



Residential Area Street Lighting

Installation : LED Solar Powered Street Lighting

Project number : TLA/VIV/CVY-R1

Customer : Vivid Solar Street Lighting

Processed by : DJT

Date : 04.04.2022

Project description:

Roads designed to the original standard S4 spec as requested:

Average illuminance between 5 and 7.5 lux.

Minimum illuminance 1 lux.

Pavements designed to the original standard A4 spec as requested:

Average illuminance greater than 1.5 lux

Uniformity greater than 0.15

All posts 6m high.

The following values are based on precise calculations performed on calibrated lamps and luminaires, and their configurations, whereby gradual, unavoidable deviations can occur in practice. All guarantee claims are excluded for the specified data.

This exclusion of liability applies irrespective of the legal grounds for both damages and consequential damages suffered by users and third parties.

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



1 Luminaire data

1.1 E-Able Power, LED (AL-A020)

1.1.1 Data sheet

Manufacturer: E-Able Power

AL-A020 LED

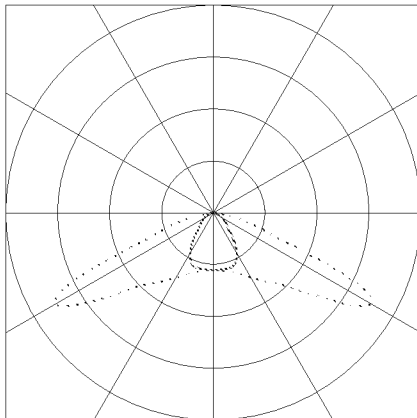
Luminaire data

Luminaire efficiency : 101.2%
Luminaire efficacy : 129.23 lm/W
Classification : A40 ↓99.9% ↑0.1%
CIE Flux Codes : 37 75 95 100 101
UGR 4H 8H : 23.4 / 33.9
Power : 20 W
Luminous flux : 2584.6 lm

Equipped with

Quantity : 1
Designation :
Colour :
Luminous flux : 2554 lm

Dimensions : 100 mm x 240 mm x 1 mm



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



1 Luminaire data

1.2 E-Able Power, Integrated solar street light (AL-A012)

1.2.1 Data sheet

Manufacturer: E-Able Power

AL-A012 Integrated solar street light

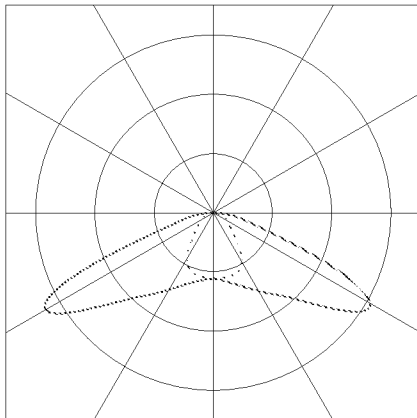
Luminaire data

Luminaire efficiency : 100%
Luminaire efficacy : 109.23 lm/W
Classification : A30 ↓100.0% ↑0.0%
CIE Flux Codes : 38 76 96 100 100
UGR 4H 8H : 67.5 / 57.1
Power : 13 W
Luminous flux : 1420 lm

Equipped with

Quantity : 1
Designation :
Colour :
Luminous flux : 1420 lm

Dimensions : Ø1 mm x 1 mm



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2 Exterior 1

2.1 Description, Exterior 1

2.1.2 Floor plan



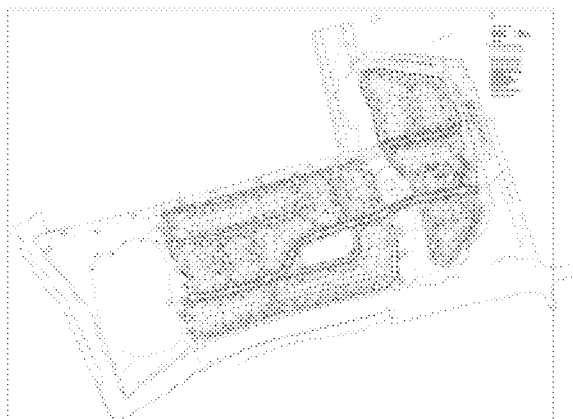
Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



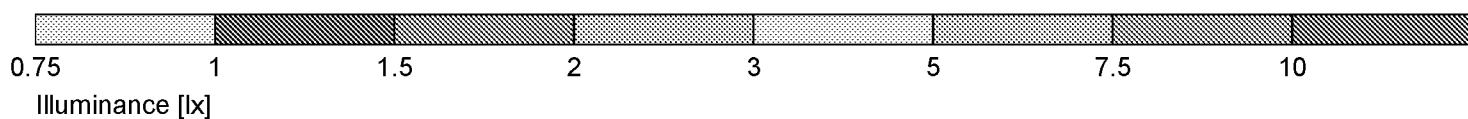
2 Exterior 1

2.2 Summary, Exterior 1

2.2.1 Result overview, North Road 1



0 100 200 300 400 500 600 700 800 900 x [m]



General

Calculation algorithm used : High indirect fraction
 Height of evaluation surface : 0.01 m
 Height (phot. centre) [m]: 6.00 m
 Maintenance factor : see luminaires / maintenance plan

Total luminous flux : 310750 lm
 Total power : 2456 W
 Total power per area (637248.50 m²) : 0.00 W/m²

Illuminance

Average illuminance	Em	6.1 lx
Minimum illuminance	Emin	1 lx
Maximum illuminance	Emax	14.6 lx
Uniformity Uo	Emin/Em	1:6.38 (0.16)
Diversity Ud	Emin/Emax	1:15.2 (0.07)

Type No.\Make

1	115 x	E-Able Power
		Order No. : AL-A020
		Luminaire name : LED
		Equipment : 1 x 20 W / 2554 lm
		Maintenance factor: 0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2 Exterior 1

2.2 Summary, Exterior 1

2.2.1 Result overview, North Road 1

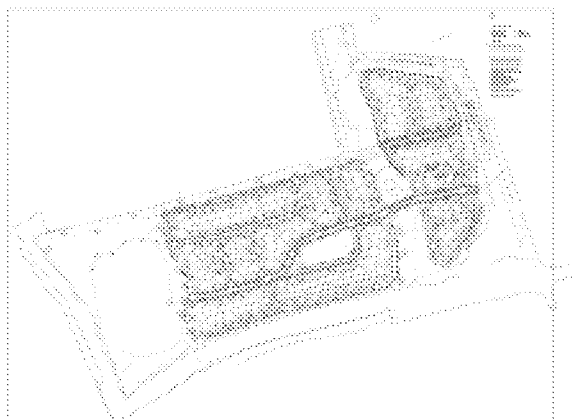
2 12 x Order No. : AL-A012
 Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022

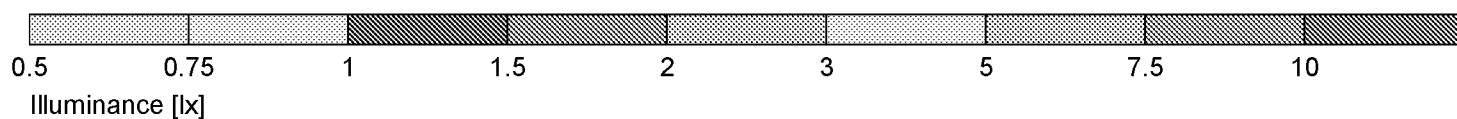


2.2 Summary, Exterior 1

2.2.2 Result overview, North Road 2 Part 1 Pavement West Side



0 100 200 300 400 500 600 700 800 900 x [m]



General

Calculation algorithm used : High indirect fraction
 Height of evaluation surface : 0.01 m
 Height (phot. centre) [m]: 6.00 m
 Maintenance factor : see luminaires / maintenance plan

Total luminous flux : 310750 lm
 Total power : 2456 W
 Total power per area (637248.50 m²) : 0.00 W/m²

Illuminance

Average illuminance	Em	4.9 lx
Minimum illuminance	Emin	0.7 lx
Maximum illuminance	Emax	14.3 lx
Uniformity Uo	Emin/Em	1:7.06 (0.14)
Diversity Ud	Emin/Emax	1:20.8 (0.05)

Type No.\Make

1	115 x	E-Able Power
		Order No. : AL-A020
		Luminaire name : LED
		Equipment : 1 x 20 W / 2554 lm
		Maintenance factor: 0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.2 Result overview, North Road 2 Part 1 Pavement West Side

2 12 x Order No. : AL-A012
 Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022

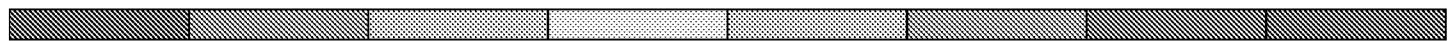


2.2 Summary, Exterior 1

2.2.3 Result overview, North Road 2 Part 1



0 100 200 300 400 500 600 700 800 900 x [m]



1 1.5 2 3 5 7.5 10 15

Illuminance [lx]

General

Calculation algorithm used : High indirect fraction
 Height of evaluation surface : 0.01 m
 Height (phot. centre) [m]: 6.00 m
 Maintenance factor : see luminaires / maintenance plan

Total luminous flux : 310750 lm
 Total power : 2456 W
 Total power per area (637248.50 m²) : 0.00 W/m²

Illuminance

Average illuminance	Em	6.2 lx
Minimum illuminance	Emin	1 lx
Maximum illuminance	Emax	15.1 lx
Uniformity Uo	Emin/Em	1:6.03 (0.17)
Diversity Ud	Emin/Emax	1:14.7 (0.07)

Type No.\Make

E-Able Power

1 115 x

 Order No. : AL-A020
 Luminaire name : LED
 Equipment : 1 x 20 W / 2554 lm
 Maintenance factor: 0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.3 Result overview, North Road 2 Part 1

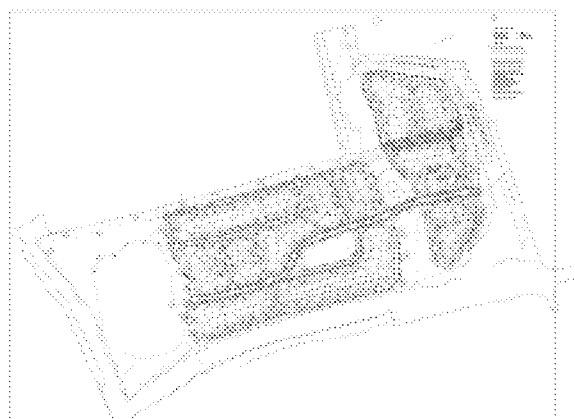
2 12 x Order No. : AL-A012
 Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.4 Result overview, North Road 2 Part 2



0 100 200 300 400 500 600 700 800 900 x [m]



1 1.5 2 3 5 7.5 10

Illuminance [lx]

General

Calculation algorithm used	High indirect fraction
Height of evaluation surface	0.01 m
Height (phot. centre) [m]:	6.00 m
Maintenance factor	see luminaires / maintenance plan

Total luminous flux	310750 lm
Total power	2456 W
Total power per area (637248.50 m²)	0.00 W/m²

Illuminance

Average illuminance	Em	5.3 lx
Minimum illuminance	Emin	1.5 lx
Maximum illuminance	Emax	14.9 lx
Uniformity Uo	Emin/Em	1:3.61 (0.28)
Diversity Ud	Emin/Emax	1:10.1 (0.1)

Type No.\Make

E-Able Power

1	115 x	Order No.	: AL-A020
		Luminaire name	: LED
		Equipment	: 1 x 20 W / 2554 lm
		Maintenance factor:	0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.4 Result overview, North Road 2 Part 2

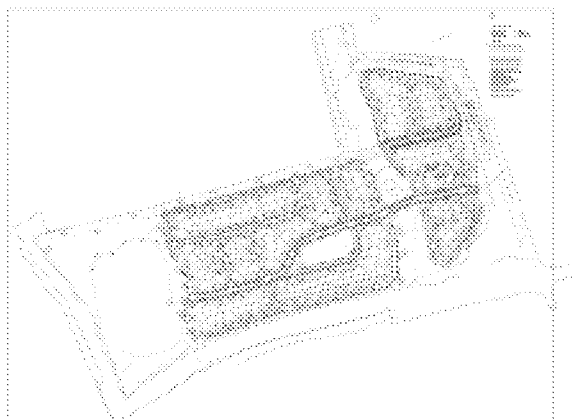
2 12 x  Order No. : AL-A012
Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022

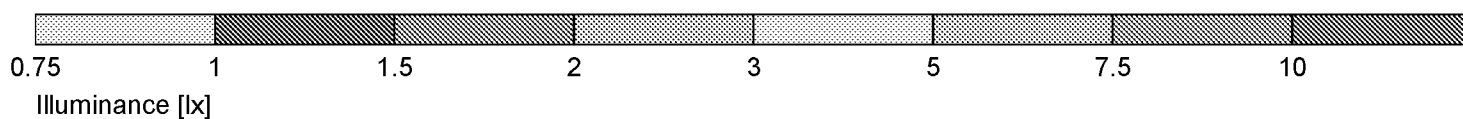


2.2 Summary, Exterior 1

2.2.5 Result overview, North Road 2 Part 2 Pavement South Side



0 100 200 300 400 500 600 700 800 900 x [m]



General

Calculation algorithm used : High indirect fraction
 Height of evaluation surface : 0.01 m
 Height (phot. centre) [m]: 6.00 m
 Maintenance factor : see luminaires / maintenance plan

Total luminous flux : 310750 lm
 Total power : 2456 W
 Total power per area (637248.50 m²) : 0.00 W/m²

Illuminance

Average illuminance	Em	4 lx
Minimum illuminance	Emin	0.8 lx
Maximum illuminance	Emax	13.8 lx
Uniformity Uo	Emin/Em	1:5.18 (0.19)
Diversity Ud	Emin/Emax	1:17.8 (0.06)

Type No.\Make

1	115 x	E-Able Power
		Order No. : AL-A020
		Luminaire name : LED
		Equipment : 1 x 20 W / 2554 lm
		Maintenance factor: 0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.5 Result overview, North Road 2 Part 2 Pavement South Side

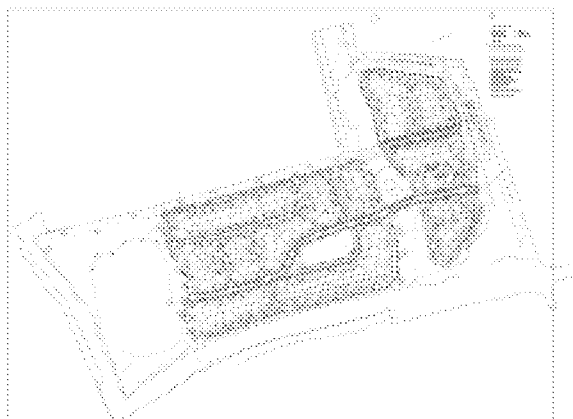
2 12 x Order No. : AL-A012
 Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022

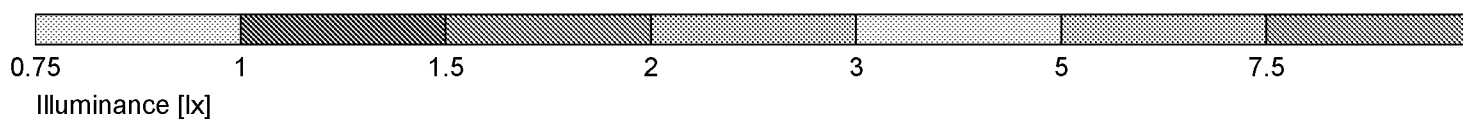


2.2 Summary, Exterior 1

2.2.6 Result overview, North Road 2 Part 2 Pavement North Side



0 100 200 300 400 500 600 700 800 900 x [m]



General

Calculation algorithm used : High indirect fraction
 Height of evaluation surface : 0.01 m
 Height (phot. centre) [m]: 6.00 m
 Maintenance factor : see luminaires / maintenance plan

Total luminous flux : 310750 lm
 Total power : 2456 W
 Total power per area (637248.50 m²) : 0.00 W/m²

Illuminance

Average illuminance	Em	4.41 lx
Minimum illuminance	Emin	0.91 lx
Maximum illuminance	Emax	8.7 lx
Uniformity Uo	Emin/Em	1:4.84 (0.21)
Diversity Ud	Emin/Emax	1:9.57 (0.1)

Type No.\Make

1	115 x	E-Able Power
		Order No. : AL-A020
		Luminaire name : LED
		Equipment : 1 x 20 W / 2554 lm
		Maintenance factor: 0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.6 Result overview, North Road 2 Part 2 Pavement North Side

2 12 x Order No. : AL-A012
 Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022

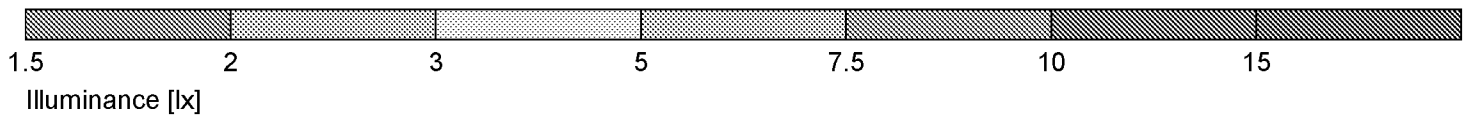


2.2 Summary, Exterior 1

2.2.7 Result overview, North Road 2 Part 3



0 100 200 300 400 500 600 700 800 900 x [m]



General

Calculation algorithm used : High indirect fraction
 Height of evaluation surface : 0.01 m
 Height (phot. centre) [m]: 6.00 m
 Maintenance factor : see luminaires / maintenance plan

Total luminous flux : 310750 lm
 Total power : 2456 W
 Total power per area (637248.50 m²) : 0.00 W/m²

Illuminance

Average illuminance	Em	6.9 lx
Minimum illuminance	Emin	1.5 lx
Maximum illuminance	Emax	15.2 lx
Uniformity Uo	Emin/Em	1:4.49 (0.22)
Diversity Ud	Emin/Emax	1:9.86 (0.1)

Type No.\Make

E-Able Power

1 115 x

 Order No. : AL-A020
 Luminaire name : LED
 Equipment : 1 x 20 W / 2554 lm
 Maintenance factor: 0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.7 Result overview, North Road 2 Part 3

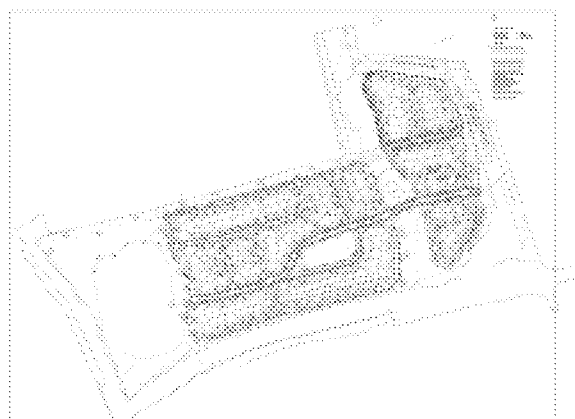
2 12 x Order No. : AL-A012
 Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022

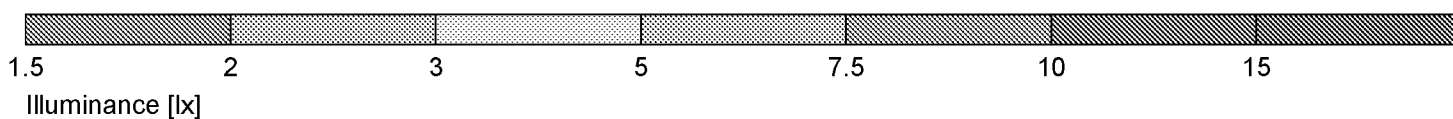


2.2 Summary, Exterior 1

2.2.8 Result overview, North Road 2 Part 4



0 100 200 300 400 500 600 700 800 900 x [m]



General

Calculation algorithm used : High indirect fraction
 Height of evaluation surface : 0.01 m
 Height (phot. centre) [m]: 6.00 m
 Maintenance factor : see luminaires / maintenance plan

Total luminous flux : 310750 lm
 Total power : 2456 W
 Total power per area (637248.50 m²) : 0.00 W/m²

Illuminance

Average illuminance	Em	6.8 lx
Minimum illuminance	Emin	1.6 lx
Maximum illuminance	Emax	15.1 lx
Uniformity Uo	Emin/Em	1:4.16 (0.24)
Diversity Ud	Emin/Emax	1:9.23 (0.11)

Type No.\Make

E-Able Power

1	115 x	Order No.	: AL-A020
		Luminaire name	: LED
		Equipment	: 1 x 20 W / 2554 lm
		Maintenance factor:	0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.8 Result overview, North Road 2 Part 4

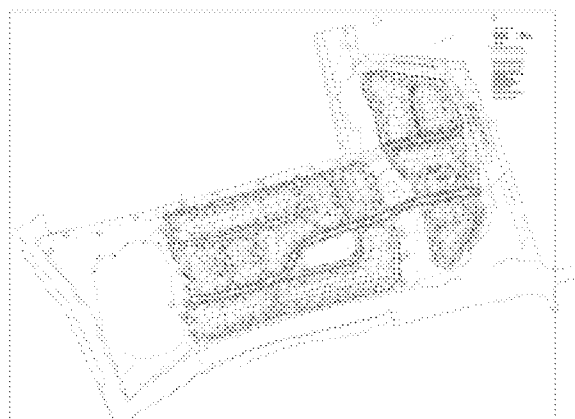
2 12 x Order No. : AL-A012
 Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.9 Result overview, North Road 2 Part 5



0 100 200 300 400 500 600 700 800 900 x [m]



1 1.5 2 3 5 7.5 10

Illuminance [lx]

General

Calculation algorithm used	High indirect fraction
Height of evaluation surface	0.01 m
Height (phot. centre) [m]:	6.00 m
Maintenance factor	see luminaires / maintenance plan

Total luminous flux	310750 lm
Total power	2456 W
Total power per area (637248.50 m²)	0.00 W/m²

Illuminance

Average illuminance	Em	6.5 lx
Minimum illuminance	Emin	1.1 lx
Maximum illuminance	Emax	15 lx
Uniformity Uo	Emin/Em	1:6.11 (0.16)
Diversity Ud	Emin/Emax	1:14 (0.07)

Type No.\Make

	E-Able Power	
	Order No.	: AL-A020
	Luminaire name	: LED
	Equipment	: 1 x 20 W / 2554 lm
	Maintenance factor:	0.93

E:

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.9 Result overview, North Road 2 Part 5

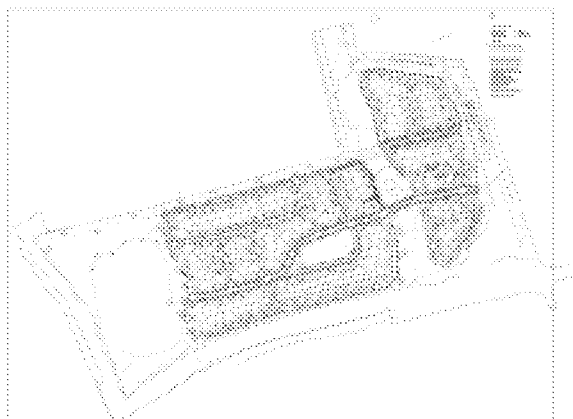
2 12 x  Order No. : AL-A012
Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022

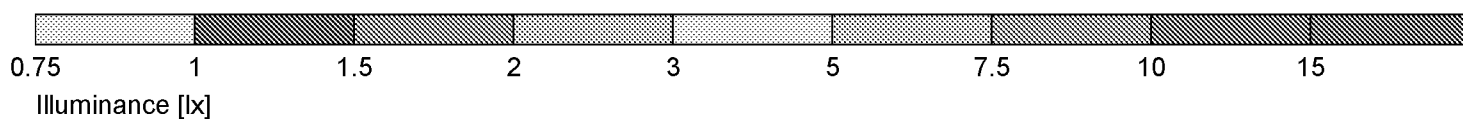


2.2 Summary, Exterior 1

2.2.10 Result overview, North Road 3



0 100 200 300 400 500 600 700 800 900 x [m]



General

Calculation algorithm used : High indirect fraction
 Height of evaluation surface : 0.01 m
 Height (phot. centre) [m]: 6.00 m
 Maintenance factor : see luminaires / maintenance plan

Total luminous flux : 310750 lm
 Total power : 2456 W
 Total power per area (637248.50 m²) : 0.00 W/m²

Illuminance

Average illuminance	Em	6.4 lx
Minimum illuminance	Emin	0.9 lx
Maximum illuminance	Emax	19.9 lx
Uniformity Uo	Emin/Em	1:7.39 (0.14)
Diversity Ud	Emin/Emax	1:22.9 (0.04)

Type No.\Make

1	115 x	E-Able Power
		Order No. : AL-A020
		Luminaire name : LED
		Equipment : 1 x 20 W / 2554 lm
		Maintenance factor: 0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.10 Result overview, North Road 3

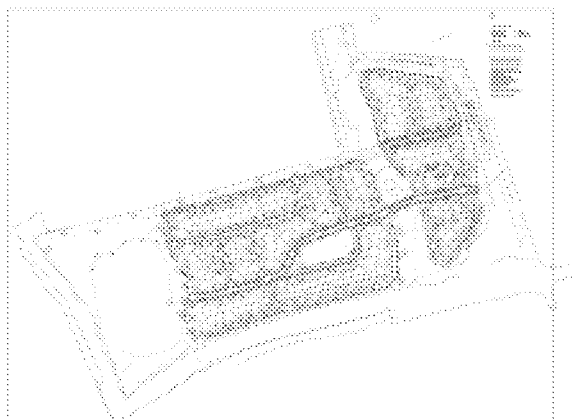
2 12 x  Order No. : AL-A012
Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022

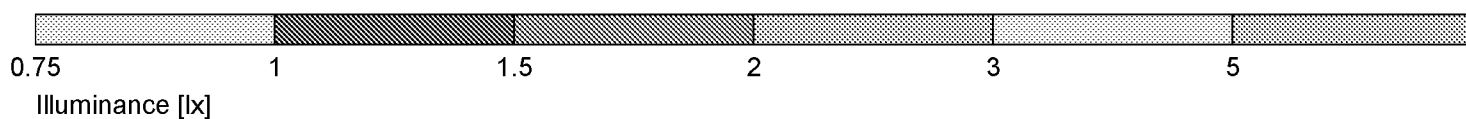


2.2 Summary, Exterior 1

2.2.11 Result overview, North Road 3 Pavement



0 100 200 300 400 500 600 700 800 900 x [m]



General

Calculation algorithm used	High indirect fraction
Height of evaluation surface	0.01 m
Height (phot. centre) [m]:	6.00 m
Maintenance factor	see luminaires / maintenance plan

Total luminous flux	310750 lm
Total power	2456 W
Total power per area (637248.50 m²)	0.00 W/m²

Illuminance

Average illuminance	Em	2.64 lx
Minimum illuminance	Emin	0.98 lx
Maximum illuminance	Emax	6.57 lx
Uniformity Uo	Emin/Em	1:2.71 (0.37)
Diversity Ud	Emin/Emax	1:6.73 (0.15)

Type No.\Make

E-Able Power	
1 115 x	Order No. : AL-A020
	Luminaire name : LED
	Equipment : 1 x 20 W / 2554 lm
	Maintenance factor: 0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.11 Result overview, North Road 3 Pavement

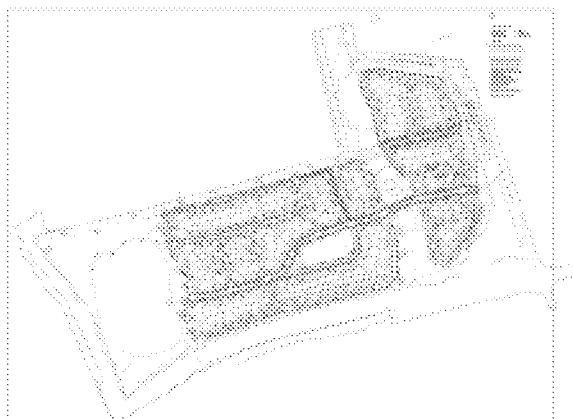
2 12 x Order No. : AL-A012
 Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022

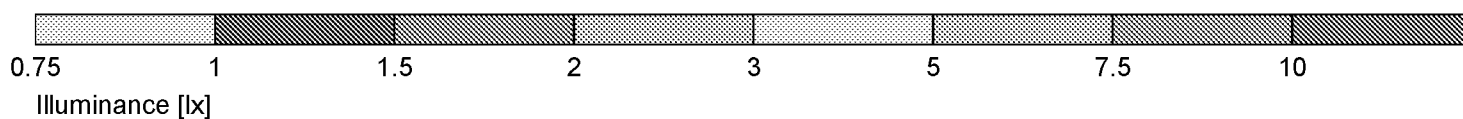


2.2 Summary, Exterior 1

2.2.12 Result overview, North Road 4



0 100 200 300 400 500 600 700 800 900 x [m]



General

Calculation algorithm used	High indirect fraction
Height of evaluation surface	0.01 m
Height (phot. centre) [m]:	6.00 m
Maintenance factor	see luminaires / maintenance plan

Total luminous flux	310750 lm
Total power	2456 W
Total power per area (637248.50 m²)	0.00 W/m²

Illuminance

Average illuminance	Em	5.9 lx
Minimum illuminance	Emin	1 lx
Maximum illuminance	Emax	15 lx
Uniformity Uo	Emin/Em	1:6.15 (0.16)
Diversity Ud	Emin/Emax	1:15.6 (0.06)

Type No.\Make

E-Able Power

1	115 x	Order No.	: AL-A020
		Luminaire name	: LED
		Equipment	: 1 x 20 W / 2554 lm
		Maintenance factor:	0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.12 Result overview, North Road 4

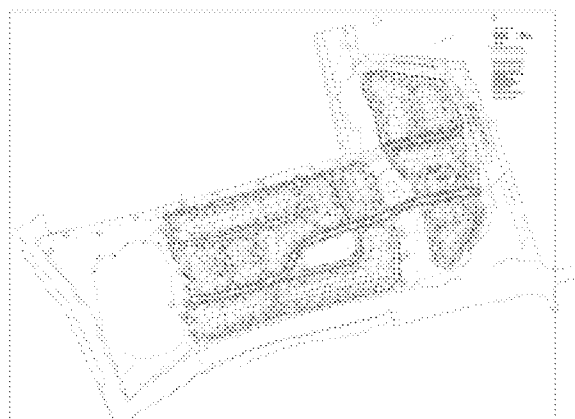
2 12 x Order No. : AL-A012
 Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.13 Result overview, North Road 4 Pavement



0 100 200 300 400 500 600 700 800 900 x [m]



1 1.5 2 3 5 7.5 10

Illuminance [lx]

General

Calculation algorithm used	High indirect fraction
Height of evaluation surface	0.01 m
Height (phot. centre) [m]:	6.00 m
Maintenance factor	see luminaires / maintenance plan

Total luminous flux	310750 lm
Total power	2456 W
Total power per area (637248.50 m²)	0.00 W/m²

Illuminance

Average illuminance	Em	6.9 lx
Minimum illuminance	Emin	1.1 lx
Maximum illuminance	Emax	15 lx
Uniformity Uo	Emin/Em	1:6.33 (0.16)
Diversity Ud	Emin/Emax	1:13.7 (0.07)

Type No.\Make

E-Able Power

1	115 x	Order No.	: AL-A020
		Luminaire name	: LED
		Equipment	: 1 x 20 W / 2554 lm
		Maintenance factor:	0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.13 Result overview, North Road 4 Pavement

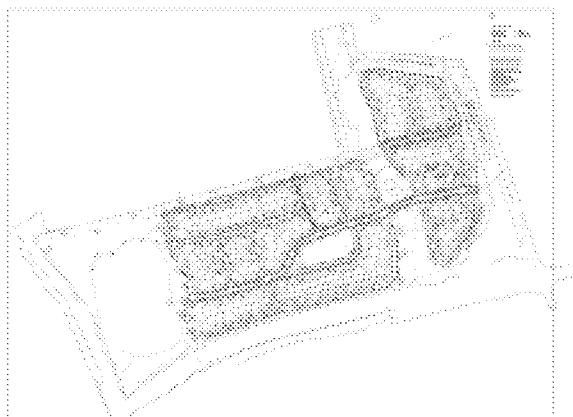
2 12 x Order No. : AL-A012
 Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022

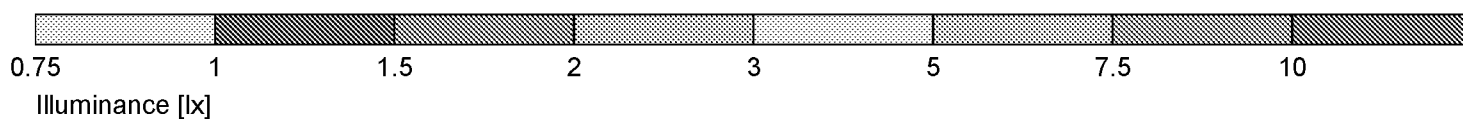


2.2 Summary, Exterior 1

2.2.14 Result overview, North Road 5 Part 1



0 100 200 300 400 500 600 700 800 900 x [m]



General

Calculation algorithm used	High indirect fraction
Height of evaluation surface	0.01 m
Height (phot. centre) [m]:	6.00 m
Maintenance factor	see luminaires / maintenance plan

Total luminous flux	310750 lm
Total power	2456 W
Total power per area (637248.50 m²)	0.00 W/m²

Illuminance

Average illuminance	Em	6.5 lx
Minimum illuminance	Emin	1 lx
Maximum illuminance	Emax	15 lx
Uniformity Uo	Emin/Em	1:6.52 (0.15)
Diversity Ud	Emin/Emax	1:15 (0.07)

Type No.\Make

E-Able Power

1	115 x	Order No.	: AL-A020
		Luminaire name	: LED
		Equipment	: 1 x 20 W / 2554 lm
		Maintenance factor:	0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.14 Result overview, North Road 5 Part 1

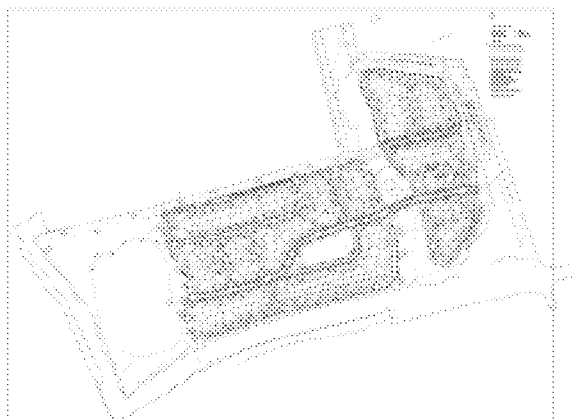
2 12 x  Order No. : AL-A012
Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.15 Result overview, North Road 5 Part 2



0 100 200 300 400 500 600 700 800 900 x [m]



1 1.5 2 3 5 7.5 10

Illuminance [lx]

General

Calculation algorithm used : High indirect fraction
 Height of evaluation surface : 0.01 m
 Height (phot. centre) [m]: 6.00 m
 Maintenance factor : see luminaires / maintenance plan

Total luminous flux : 310750 lm
 Total power : 2456 W
 Total power per area (637248.50 m²) : 0.00 W/m²

Illuminance

Average illuminance	Em	6.4 lx
Minimum illuminance	Emin	1 lx
Maximum illuminance	Emax	14.9 lx
Uniformity Uo	Emin/Em	1:6.39 (0.16)
Diversity Ud	Emin/Emax	1:14.8 (0.07)

Type No.\Make

E-Able Power
 1 115 x

 Order No. : AL-A020
 Luminaire name : LED
 Equipment : 1 x 20 W / 2554 lm
 Maintenance factor: 0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.15 Result overview, North Road 5 Part 2

2 12 x Order No. : AL-A012
 Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022

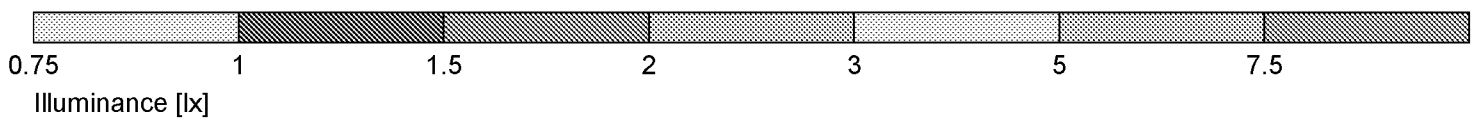


2.2 Summary, Exterior 1

2.2.16 Result overview, North Road 5 Part 2 Pavement



0 100 200 300 400 500 600 700 800 900 x [m]



General

Calculation algorithm used	High indirect fraction
Height of evaluation surface	0.01 m
Height (phot. centre) [m]:	6.00 m
Maintenance factor	see luminaires / maintenance plan

Total luminous flux	310750 lm
Total power	2456 W
Total power per area (637248.50 m²)	0.00 W/m²

Illuminance

Average illuminance	Em	3.57 lx
Minimum illuminance	Emin	0.87 lx
Maximum illuminance	Emax	7.63 lx
Uniformity Uo	Emin/Em	1:4.12 (0.24)
Diversity Ud	Emin/Emax	1:8.8 (0.11)

Type No.\Make

E-Able Power

1	115 x	Order No.	: AL-A020
		Luminaire name	: LED
		Equipment	: 1 x 20 W / 2554 lm
		Maintenance factor:	0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.16 Result overview, North Road 5 Part 2 Pavement

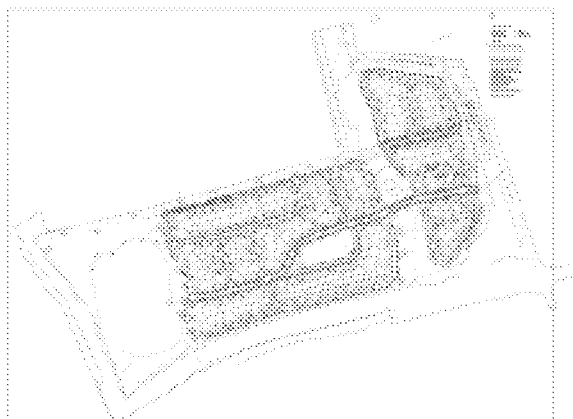
2 12 x Order No. : AL-A012
 Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022

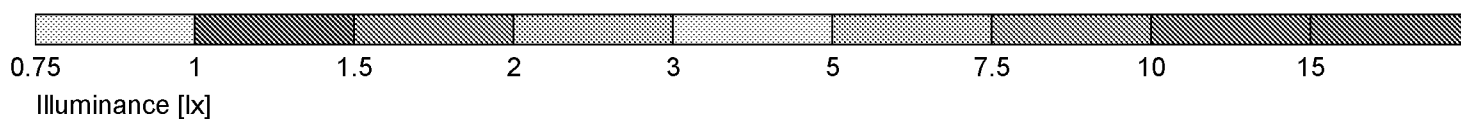


2.2 Summary, Exterior 1

2.2.17 Result overview, North Road 5 Part 3



0 100 200 300 400 500 600 700 800 900 x [m]



General

Calculation algorithm used : High indirect fraction
 Height of evaluation surface : 0.01 m
 Height (phot. centre) [m]: 6.00 m
 Maintenance factor : see luminaires / maintenance plan

Total luminous flux : 310750 lm
 Total power : 2456 W
 Total power per area (637248.50 m²) : 0.00 W/m²

Illuminance

Average illuminance	Em	6.8 lx
Minimum illuminance	Emin	1 lx
Maximum illuminance	Emax	15 lx
Uniformity Uo	Emin/Em	1:7.1 (0.14)
Diversity Ud	Emin/Emax	1:15.8 (0.06)

Type No.\Make

1	115 x	E-Able Power
		Order No. : AL-A020
		Luminaire name : LED
		Equipment : 1 x 20 W / 2554 lm
		Maintenance factor: 0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.17 Result overview, North Road 5 Part 3

2 12 x Order No. : AL-A012
 Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.18 Result overview, North Road 5 Part 3 Pavement



0 100 200 300 400 500 600 700 800 900 x [m]



General

Calculation algorithm used : High indirect fraction
 Height of evaluation surface : 0.01 m
 Height (phot. centre) [m]: 6.00 m
 Maintenance factor : see luminaires / maintenance plan

Total luminous flux : 310750 lm
 Total power : 2456 W
 Total power per area (637248.50 m²) : 0.00 W/m²

Illuminance

Average illuminance	Em	5.7 lx
Minimum illuminance	Emin	1.7 lx
Maximum illuminance	Emax	14.7 lx
Uniformity Uo	Emin/Em	1:3.33 (0.3)
Diversity Ud	Emin/Emax	1:8.6 (0.12)

Type No.\Make

E-Able Power

1 115 x

 Order No. : AL-A020
 Luminaire name : LED
 Equipment : 1 x 20 W / 2554 lm
 Maintenance factor: 0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.18 Result overview, North Road 5 Part 3 Pavement

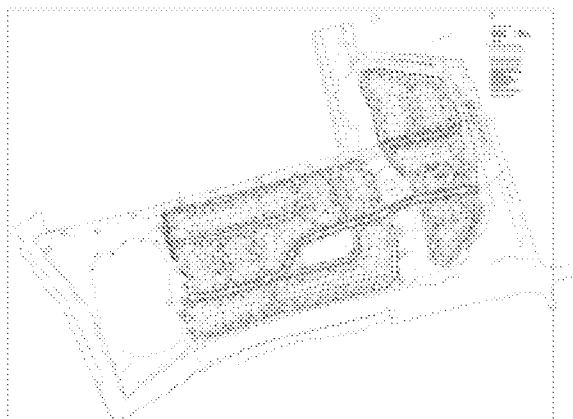
2 12 x Order No. : AL-A012
 Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022

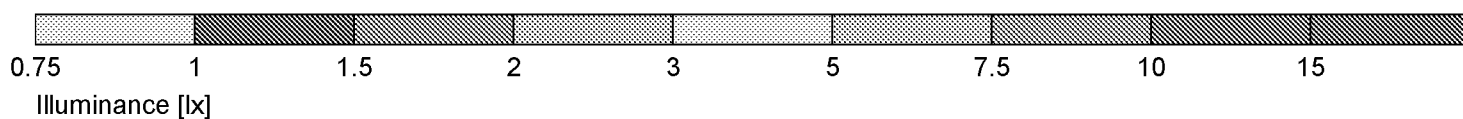


2.2 Summary, Exterior 1

2.2.19 Result overview, North Road 5 Part 4



0 100 200 300 400 500 600 700 800 900 x [m]



General

Calculation algorithm used : High indirect fraction
 Height of evaluation surface : 0.01 m
 Height (phot. centre) [m]: 6.00 m
 Maintenance factor : see luminaires / maintenance plan

Total luminous flux : 310750 lm
 Total power : 2456 W
 Total power per area (637248.50 m²) : 0.00 W/m²

Illuminance

Average illuminance	Em	7.1 lx
Minimum illuminance	Emin	1 lx
Maximum illuminance	Emax	15.2 lx
Uniformity Uo	Emin/Em	1:7.31 (0.14)
Diversity Ud	Emin/Emax	1:15.7 (0.06)

Type No.\Make

E-Able Power

1	115 x	Order No.	: AL-A020
		Luminaire name	: LED
		Equipment	: 1 x 20 W / 2554 lm
		Maintenance factor:	0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.19 Result overview, North Road 5 Part 4

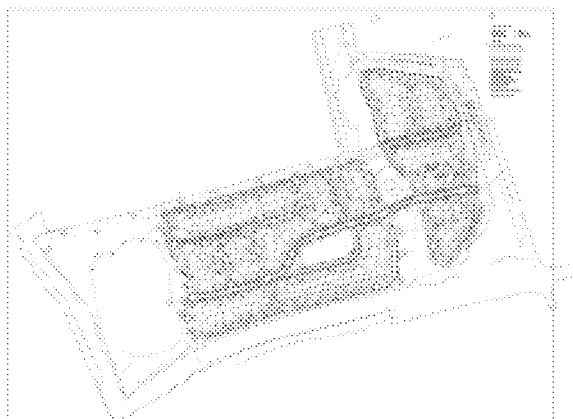
2 12 x Order No. : AL-A012
 Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.20 Result overview, North Road 5 Part 5



0 100 200 300 400 500 600 700 800 900 x [m]



1 1.5 2 3 5 7.5 10

Illuminance [lx]

General

Calculation algorithm used : High indirect fraction
 Height of evaluation surface : 0.01 m
 Height (phot. centre) [m]: 6.00 m
 Maintenance factor : see luminaires / maintenance plan

Total luminous flux : 310750 lm
 Total power : 2456 W
 Total power per area (637248.50 m²) : 0.00 W/m²

Illuminance

Average illuminance	Em	5.4 lx
Minimum illuminance	Emin	1.4 lx
Maximum illuminance	Emax	13.5 lx
Uniformity Uo	Emin/Em	1:3.93 (0.25)
Diversity Ud	Emin/Emax	1:9.7 (0.1)

Type No.\Make

E-Able Power

1 115 x

 Order No. : AL-A020
 Luminaire name : LED
 Equipment : 1 x 20 W / 2554 lm
 Maintenance factor: 0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.20 Result overview, North Road 5 Part 5

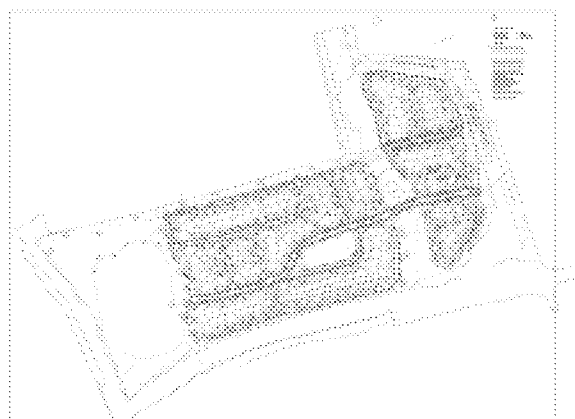
2 12 x Order No. : AL-A012
 Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.21 Result overview, North Road 5 Part 4 Pavement



0 100 200 300 400 500 600 700 800 900 x [m]



1 1.5 2 3 5 7.5 10 15

Illuminance [lx]

General

Calculation algorithm used	High indirect fraction
Height of evaluation surface	0.01 m
Height (phot. centre) [m]:	6.00 m
Maintenance factor	see luminaires / maintenance plan

Total luminous flux	310750 lm
Total power	2456 W
Total power per area (637248.50 m²)	0.00 W/m²

Illuminance

Average illuminance	Em	6.7 lx
Minimum illuminance	Emin	1.2 lx
Maximum illuminance	Emax	15.1 lx
Uniformity Uo	Emin/Em	1:5.52 (0.18)
Diversity Ud	Emin/Emax	1:12.5 (0.08)

Type No.\Make

	E-Able Power	
	Order No.	: AL-A020
	Luminaire name	: LED
	Equipment	: 1 x 20 W / 2554 lm
	Maintenance factor:	0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.21 Result overview, North Road 5 Part 4 Pavement

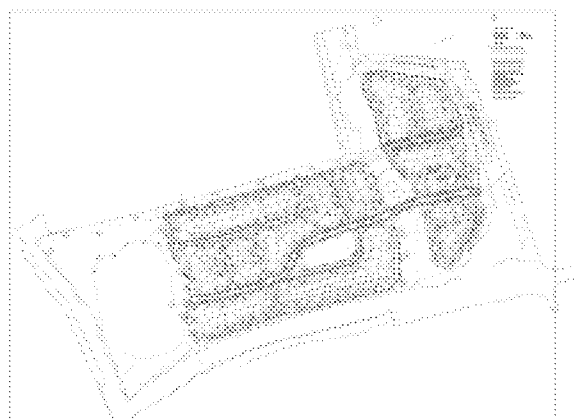
2 12 x  Order No. : AL-A012
Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.22 Result overview, North Road 5 Part 5 Pavement



0 100 200 300 400 500 600 700 800 900 x [m]



1 1.5 2 3 5 7.5 10 15

Illuminance [lx]

General

Calculation algorithm used	High indirect fraction
Height of evaluation surface	0.01 m
Height (phot. centre) [m]:	6.00 m
Maintenance factor	see luminaires / maintenance plan

Total luminous flux	310750 lm
Total power	2456 W
Total power per area (637248.50 m²)	0.00 W/m²

Illuminance

Average illuminance	Em	8.2 lx
Minimum illuminance	Emin	1.3 lx
Maximum illuminance	Emax	15 lx
Uniformity Uo	Emin/Em	1:6.44 (0.16)
Diversity Ud	Emin/Emax	1:11.7 (0.09)

Type No.\Make

	E-Able Power	
	Order No.	: AL-A020
	Luminaire name	: LED
	Equipment	: 1 x 20 W / 2554 lm
	Maintenance factor:	0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.22 Result overview, North Road 5 Part 5 Pavement

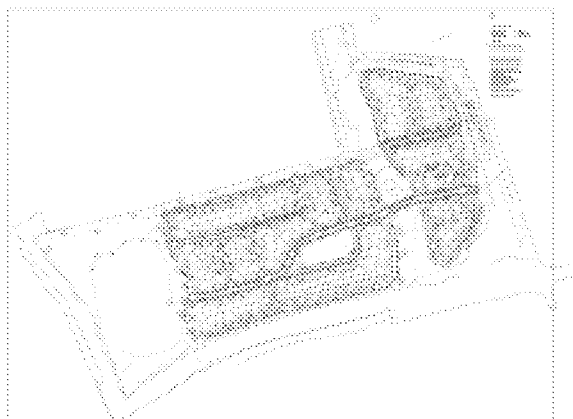
2 12 x Order No. : AL-A012
 Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022

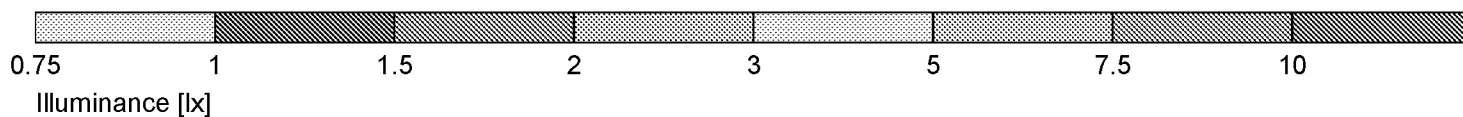


2.2 Summary, Exterior 1

2.2.23 Result overview, North Road 5 Part 6



0 100 200 300 400 500 600 700 800 900 x [m]



General

Calculation algorithm used : High indirect fraction
 Height of evaluation surface : 0.01 m
 Height (phot. centre) [m]: 6.00 m
 Maintenance factor : see luminaires / maintenance plan

Total luminous flux : 310750 lm
 Total power : 2456 W
 Total power per area (637248.50 m²) : 0.00 W/m²

Illuminance

Average illuminance	Em	6.2 lx
Minimum illuminance	Emin	1 lx
Maximum illuminance	Emax	14.9 lx
Uniformity Uo	Emin/Em	1:6.4 (0.16)
Diversity Ud	Emin/Emax	1:15.3 (0.07)

Type No.\Make

E-Able Power

1	115 x	Order No.	: AL-A020
		Luminaire name	: LED
		Equipment	: 1 x 20 W / 2554 lm
		Maintenance factor:	0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.23 Result overview, North Road 5 Part 6

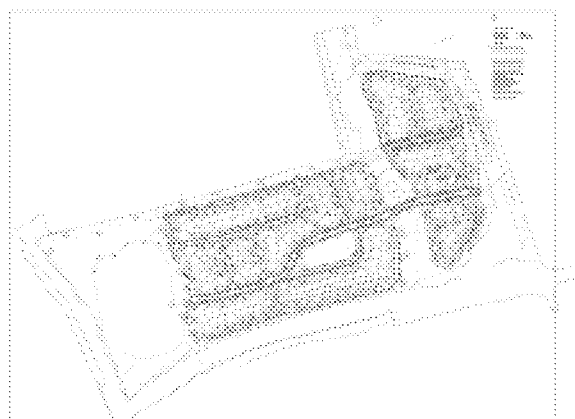
2 12 x  Order No. : AL-A012
Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.24 Result overview, North Road 5 Part 6 Pavement



0 100 200 300 400 500 600 700 800 900 x [m]



1 1.5 2 3 5 7.5 10

Illuminance [lx]

General

Calculation algorithm used	High indirect fraction
Height of evaluation surface	0.01 m
Height (phot. centre) [m]:	6.00 m
Maintenance factor	see luminaires / maintenance plan

Total luminous flux	310750 lm
Total power	2456 W
Total power per area (637248.50 m²)	0.00 W/m²

Illuminance

Average illuminance	Em	5.1 lx
Minimum illuminance	Emin	1 lx
Maximum illuminance	Emax	14.8 lx
Uniformity Uo	Emin/Em	1:5.07 (0.2)
Diversity Ud	Emin/Emax	1:14.6 (0.07)

Type No.\Make

E-Able Power

1	115 x	Order No.	: AL-A020
		Luminaire name	: LED
		Equipment	: 1 x 20 W / 2554 lm
		Maintenance factor:	0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.24 Result overview, North Road 5 Part 6 Pavement

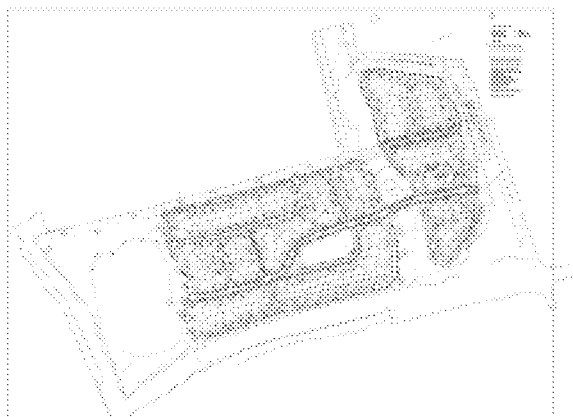
2 12 x Order No. : AL-A012
 Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.25 Result overview, North Road 6



0 100 200 300 400 500 600 700 800 900 x [m]



1 1.5 2 3 5 7.5 10 15

Illuminance [lx]

General

Calculation algorithm used	High indirect fraction
Height of evaluation surface	0.01 m
Height (phot. centre) [m]:	6.00 m
Maintenance factor	see luminaires / maintenance plan

Total luminous flux	310750 lm
Total power	2456 W
Total power per area (637248.50 m²)	0.00 W/m²

Illuminance

Average illuminance	Em	6.9 lx
Minimum illuminance	Emin	1.3 lx
Maximum illuminance	Emax	15.1 lx
Uniformity Uo	Emin/Em	1:5.21 (0.19)
Diversity Ud	Emin/Emax	1:11.3 (0.09)

Type No.\Make

E-Able Power

1	115 x	Order No.	: AL-A020
		Luminaire name	: LED
		Equipment	: 1 x 20 W / 2554 lm
		Maintenance factor:	0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.25 Result overview, North Road 6

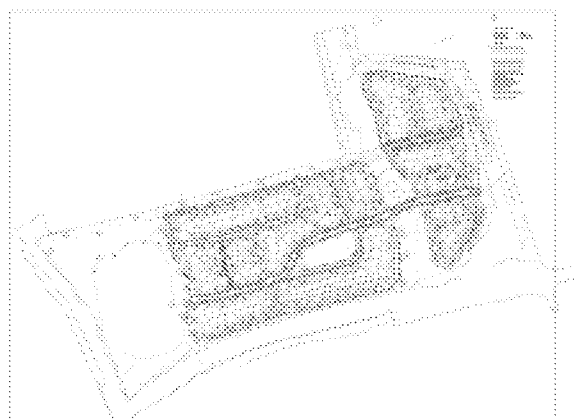
2 12 x Order No. : AL-A012
 Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.26 Result overview, North Road 7



0 100 200 300 400 500 600 700 800 900 x [m]



1 1.5 2 3 5 7.5 10

Illuminance [lx]

General

Calculation algorithm used	High indirect fraction
Height of evaluation surface	0.01 m
Height (phot. centre) [m]:	6.00 m
Maintenance factor	see luminaires / maintenance plan

Total luminous flux	310750 lm
Total power	2456 W
Total power per area (637248.50 m²)	0.00 W/m²

Illuminance

Average illuminance	Em	7 lx
Minimum illuminance	Emin	1.4 lx
Maximum illuminance	Emax	14.9 lx
Uniformity Uo	Emin/Em	1:5.12 (0.2)
Diversity Ud	Emin/Emax	1:10.9 (0.09)

Type No.\Make

1 115 x	E-Able Power	
	Order No.	: AL-A020
	Luminaire name	: LED
	Equipment	: 1 x 20 W / 2554 lm
	Maintenance factor:	0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.26 Result overview, North Road 7

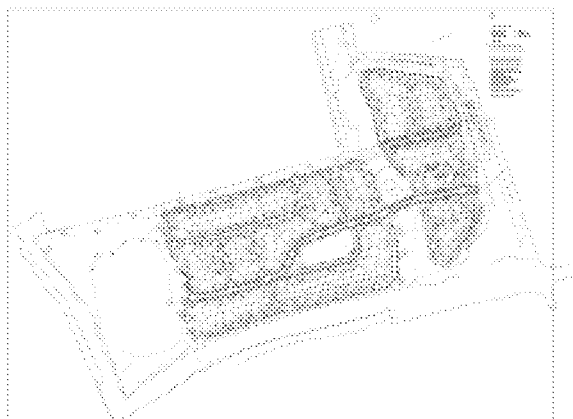
2 12 x Order No. : AL-A012
 Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.27 Result overview, North Road 8



0 100 200 300 400 500 600 700 800 900 x [m]



General

Calculation algorithm used : High indirect fraction
 Height of evaluation surface : 0.01 m
 Height (phot. centre) [m]: 6.00 m
 Maintenance factor : see luminaires / maintenance plan

Total luminous flux : 310750 lm
 Total power : 2456 W
 Total power per area (637248.50 m²) : 0.00 W/m²

Illuminance

Average illuminance	Em	6.1 lx
Minimum illuminance	Emin	1.6 lx
Maximum illuminance	Emax	14.9 lx
Uniformity Uo	Emin/Em	1:3.78 (0.26)
Diversity Ud	Emin/Emax	1:9.27 (0.11)

Type No.\Make

E-Able Power

1 115 x

 Order No. : AL-A020
 Luminaire name : LED
 Equipment : 1 x 20 W / 2554 lm
 Maintenance factor: 0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.27 Result overview, North Road 8

2 12 x Order No. : AL-A012
 Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.28 Result overview, Main Road Part 1



0 100 200 300 400 500 600 700 800 900 x [m]



1 1.5 2 3 5 7.5 10

Illuminance [lx]

General

Calculation algorithm used	High indirect fraction
Height of evaluation surface	0.01 m
Height (phot. centre) [m]:	6.00 m
Maintenance factor	see luminaires / maintenance plan

Total luminous flux	310750 lm
Total power	2456 W
Total power per area (637248.50 m²)	0.00 W/m²

Illuminance

Average illuminance	Em	5.5 lx
Minimum illuminance	Emin	1.3 lx
Maximum illuminance	Emax	14.8 lx
Uniformity Uo	Emin/Em	1:4.21 (0.24)
Diversity Ud	Emin/Emax	1:11.4 (0.09)

Type No.\Make

E-Able Power

1	115 x	Order No.	: AL-A020
		Luminaire name	: LED
		Equipment	: 1 x 20 W / 2554 lm
		Maintenance factor:	0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.28 Result overview, Main Road Part 1

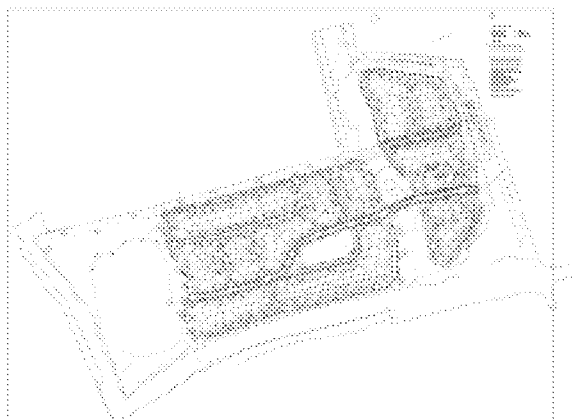
2 12 x  Order No. : AL-A012
Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022

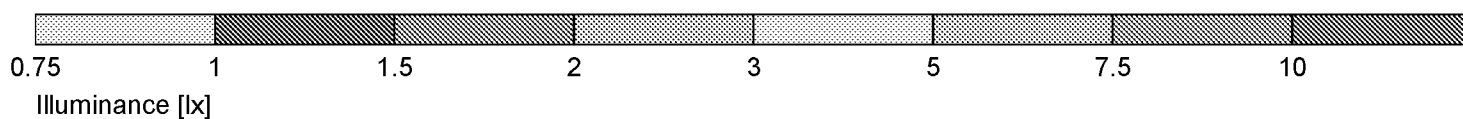


2.2 Summary, Exterior 1

2.2.29 Result overview, Main Road Pavement North Side Part 1



0 100 200 300 400 500 600 700 800 900 x [m]



General

Calculation algorithm used	High indirect fraction
Height of evaluation surface	0.01 m
Height (phot. centre) [m]:	6.00 m
Maintenance factor	see luminaires / maintenance plan

Total luminous flux	310750 lm
Total power	2456 W
Total power per area (637248.50 m²)	0.00 W/m²

Illuminance

Average illuminance	Em	4.1 lx
Minimum illuminance	Emin	0.8 lx
Maximum illuminance	Emax	12.2 lx
Uniformity Uo	Emin/Em	1:5.22 (0.19)
Diversity Ud	Emin/Emax	1:15.6 (0.06)

Type No.\Make

1	115 x	E-Able Power
		Order No. : AL-A020
		Luminaire name : LED
		Equipment : 1 x 20 W / 2554 lm
		Maintenance factor: 0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.29 Result overview, Main Road Pavement North Side Part 1

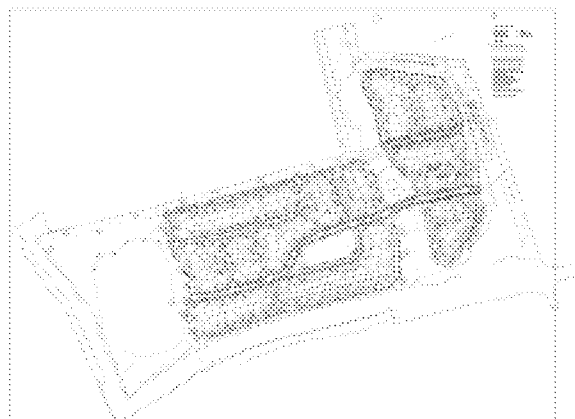
2 12 x Order No. : AL-A012
 Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022

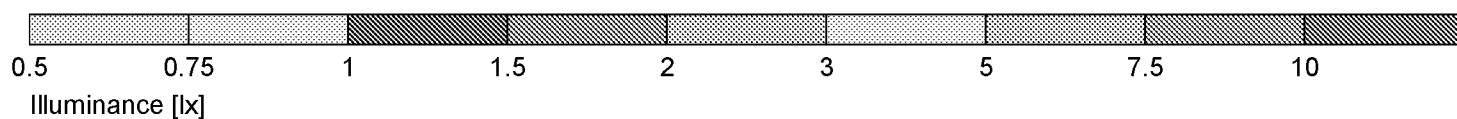


2.2 Summary, Exterior 1

2.2.30 Result overview, Main Road Pavement South Side Part 1



0 100 200 300 400 500 600 700 800 900 x [m]



General

Calculation algorithm used	High indirect fraction
Height of evaluation surface	0.01 m
Height (phot. centre) [m]:	6.00 m
Maintenance factor	see luminaires / maintenance plan

Total luminous flux	310750 lm
Total power	2456 W
Total power per area (637248.50 m²)	0.00 W/m²

Illuminance

Average illuminance	Em	3.5 lx
Minimum illuminance	Emin	0.6 lx
Maximum illuminance	Emax	13.5 lx
Uniformity Uo	Emin/Em	1:6.14 (0.16)
Diversity Ud	Emin/Emax	1:23.3 (0.04)

Type No.\Make

E-Able Power

1	115 x	Order No.	: AL-A020
		Luminaire name	: LED
		Equipment	: 1 x 20 W / 2554 lm
		Maintenance factor:	0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.30 Result overview, Main Road Pavement South Side Part 1

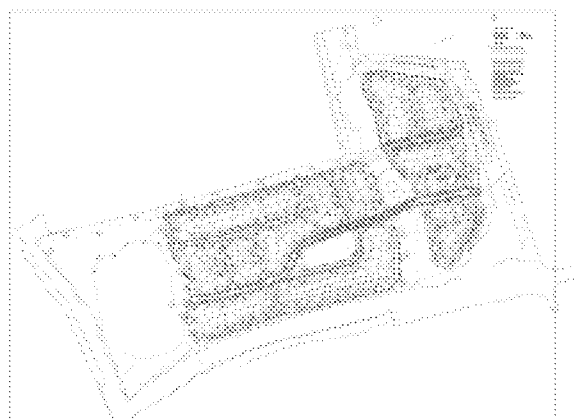
2 12 x Order No. : AL-A012
 Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.31 Result overview, Main Road Part 2



0 100 200 300 400 500 600 700 800 900 x [m]



1 1.5 2 3 5 7.5 10

Illuminance [lx]

General

Calculation algorithm used	High indirect fraction
Height of evaluation surface	0.01 m
Height (phot. centre) [m]:	6.00 m
Maintenance factor	see luminaires / maintenance plan

Total luminous flux	310750 lm
Total power	2456 W
Total power per area (637248.50 m²)	0.00 W/m²

Illuminance

Average illuminance	Em	5.4 lx
Minimum illuminance	Emin	1.1 lx
Maximum illuminance	Emax	14.7 lx
Uniformity Uo	Emin/Em	1:5 (0.2)
Diversity Ud	Emin/Emax	1:13.6 (0.07)

Type No.\Make

E-Able Power

1	115 x	Order No.	: AL-A020
		Luminaire name	: LED
		Equipment	: 1 x 20 W / 2554 lm
		Maintenance factor:	0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.31 Result overview, Main Road Part 2

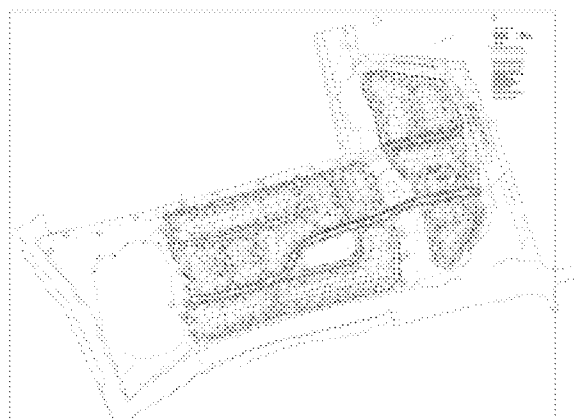
2 12 x  Order No. : AL-A012
Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022

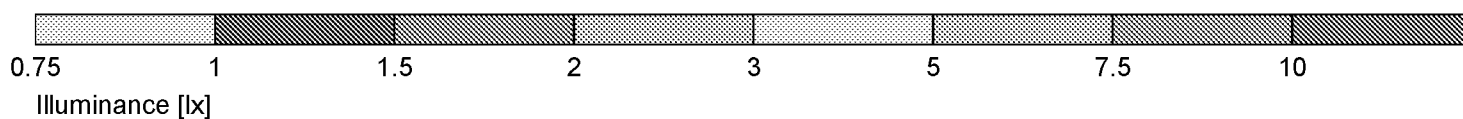


2.2 Summary, Exterior 1

2.2.32 Result overview, Main Road Pavement North Side Part 2



0 100 200 300 400 500 600 700 800 900 x [m]



General

Calculation algorithm used	High indirect fraction
Height of evaluation surface	0.01 m
Height (phot. centre) [m]:	6.00 m
Maintenance factor	see luminaires / maintenance plan

Total luminous flux	310750 lm
Total power	2456 W
Total power per area (637248.50 m²)	0.00 W/m²

Illuminance

Average illuminance	Em	3.5 lx
Minimum illuminance	Emin	0.8 lx
Maximum illuminance	Emax	13.2 lx
Uniformity Uo	Emin/Em	1:4.4 (0.23)
Diversity Ud	Emin/Emax	1:16.8 (0.06)

Type No.\Make

	E-Able Power	
	Order No.	: AL-A020
	Luminaire name	: LED
	Equipment	: 1 x 20 W / 2554 lm
	Maintenance factor:	0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.32 Result overview, Main Road Pavement North Side Part 2

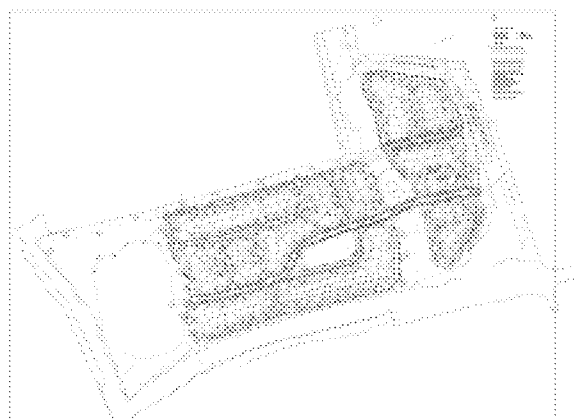
2 12 x  Order No. : AL-A012
Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022

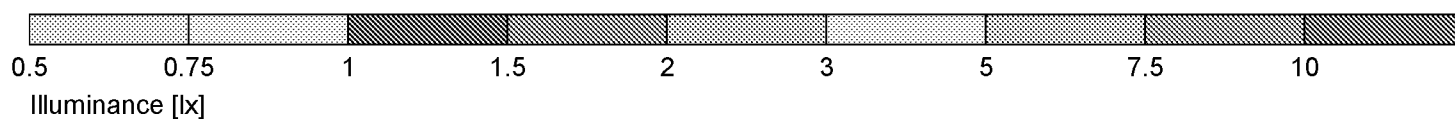


2.2 Summary, Exterior 1

2.2.33 Result overview, Main Road Pavement South Side Part 2



0 100 200 300 400 500 600 700 800 900 x [m]



General

Calculation algorithm used	High indirect fraction
Height of evaluation surface	0.01 m
Height (phot. centre) [m]:	6.00 m
Maintenance factor	see luminaires / maintenance plan

Total luminous flux	310750 lm
Total power	2456 W
Total power per area (637248.50 m²)	0.00 W/m²

Illuminance

Average illuminance	Em	3.8 lx
Minimum illuminance	Emin	0.7 lx
Maximum illuminance	Emax	14.3 lx
Uniformity Uo	Emin/Em	1:5.65 (0.18)
Diversity Ud	Emin/Emax	1:21.2 (0.05)

Type No.\Make

1	115 x	E-Able Power
		Order No. : AL-A020
		Luminaire name : LED
		Equipment : 1 x 20 W / 2554 lm
		Maintenance factor: 0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.33 Result overview, Main Road Pavement South Side Part 2

2 12 x  Order No. : AL-A012
Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.34 Result overview, Main Road Part 3



0 100 200 300 400 500 600 700 800 900 x [m]



1 1.5 2 3 5 7.5 10

Illuminance [lx]

General

Calculation algorithm used : High indirect fraction
 Height of evaluation surface : 0.01 m
 Height (phot. centre) [m]: 6.00 m
 Maintenance factor : see luminaires / maintenance plan

Total luminous flux : 310750 lm
 Total power : 2456 W
 Total power per area (637248.50 m²) : 0.00 W/m²

Illuminance

Average illuminance	Em	5.4 lx
Minimum illuminance	Emin	1.3 lx
Maximum illuminance	Emax	14.5 lx
Uniformity Uo	Emin/Em	1:4.23 (0.24)
Diversity Ud	Emin/Emax	1:11.3 (0.09)

Type No.\Make

1 115 x	E-Able Power	
	Order No.	: AL-A020
	Luminaire name	: LED
	Equipment	: 1 x 20 W / 2554 lm
	Maintenance factor:	0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.34 Result overview, Main Road Part 3

2 12 x  Order No. : AL-A012
Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022

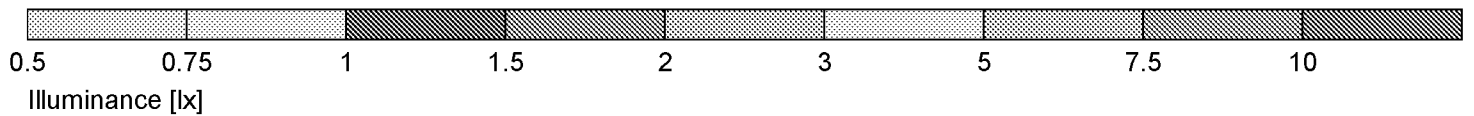


2.2 Summary, Exterior 1

2.2.35 Result overview, Main Road Pavement North Side Part 3



0 100 200 300 400 500 600 700 800 900 x [m]



General

Calculation algorithm used : High indirect fraction
 Height of evaluation surface : 0.01 m
 Height (phot. centre) [m]: 6.00 m
 Maintenance factor : see luminaires / maintenance plan

Total luminous flux : 310750 lm
 Total power : 2456 W
 Total power per area (637248.50 m²) : 0.00 W/m²

Illuminance

Average illuminance	Em	4.3 lx
Minimum illuminance	Emin	0.7 lx
Maximum illuminance	Emax	14.1 lx
Uniformity Uo	Emin/Em	1:6.32 (0.16)
Diversity Ud	Emin/Emax	1:20.7 (0.05)

Type No.\Make

E-Able Power

1	115 x	Order No.	: AL-A020
		Luminaire name	: LED
		Equipment	: 1 x 20 W / 2554 lm
		Maintenance factor:	0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.35 Result overview, Main Road Pavement North Side Part 3

2 12 x  Order No. : AL-A012
Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022

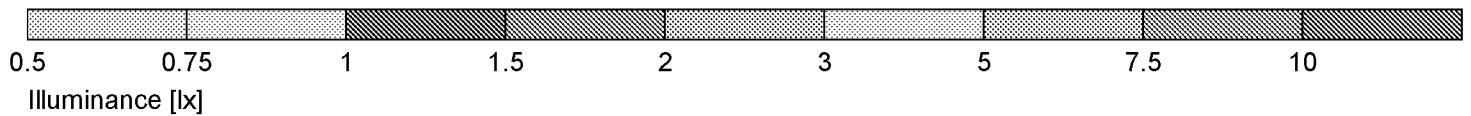


2.2 Summary, Exterior 1

2.2.36 Result overview, Main Road Pavement South Side Part 3



0 100 200 300 400 500 600 700 800 900 x [m]



General

Calculation algorithm used : High indirect fraction
 Height of evaluation surface : 0.01 m
 Height (phot. centre) [m]: 6.00 m
 Maintenance factor : see luminaires / maintenance plan

Total luminous flux : 310750 lm
 Total power : 2456 W
 Total power per area (637248.50 m²) : 0.00 W/m²

Illuminance

Average illuminance	Em	3.6 lx
Minimum illuminance	Emin	0.7 lx
Maximum illuminance	Emax	14.9 lx
Uniformity Uo	Emin/Em	1:5.15 (0.19)
Diversity Ud	Emin/Emax	1:21.3 (0.05)

Type No.\Make

E-Able Power

1	115 x	Order No.	: AL-A020
		Luminaire name	: LED
		Equipment	: 1 x 20 W / 2554 lm
		Maintenance factor:	0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.36 Result overview, Main Road Pavement South Side Part 3

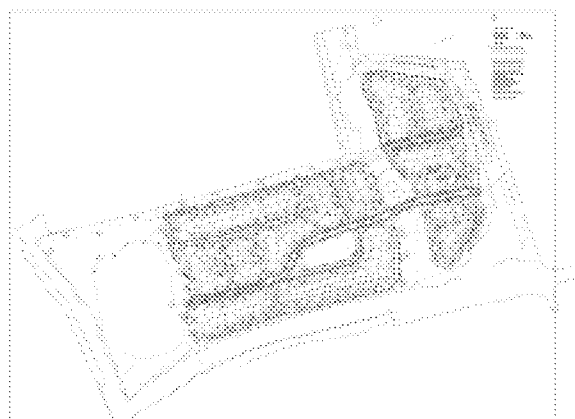
2 12 x Order No. : AL-A012
 Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.37 Result overview, Main Road Part 4



0 100 200 300 400 500 600 700 800 900 x [m]



1 1.5 2 3 5 7.5 10 15

Illuminance [lx]

General

Calculation algorithm used	High indirect fraction
Height of evaluation surface	0.01 m
Height (phot. centre) [m]:	6.00 m
Maintenance factor	see luminaires / maintenance plan

Total luminous flux	310750 lm
Total power	2456 W
Total power per area (637248.50 m²)	0.00 W/m²

Illuminance

Average illuminance	Em	5.7 lx
Minimum illuminance	Emin	1.3 lx
Maximum illuminance	Emax	15.2 lx
Uniformity Uo	Emin/Em	1:4.42 (0.23)
Diversity Ud	Emin/Emax	1:11.7 (0.09)

Type No.\Make

E-Able Power

1	115 x	Order No.	: AL-A020
		Luminaire name	: LED
		Equipment	: 1 x 20 W / 2554 lm
		Maintenance factor:	0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022

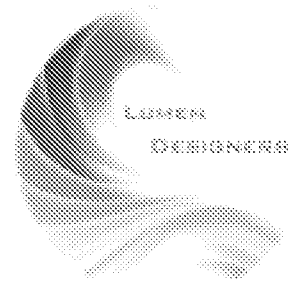


2.2 Summary, Exterior 1

2.2.37 Result overview, Main Road Part 4

2 12 x Order No. : AL-A012
 Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022

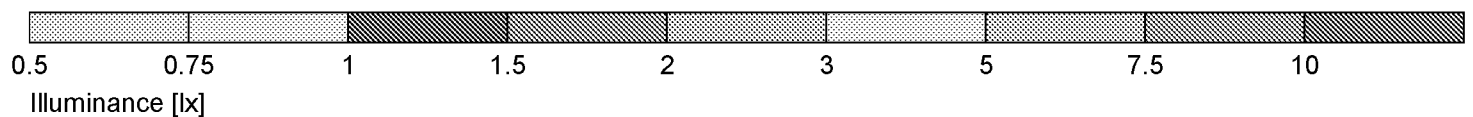


2.2 Summary, Exterior 1

2.2.38 Result overview, Main Road Pavement North Side Part 4



0 100 200 300 400 500 600 700 800 900 x [m]



General

Calculation algorithm used : High indirect fraction
 Height of evaluation surface : 0.01 m
 Height (phot. centre) [m]: 6.00 m
 Maintenance factor : see luminaires / maintenance plan

Total luminous flux : 310750 lm
 Total power : 2456 W
 Total power per area (637248.50 m²) : 0.00 W/m²

Illuminance

Average illuminance	Em	3.5 lx
Minimum illuminance	Emin	0.6 lx
Maximum illuminance	Emax	12.5 lx
Uniformity Uo	Emin/Em	1:6.18 (0.16)
Diversity Ud	Emin/Emax	1:22.1 (0.05)

Type No.\Make

E-Able Power

1	115 x	Order No.	: AL-A020
		Luminaire name	: LED
		Equipment	: 1 x 20 W / 2554 lm
		Maintenance factor:	0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.38 Result overview, Main Road Pavement North Side Part 4

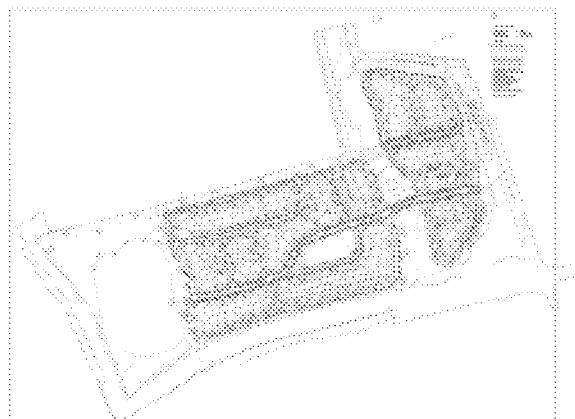
2 12 x Order No. : AL-A012
 Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022

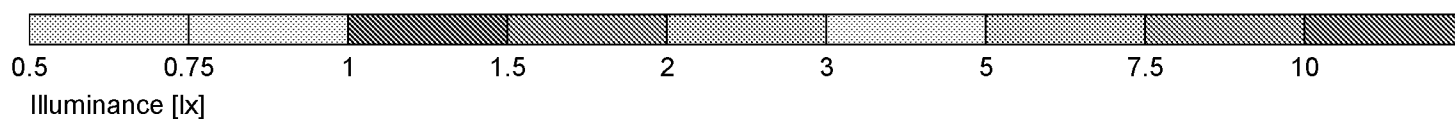


2.2 Summary, Exterior 1

2.2.39 Result overview, Main Road Pavement South Side Part 4



0 100 200 300 400 500 600 700 800 900 x [m]



General

Calculation algorithm used : High indirect fraction
 Height of evaluation surface : 0.01 m
 Height (phot. centre) [m]: 6.00 m
 Maintenance factor : see luminaires / maintenance plan

Total luminous flux : 310750 lm
 Total power : 2456 W
 Total power per area (637248.50 m²) : 0.00 W/m²

Illuminance

Average illuminance	Em	3.5 lx
Minimum illuminance	Emin	0.6 lx
Maximum illuminance	Emax	13.5 lx
Uniformity Uo	Emin/Em	1:6.17 (0.16)
Diversity Ud	Emin/Emax	1:24.1 (0.04)

Type No.\Make

E-Able Power

1	115 x	Order No.	: AL-A020
		Luminaire name	: LED
		Equipment	: 1 x 20 W / 2554 lm
		Maintenance factor:	0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.39 Result overview, Main Road Pavement South Side Part 4

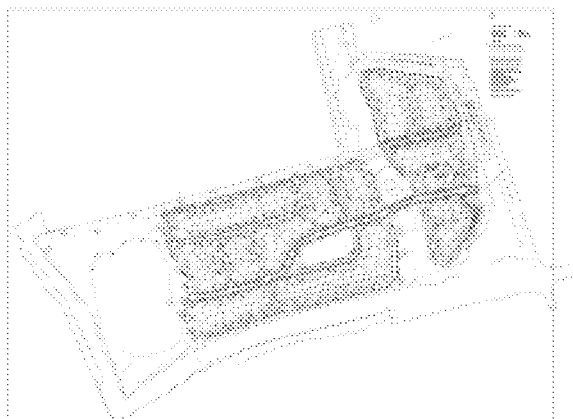
2 12 x  Order No. : AL-A012
Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.40 Result overview, South Road 1 Part 1



0 100 200 300 400 500 600 700 800 900 x [m]



1 1.5 2 3 5 7.5 10 15

Illuminance [lx]

General

Calculation algorithm used	High indirect fraction
Height of evaluation surface	0.01 m
Height (phot. centre) [m]:	6.00 m
Maintenance factor	see luminaires / maintenance plan

Total luminous flux	310750 lm
Total power	2456 W
Total power per area (637248.50 m²)	0.00 W/m²

Illuminance

Average illuminance	Em	5.7 lx
Minimum illuminance	Emin	1 lx
Maximum illuminance	Emax	15 lx
Uniformity Uo	Emin/Em	1:5.63 (0.18)
Diversity Ud	Emin/Emax	1:14.8 (0.07)

Type No.\Make

E-Able Power

1	115 x	Order No.	: AL-A020
		Luminaire name	: LED
		Equipment	: 1 x 20 W / 2554 lm
		Maintenance factor:	0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.40 Result overview, South Road 1 Part 1

2 12 x Order No. : AL-A012
 Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022

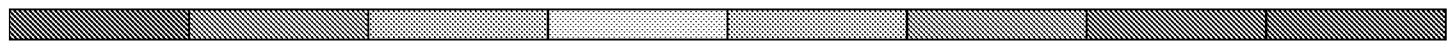


2.2 Summary, Exterior 1

2.2.41 Result overview, South Road 1 Part 2



0 100 200 300 400 500 600 700 800 900 x [m]



1 1.5 2 3 5 7.5 10 15

Illuminance [lx]

General

Calculation algorithm used	High indirect fraction
Height of evaluation surface	0.01 m
Height (phot. centre) [m]:	6.00 m
Maintenance factor	see luminaires / maintenance plan

Total luminous flux	310750 lm
Total power	2456 W
Total power per area (637248.50 m²)	0.00 W/m²

Illuminance

Average illuminance	Em	6.9 lx
Minimum illuminance	Emin	1 lx
Maximum illuminance	Emax	15 lx
Uniformity Uo	Emin/Em	1:6.78 (0.15)
Diversity Ud	Emin/Emax	1:14.9 (0.07)

Type No.\Make

E-Able Power

1	115 x	Order No.	: AL-A020
		Luminaire name	: LED
		Equipment	: 1 x 20 W / 2554 lm
		Maintenance factor:	0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.41 Result overview, South Road 1 Part 2

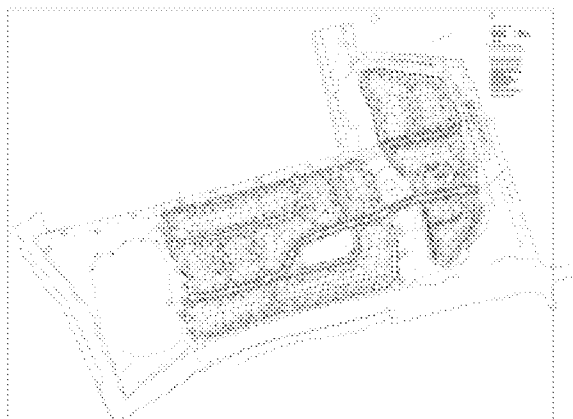
2 12 x Order No. : AL-A012
 Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022

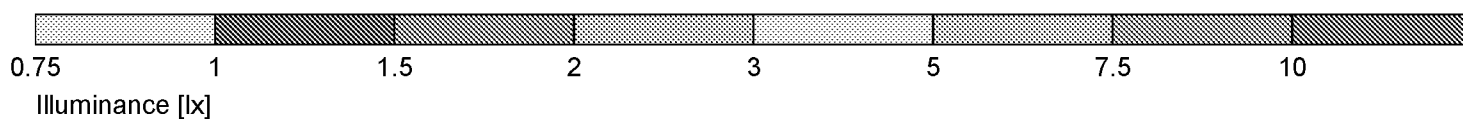


2.2 Summary, Exterior 1

2.2.42 Result overview, South Road 1 Part 3



0 100 200 300 400 500 600 700 800 900 x [m]



General

Calculation algorithm used : High indirect fraction
 Height of evaluation surface : 0.01 m
 Height (phot. centre) [m]: 6.00 m
 Maintenance factor : see luminaires / maintenance plan

Total luminous flux : 310750 lm
 Total power : 2456 W
 Total power per area (637248.50 m²) : 0.00 W/m²

Illuminance

Average illuminance	Em	6.3 lx
Minimum illuminance	Emin	1 lx
Maximum illuminance	Emax	14.9 lx
Uniformity Uo	Emin/Em	1:6.6 (0.15)
Diversity Ud	Emin/Emax	1:15.5 (0.06)

Type No.\Make

E-Able Power

1	115 x	Order No.	: AL-A020
		Luminaire name	: LED
		Equipment	: 1 x 20 W / 2554 lm
		Maintenance factor:	0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.42 Result overview, South Road 1 Part 3

2 12 x  Order No. : AL-A012
Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022

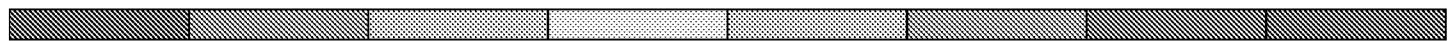


2.2 Summary, Exterior 1

2.2.43 Result overview, South Road 2 Part 1



0 100 200 300 400 500 600 700 800 900 x [m]



1 1.5 2 3 5 7.5 10 15

Illuminance [lx]

General

Calculation algorithm used : High indirect fraction
 Height of evaluation surface : 0.01 m
 Height (phot. centre) [m]: 6.00 m
 Maintenance factor : see luminaires / maintenance plan

Total luminous flux : 310750 lm
 Total power : 2456 W
 Total power per area (637248.50 m²) : 0.00 W/m²

Illuminance

Average illuminance	Em	7.2 lx
Minimum illuminance	Emin	1.1 lx
Maximum illuminance	Emax	15 lx
Uniformity Uo	Emin/Em	1:6.27 (0.16)
Diversity Ud	Emin/Emax	1:13.2 (0.08)

Type No.\Make

E-Able Power

1	115 x	Order No.	: AL-A020
		Luminaire name	: LED
		Equipment	: 1 x 20 W / 2554 lm
		Maintenance factor:	0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.43 Result overview, South Road 2 Part 1

2 12 x Order No. : AL-A012
 Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.44 Result overview, South Road 2 Part 2



0 100 200 300 400 500 600 700 800 900 x [m]



1 1.5 2 3 5 7.5 10

Illuminance [lx]

General

Calculation algorithm used	High indirect fraction
Height of evaluation surface	0.01 m
Height (phot. centre) [m]:	6.00 m
Maintenance factor	see luminaires / maintenance plan

Total luminous flux	310750 lm
Total power	2456 W
Total power per area (637248.50 m²)	0.00 W/m²

Illuminance

Average illuminance	Em	6.8 lx
Minimum illuminance	Emin	1.3 lx
Maximum illuminance	Emax	14.9 lx
Uniformity Uo	Emin/Em	1:5.22 (0.19)
Diversity Ud	Emin/Emax	1:11.5 (0.09)

Type No.\Make

	1	115 x	E-Able Power	
			Order No.	: AL-A020
			Luminaire name	: LED
			Equipment	: 1 x 20 W / 2554 lm
			Maintenance factor:	0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.44 Result overview, South Road 2 Part 2

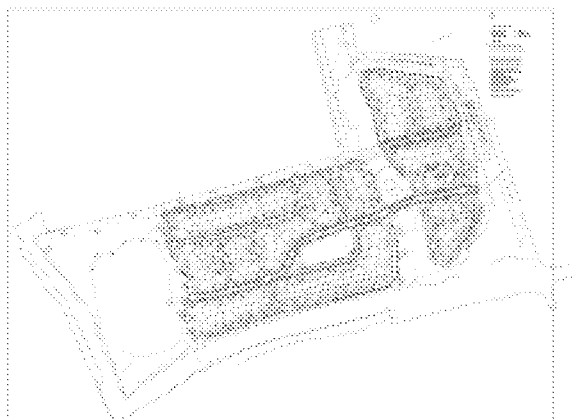
2 12 x Order No. : AL-A012
 Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022

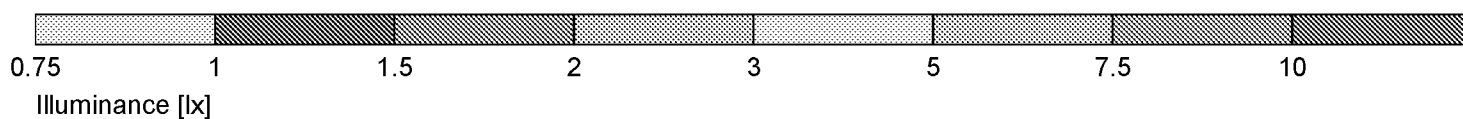


2.2 Summary, Exterior 1

2.2.45 Result overview, South Road 2 Part 2 Pavement



0 100 200 300 400 500 600 700 800 900 x [m]



General

Calculation algorithm used : High indirect fraction
 Height of evaluation surface : 0.01 m
 Height (phot. centre) [m]: 6.00 m
 Maintenance factor : see luminaires / maintenance plan

Total luminous flux : 310750 lm
 Total power : 2456 W
 Total power per area (637248.50 m²) : 0.00 W/m²

Illuminance

Average illuminance	Em	7 lx
Minimum illuminance	Emin	0.9 lx
Maximum illuminance	Emax	14.8 lx
Uniformity Uo	Emin/Em	1:7.81 (0.13)
Diversity Ud	Emin/Emax	1:16.5 (0.06)

Type No.\Make

E-Able Power

1	115 x	Order No.	: AL-A020
		Luminaire name	: LED
		Equipment	: 1 x 20 W / 2554 lm
		Maintenance factor:	0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.45 Result overview, South Road 2 Part 2 Pavement

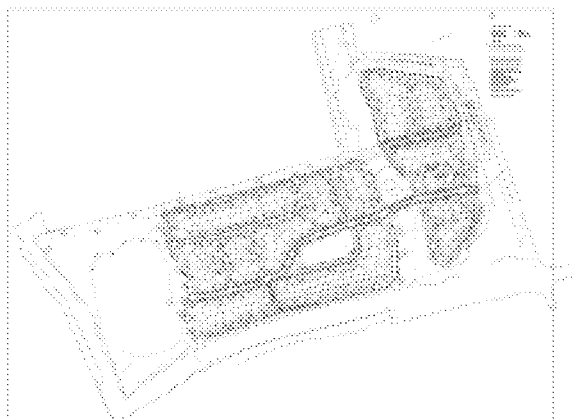
2 12 x Order No. : AL-A012
 Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.46 Result overview, South Road 2 Part 3



0 100 200 300 400 500 600 700 800 900 x [m]



1 1.5 2 3 5 7.5 10 15

Illuminance [lx]

General

Calculation algorithm used : High indirect fraction
 Height of evaluation surface : 0.01 m
 Height (phot. centre) [m]: 6.00 m
 Maintenance factor : see luminaires / maintenance plan

Total luminous flux : 310750 lm
 Total power : 2456 W
 Total power per area (637248.50 m²) : 0.00 W/m²

Illuminance

Average illuminance	Em	6.5 lx
Minimum illuminance	Emin	1 lx
Maximum illuminance	Emax	15.1 lx
Uniformity Uo	Emin/Em	1:6.27 (0.16)
Diversity Ud	Emin/Emax	1:14.5 (0.07)

Type No.\Make

1	115 x	E-Able Power
		Order No. : AL-A020
		Luminaire name : LED
		Equipment : 1 x 20 W / 2554 lm
		Maintenance factor: 0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.46 Result overview, South Road 2 Part 3

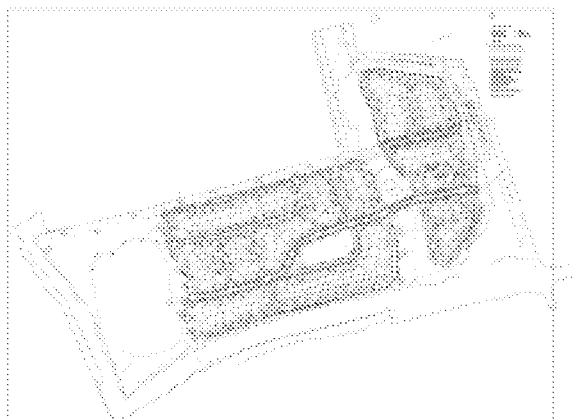
2 12 x Order No. : AL-A012
 Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022

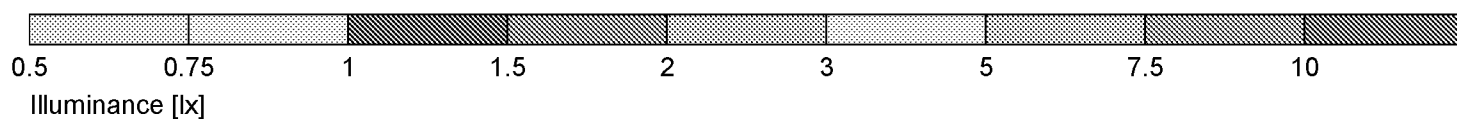


2.2 Summary, Exterior 1

2.2.47 Result overview, South Road 2 Part 3 Pavement



0 100 200 300 400 500 600 700 800 900 x [m]



General

Calculation algorithm used : High indirect fraction
 Height of evaluation surface : 0.01 m
 Height (phot. centre) [m]: 6.00 m
 Maintenance factor : see luminaires / maintenance plan

Total luminous flux : 310750 lm
 Total power : 2456 W
 Total power per area (637248.50 m²) : 0.00 W/m²

Illuminance

Average illuminance	Em	5 lx
Minimum illuminance	Emin	0.5 lx
Maximum illuminance	Emax	14.6 lx
Uniformity Uo	Emin/Em	1:9.24 (0.11)
Diversity Ud	Emin/Emax	1:26.8 (0.04)

Type No.\Make

E-Able Power

1 115 x

 Order No. : AL-A020
 Luminaire name : LED
 Equipment : 1 x 20 W / 2554 lm
 Maintenance factor: 0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.47 Result overview, South Road 2 Part 3 Pavement

2 12 x Order No. : AL-A012
 Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.48 Result overview, South Road 3



0 100 200 300 400 500 600 700 800 900 x [m]



1 1.5 2 3 5 7.5 10

Illuminance [lx]

General

Calculation algorithm used : High indirect fraction
 Height of evaluation surface : 0.01 m
 Height (phot. centre) [m]: 6.00 m
 Maintenance factor : see luminaires / maintenance plan

Total luminous flux : 310750 lm
 Total power : 2456 W
 Total power per area (637248.50 m²) : 0.00 W/m²

Illuminance

Average illuminance	Em	6.6 lx
Minimum illuminance	Emin	1 lx
Maximum illuminance	Emax	15 lx
Uniformity Uo	Emin/Em	1:6.41 (0.16)
Diversity Ud	Emin/Emax	1:14.5 (0.07)

Type No.\Make

E-Able Power

1	115 x	Order No.	: AL-A020
		Luminaire name	: LED
		Equipment	: 1 x 20 W / 2554 lm
		Maintenance factor:	0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.48 Result overview, South Road 3

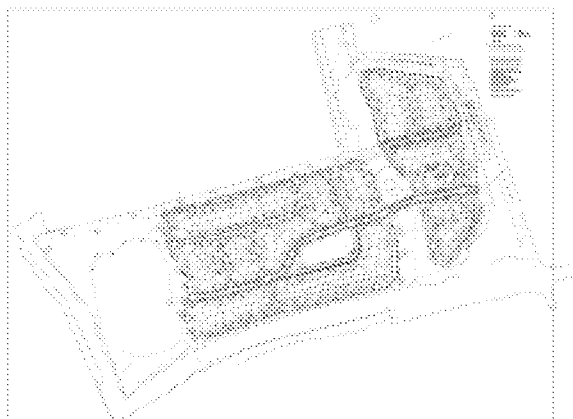
2 12 x Order No. : AL-A012
 Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022

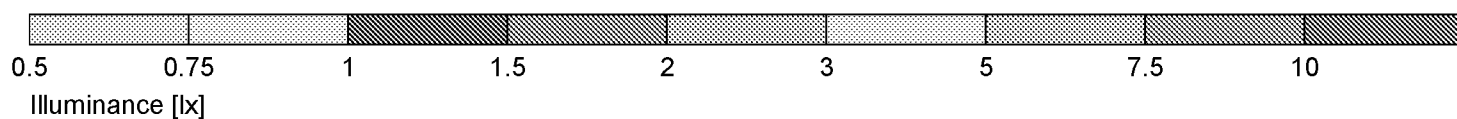


2.2 Summary, Exterior 1

2.2.49 Result overview, South Road 3 Pavement



0 100 200 300 400 500 600 700 800 900 x [m]



General

Calculation algorithm used	High indirect fraction
Height of evaluation surface	0.01 m
Height (phot. centre) [m]:	6.00 m
Maintenance factor	see luminaires / maintenance plan

Total luminous flux	310750 lm
Total power	2456 W
Total power per area (637248.50 m²)	0.00 W/m²

Illuminance

Average illuminance	Em	3.6 lx
Minimum illuminance	Emin	0.7 lx
Maximum illuminance	Emax	14.9 lx
Uniformity Uo	Emin/Em	1:5.46 (0.18)
Diversity Ud	Emin/Emax	1:22.8 (0.04)

Type No.\Make

E-Able Power

1	115 x	Order No.	: AL-A020
		Luminaire name	: LED
		Equipment	: 1 x 20 W / 2554 lm
		Maintenance factor:	0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.49 Result overview, South Road 3 Pavement

2 12 x Order No. : AL-A012
 Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.50 Result overview, South Road 4 Part 1



0 100 200 300 400 500 600 700 800 900 x [m]



1 1.5 2 3 5 7.5 10

Illuminance [lx]

General

Calculation algorithm used	High indirect fraction
Height of evaluation surface	0.01 m
Height (phot. centre) [m]:	6.00 m
Maintenance factor	see luminaires / maintenance plan

Total luminous flux	310750 lm
Total power	2456 W
Total power per area (637248.50 m²)	0.00 W/m²

Illuminance

Average illuminance	Em	5.7 lx
Minimum illuminance	Emin	1.1 lx
Maximum illuminance	Emax	14.9 lx
Uniformity Uo	Emin/Em	1:5.47 (0.18)
Diversity Ud	Emin/Emax	1:14.2 (0.07)

Type No.\Make

E-Able Power

1	115 x	Order No.	: AL-A020
		Luminaire name	: LED
		Equipment	: 1 x 20 W / 2554 lm
		Maintenance factor:	0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.50 Result overview, South Road 4 Part 1

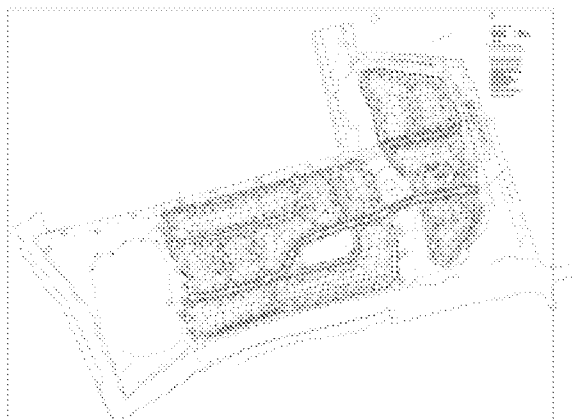
2 12 x  Order No. : AL-A012
Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022

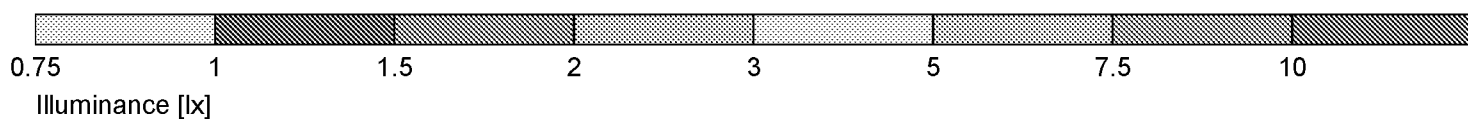


2.2 Summary, Exterior 1

2.2.51 Result overview, South Road 4 Part 2



0 100 200 300 400 500 600 700 800 900 x [m]



General

Calculation algorithm used	High indirect fraction
Height of evaluation surface	0.01 m
Height (phot. centre) [m]:	6.00 m
Maintenance factor	see luminaires / maintenance plan

Total luminous flux	310750 lm
Total power	2456 W
Total power per area (637248.50 m²)	0.00 W/m²

Illuminance

Average illuminance	Em	6.4 lx
Minimum illuminance	Emin	1 lx
Maximum illuminance	Emax	14.9 lx
Uniformity Uo	Emin/Em	1:6.39 (0.16)
Diversity Ud	Emin/Emax	1:14.9 (0.07)

Type No.\Make

E-Able Power

1	115 x	Order No.	: AL-A020
		Luminaire name	: LED
		Equipment	: 1 x 20 W / 2554 lm
		Maintenance factor:	0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.51 Result overview, South Road 4 Part 2

2 12 x Order No. : AL-A012
 Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022

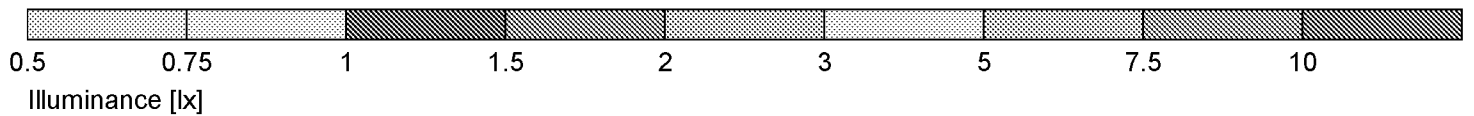


2.2 Summary, Exterior 1

2.2.52 Result overview, South Road 4 Part 2 Pavement



0 100 200 300 400 500 600 700 800 900 x [m]



General

Calculation algorithm used	High indirect fraction
Height of evaluation surface	0.01 m
Height (phot. centre) [m]:	6.00 m
Maintenance factor	see luminaires / maintenance plan

Total luminous flux	310750 lm
Total power	2456 W
Total power per area (637248.50 m²)	0.00 W/m²

Illuminance

Average illuminance	Em	6.2 lx
Minimum illuminance	Emin	0.7 lx
Maximum illuminance	Emax	14.4 lx
Uniformity Uo	Emin/Em	1:9.38 (0.11)
Diversity Ud	Emin/Emax	1:21.8 (0.05)

Type No.\Make

E-Able Power

1	115 x	Order No.	: AL-A020
		Luminaire name	: LED
		Equipment	: 1 x 20 W / 2554 lm
		Maintenance factor:	0.93

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.2 Summary, Exterior 1

2.2.52 Result overview, South Road 4 Part 2 Pavement

2 12 x Order No. : AL-A012
 Luminaire name : Integrated solar street light
Equipment : 1 x 13 W / 1420 lm
Maintenance factor: 0.93

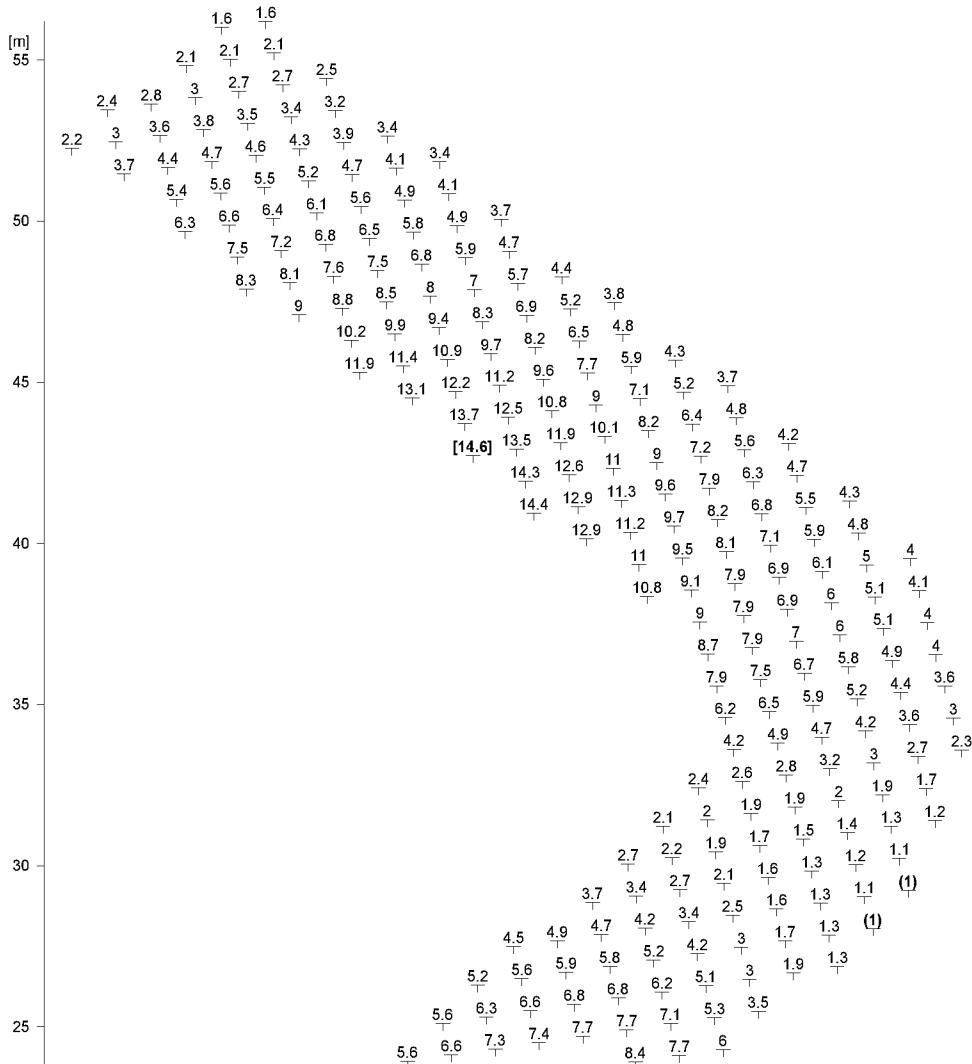
Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2 Exterior 1

2.3 Calculation results, Exterior 1

2.3.1 Table, North Road 1 (E)



Part1

Height reference plane	: 0.01 m
Average illuminance	Em : 6.1 lx
Minimum illuminance	Emin : 1 lx
Maximum illuminance	Emax : 14.6 lx
Uniformity Uo	Emin/Em : 1 : 6.38 (0.16)
Diversity Ud	Emin/Emax : 1 : 15.20 (0.07)

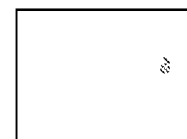
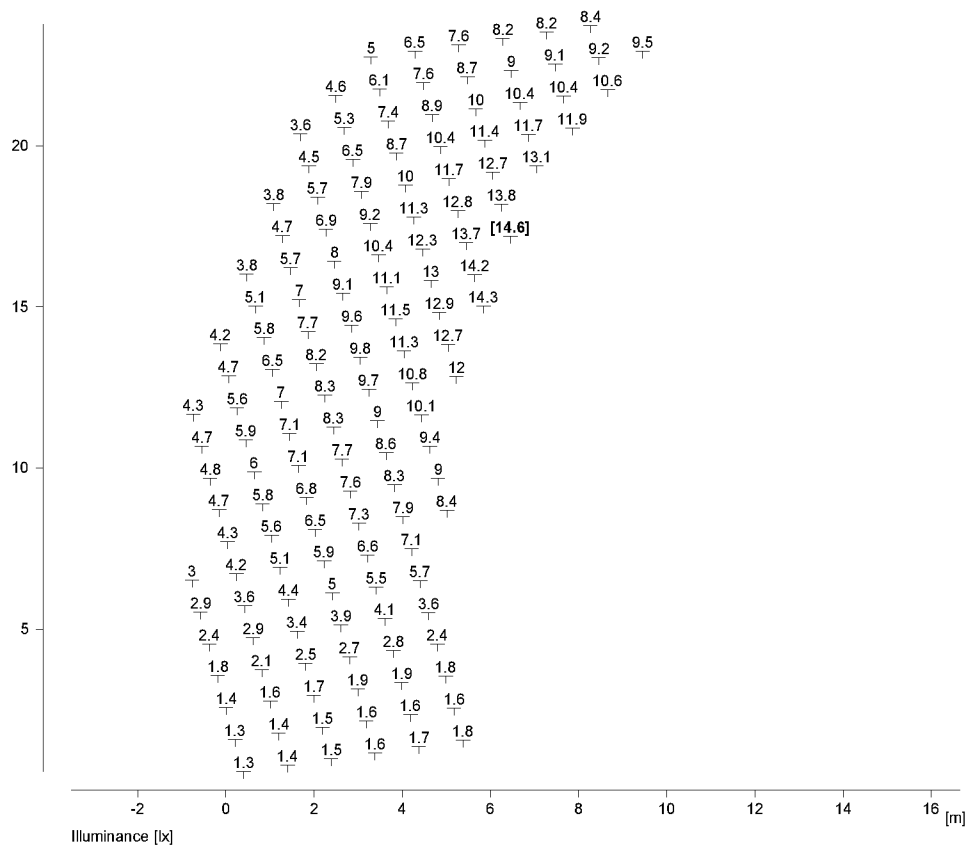
Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2 Exterior 1

2.3 Calculation results, Exterior 1

2.3.1 Table, North Road 1 (E)



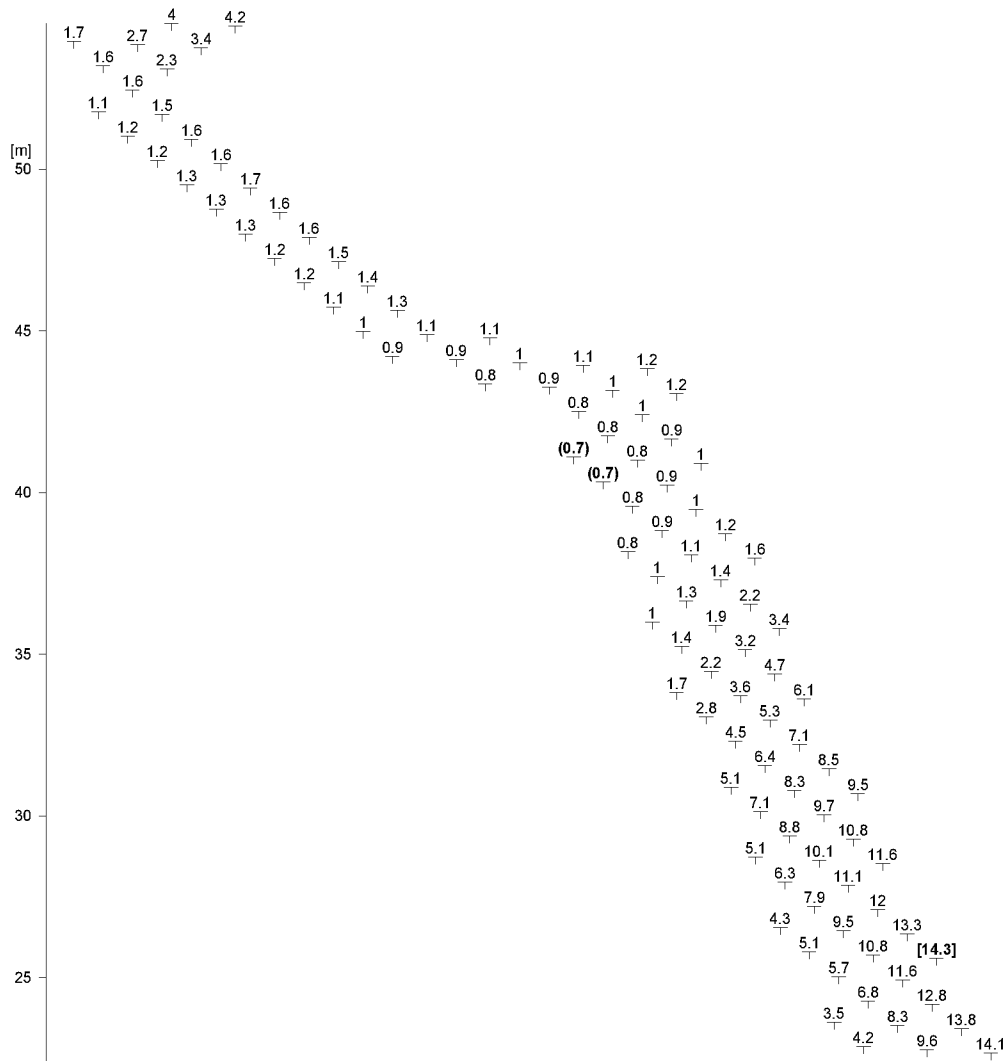
Part2

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.2 Table, North Road 2 Part 1 Pavement West Side (E)



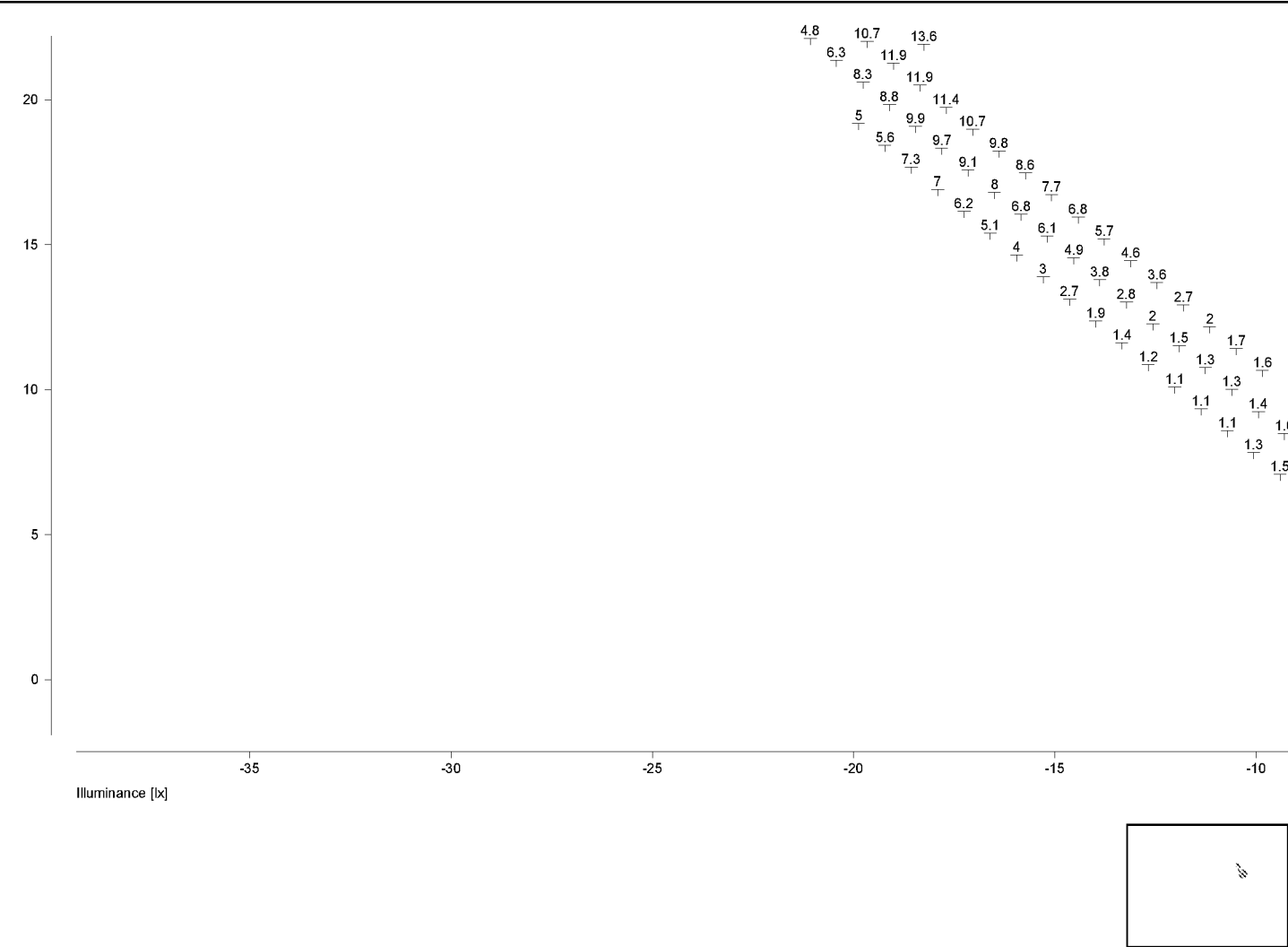
Part1

Height reference plane	: 0.01 m
Average illuminance	Em : 4.9 lx
Minimum illuminance	Emin : 0.7 lx
Maximum illuminance	Emax : 14.3 lx
Uniformity Uo	Emin/Em : 1 : 7.06 (0.14)
Diversity Ud	Emin/Emax : 1 : 20.76 (0.05)

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



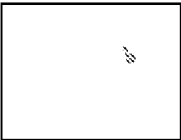
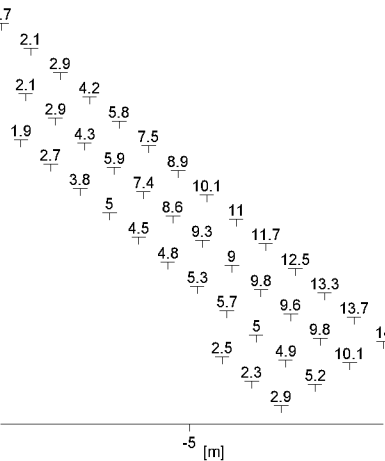
2.3 Calculation results, Exterior 1
2.3.2 Table, North Road 2 Part 1 Pavement West Side (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.2 Table, North Road 2 Part 1 Pavement West Side (E)



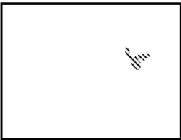
Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.3 Table, North Road 2 Part 1 (E)

2.9 3 3.2
Part3

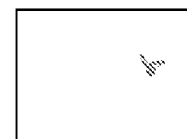




LUMEN
DESIGNERS

2.3.3 Table, North Road 2 Part 1 (E)

3.7	4.3	5.3	6.1	6.6	7.3	7.9	8.3	8.7	9.5	10	10.1	10.8	11.5	12.2	12.8	13.6	13.9	14.4	14.5	15	15
		4.9	5.6	6.3	7	7.8	8.9	9.5	10.1	10.8	11.5	12.2	12.8	13.6	13.9	14.4	14.5	15	15		

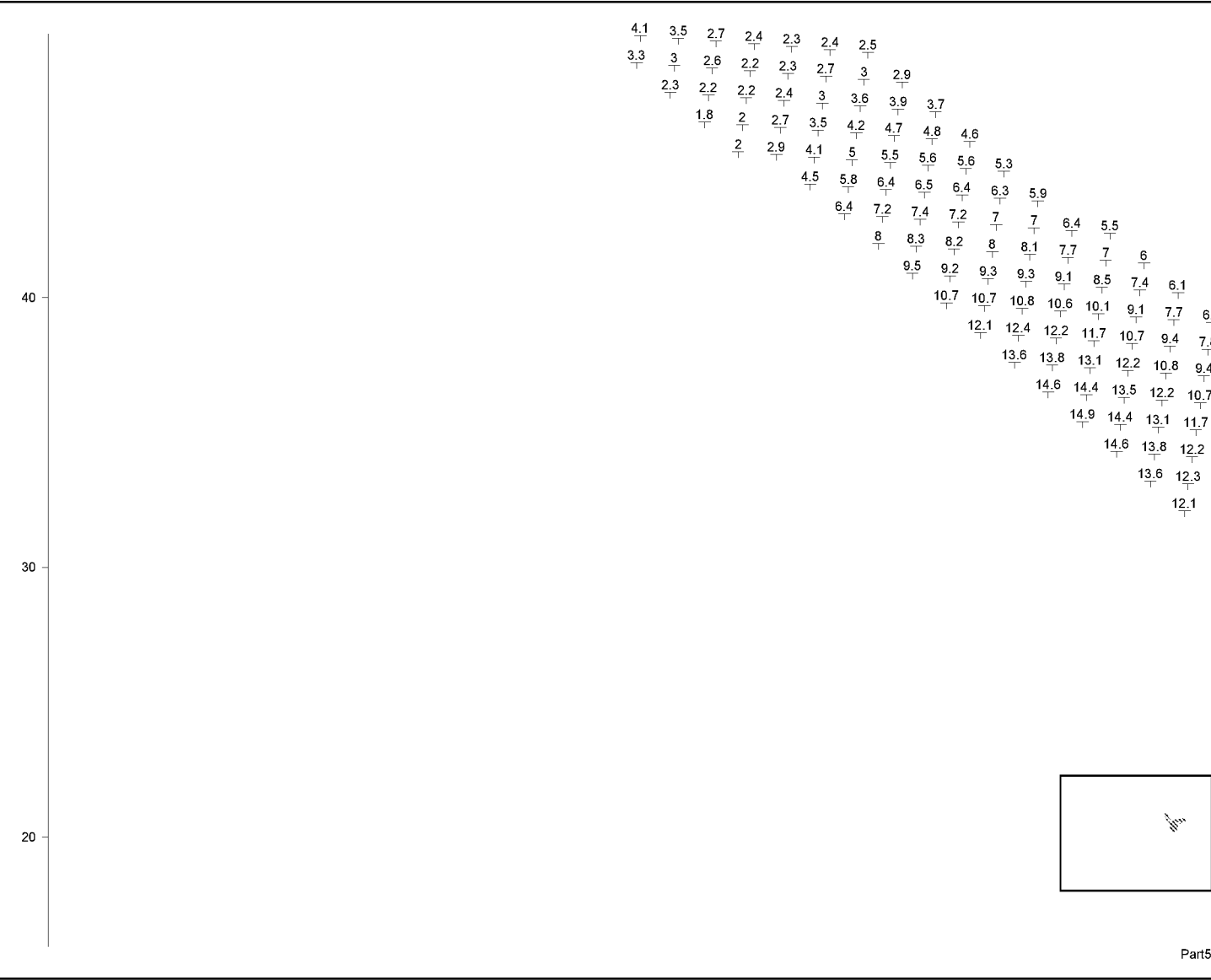


Part4



2.3 Calculation results, Exterior 1

2.3.3 Table, North Road 2 Part 1 (E)

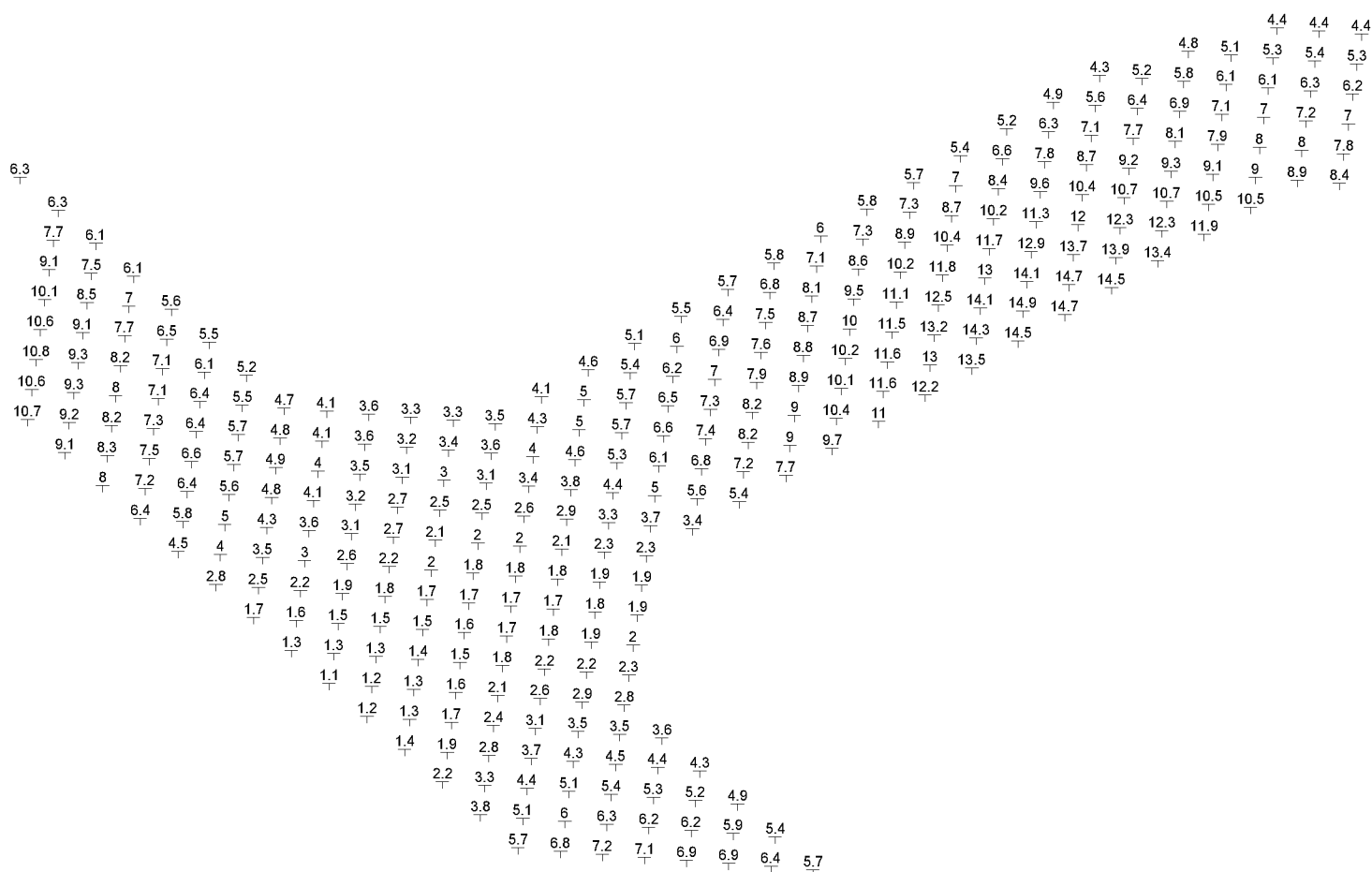


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022

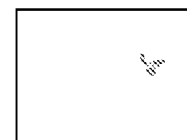


2.3 Calculation results, Exterior 1

2.3.3 Table, North Road 2 Part 1 (E)

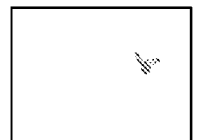
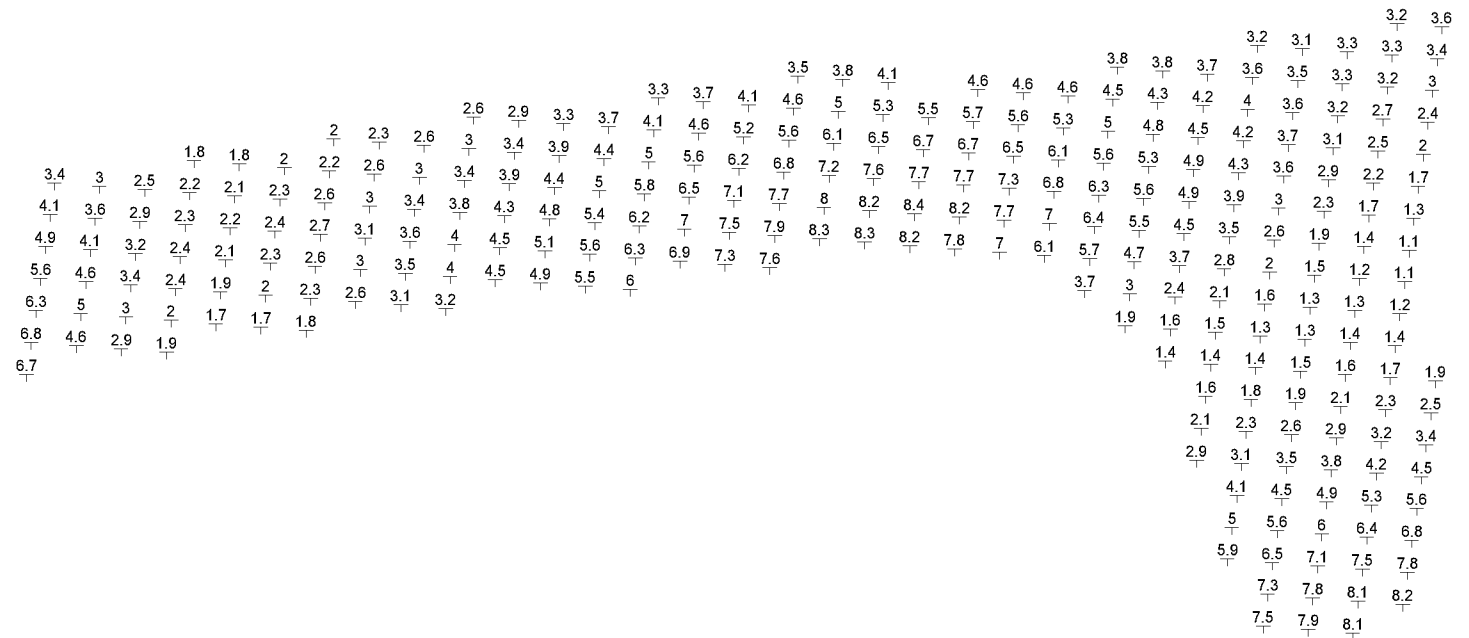


Part6





LUNEN
 DESIGNERS





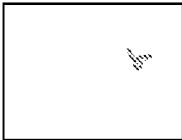
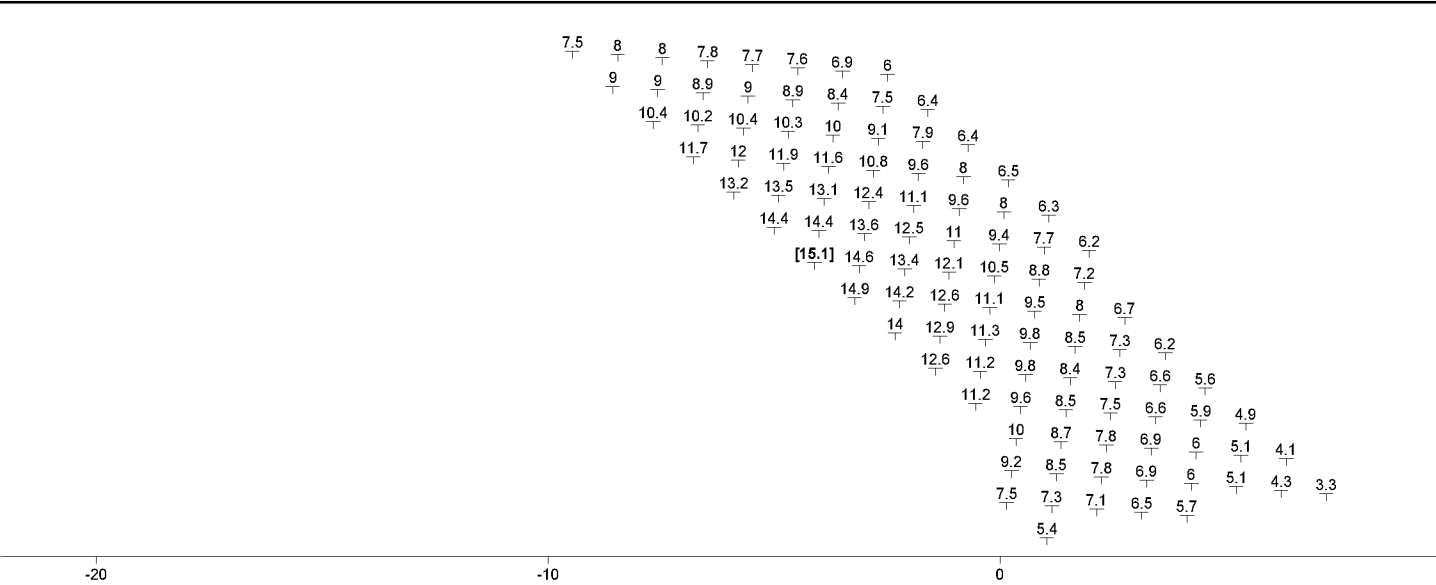
LERNER
DESIGNERS

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.3 Table, North Road 2 Part 1 (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.4 Table, North Road 2 Part 2 (E)



Part1

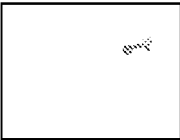
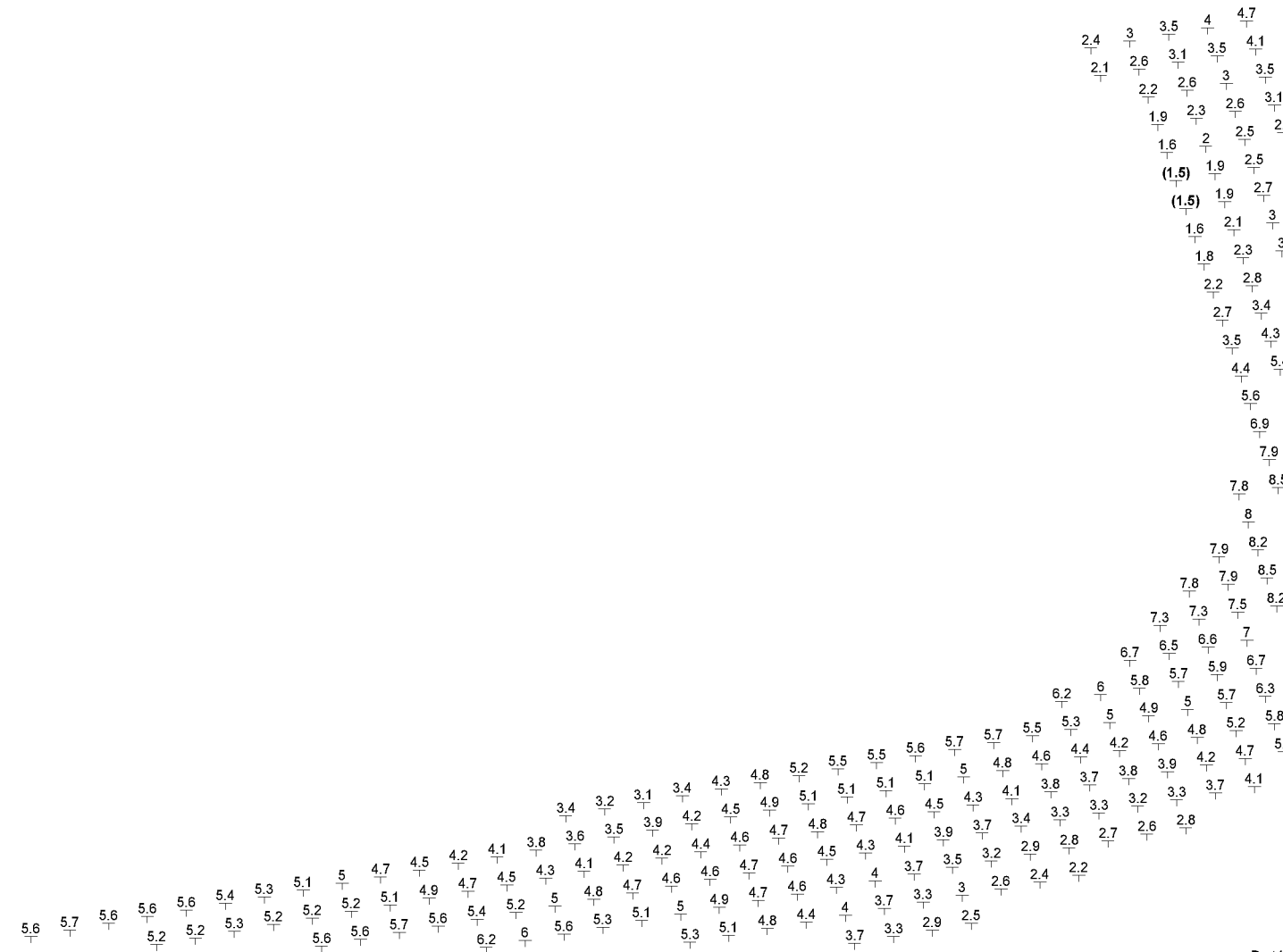
Height reference plane		: 0.01 m
Average illuminance	Em	: 5.3 lx
Minimum illuminance	Emin	: 1.5 lx
Maximum illuminance	Emax	: 14.9 lx
Uniformity Uo	Emin/Em	: 1 : 3.61 (0.28)
Diversity Ud	Emin/Emax	: 1 : 10.07 (0.10)

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.4 Table, North Road 2 Part 2 (E)

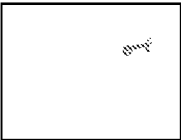
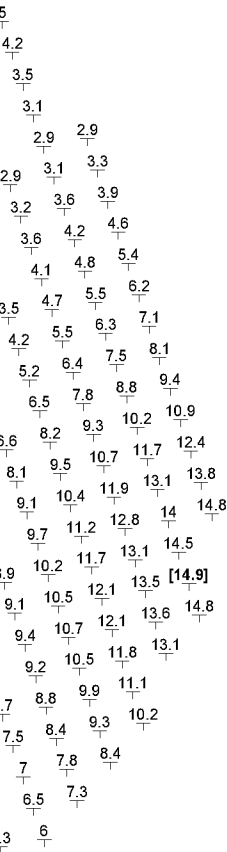


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.4 Table, North Road 2 Part 2 (E)

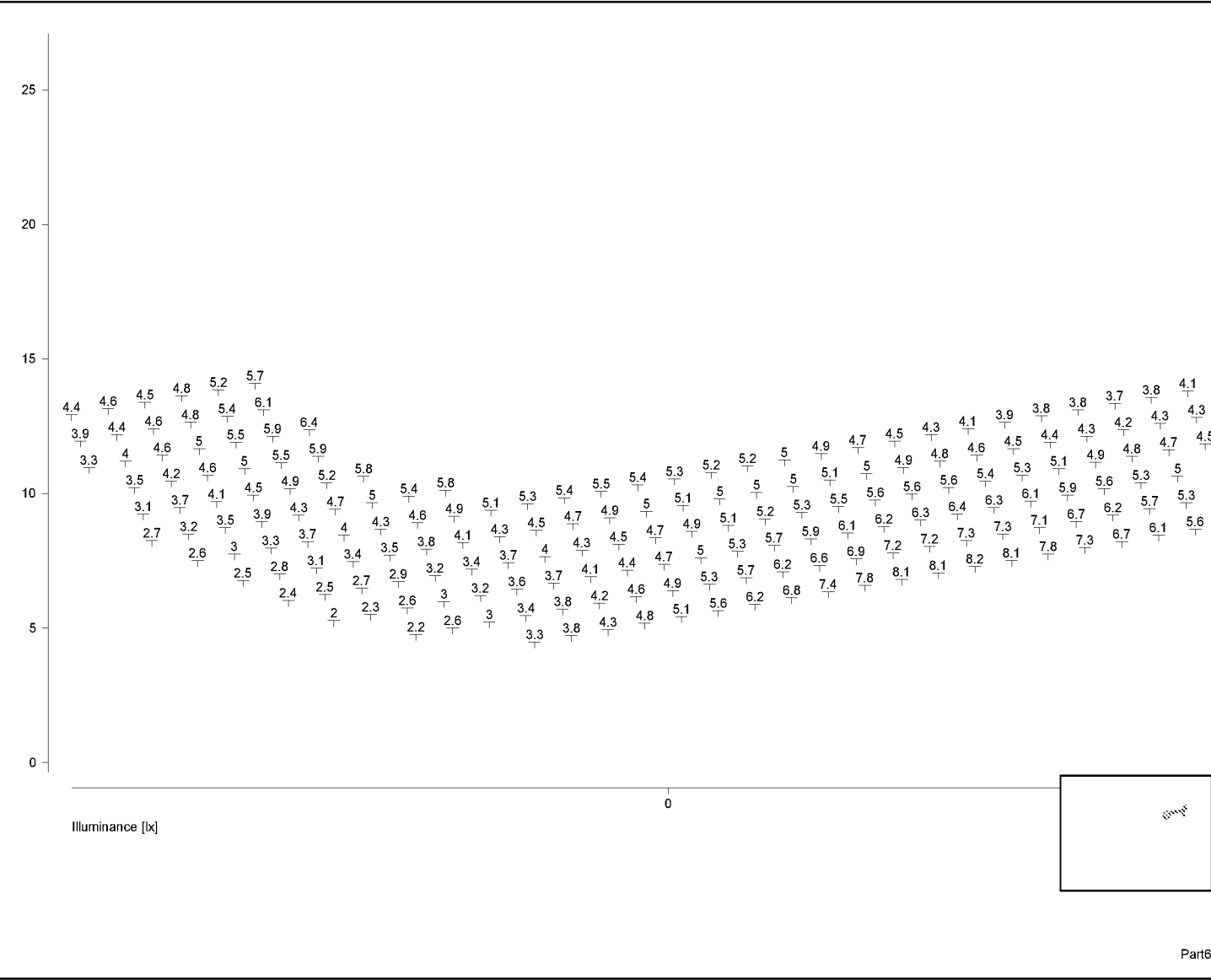


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.4 Table, North Road 2 Part 2 (E)

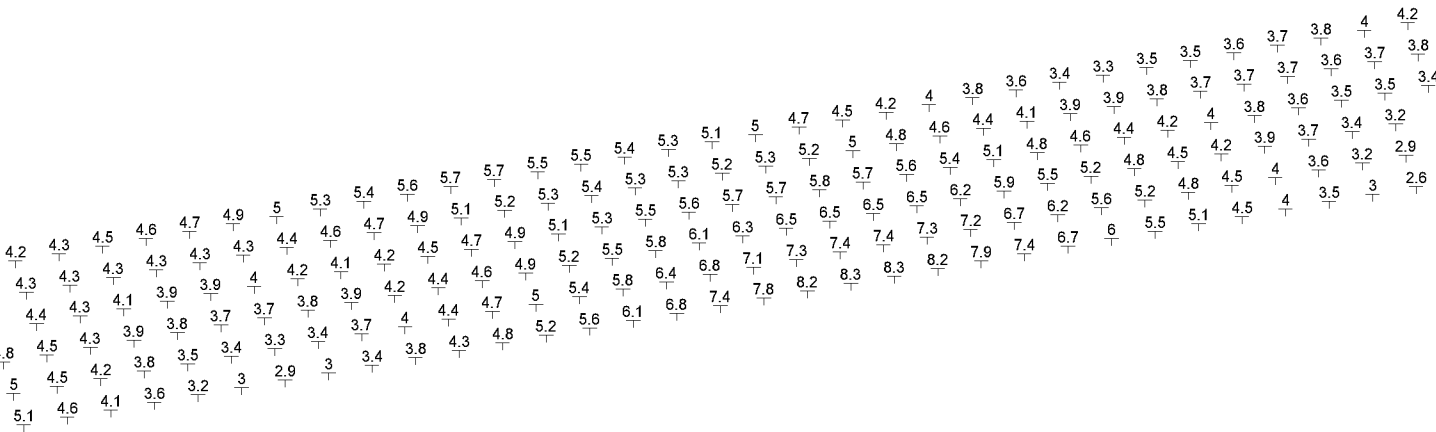


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.4 Table, North Road 2 Part 2 (E)



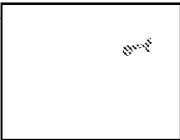
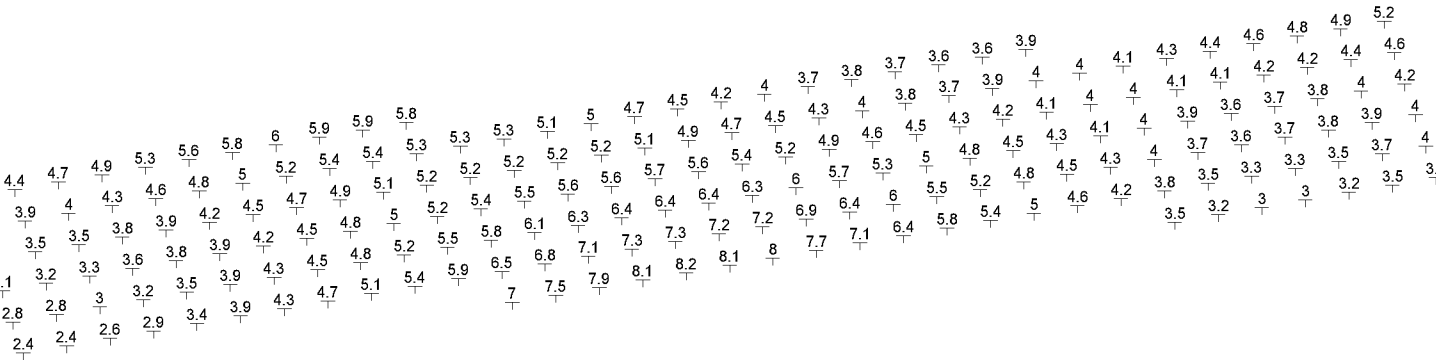
Part7

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.4 Table, North Road 2 Part 2 (E)





LUNEN
 DESIGNERS

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.5 Table, North Road 2 Part 2 Pavement South Side (E)



Part1

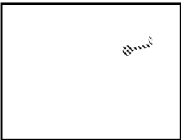
Height reference plane		: 0.01 m
Average illuminance	Em	: 4 lx
Minimum illuminance	Emin	: 0.8 lx
Maximum illuminance	Emax	: 13.8 lx
Uniformity Uo	Emin/Em	: 1 : 5.18 (0.19)
Diversity Ud	Emin/Emax	: 1 : 17.79 (0.06)



2.3 Calculation results, Exterior 1

2.3.5 Table, North Road 2 Part 2 Pavement South Side (E)

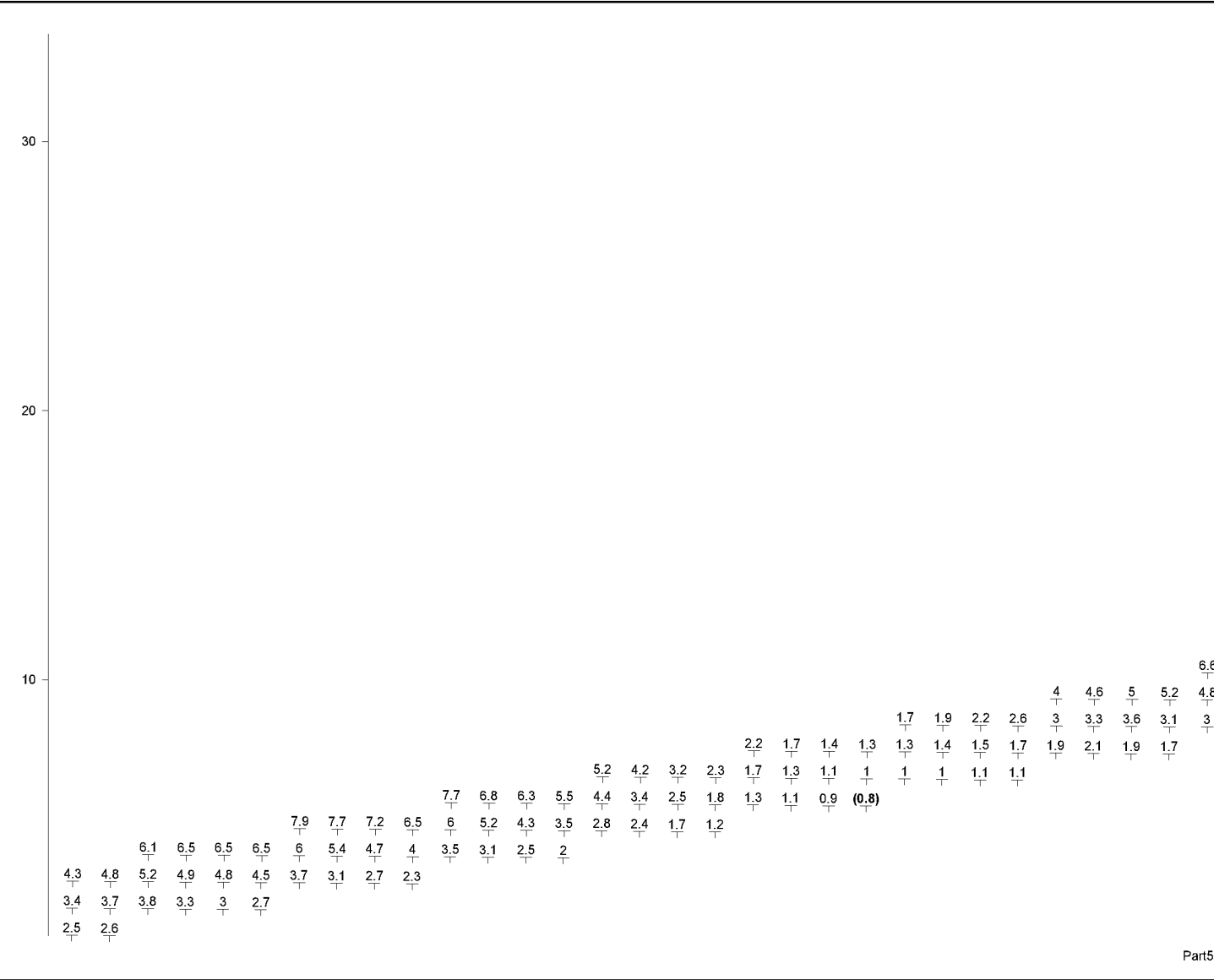
3.3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
-----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.5 Table, North Road 2 Part 2 Pavement South Side (E)

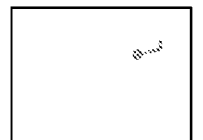




LUMEN
DESIGNERS

2.3.5 Table, North Road 2 Part 2 Pavement South Side (E)

																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					</
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----

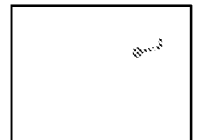


Part6



LUMEN
DESIGNERS

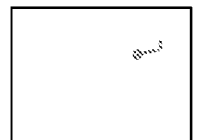
2.3.5 Table, North Road 2 Part 2 Pavement South Side (E)

[illegible]



LUMEN
DESIGNERS

2.3.5 Table, North Road 2 Part 2 Pavement South Side (E)

[illegible]

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.6 Table, North Road 2 Part 2 Pavement North Side (E)



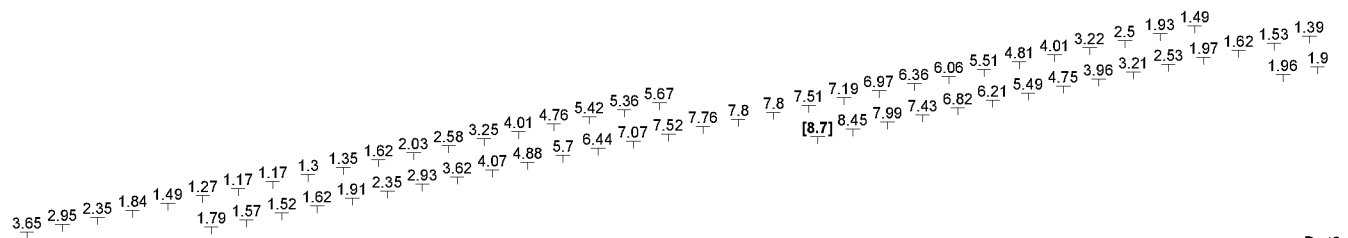
Part1

Height reference plane		: 0.01 m
Average illuminance	Em	: 4.41 lx
Minimum illuminance	Emin	: 0.91 lx
Maximum illuminance	Emax	: 8.7 lx
Uniformity Uo	Emin/Em	: 1 : 4.84 (0.21)
Diversity Ud	Emin/Emax	: 1 : 9.57 (0.10)

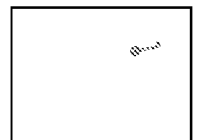


LUMEN
DESIGNERS

2.3.6 Table, North Road 2 Part 2 Pavement North Side (E)



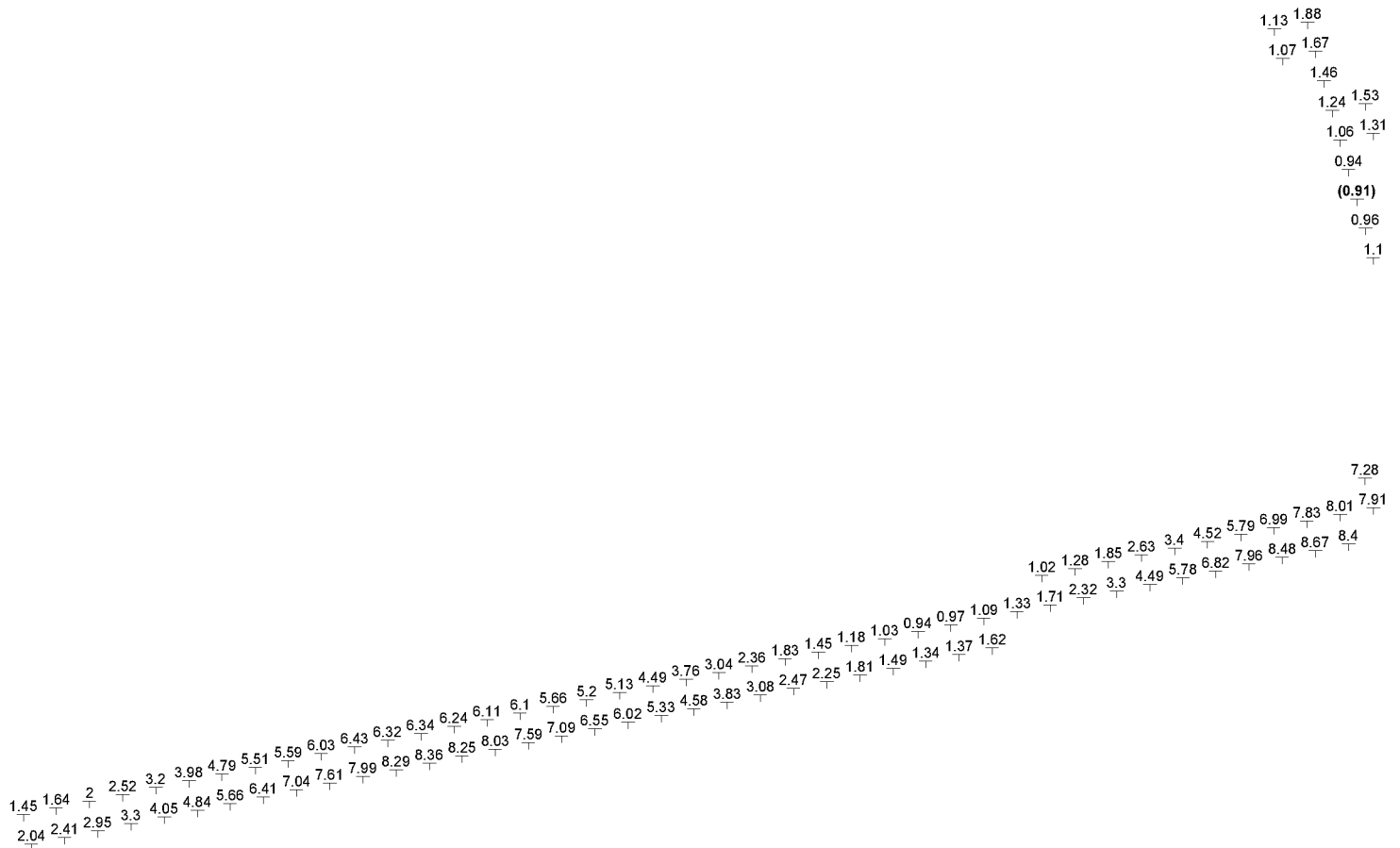
Part2



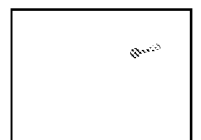


LUMEN
DESIGNERS

2.3.6 Table, North Road 2 Part 2 Pavement North Side (E)



Part3

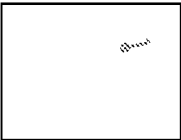


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.6 Table, North Road 2 Part 2 Pavement North Side (E)

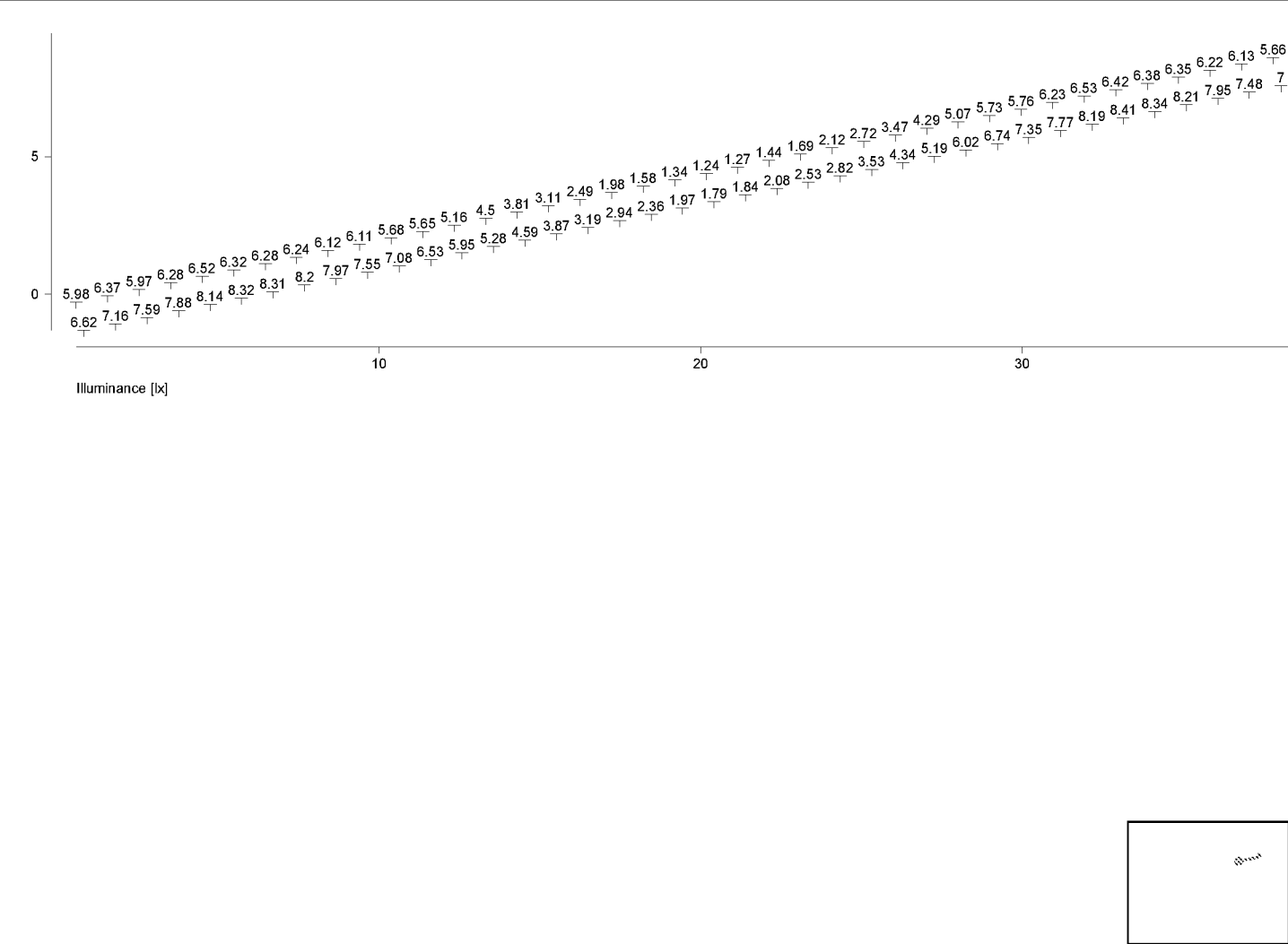
1.18	
1.16	
1.24	
1.43	
1.36	1.8
1.73	2.26
2.57	3.09
3.83	4.32
5.31	5.7
6.45	6.61
7.33	7.35
7.74	



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



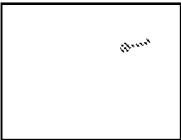
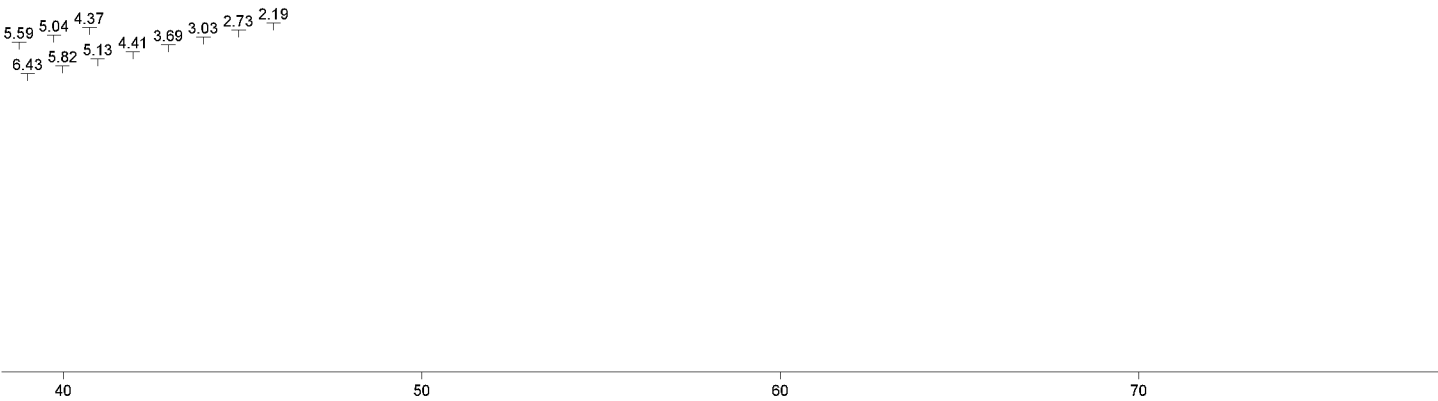
2.3 Calculation results, Exterior 1
2.3.6 Table, North Road 2 Part 2 Pavement North Side (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.6 Table, North Road 2 Part 2 Pavement North Side (E)





LUMEN
DESIGNERS

2.3.7 Table, North Road 2 Part 3 (E)



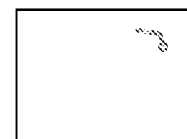
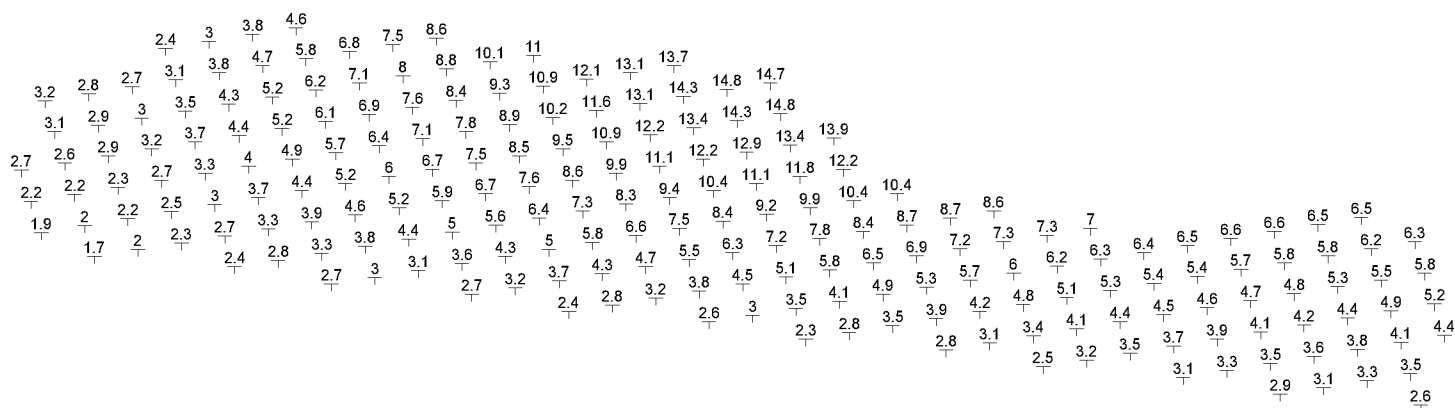
Height reference plane		: 0.01 m
Average illuminance	E_m	: 6.9 lx
Minimum illuminance	E_{min}	: 1.5 lx
Maximum illuminance	E_{max}	: 15.2 lx
Uniformity U_o	E_{min}/E_m	: 1 : 4.49 (0.22)
Diversity U_d	E_{min}/E_{max}	: 1 : 9.86 (0.10)

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.7 Table, North Road 2 Part 3 (E)



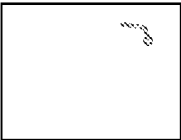
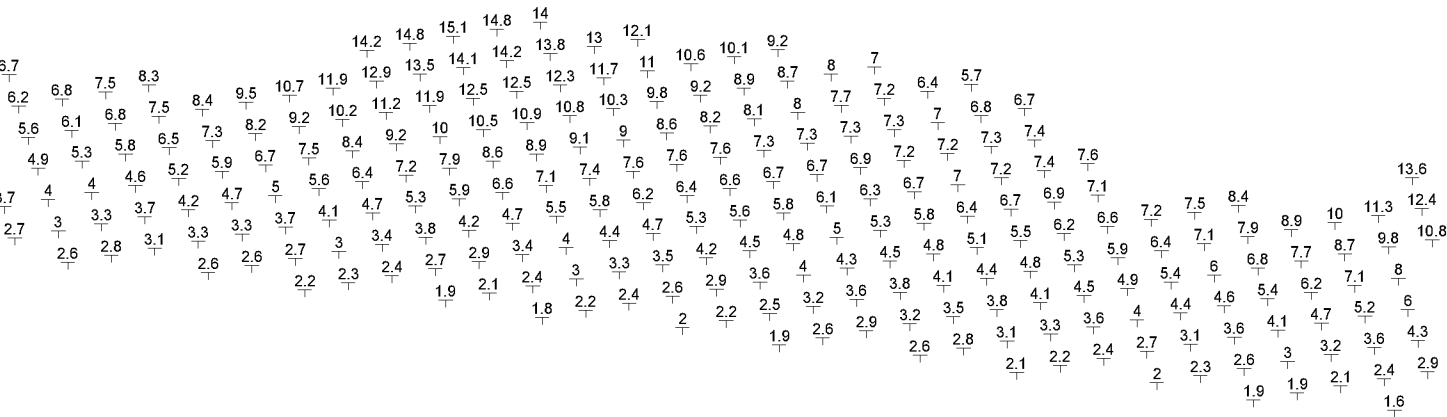
Part2

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.7 Table, North Road 2 Part 3 (E)

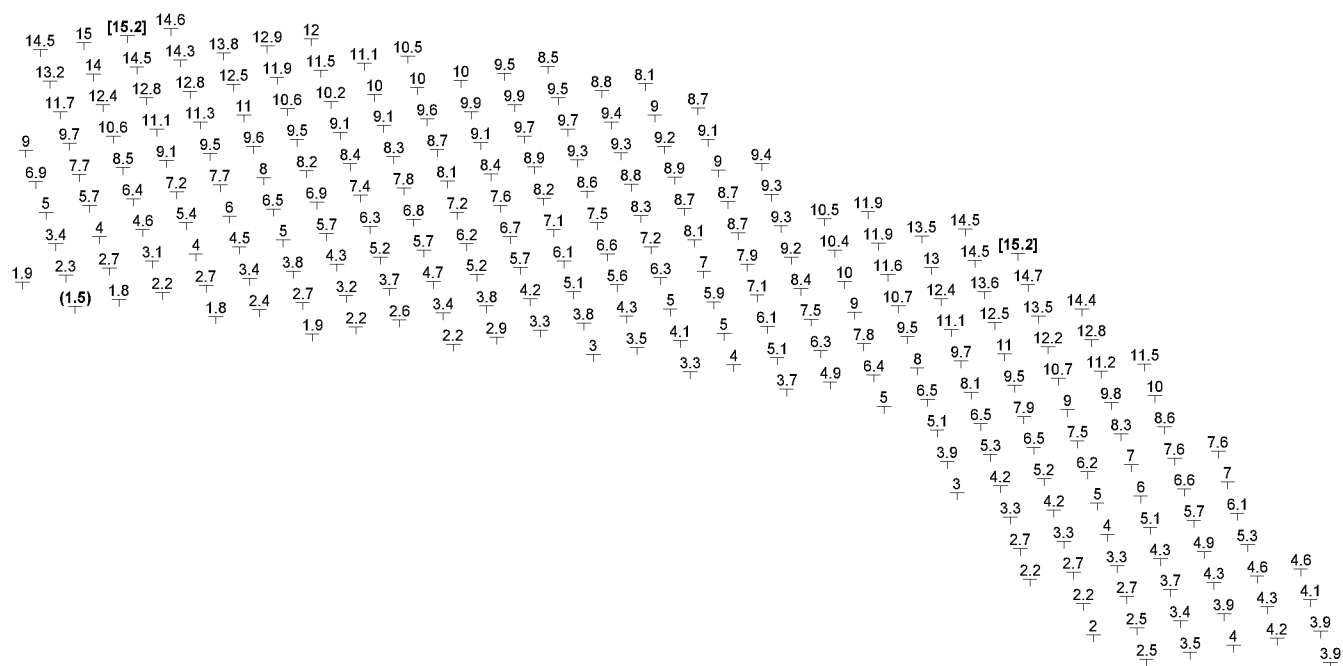


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022

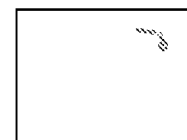


2.3 Calculation results, Exterior 1

2.3.7 Table, North Road 2 Part 3 (E)



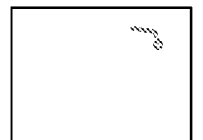
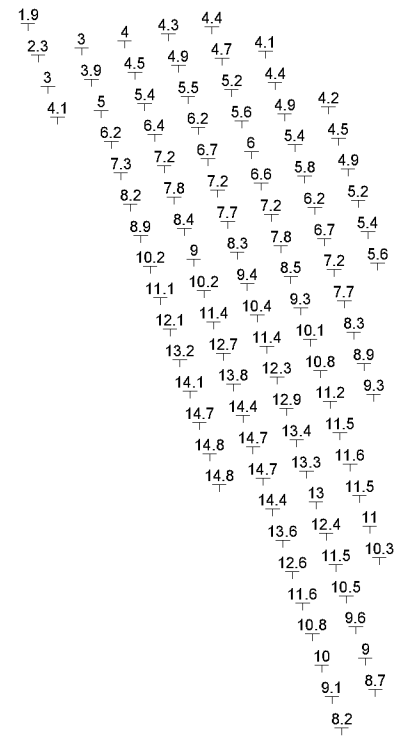
Part4





LUNEN
DESIGNERS

2.3.7 Table, North Road 2 Part 3 (E)

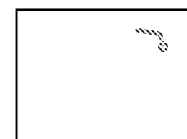
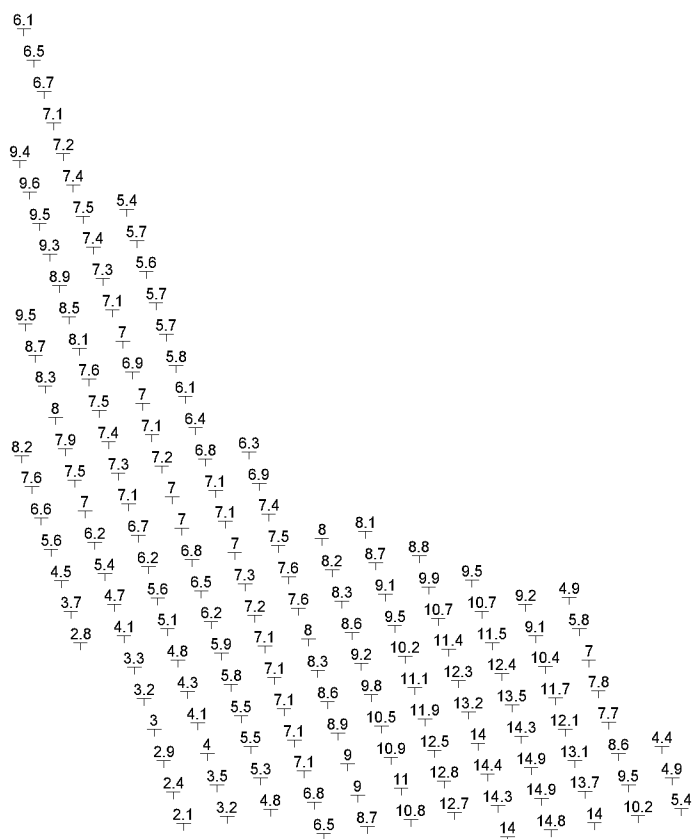


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.7 Table, North Road 2 Part 3 (E)



Part10



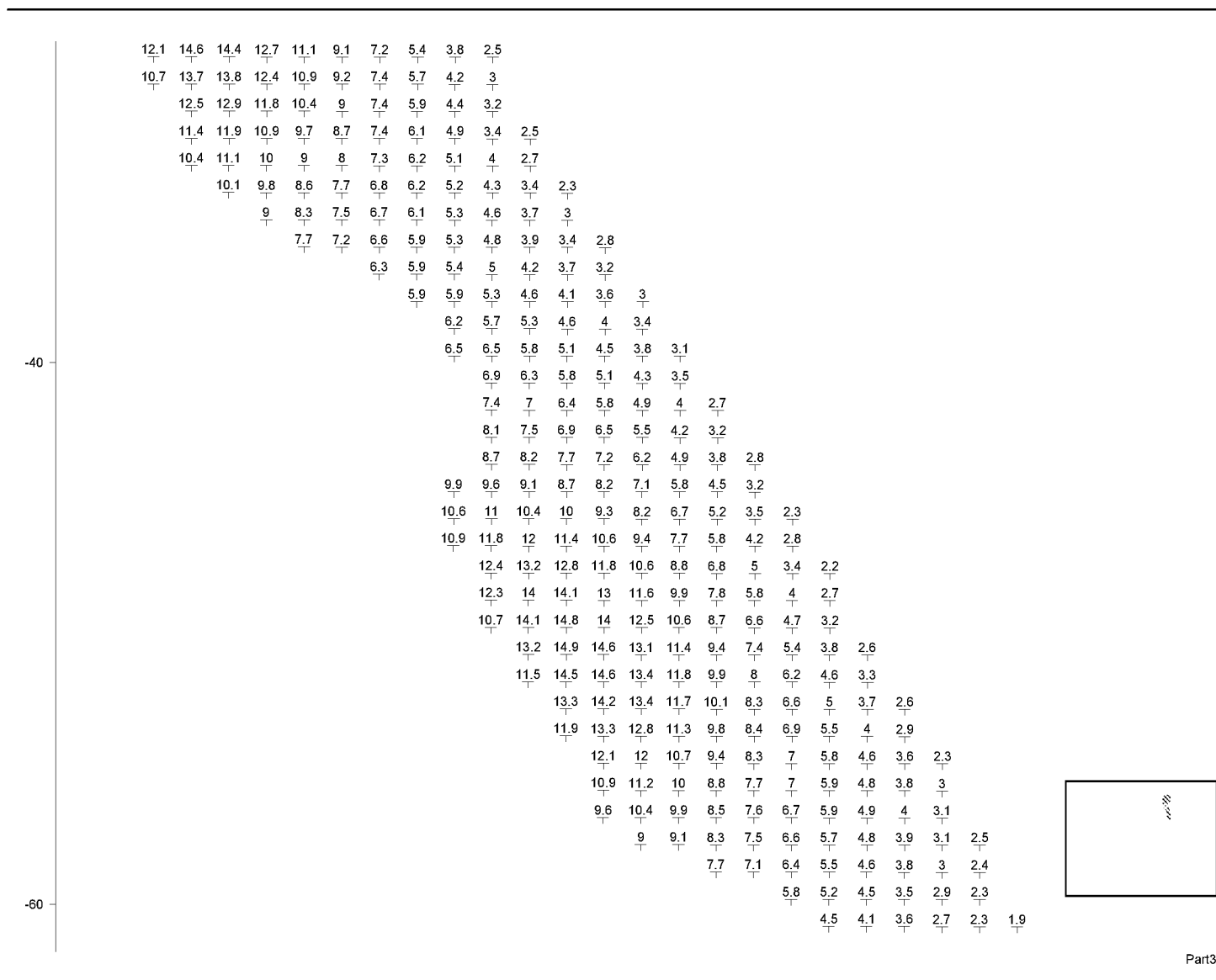
LUNEN
 DESIGNERS

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.8 Table, North Road 2 Part 4 (E)





LUNEN
 DESIGNERS



LUMEN
DESIGNERS

2.3.8 Table, North Road 2 Part 4 (E)

1.7		
2.1		
2.3		
2.4		
2.5	1.8	
3.1	1.9	
3.2	2.4	
3.1	2.4	
2.9	2.3	
2.6	2.2	1.8
2.4	2	1.7
2.2	1.9	(1.6)
2.2	1.9	1.7
2.5	2.1	1.9
2.8	2.5	2.2
3.3	3	2.6
4	3.5	3
		2.4

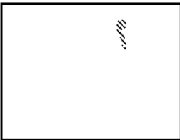
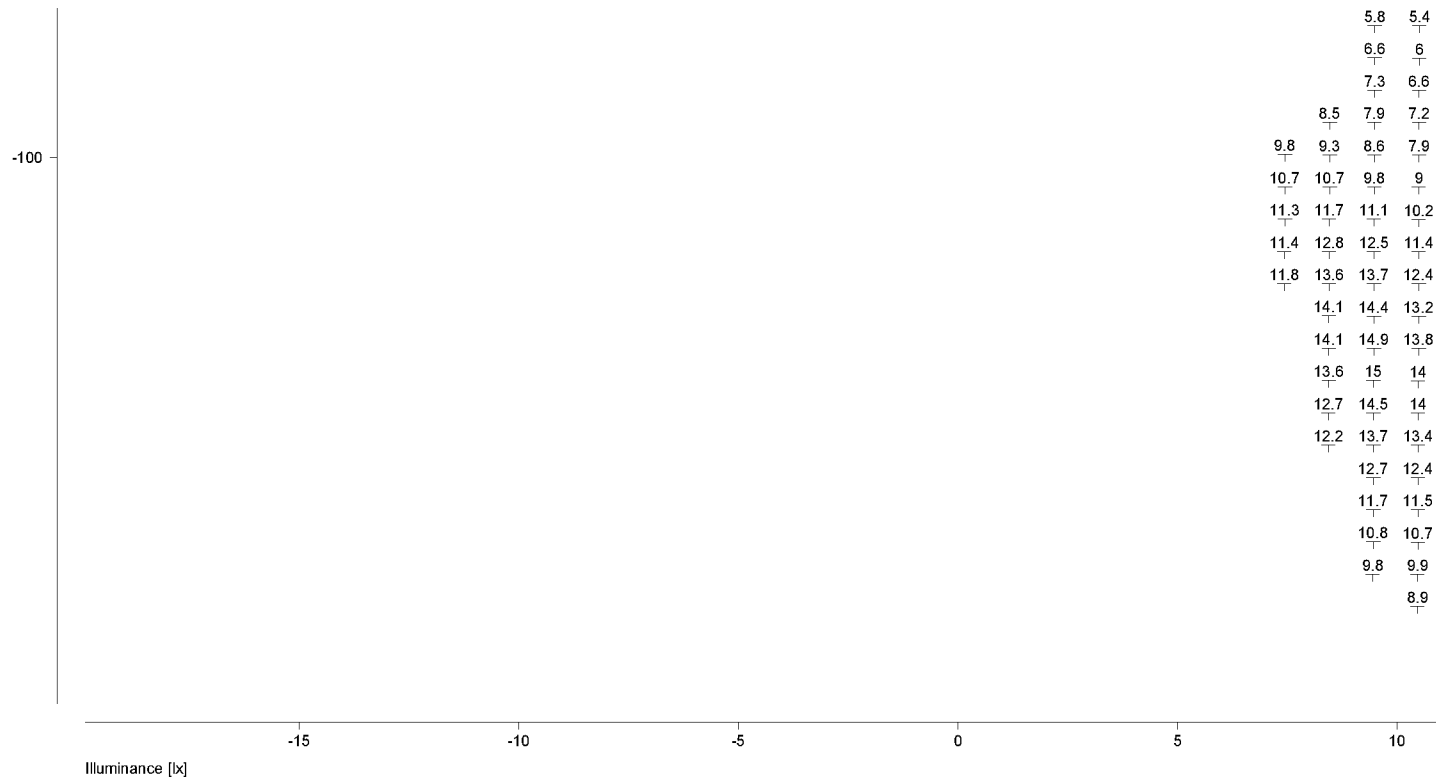
Part6

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.8 Table, North Road 2 Part 4 (E)



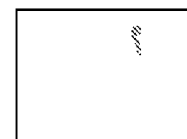
Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.8 Table, North Road 2 Part 4 (E)

4.7	4.1	3.4	2.7		
5.4	4.7	3.9	3		
6.1	5.2	4.3	2.9	2.1	
6.7	5.7	4.6	3.2	2.3	
7.4	6.3	5	3.6	2.6	
8.2	6.9	5.4	4	2.8	
9.1	7.6	6	4.4	2.8	
10.1	8.4	6.5	4.5	3	1.9
11	9.1	7	5	3.3	2.1
11.6	9.8	7.6	5.4	3.6	2.3
12.1	10.1	8	5.8	3.9	2.5
12.5	10.5	8.3	6.1	4.2	2.7
12.2	10.6	8.5	6.5	4.5	3
11.8	10.3	8.5	6.6	4.9	3.5
11.1	9.8	8.3	6.6	5	3.7
10.3	9.1	7.9	6.6	5.2	3.7
9.3	8.3	7.6	6.5	5.3	4.2
8.8	7.9	7	6.3	5.3	4.3
8.3	7.6	6.7	6.1	5.2	4.4
7.6	7.2	6.5	5.7	5.1	4.5
	6	5.5	4.9	4.6	4.7
	5.3	5.1			5
					15 [m]



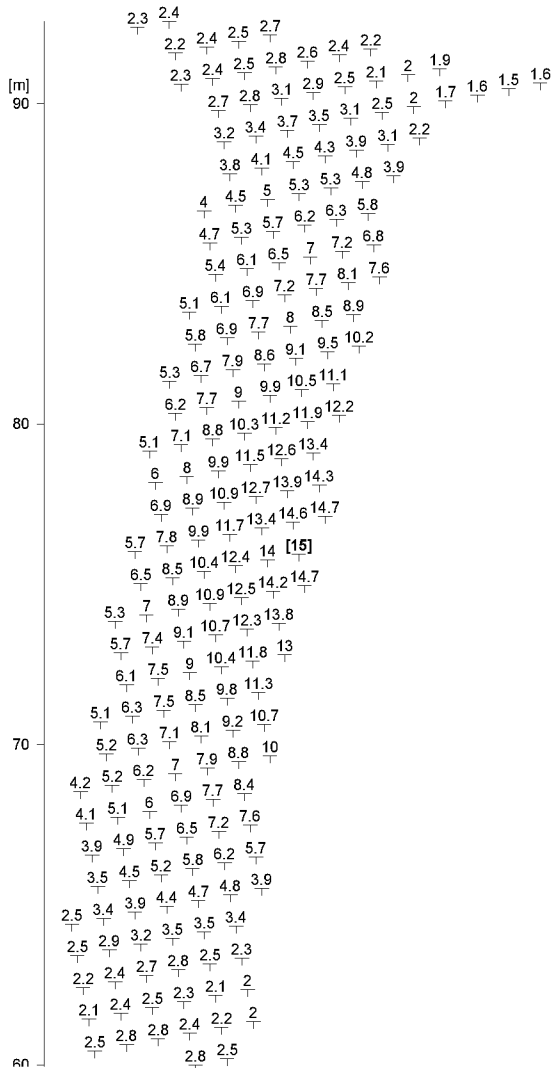
Part8

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.9 Table, North Road 2 Part 5 (E)

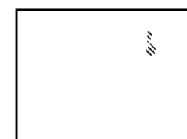
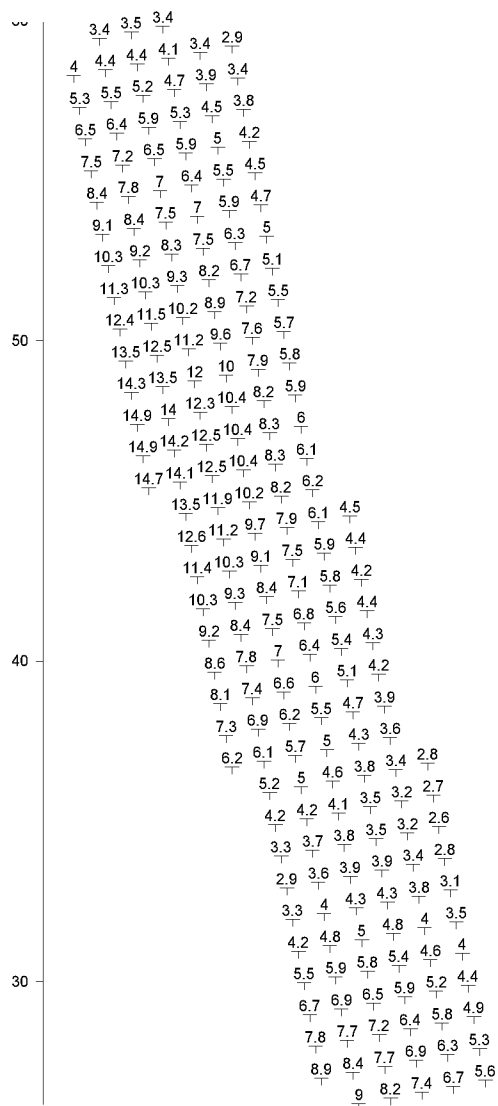


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.9 Table, North Road 2 Part 5 (E)



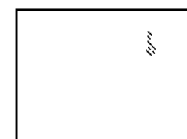
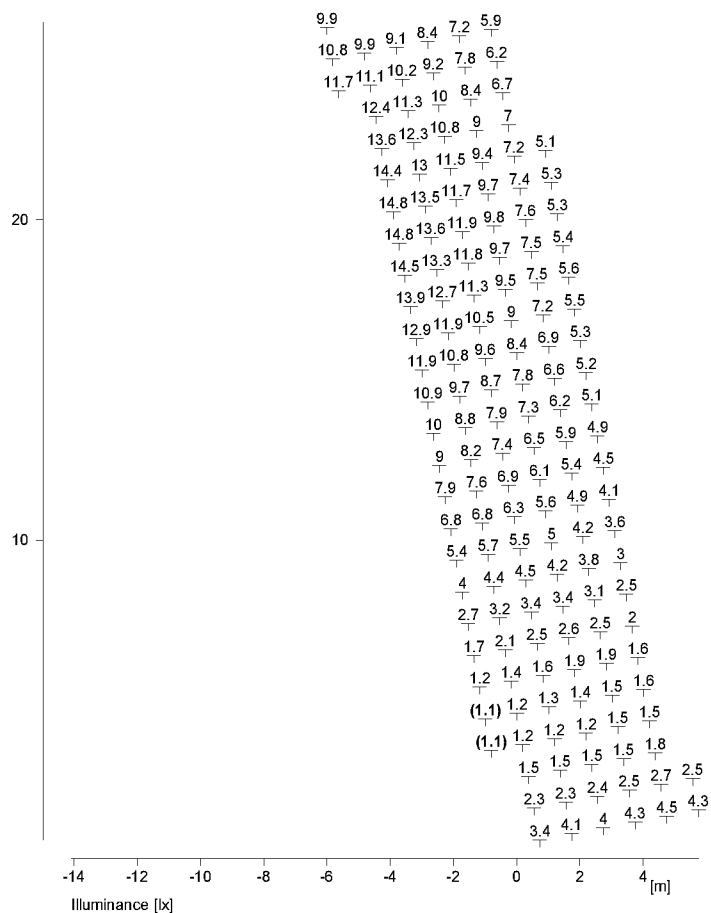
Part2

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.9 Table, North Road 2 Part 5 (E)

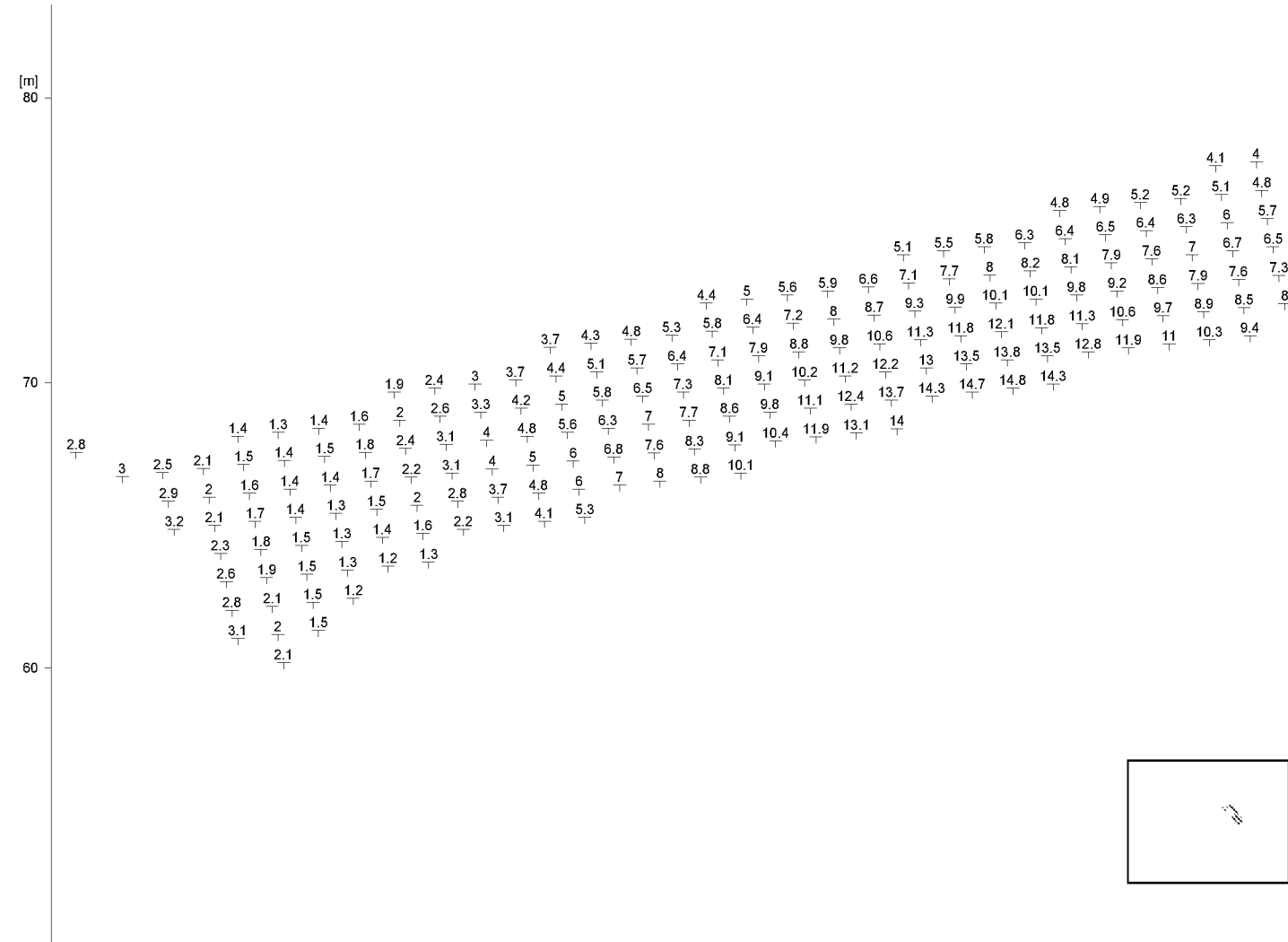


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.10 Table, North Road 3 (E)



Part1

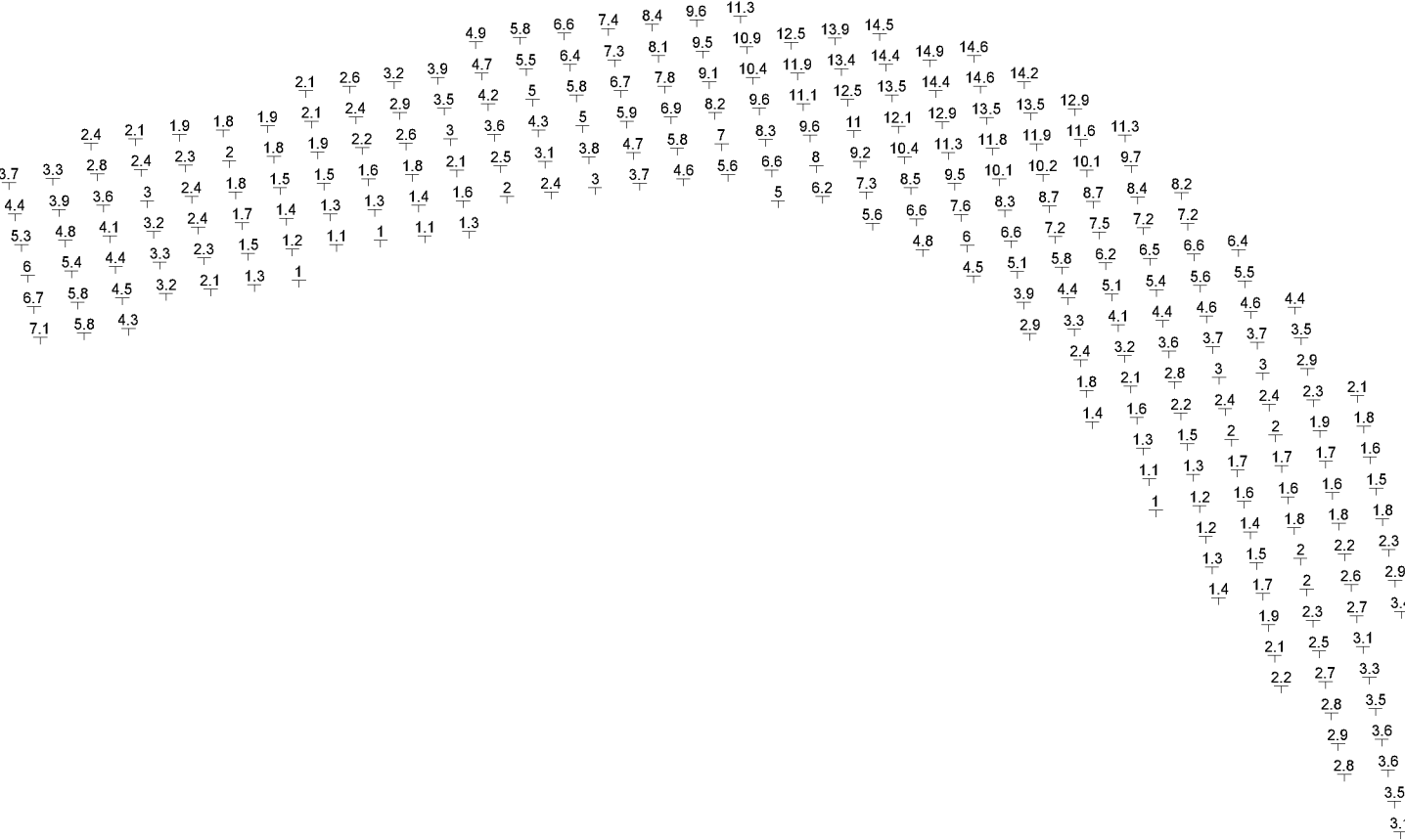
Height reference plane	: 0.01 m
Average illuminance	Em : 6.4 lx
Minimum illuminance	Emin : 0.9 lx
Maximum illuminance	Emax : 19.9 lx
Uniformity Uo	Emin/Em : 1 : 7.39 (0.14)
Diversity Ud	Emin/Emax : 1 : 22.87 (0.04)

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

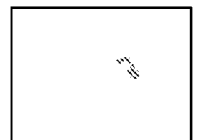
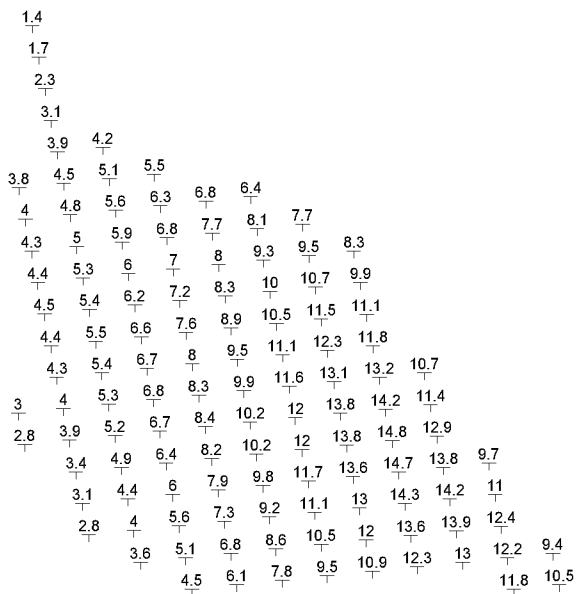
2.3.10 Table, North Road 3 (E)





LUNEN
 DESIGNERS

2.3.10 Table, North Road 3 (E)



Part3

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.10 Table, North Road 3 (E)

				5	5.7
				5	5.7
				5.8	6.2
3.7	4.4	5.1	5.8	6.2	6.9
					Part5

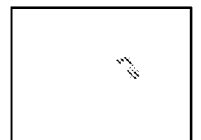
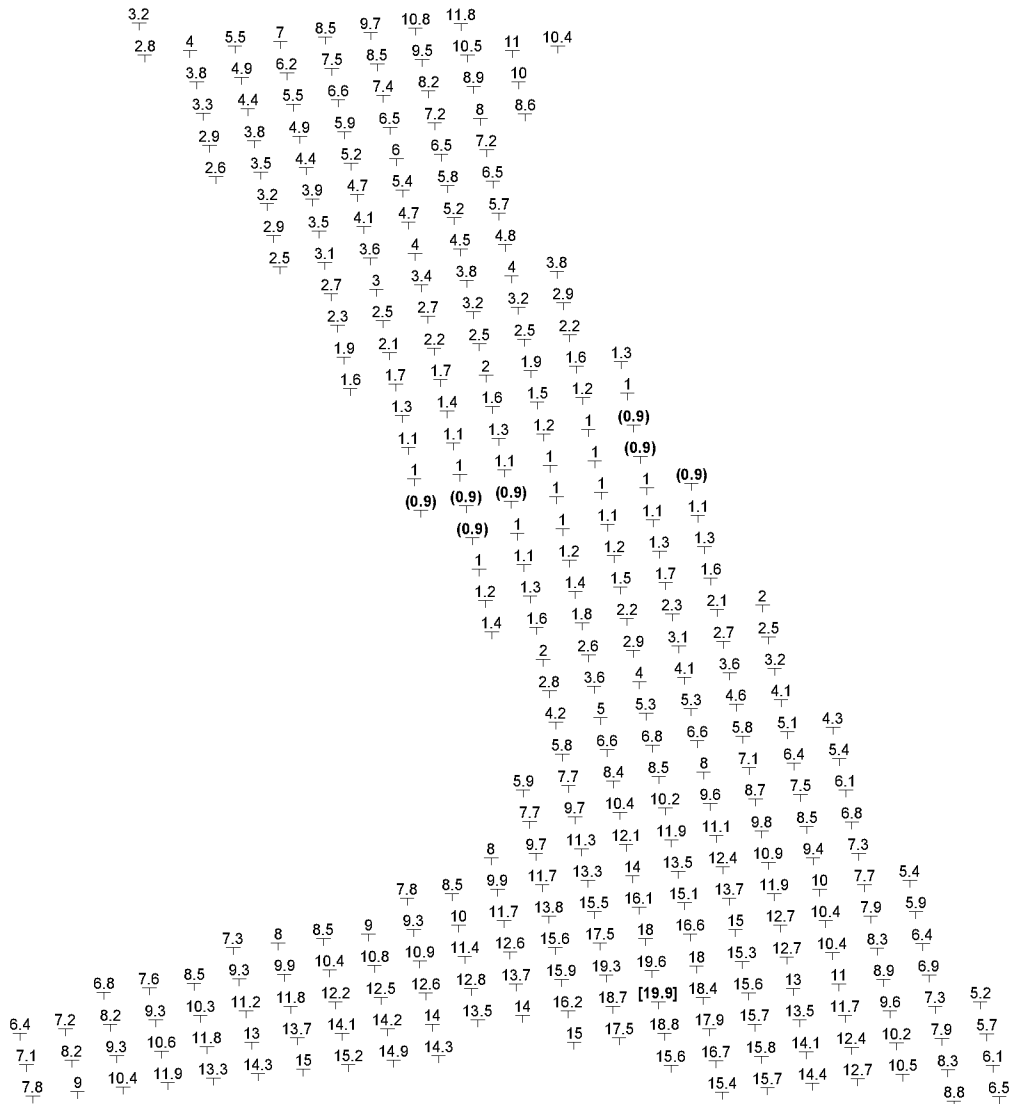


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.10 Table, North Road 3 (E)



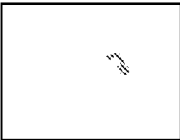
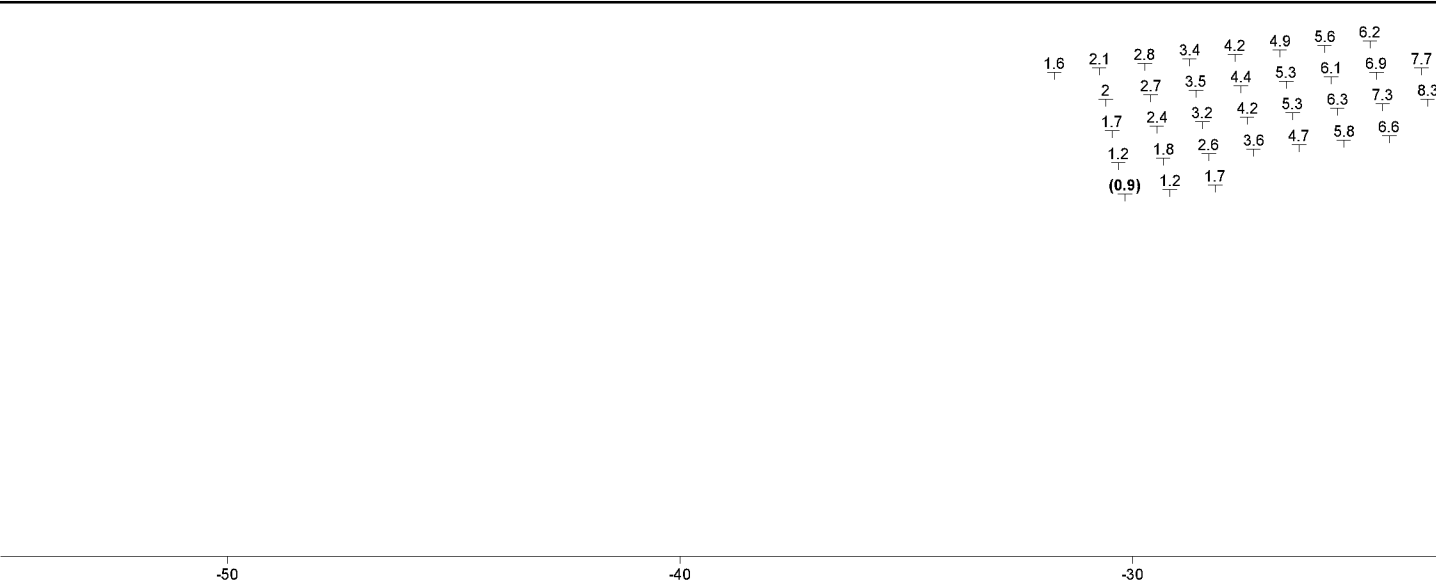
Part6

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.10 Table, North Road 3 (E)





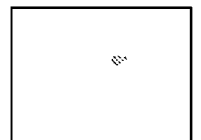
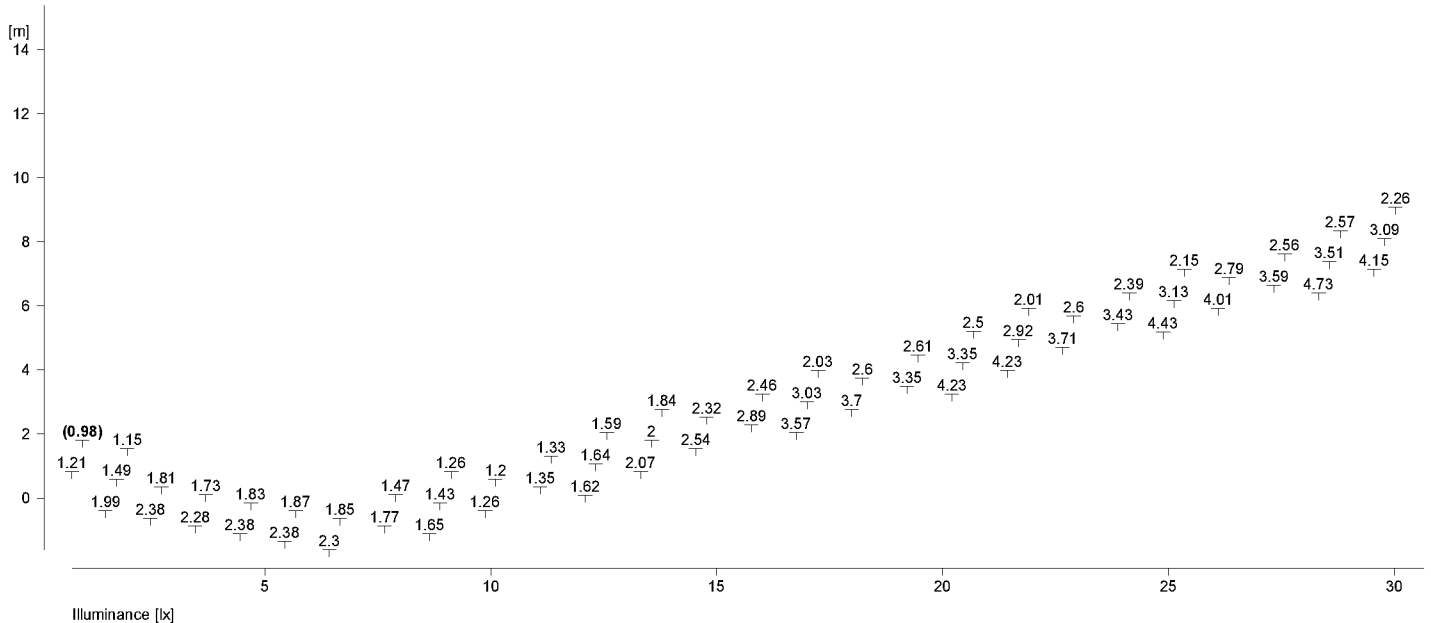
LUMEN
DESIGNERS

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.11 Table, North Road 3 Pavement (E)



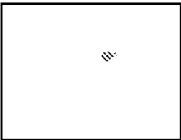
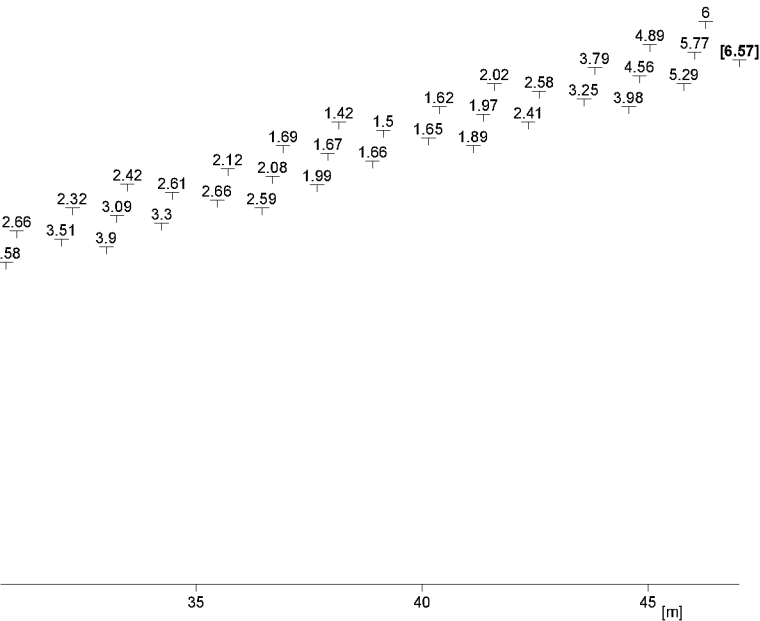
Part1

Height reference plane	: 0.01 m
Average illuminance	Em : 2.64 lx
Minimum illuminance	Emin : 0.98 lx
Maximum illuminance	Emax : 6.57 lx
Uniformity Uo	Emin/Em : 1 : 2.71 (0.37)
Diversity Ud	Emin/Emax : 1 : 6.73 (0.15)

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.11 Table, North Road 3 Pavement (E)

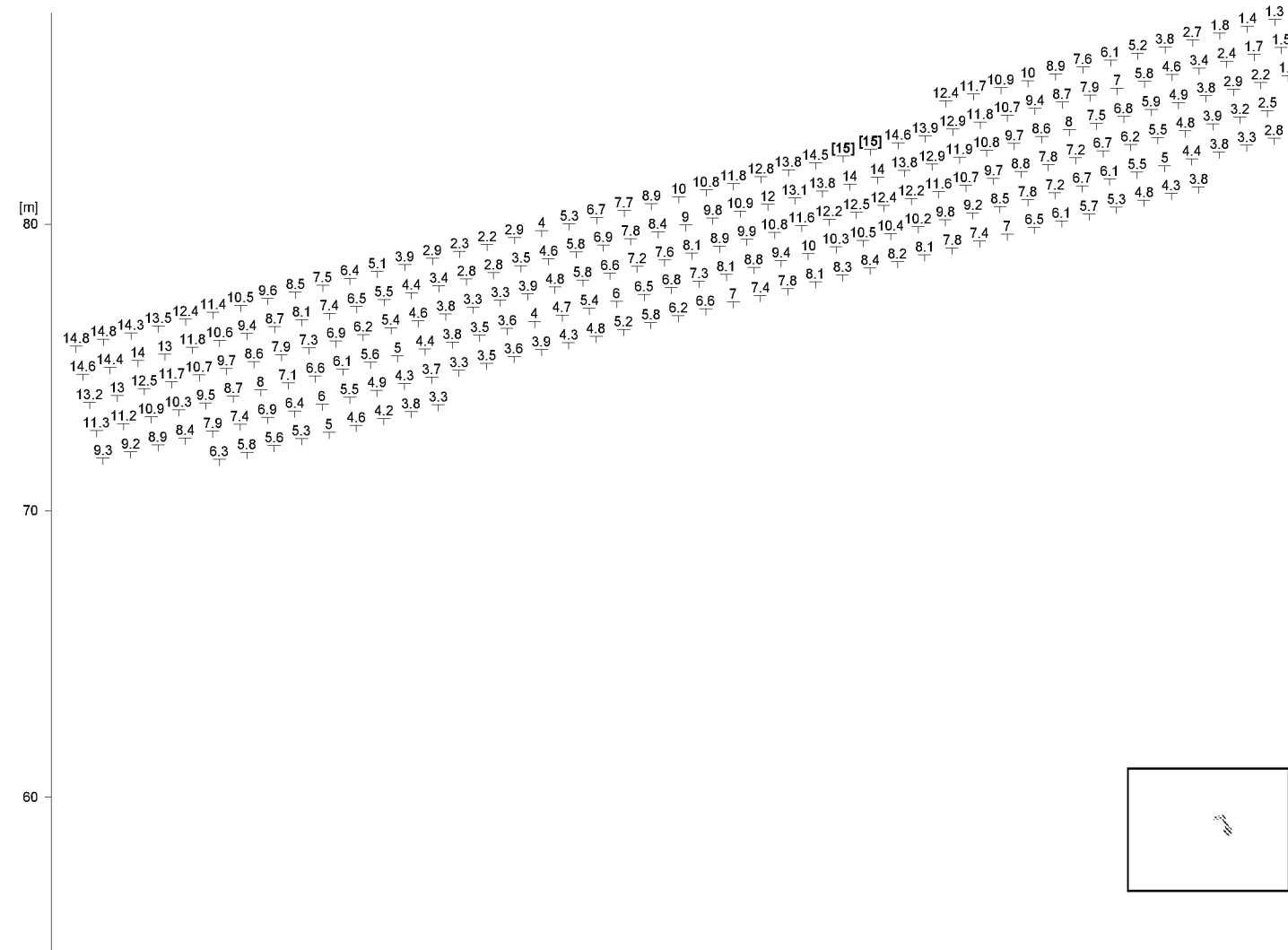


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.12 Table, North Road 4 (E)



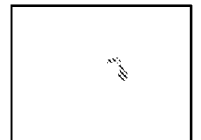
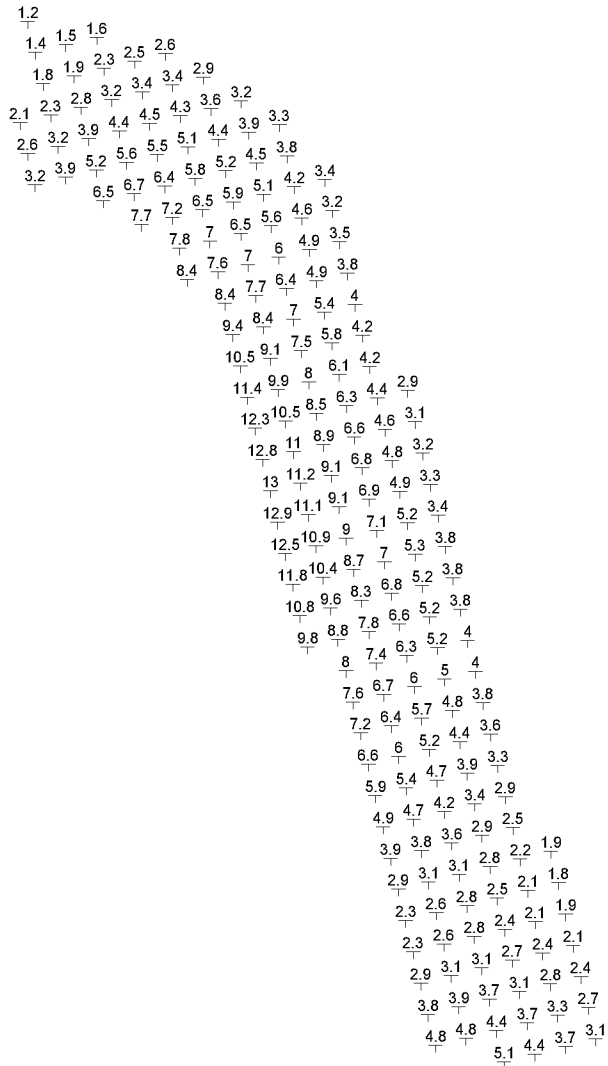
Part1

Height reference plane	: 0.01 m
Average illuminance	Em : 5.9 lx
Minimum illuminance	Emin : 1 lx
Maximum illuminance	Emax : 15 lx
Uniformity Uo	Emin/Em : 1 : 6.15 (0.16)
Diversity Ud	Emin/Emax : 1 : 15.56 (0.06)



LUNEN
 DESIGNERS

2.3.12 Table, North Road 4 (E)



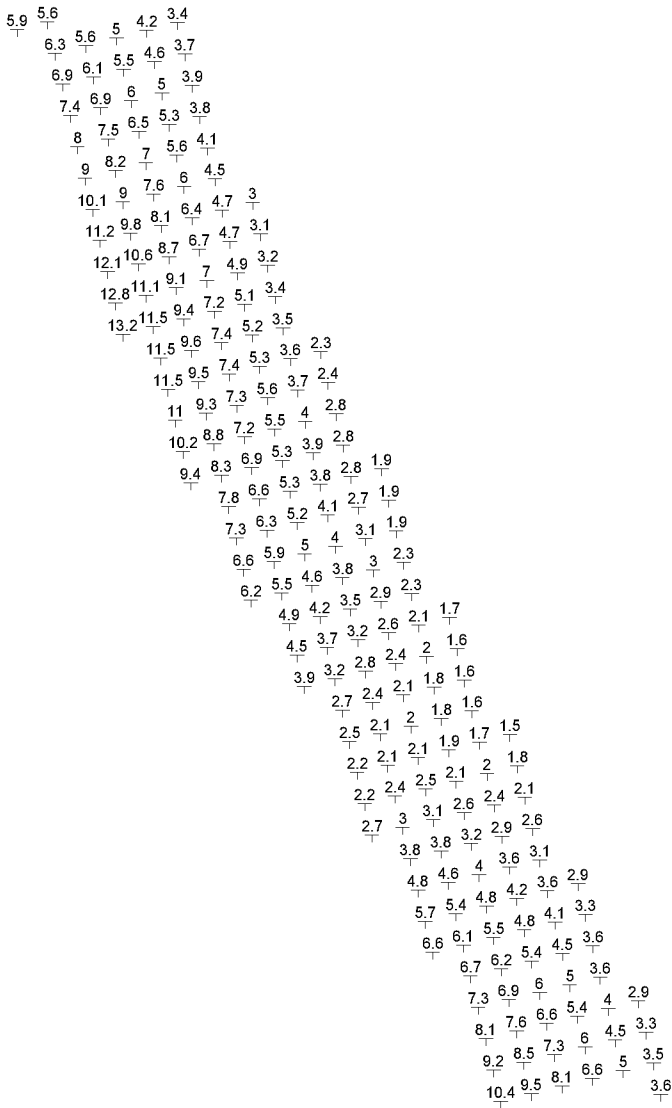
Part2

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.12 Table, North Road 4 (E)

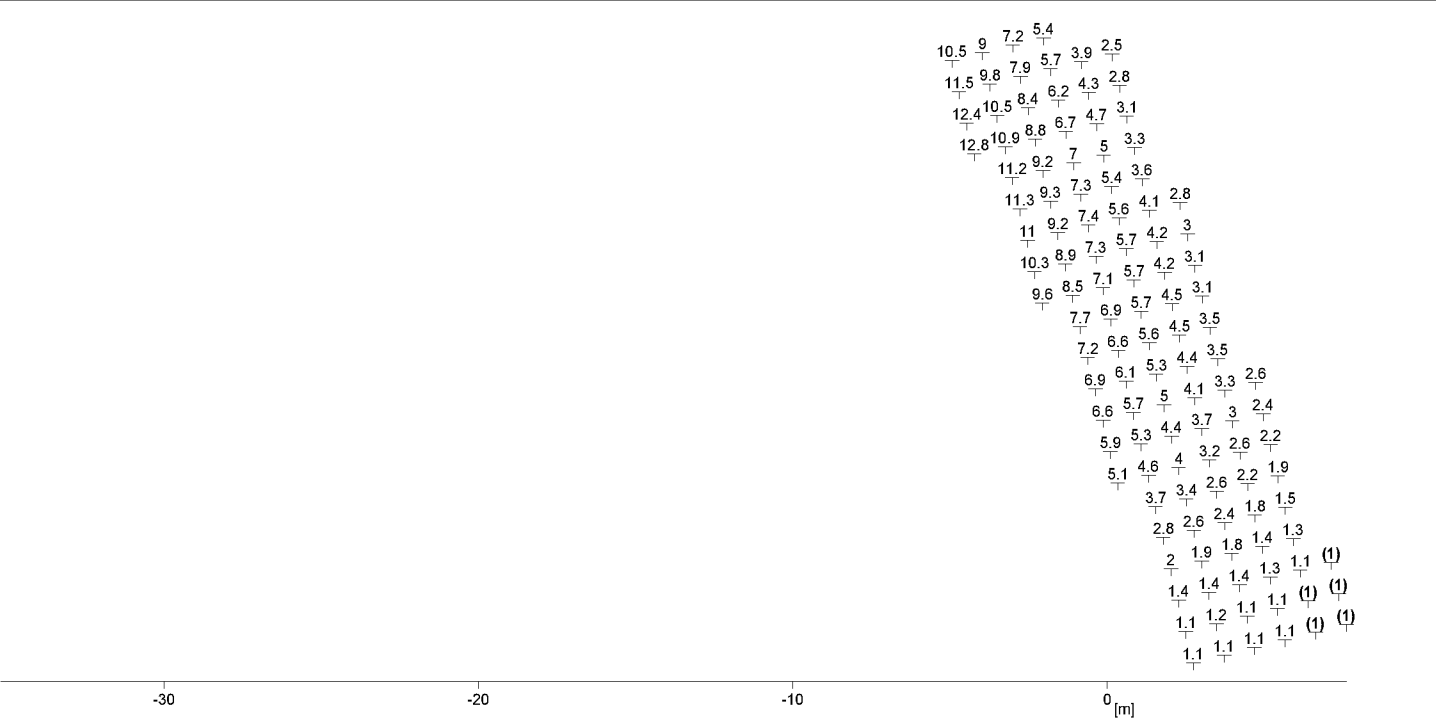


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.12 Table, North Road 4 (E)

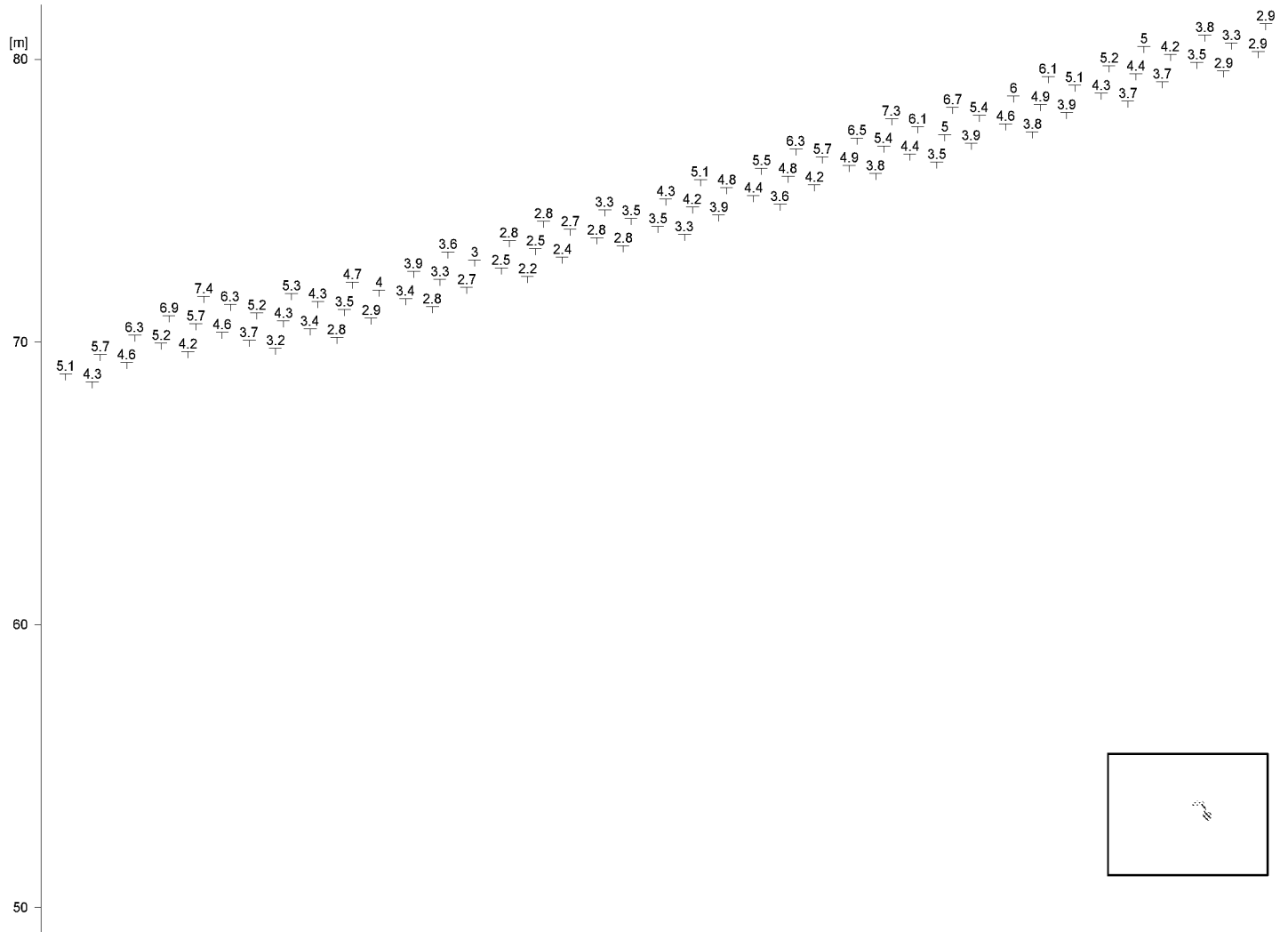


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.13 Table, North Road 4 Pavement (E)



Part1

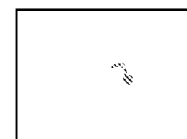
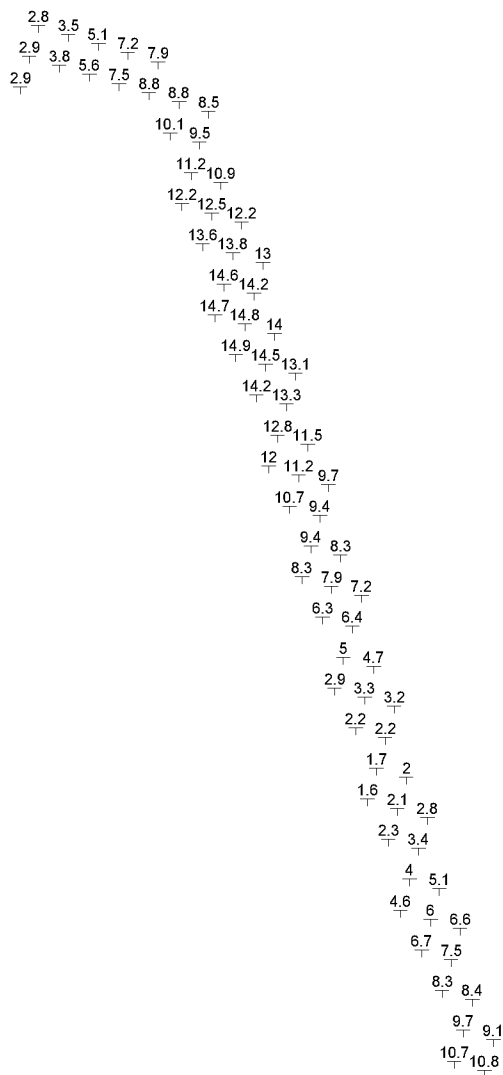
Height reference plane	: 0.01 m
Average illuminance	Em : 6.9 lx
Minimum illuminance	Emin : 1.1 lx
Maximum illuminance	Emax : 15 lx
Uniformity Uo	Emin/Em : 1 : 6.33 (0.16)
Diversity Ud	Emin/Emax : 1 : 13.72 (0.07)

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.13 Table, North Road 4 Pavement (E)

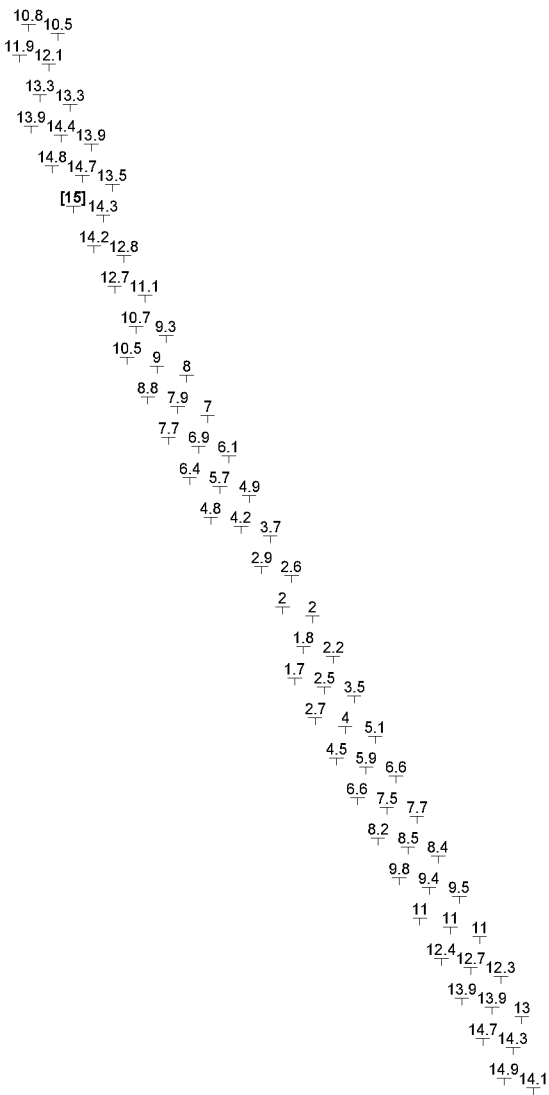


Part2



2.3 Calculation results, Exterior 1

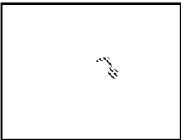
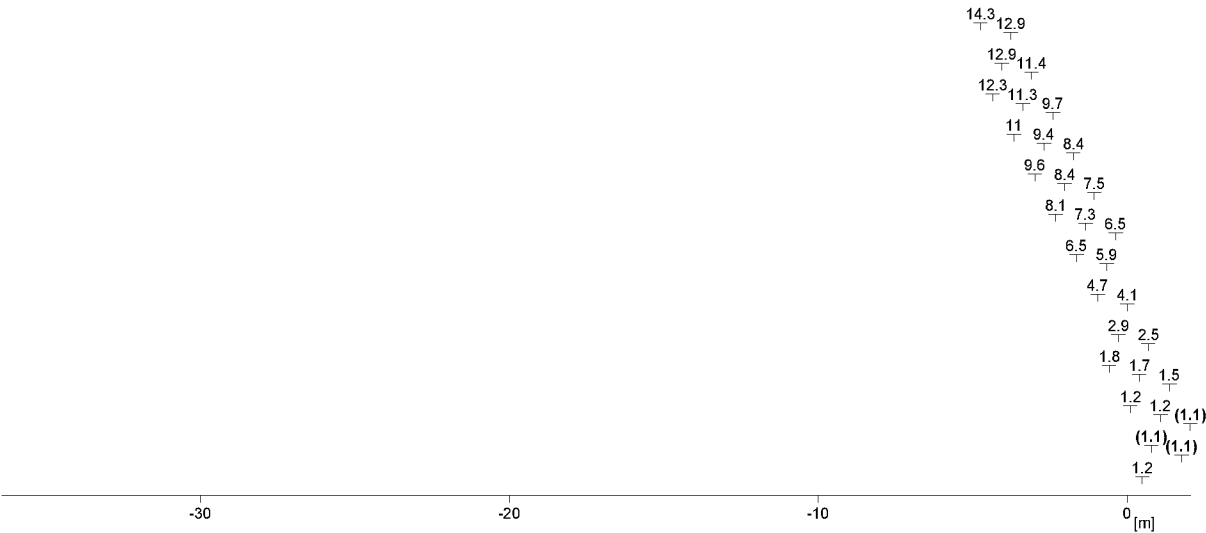
2.3.13 Table, North Road 4 Pavement (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.13 Table, North Road 4 Pavement (E)

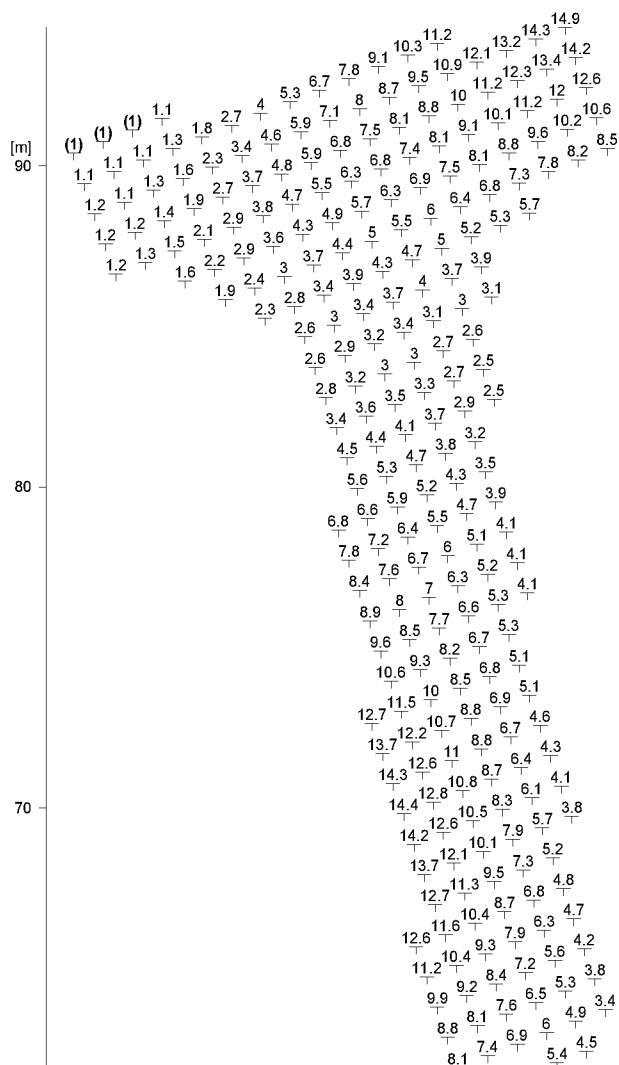


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.14 Table, North Road 5 Part 1 (E)



Part1

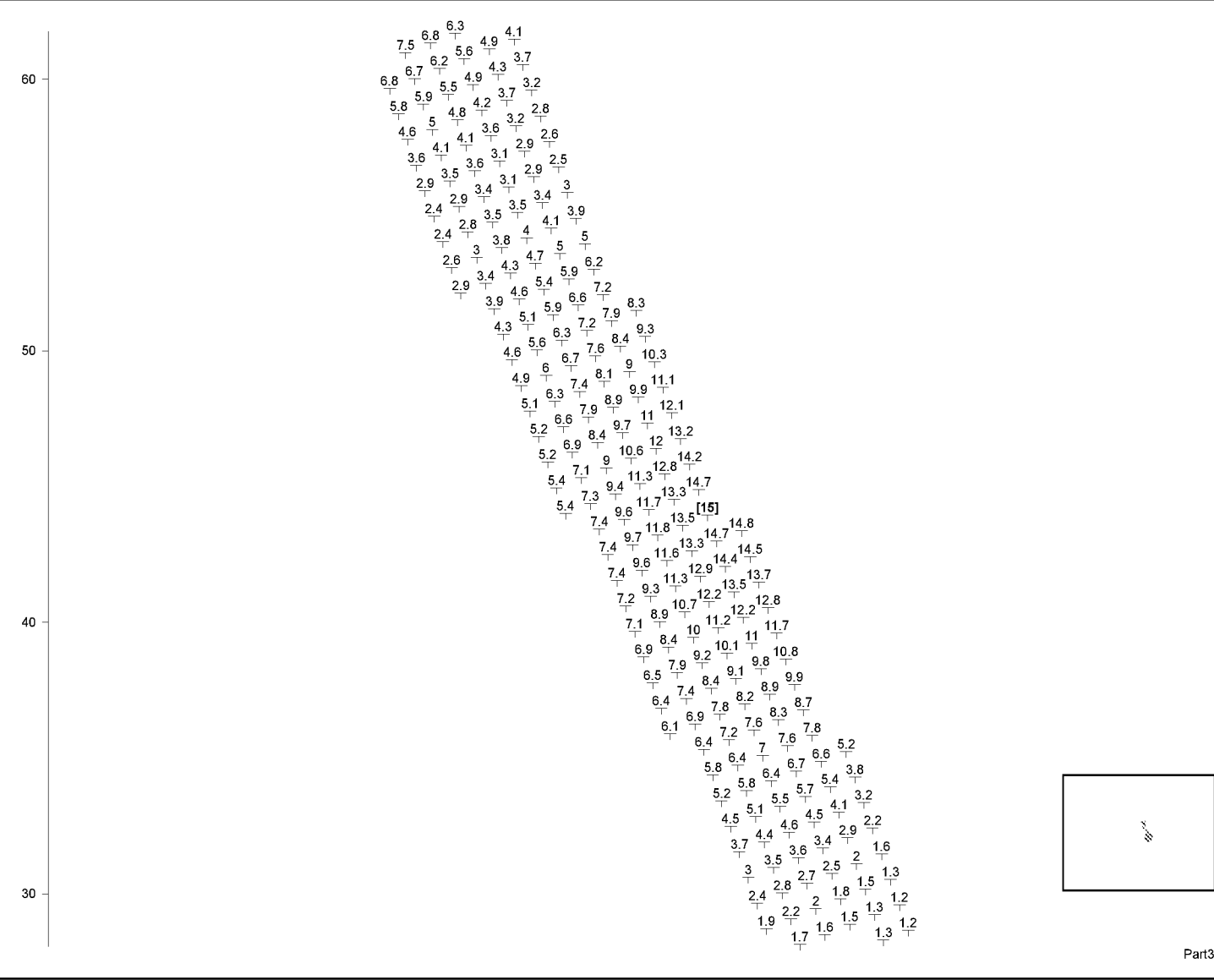
Height reference plane	: 0.01 m
Average illuminance	Em : 6.5 lx
Minimum illuminance	Emin : 1 lx
Maximum illuminance	Emax : 15 lx
Uniformity Uo	Emin/Em : 1 : 6.52 (0.15)
Diversity Ud	Emin/Emax : 1 : 15.04 (0.07)

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.14 Table, North Road 5 Part 1 (E)

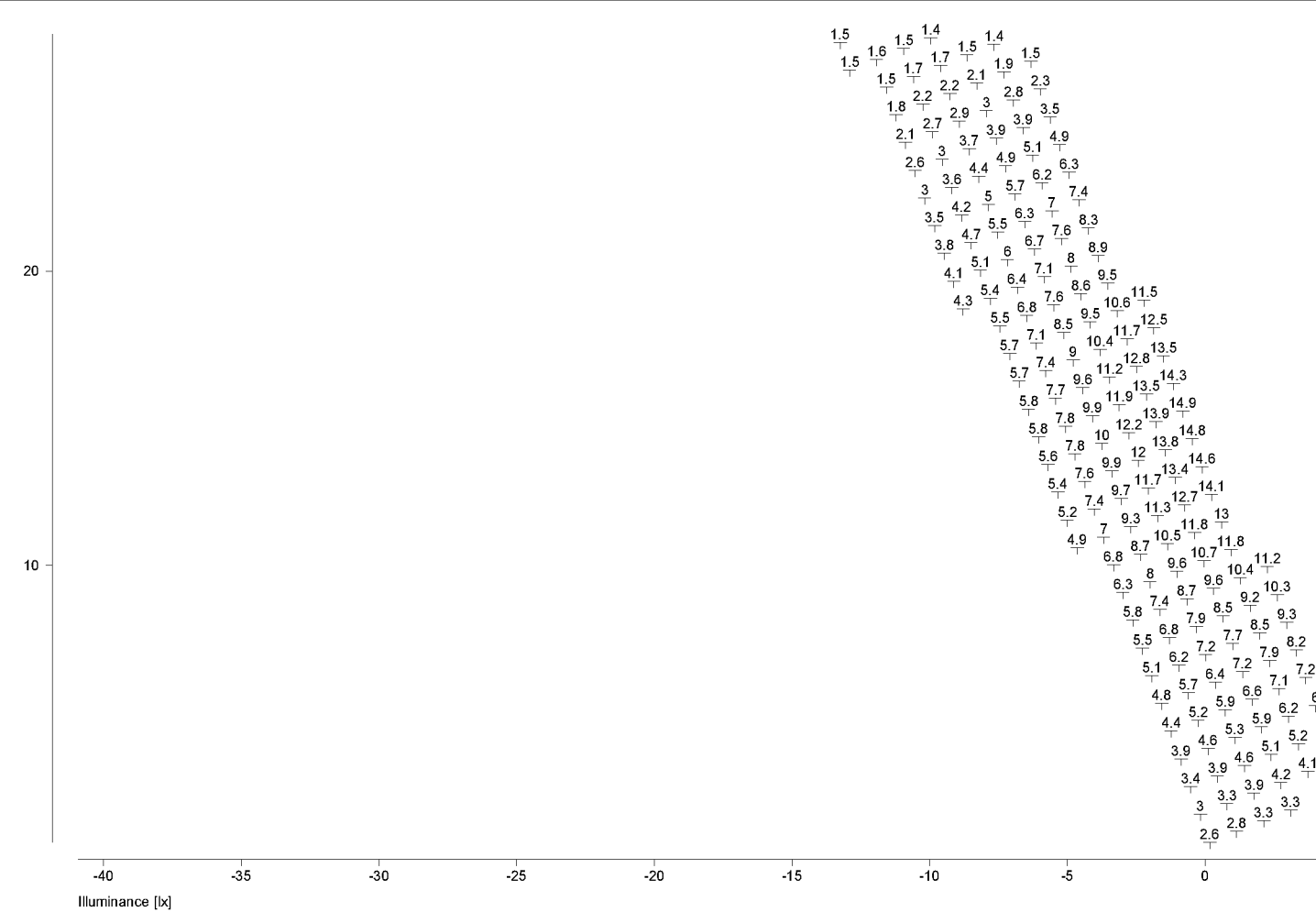


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

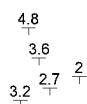
2.3.14 Table, North Road 5 Part 1 (E)



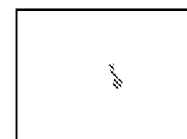


LUMEN
DESIGNERS

2.3.14 Table, North Road 5 Part 1 (E)



5 [m]



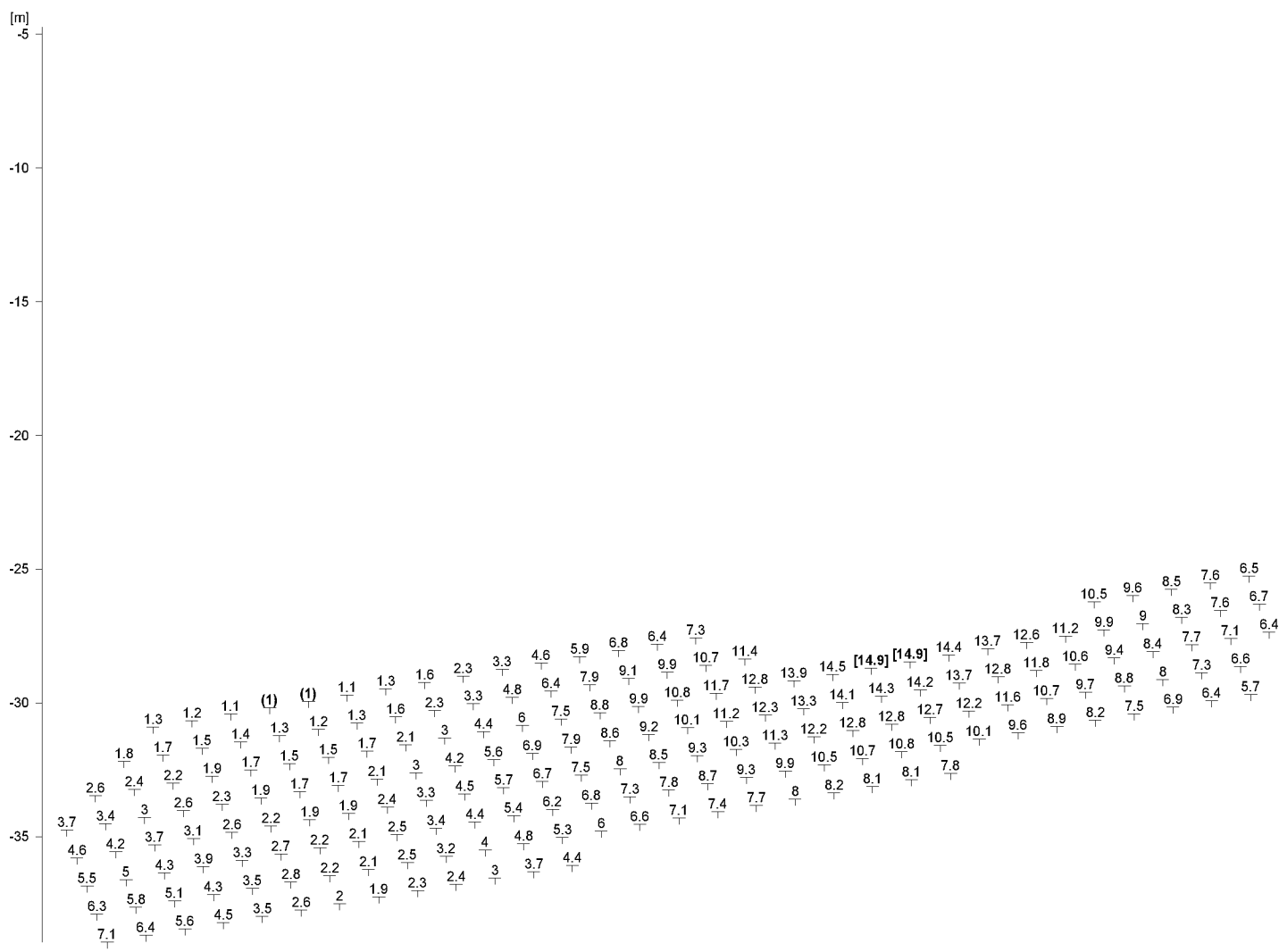
The Lumen Architect - Building Better Light!

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



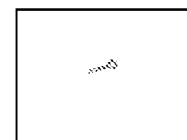
2.3 Calculation results, Exterior 1

2.3.15 Table, North Road 5 Part 2 (E)



Part1

Height reference plane	: 0.01 m
Average illuminance	Em : 6.4 lx
Minimum illuminance	Emin : 1 lx
Maximum illuminance	Emax : 14.9 lx
Uniformity Uo	Emin/Em : 1 : 6.39 (0.16)
Diversity Ud	Emin/Emax : 1 : 14.82 (0.07)

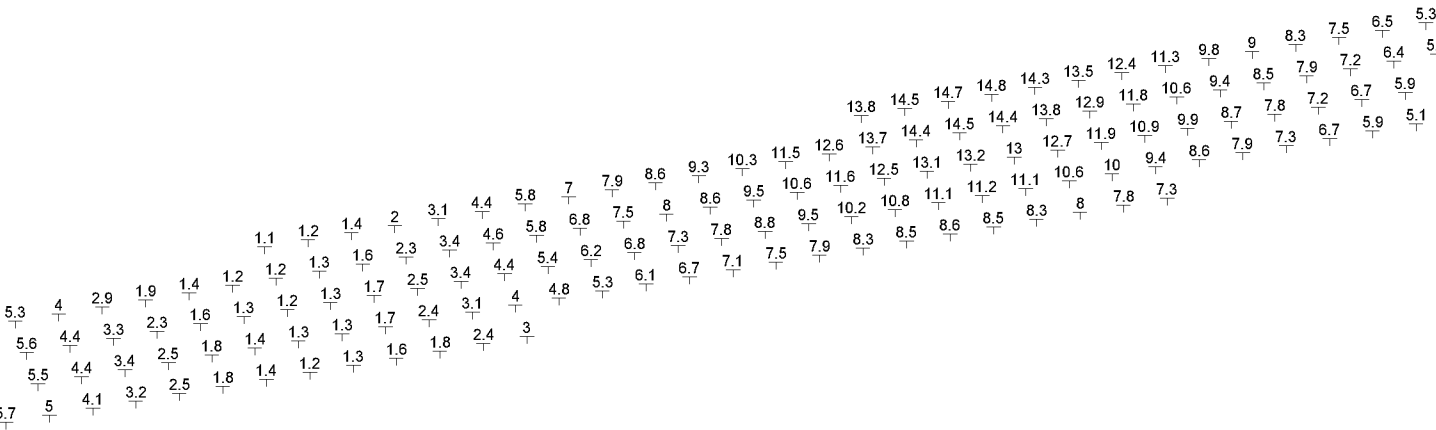


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.15 Table, North Road 5 Part 2 (E)

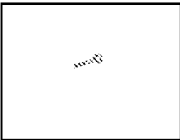
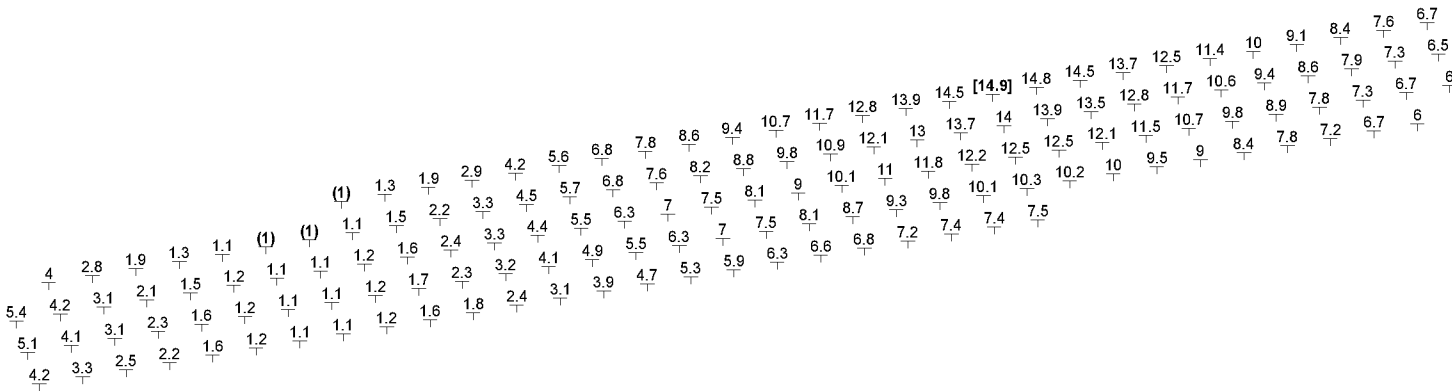


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.15 Table, North Road 5 Part 2 (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.15 Table, North Road 5 Part 2 (E)

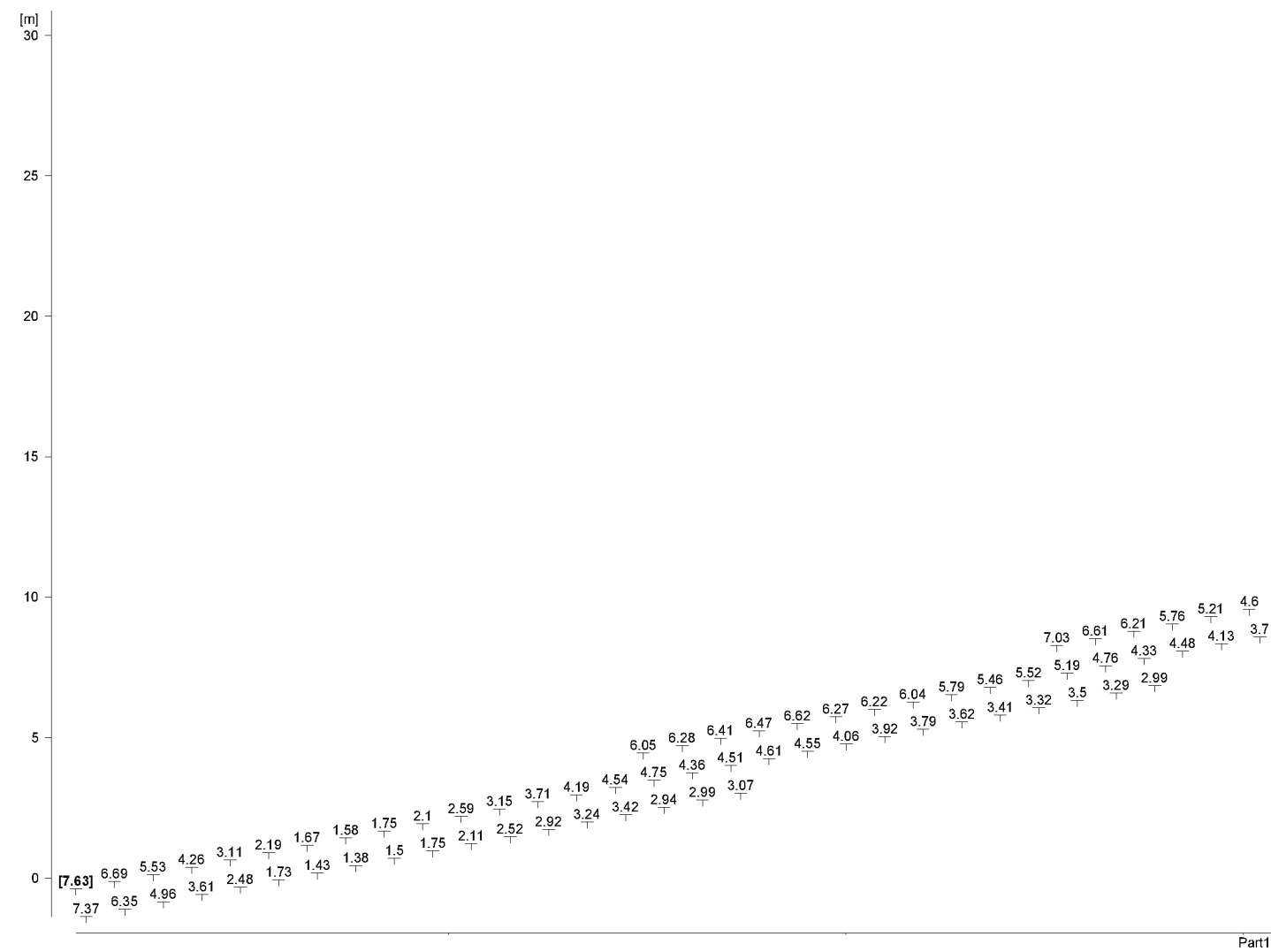
5.4	4.1	2.9	1.9	1.3	1.1
5.5	4.3	3.2	2.2	1.5	1.2
5.2	4.2	3.2	2.3	1.6	1.3
5.2	4.3	3.4	3	2.3	1.7



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.16 Table, North Road 5 Part 2 Pavement (E)



Part1

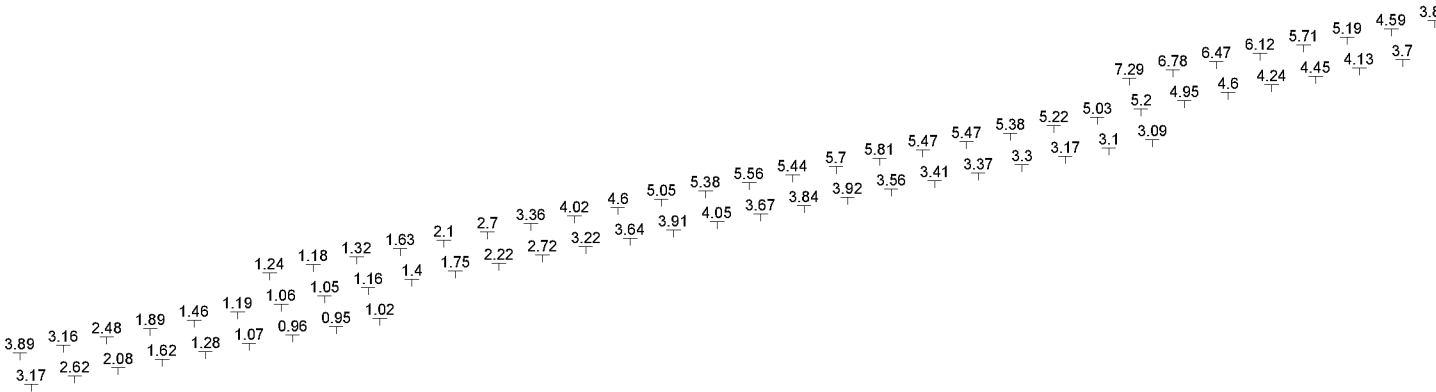
Height reference plane	: 0.01 m
Average illuminance	Em : 3.57 lx
Minimum illuminance	Emin : 0.87 lx
Maximum illuminance	Emax : 7.63 lx
Uniformity Uo	Emin/Em : 1 : 4.12 (0.24)
Diversity Ud	Emin/Emax : 1 : 8.80 (0.11)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.16 Table, North Road 5 Part 2 Pavement (E)



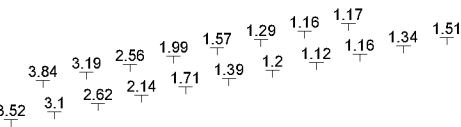


LUMEN
DESIGNERS

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.16 Table, North Road 5 Part 2 Pavement (E)

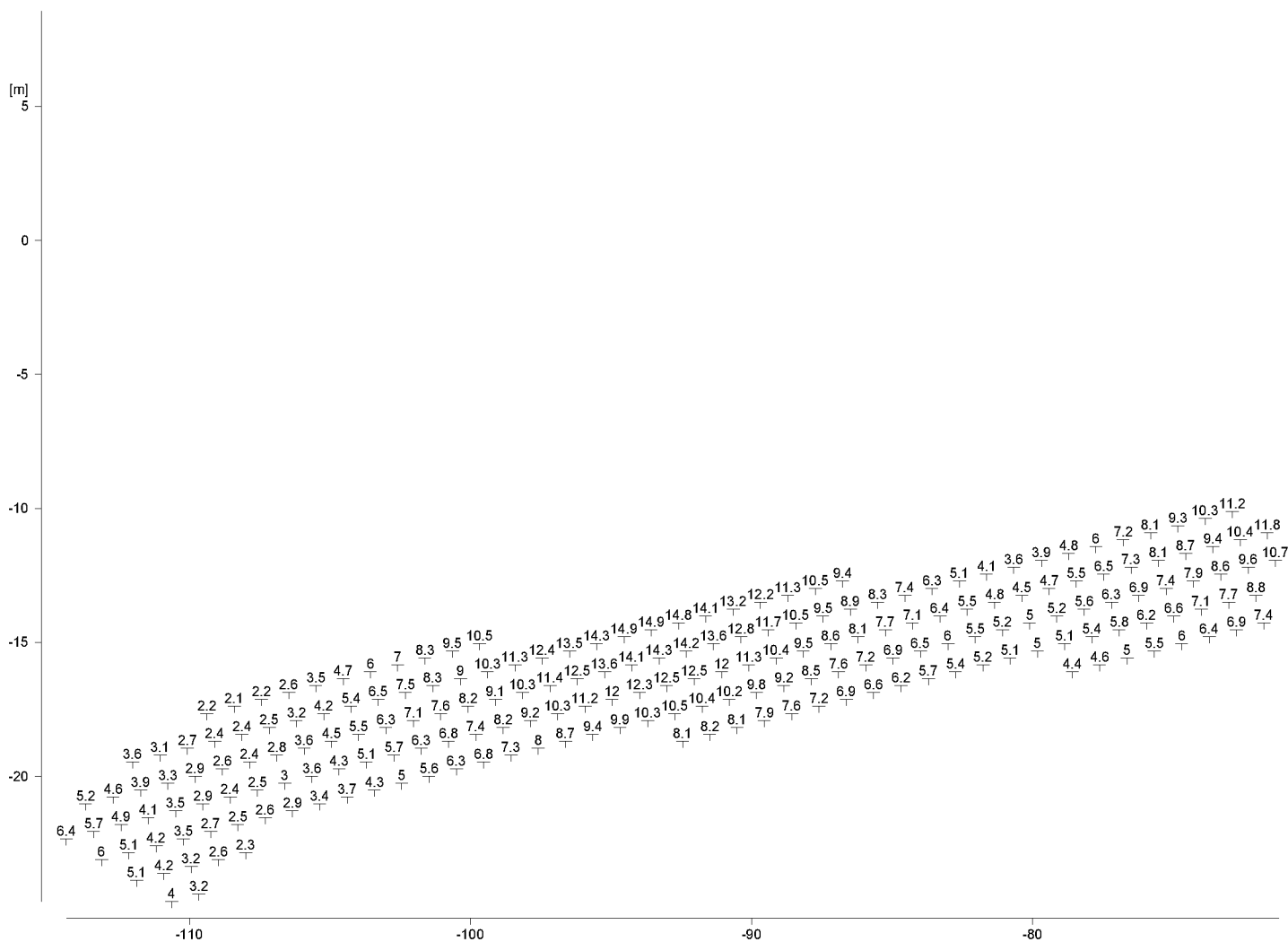


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022

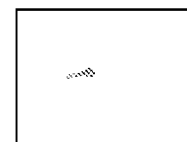


2.3 Calculation results, Exterior 1

2.3.17 Table, North Road 5 Part 3 (E)



Height reference plane	: 0.01 m
Average illuminance	Em : 6.8 lx
Minimum illuminance	Emin : 1 lx
Maximum illuminance	Emax : 15 lx
Uniformity Uo	Emin/Em : 1 : 7.10 (0.14)
Diversity Ud	Emin/Emax : 1 : 15.77 (0.06)





LUMEN
DESIGNERS

2.3.17 Table, North Road 5 Part 3 (E)

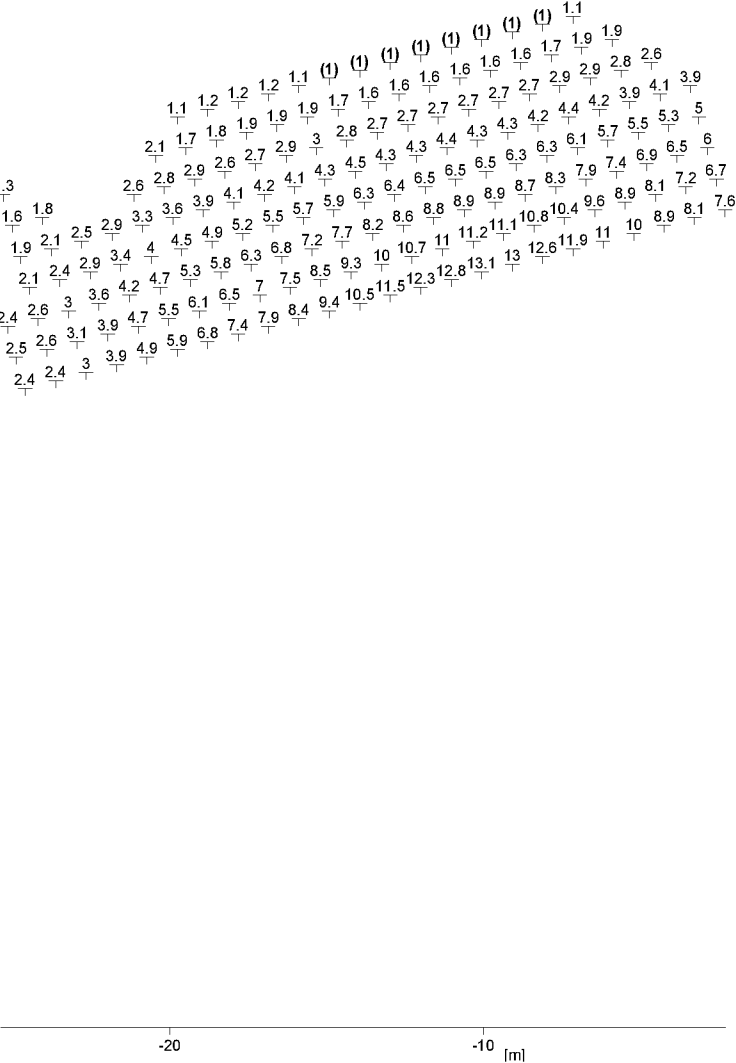


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.17 Table, North Road 5 Part 3 (E)

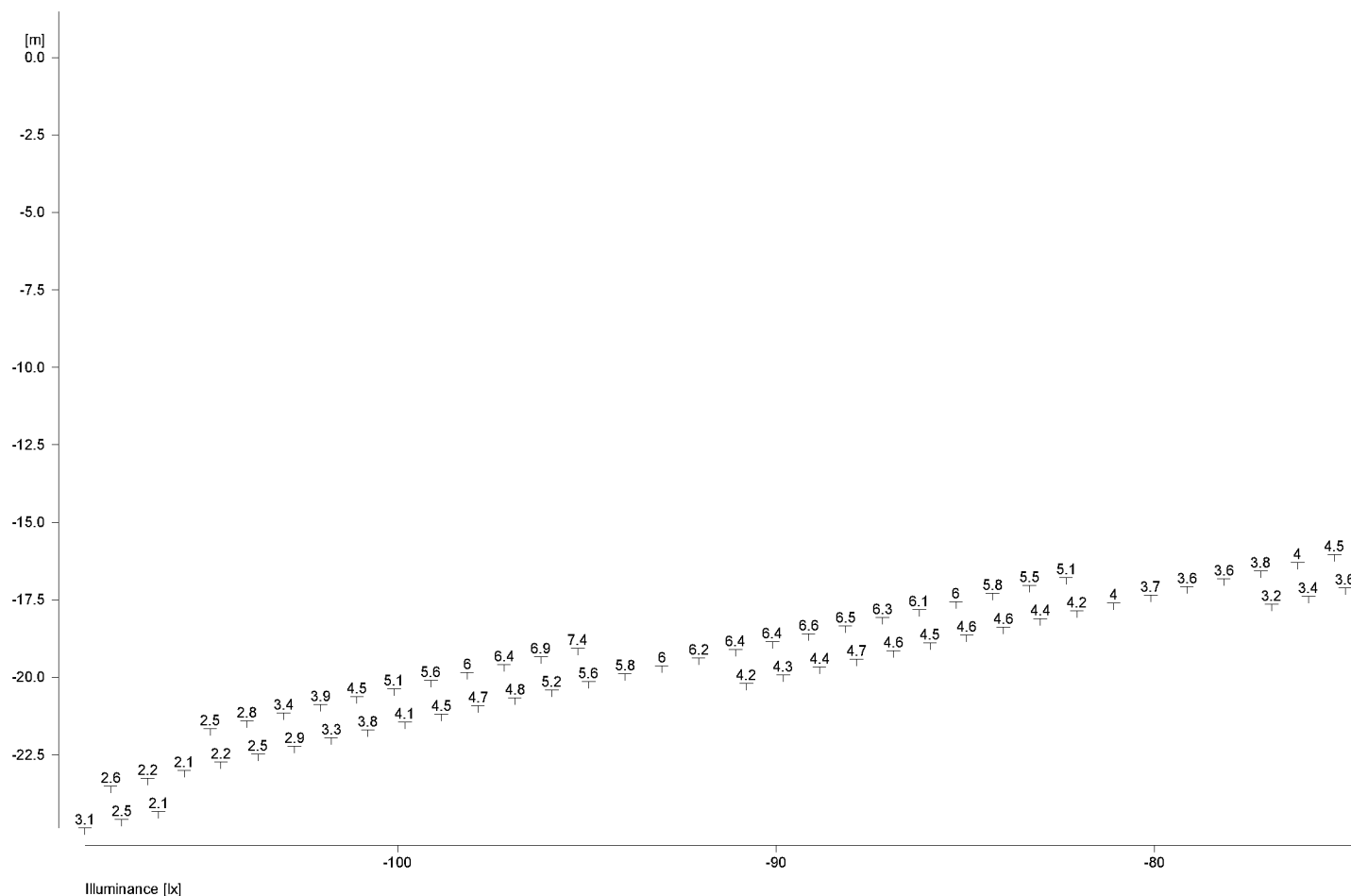


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



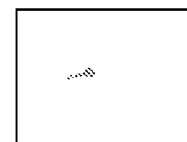
2.3 Calculation results, Exterior 1

2.3.18 Table, North Road 5 Part 3 Pavement (E)



Part1

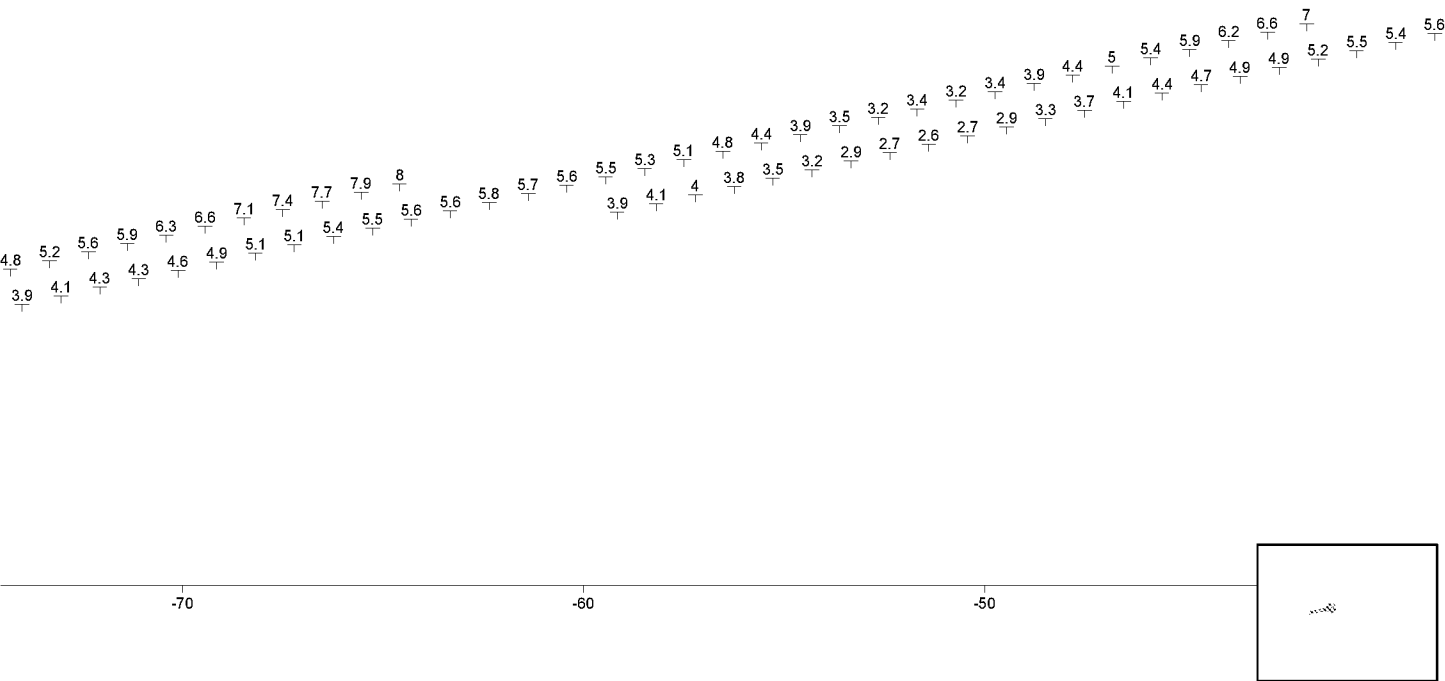
Height reference plane	: 0.01 m
Average illuminance	Em : 5.7 lx
Minimum illuminance	Emin : 1.7 lx
Maximum illuminance	Emax : 14.7 lx
Uniformity Uo	Emin/Em : 1 : 3.33 (0.30)
Diversity Ud	Emin/Emax : 1 : 8.60 (0.12)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



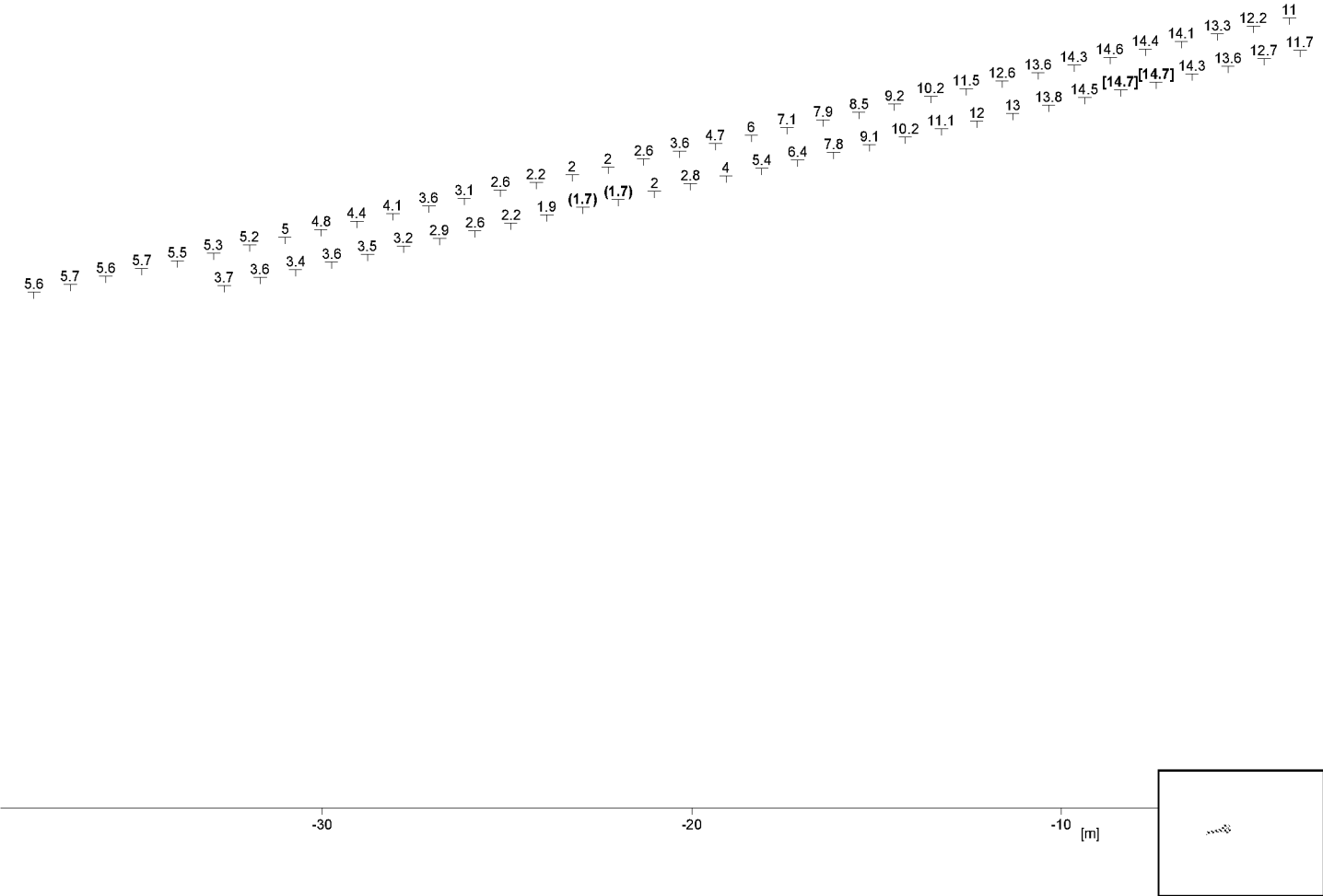
2.3 Calculation results, Exterior 1
2.3.18 Table, North Road 5 Part 3 Pavement (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.18 Table, North Road 5 Part 3 Pavement (E)



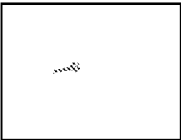
Part3

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.18 Table, North Road 5 Part 3 Pavement (E)

9.7 8.9 8.3
10.8 9.9 8.8

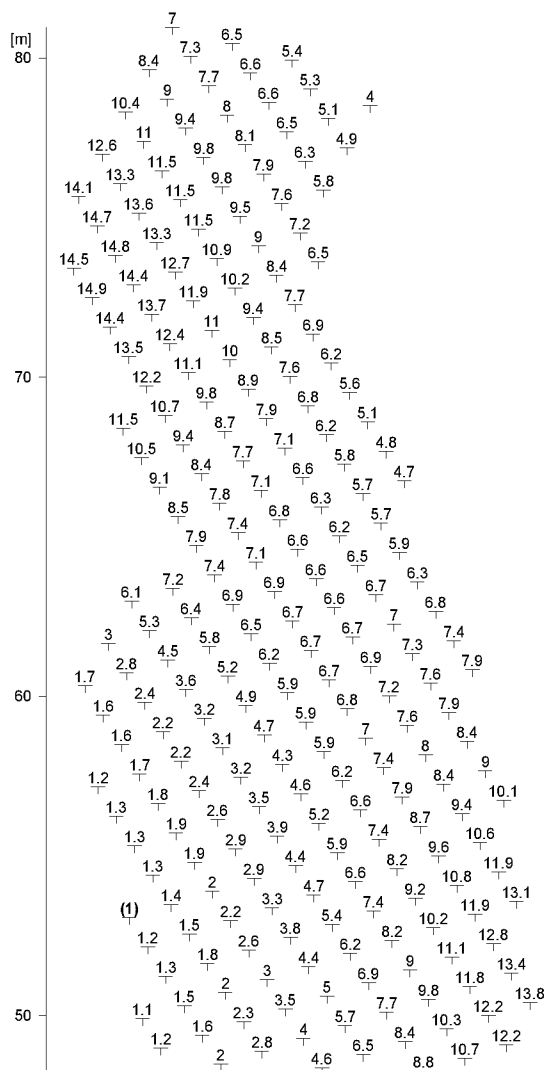


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.19 Table, North Road 5 Part 4 (E)



Part1

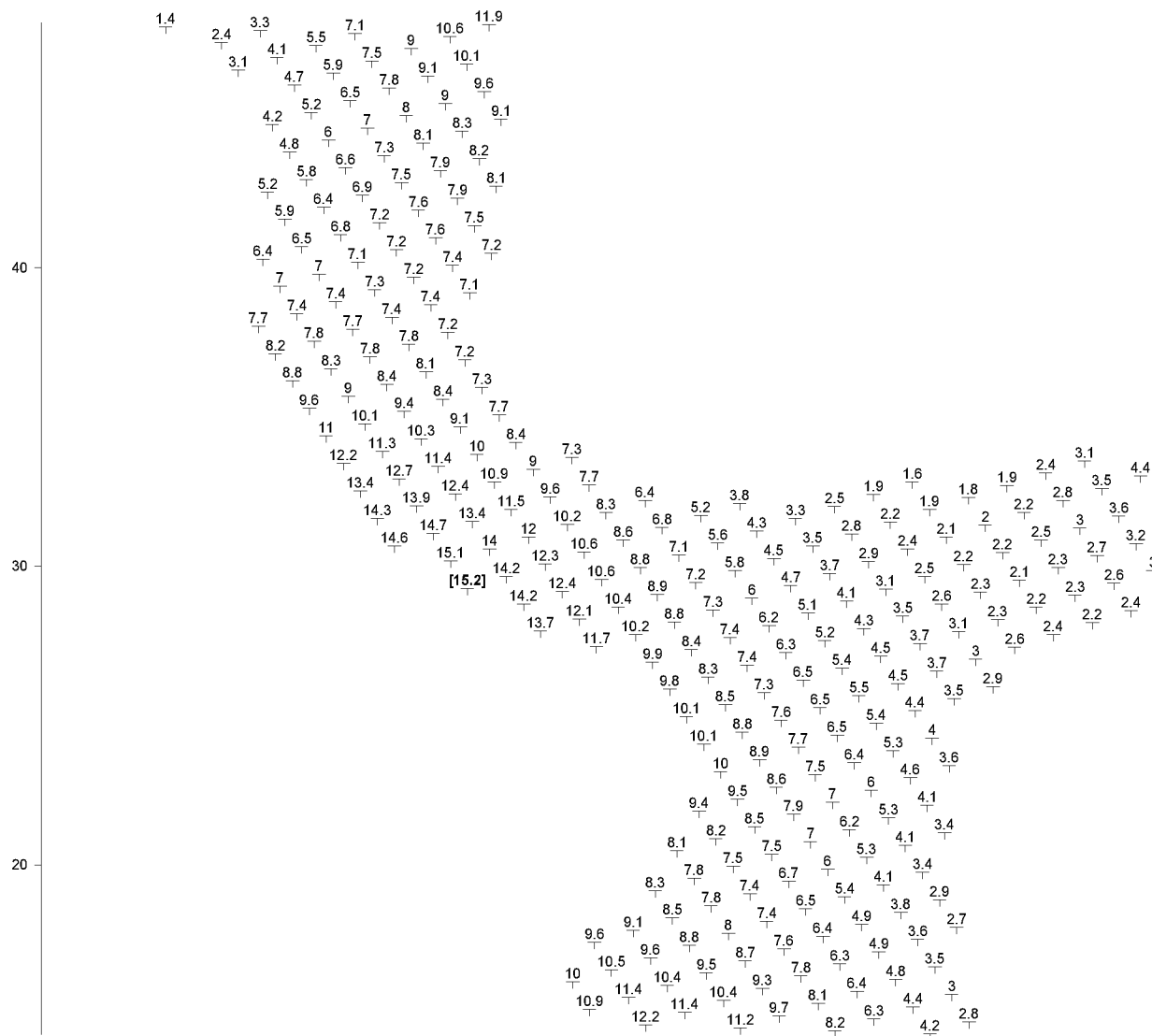
Height reference plane	: 0.01 m
Average illuminance	Em : 7.1 lx
Minimum illuminance	Emin : 1 lx
Maximum illuminance	Emax : 15.2 lx
Uniformity Uo	Emin/Em : 1 : 7.31 (0.14)
Diversity Ud	Emin/Emax : 1 : 15.70 (0.06)

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.19 Table, North Road 5 Part 4 (E)



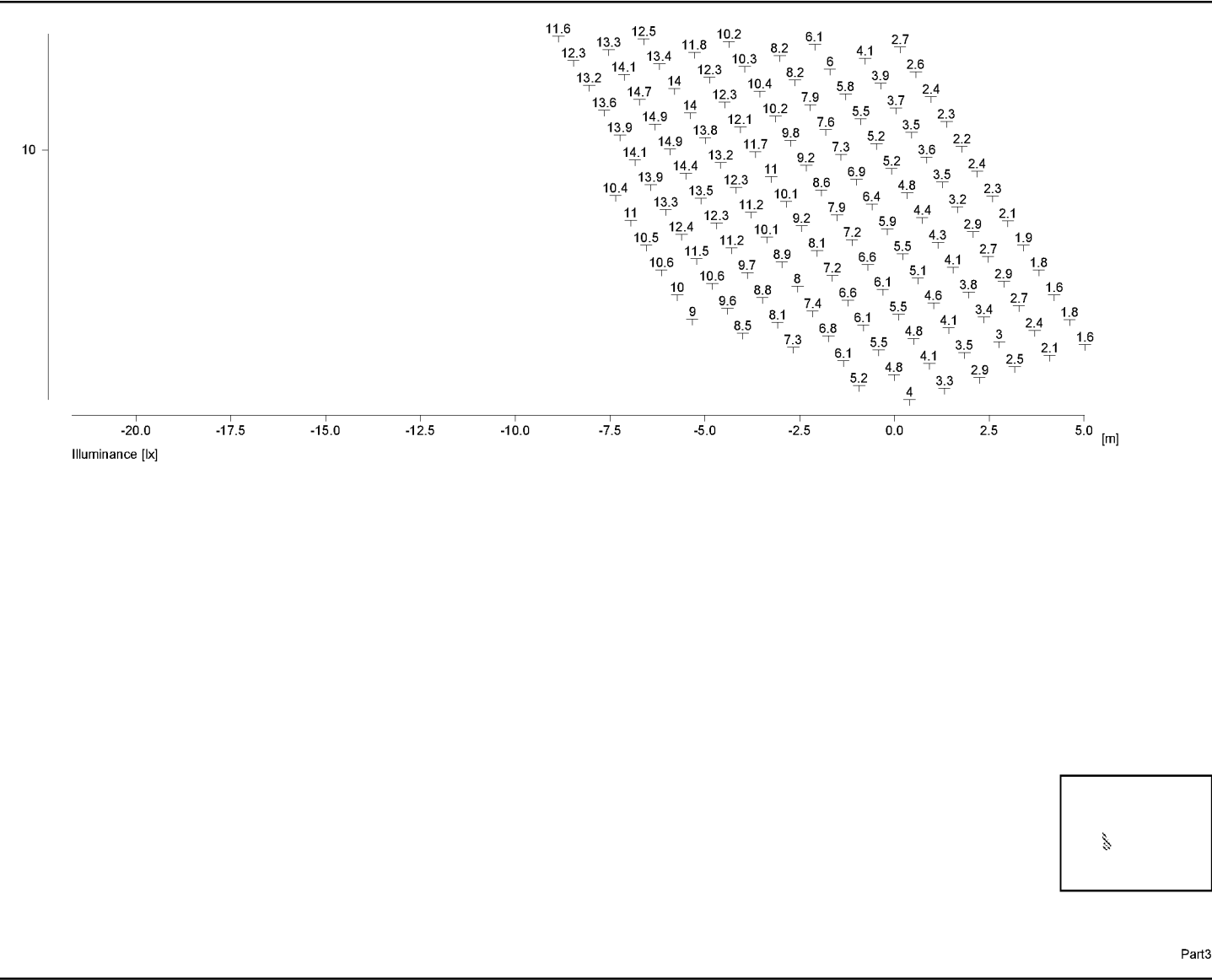
Part2

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.19 Table, North Road 5 Part 4 (E)

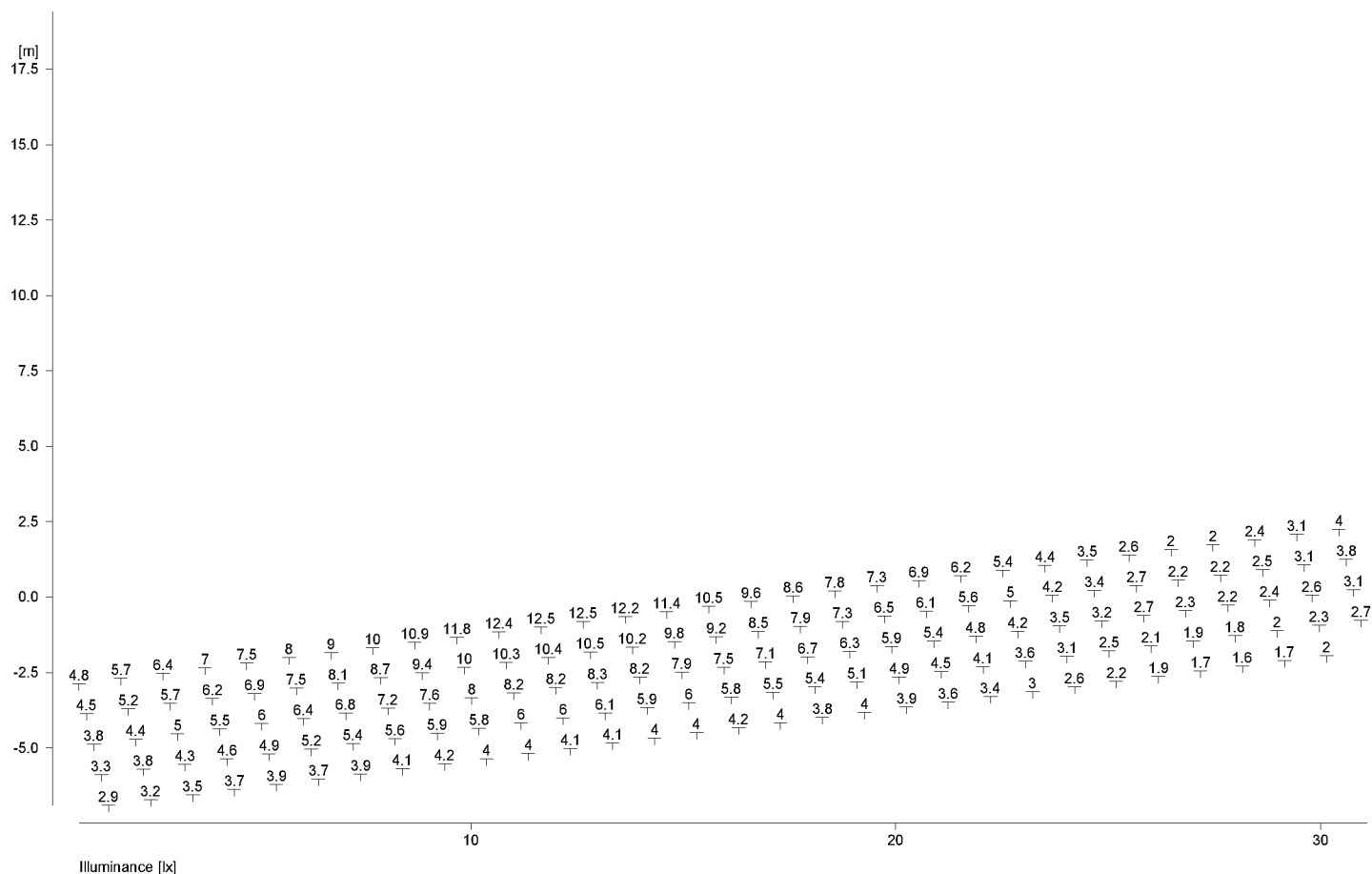


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



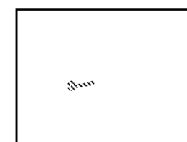
2.3 Calculation results, Exterior 1

2.3.20 Table, North Road 5 Part 5 (E)



Part1

Height reference plane	: 0.01 m
Average illuminance	Em : 5.4 lx
Minimum illuminance	Emin : 1.4 lx
Maximum illuminance	Emax : 13.5 lx
Uniformity Uo	Emin/Em : 1 : 3.93 (0.25)
Diversity Ud	Emin/Emax : 1 : 9.70 (0.10)

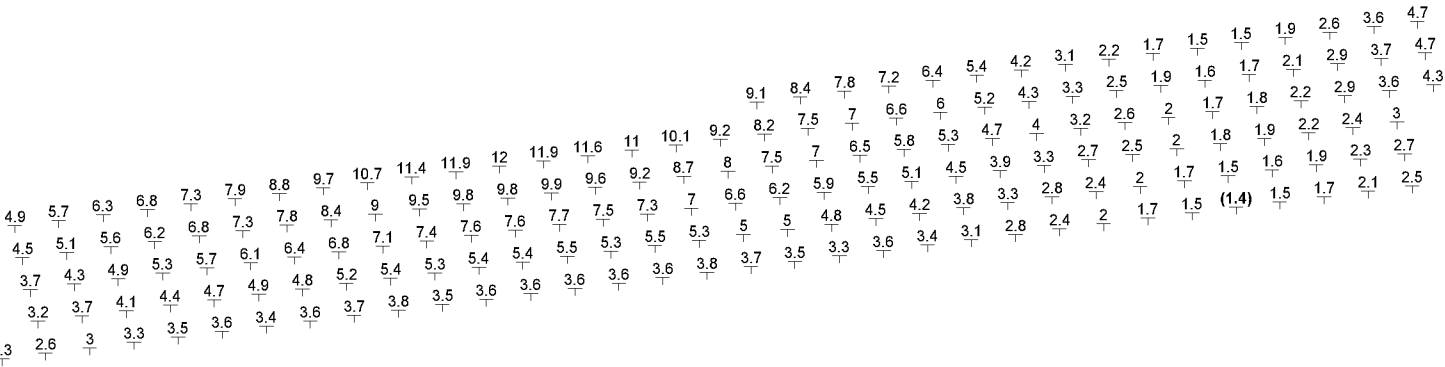


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.20 Table, North Road 5 Part 5 (E)



40

50

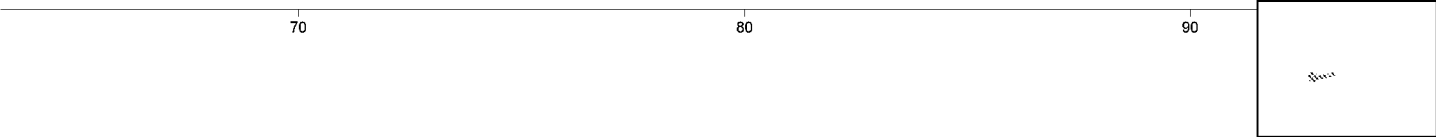
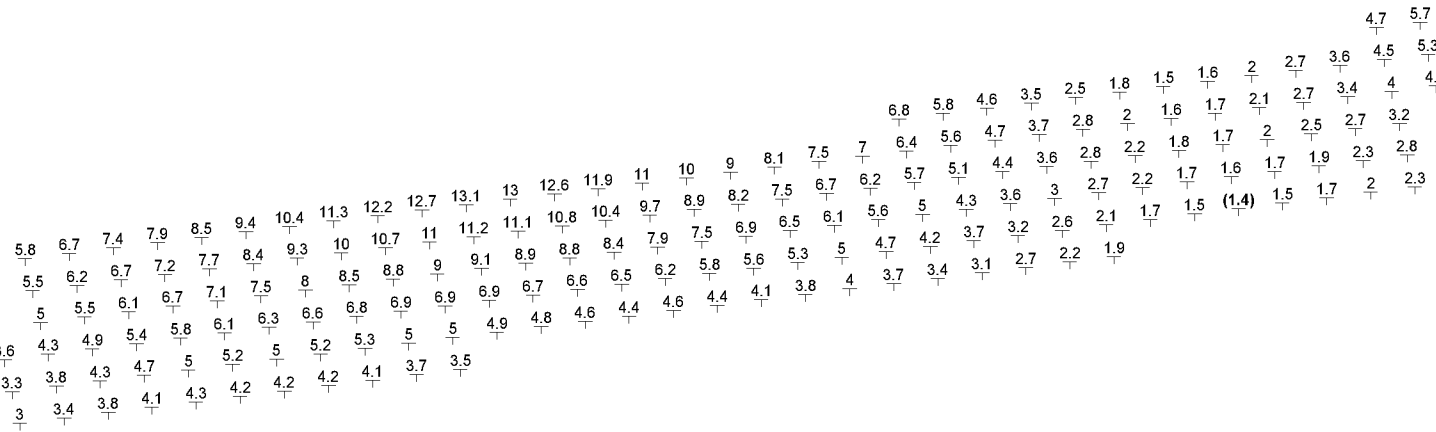


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.20 Table, North Road 5 Part 5 (E)





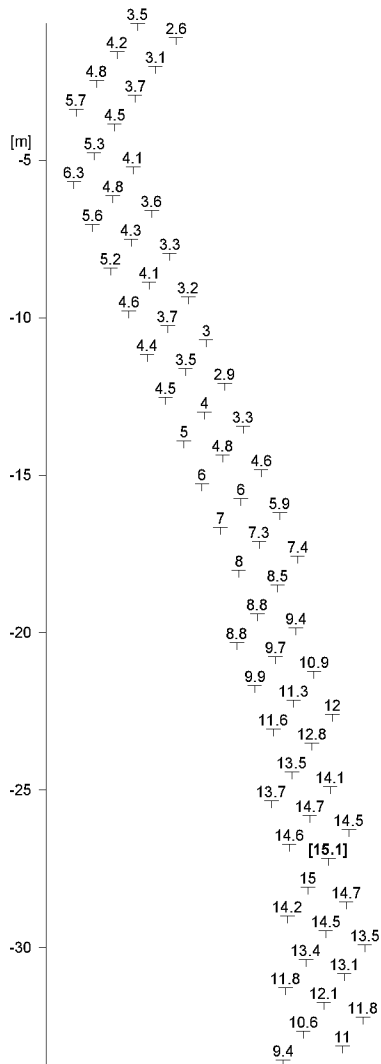
LUMEN
DESIGNERS

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.21 Table, North Road 5 Part 4 Pavement (E)



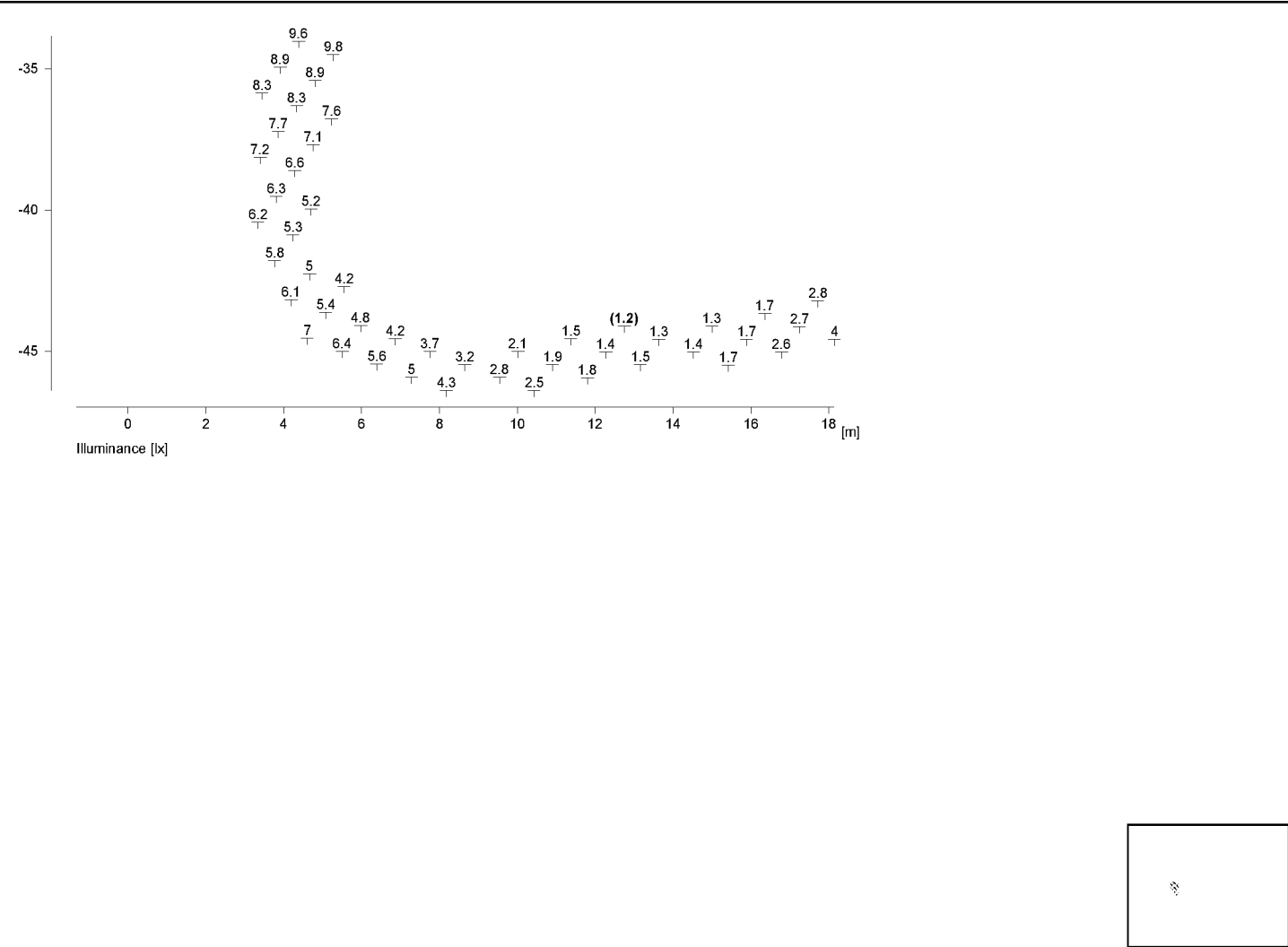
Part1

Height reference plane	: 0.01 m
Average illuminance	Em : 6.7 lx
Minimum illuminance	Emin : 1.2 lx
Maximum illuminance	Emax : 15.1 lx
Uniformity Uo	Emin/Em : 1 : 5.52 (0.18)
Diversity Ud	Emin/Emax : 1 : 12.54 (0.08)



2.3 Calculation results, Exterior 1

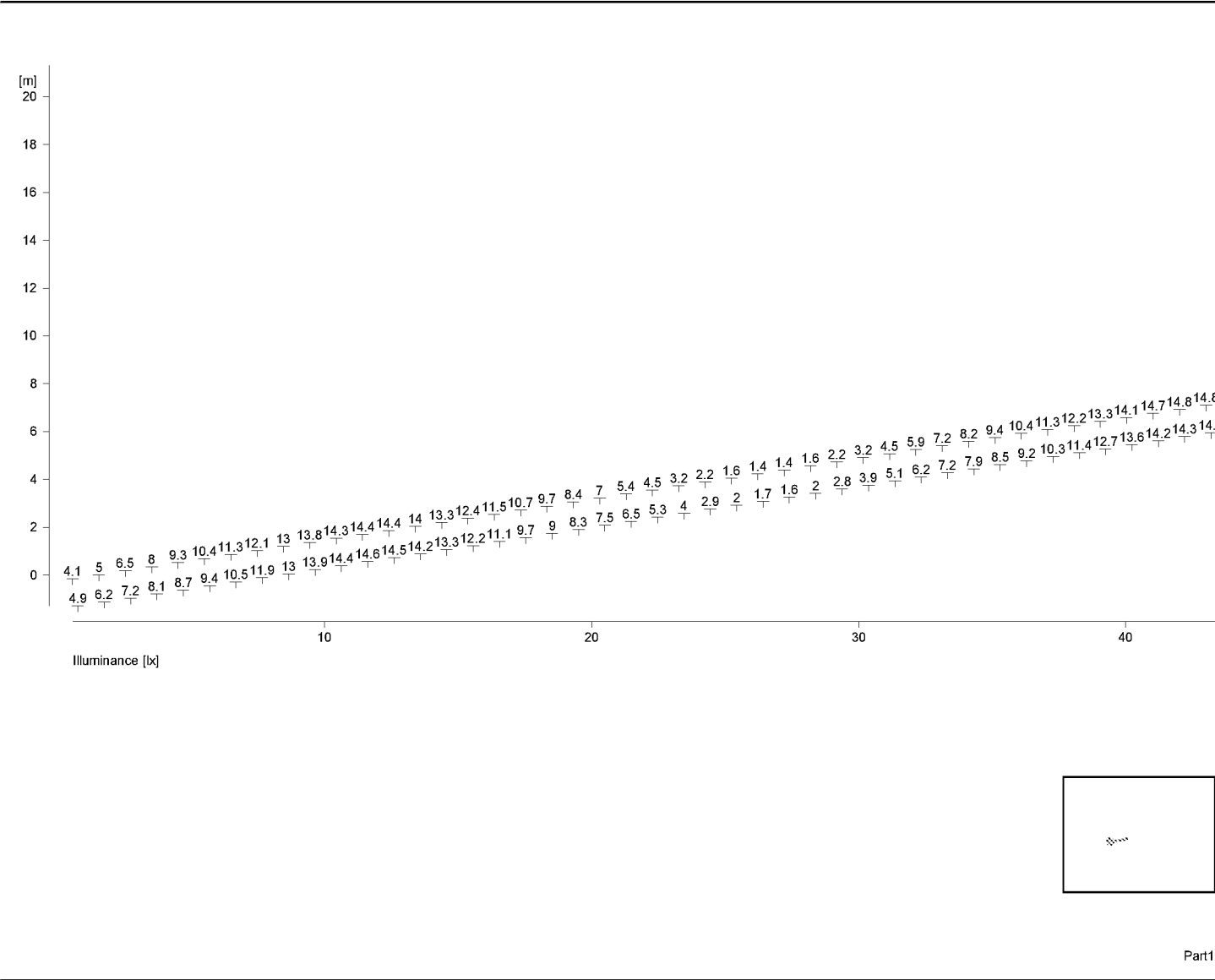
2.3.21 Table, North Road 5 Part 4 Pavement (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.22 Table, North Road 5 Part 5 Pavement (E)

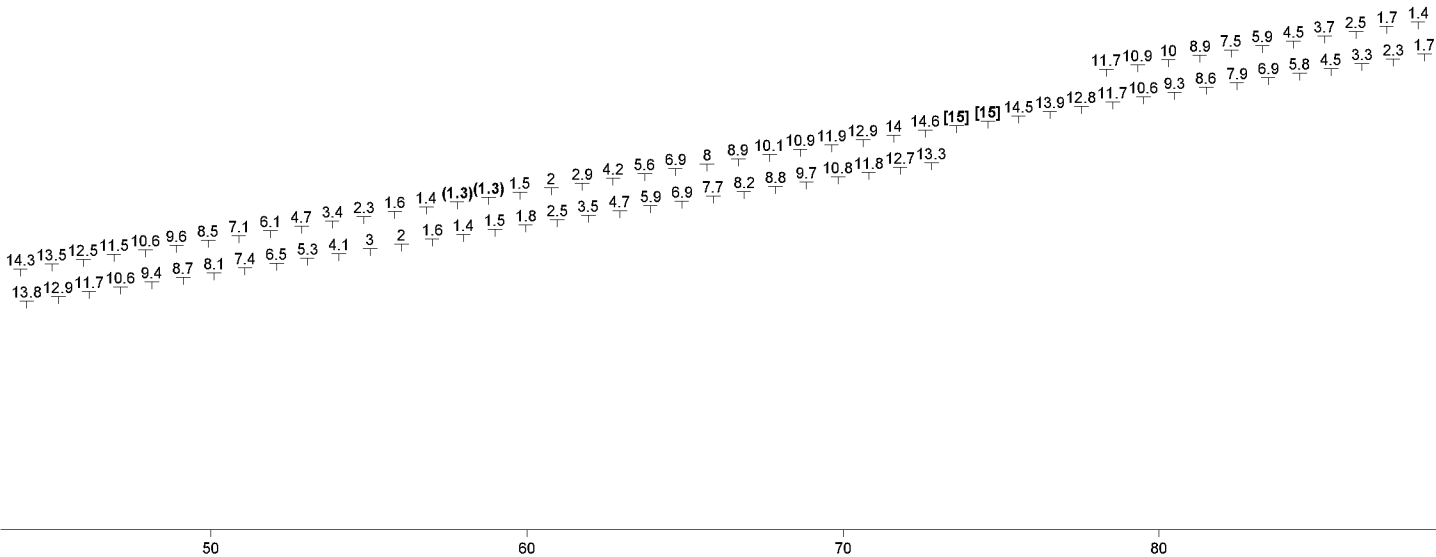


Height reference plane	: 0.01 m
Average illuminance	Em : 8.2 lx
Minimum illuminance	Emin : 1.3 lx
Maximum illuminance	Emax : 15 lx
Uniformity Uo	Emin/Em : 1 : 6.44 (0.16)
Diversity Ud	Emin/Emax : 1 : 11.74 (0.09)

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



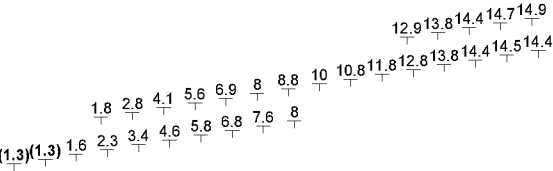
2.3 Calculation results, Exterior 1
2.3.22 Table, North Road 5 Part 5 Pavement (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.22 Table, North Road 5 Part 5 Pavement (E)





LUMEN
DESIGNERS

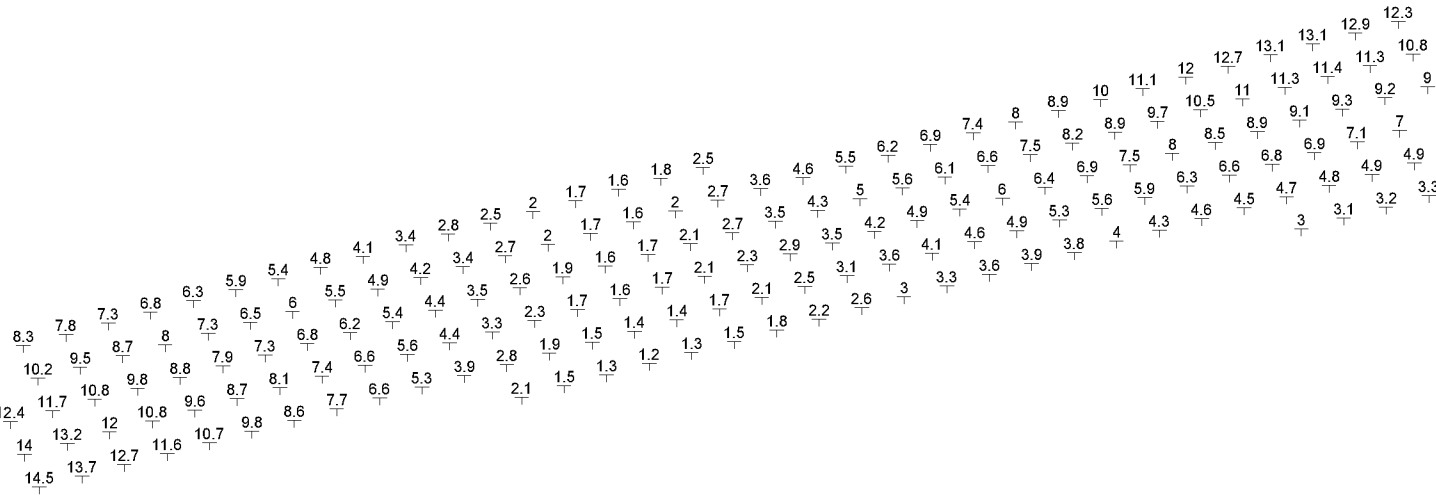


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.23 Table, North Road 5 Part 6 (E)



Part2

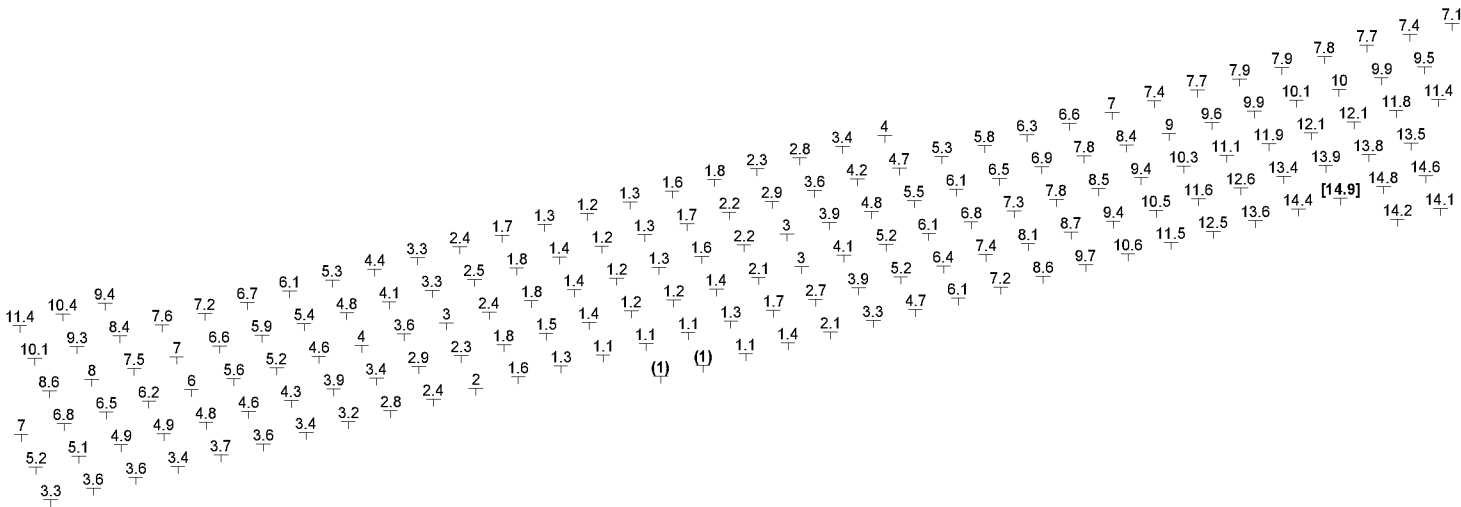


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.23 Table, North Road 5 Part 6 (E)

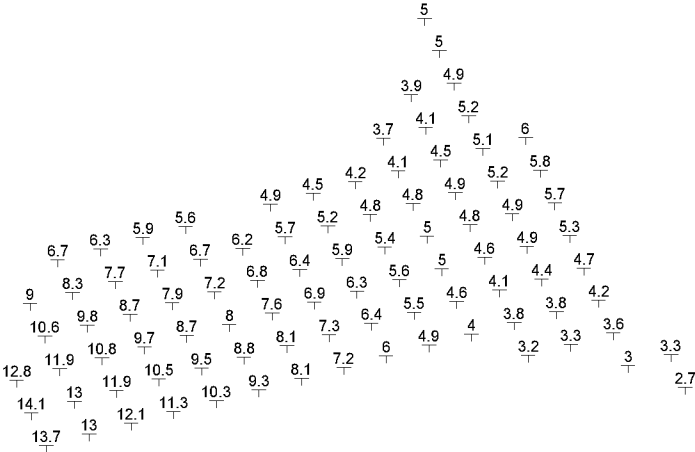


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.23 Table, North Road 5 Part 6 (E)

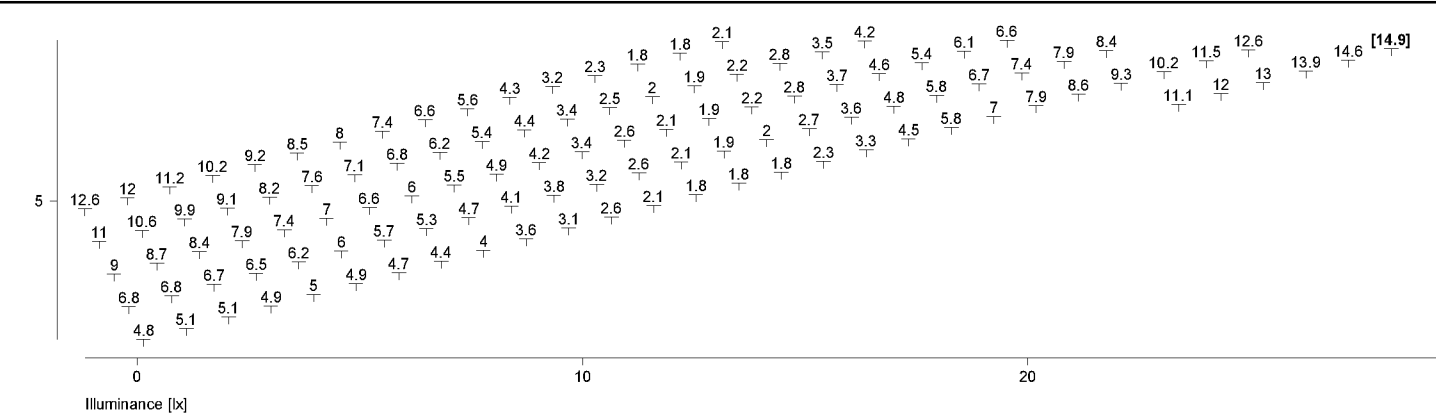


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.23 Table, North Road 5 Part 6 (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.24 Table, North Road 5 Part 6 Pavement (E)



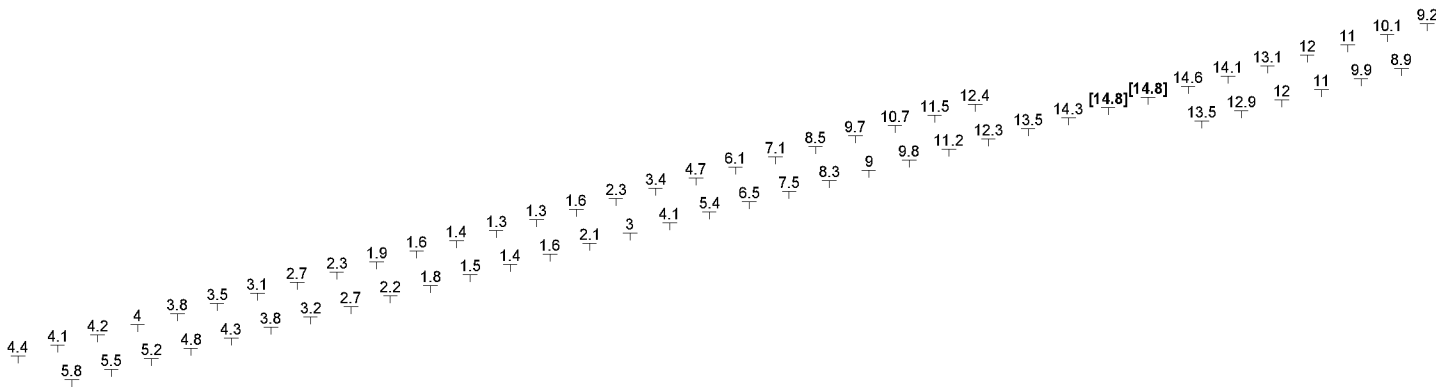
Height reference plane	: 0.01 m
Average illuminance	Em : 5.1 lx
Minimum illuminance	Emin : 1 lx
Maximum illuminance	Emax : 14.8 lx
Uniformity Uo	Emin/Em : 1 : 5.07 (0.20)
Diversity Ud	Emin/Emax : 1 : 14.59 (0.07)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.24 Table, North Road 5 Part 6 Pavement (E)



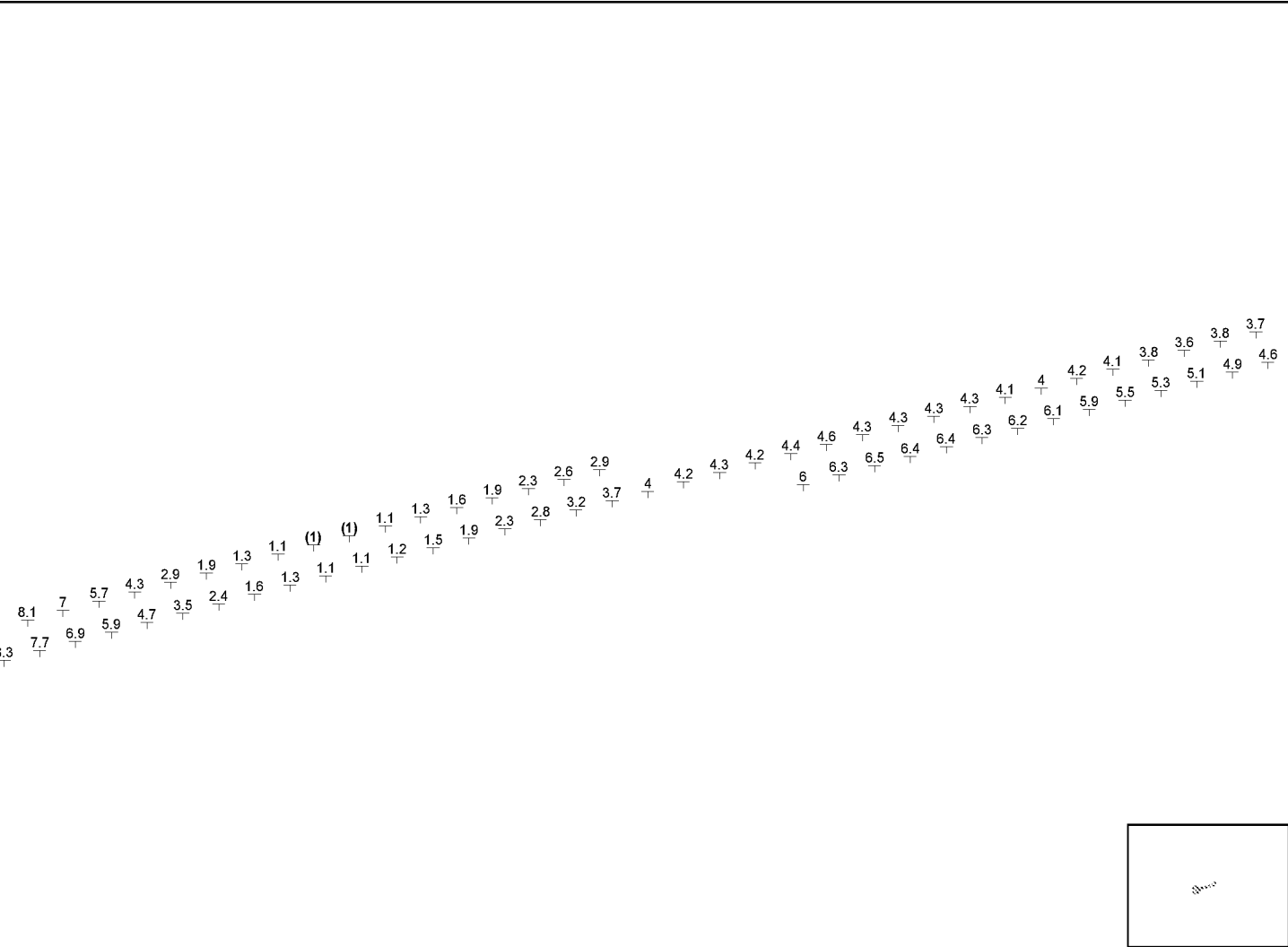
Part2



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



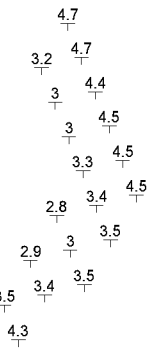
2.3 Calculation results, Exterior 1
2.3.24 Table, North Road 5 Part 6 Pavement (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



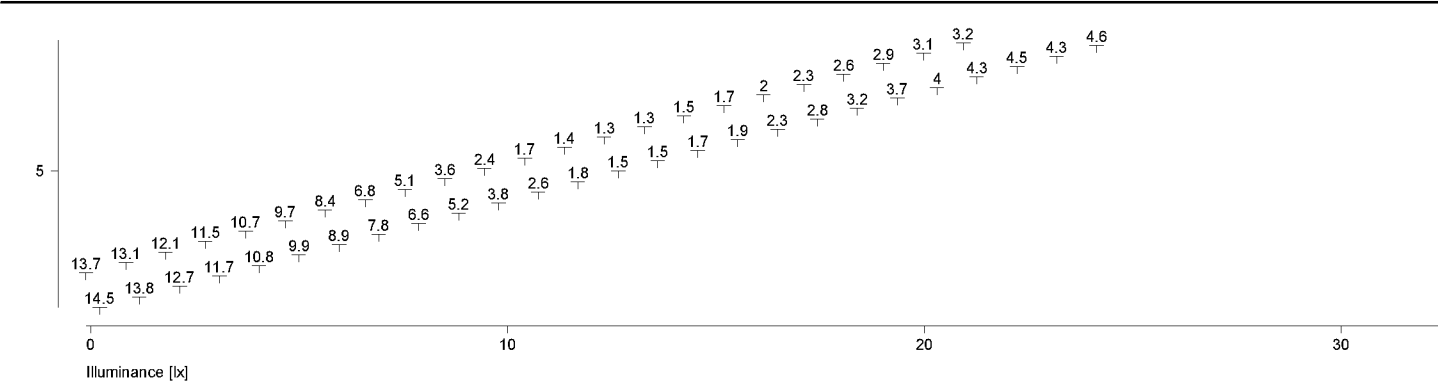
2.3 Calculation results, Exterior 1
2.3.24 Table, North Road 5 Part 6 Pavement (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.24 Table, North Road 5 Part 6 Pavement (E)

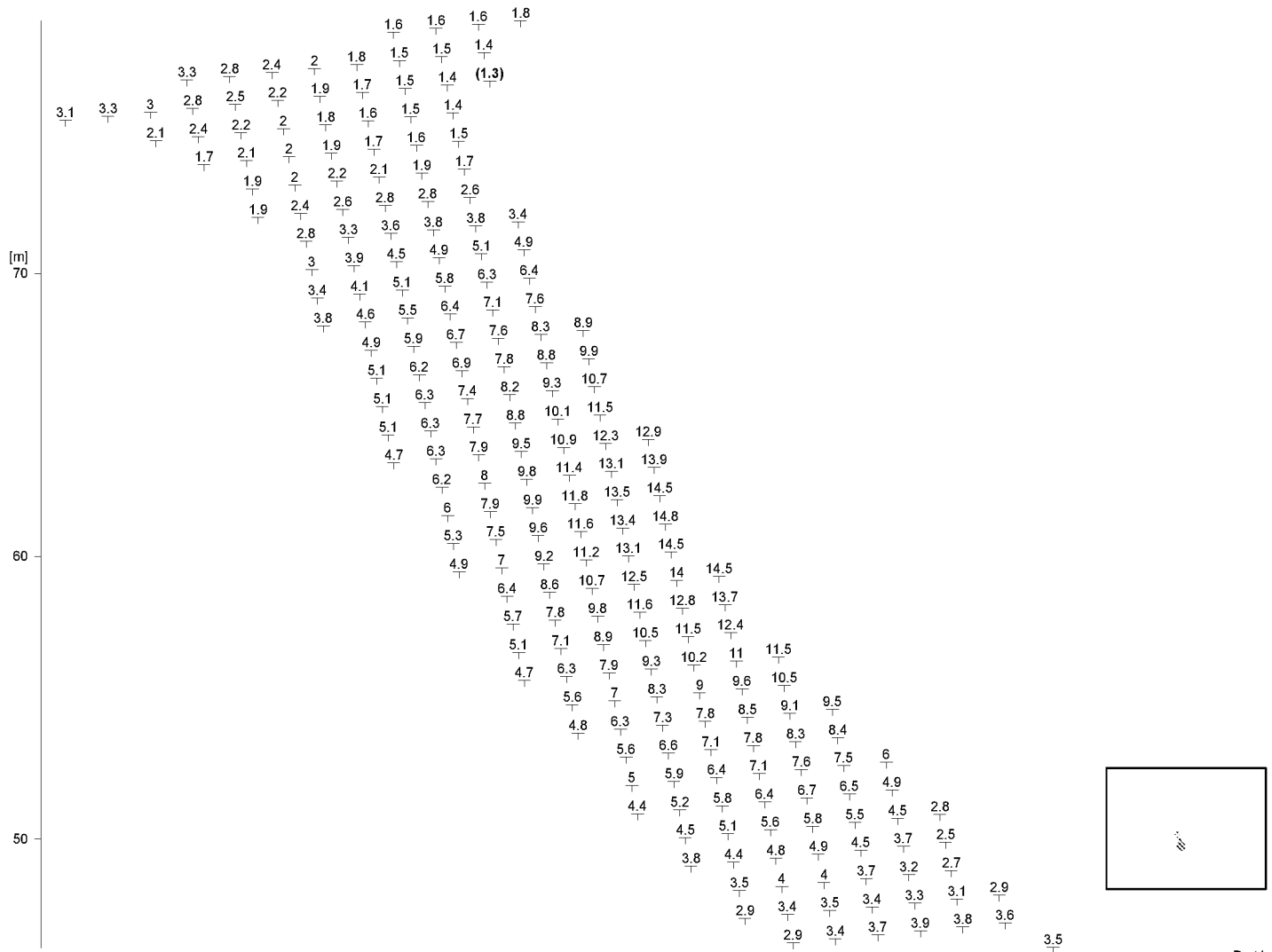


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.25 Table, North Road 6 (E)



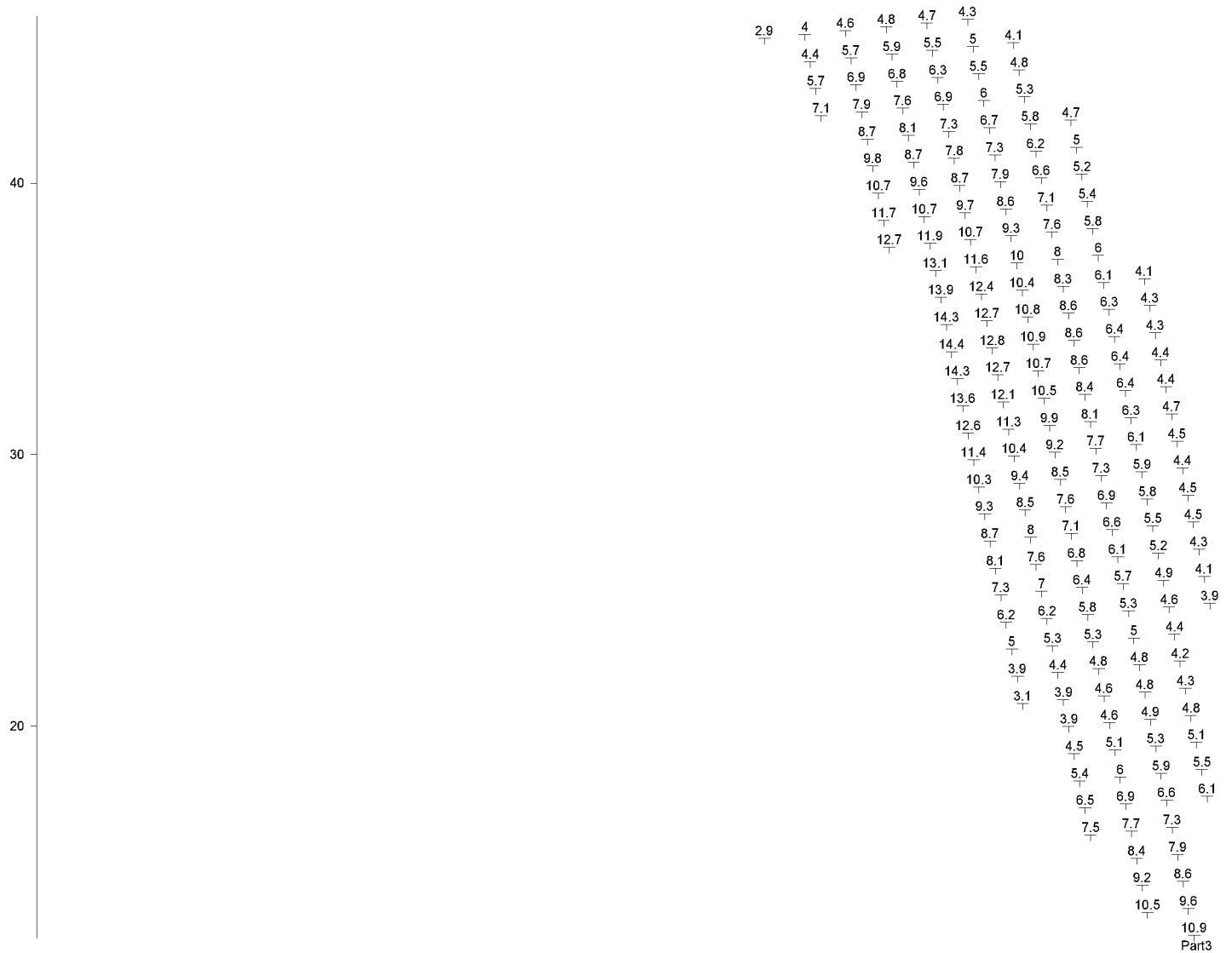
Part1

Height reference plane	: 0.01 m
Average illuminance	Em : 6.9 lx
Minimum illuminance	Emin : 1.3 lx
Maximum illuminance	Emax : 15.1 lx
Uniformity Uo	Emin/Em : 1 : 5.21 (0.19)
Diversity Ud	Emin/Emax : 1 : 11.33 (0.09)

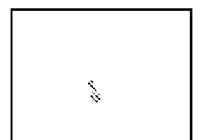


LUNEN
 DESIGNERS

2.3.25 Table, North Road 6 (E)



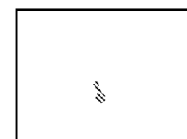
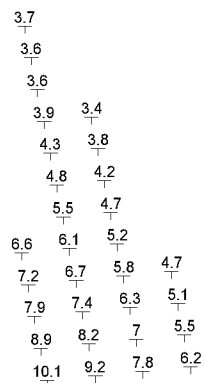
Part3





LUMEN
DESIGNERS

2.3.25 Table, North Road 6 (E)

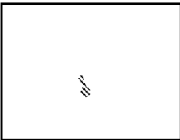
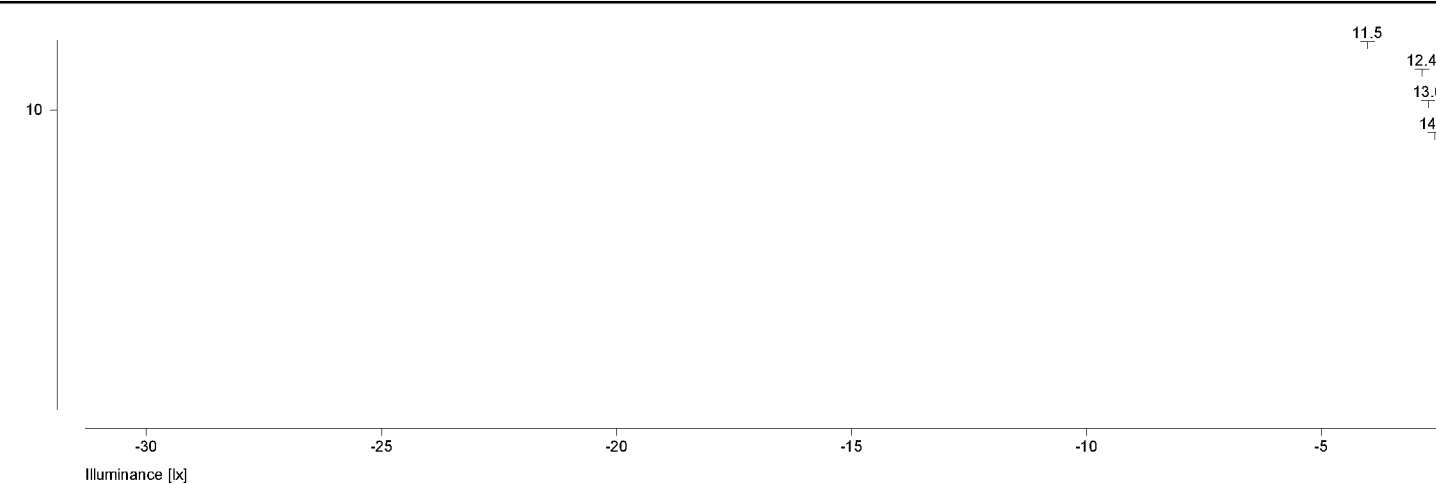


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.25 Table, North Road 6 (E)

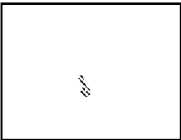
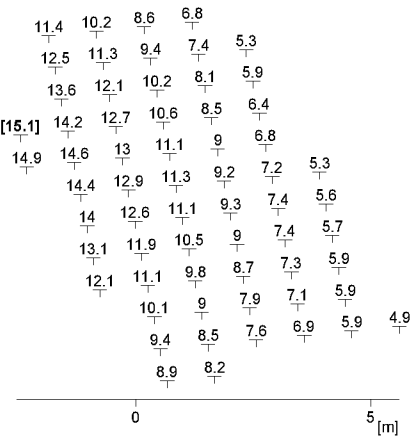


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.25 Table, North Road 6 (E)

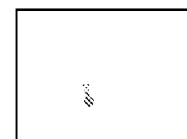
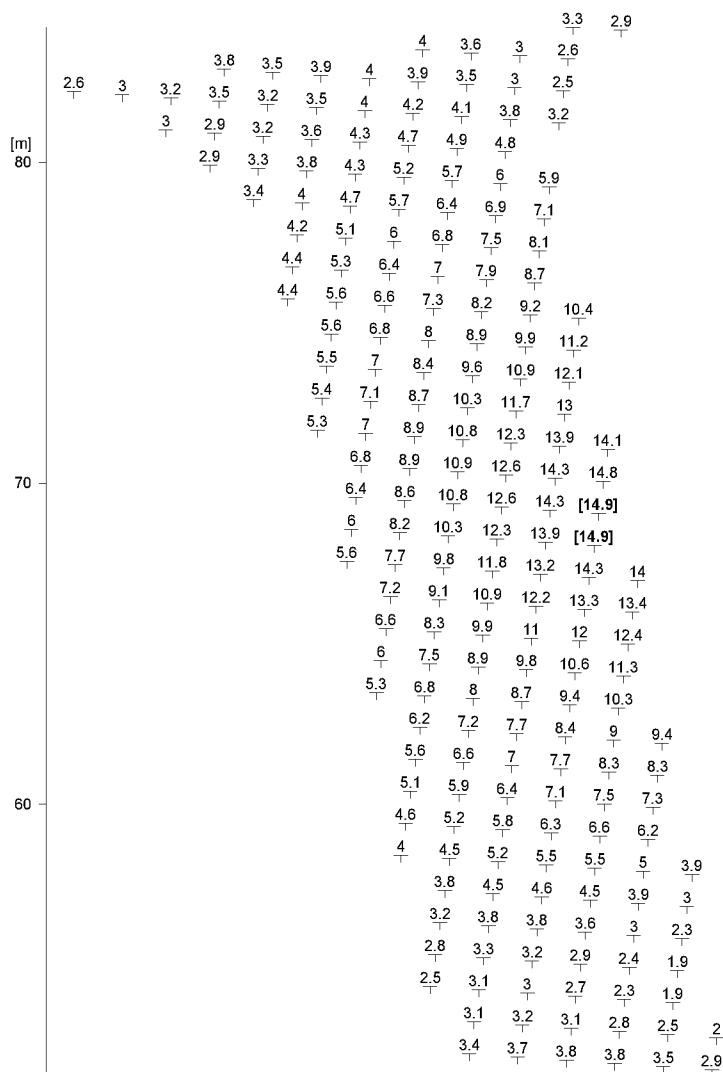


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.26 Table, North Road 7 (E)



Part1

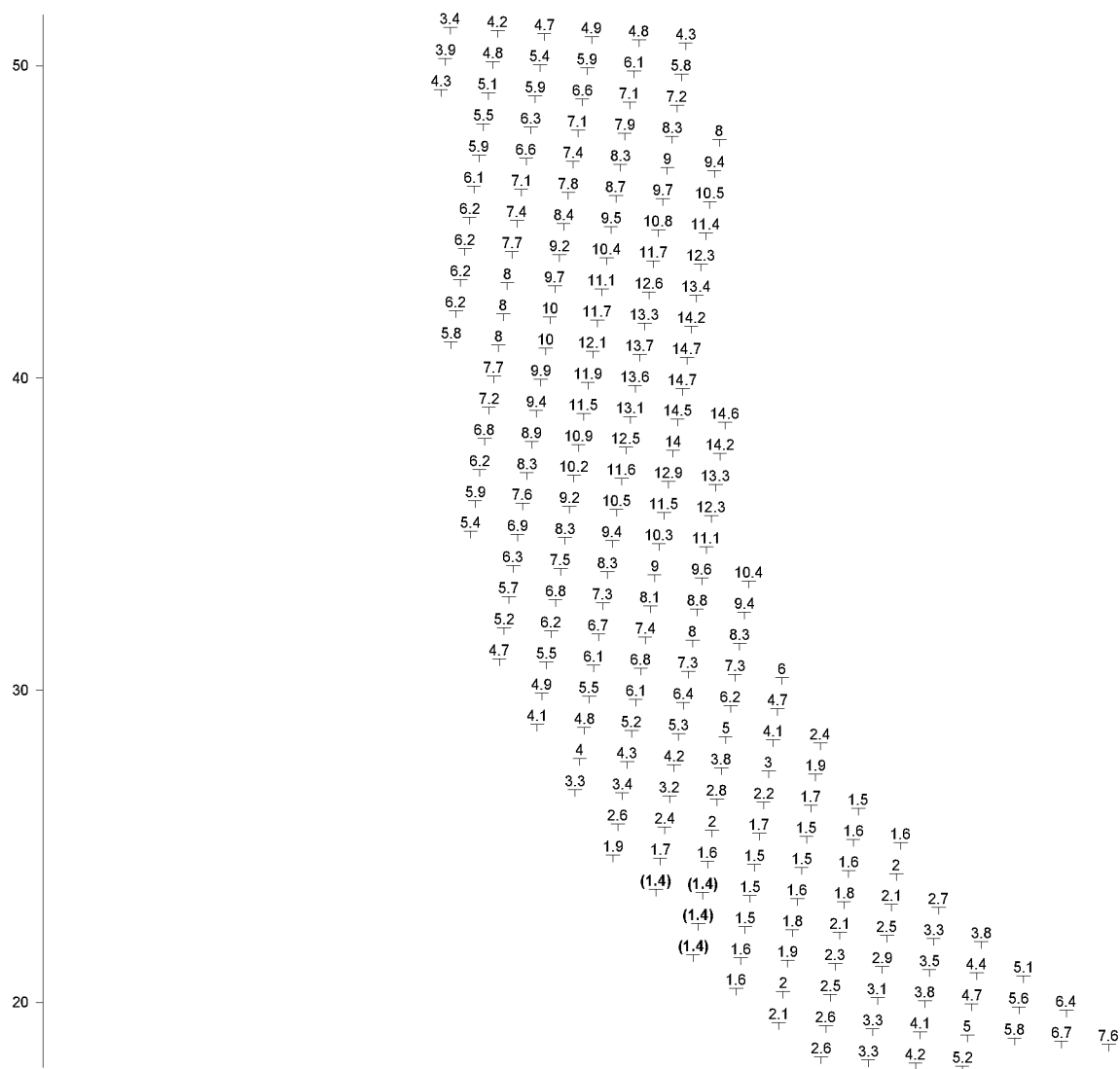
Height reference plane	: 0.01 m
Average illuminance	Em : 7 lx
Minimum illuminance	Emin : 1.4 lx
Maximum illuminance	Emax : 14.9 lx
Uniformity Uo	Emin/Em : 1 : 5.12 (0.20)
Diversity Ud	Emin/Emax : 1 : 10.94 (0.09)

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.26 Table, North Road 7 (E)



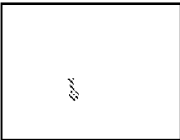
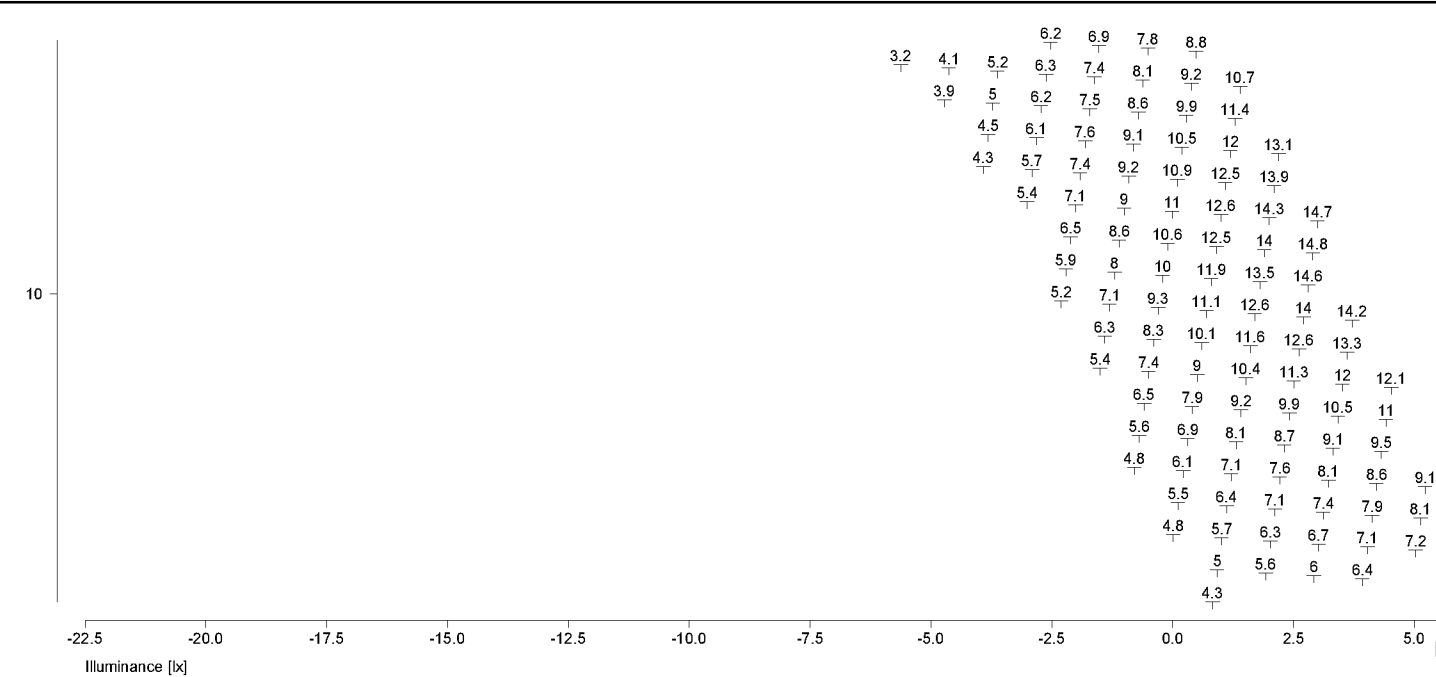
Part3

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.26 Table, North Road 7 (E)





LUMEN
DESIGNERS

2.3.26 Table, North Road 7 (E)

[m]

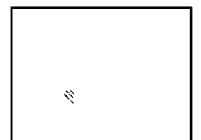
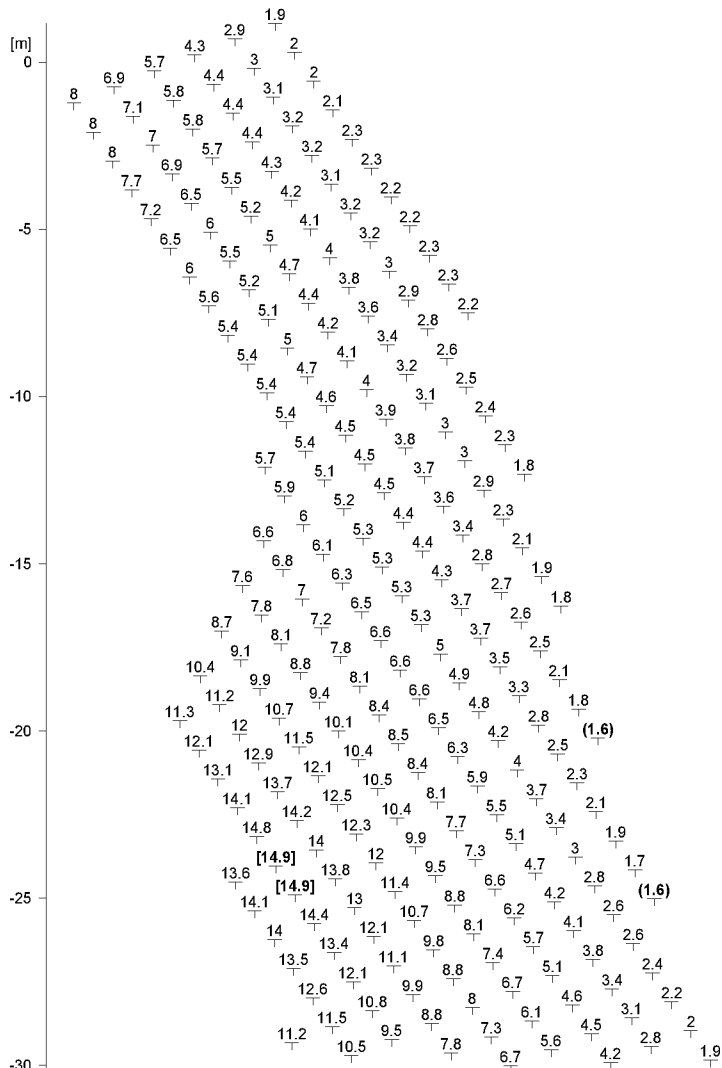
1

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.27 Table, North Road 8 (E)



Part1

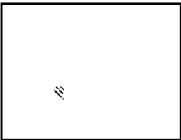
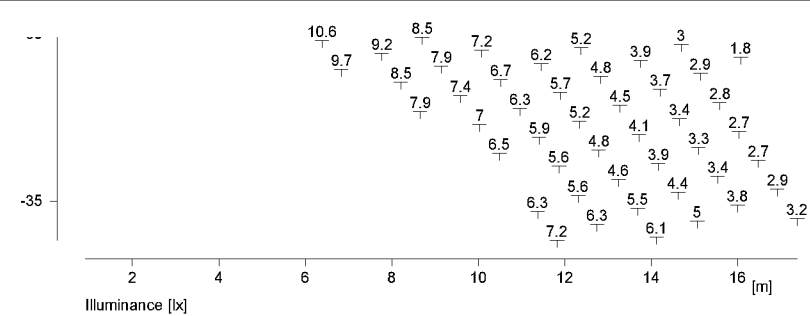
Height reference plane	: 0.01 m
Average illuminance	Em : 6.1 lx
Minimum illuminance	Emin : 1.6 lx
Maximum illuminance	Emax : 14.9 lx
Uniformity Uo	Emin/Em : 1 : 3.78 (0.26)
Diversity Ud	Emin/Emax : 1 : 9.27 (0.11)

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.27 Table, North Road 8 (E)

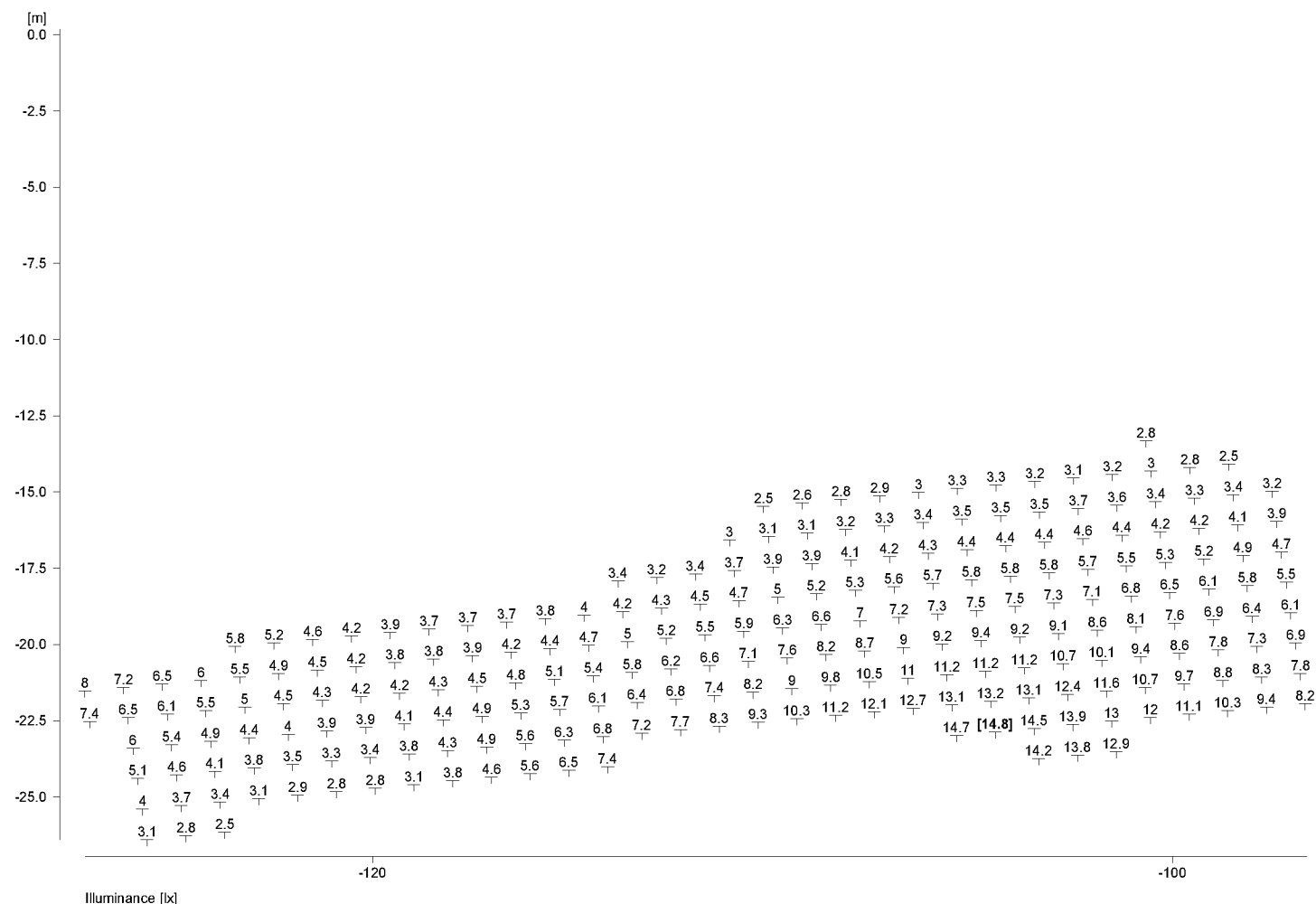


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



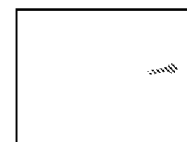
2.3 Calculation results, Exterior 1

2.3.28 Table, Main Road Part 1 (E)



Part1

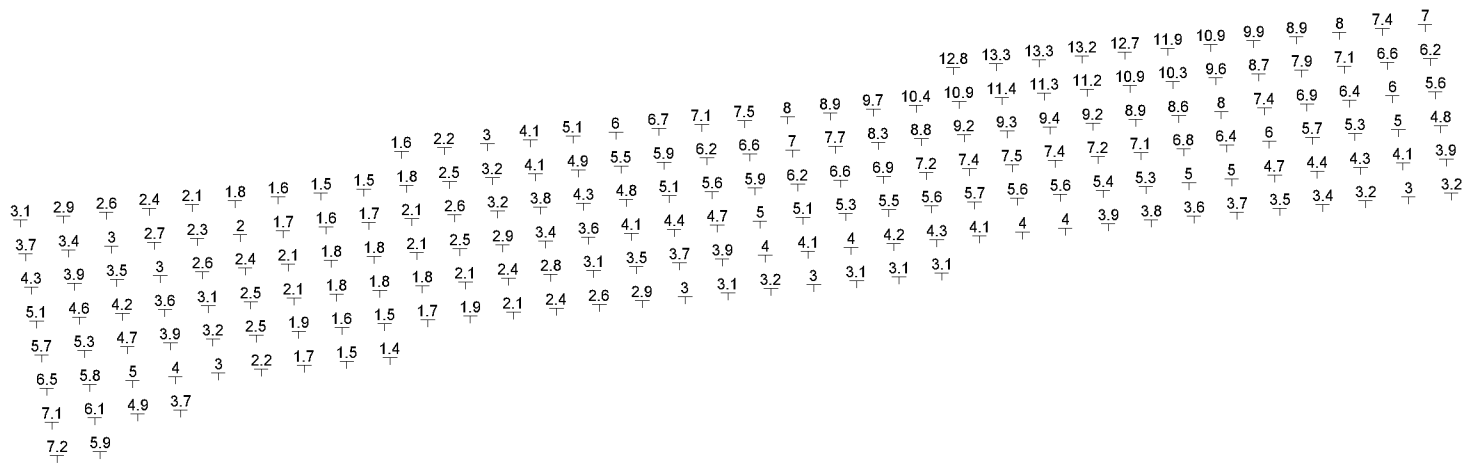
Height reference plane	: 0.01 m
Average illuminance	Em : 5.5 lx
Minimum illuminance	Emin : 1.3 lx
Maximum illuminance	Emax : 14.8 lx
Uniformity Uo	Emin/Em : 1 : 4.21 (0.24)
Diversity Ud	Emin/Emax : 1 : 11.37 (0.09)





LUNEN
 DESIGNERS

2.3.28 Table, Main Road Part 1 (E)

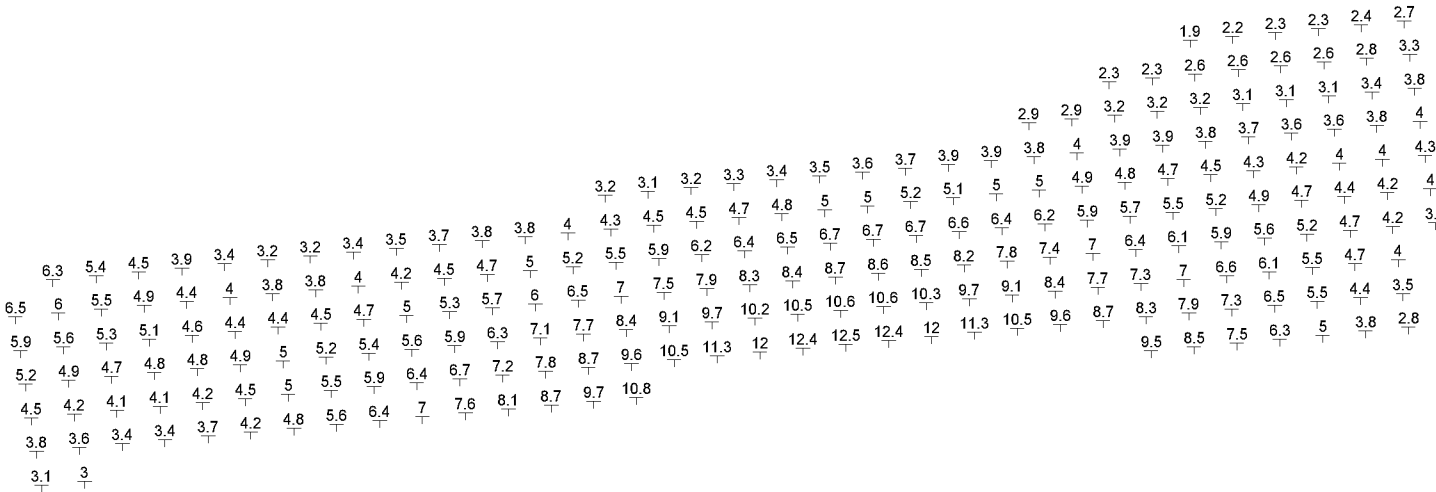


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.28 Table, Main Road Part 1 (E)



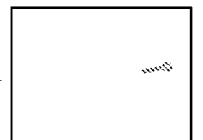


LERNER
DESIGNERS

2.3.28 Table, Main Road Part 1 (E)

[illegible]

-20 [m]

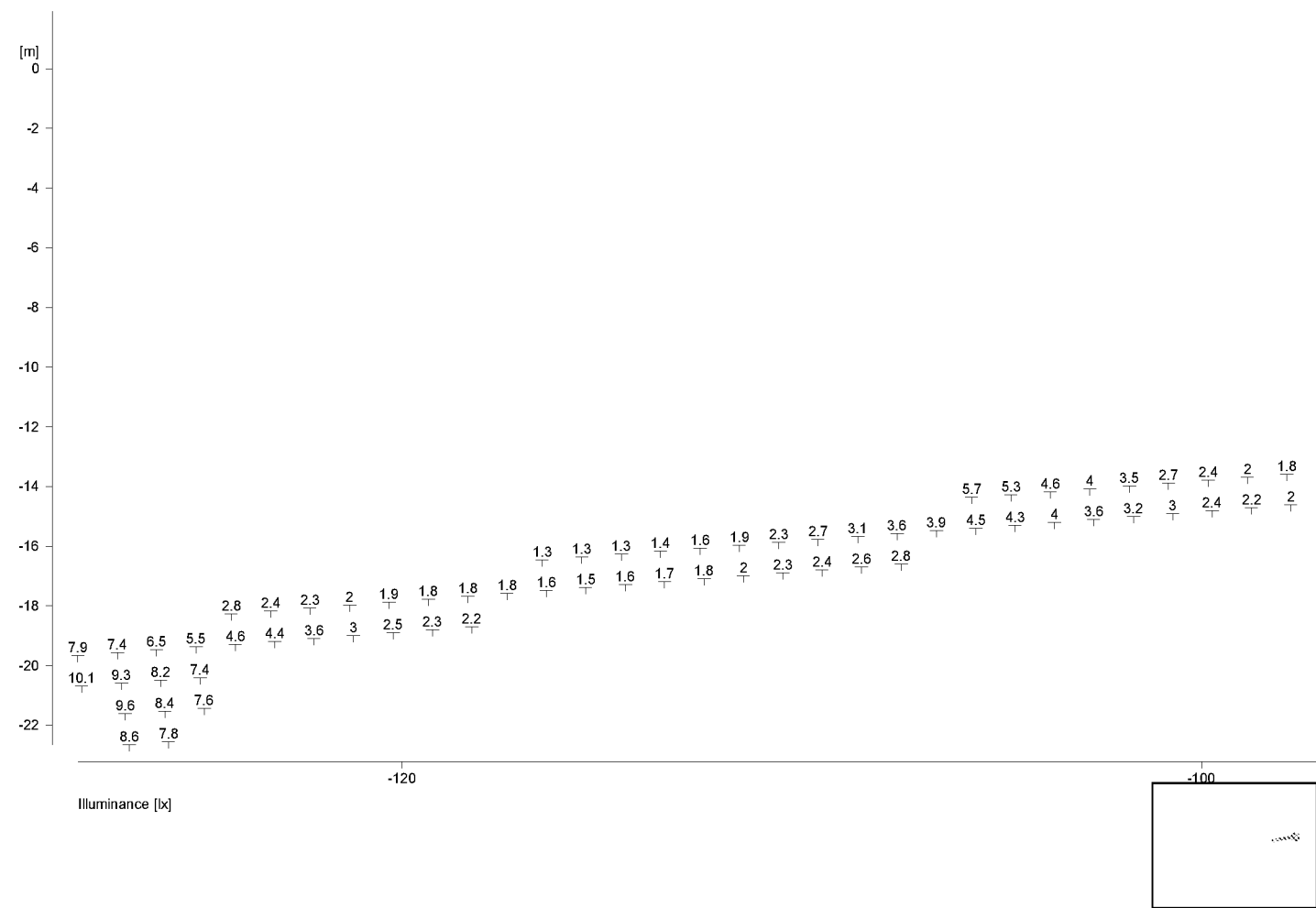


Part4

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.29 Table, Main Road Pavement North Side Part 1 (E)



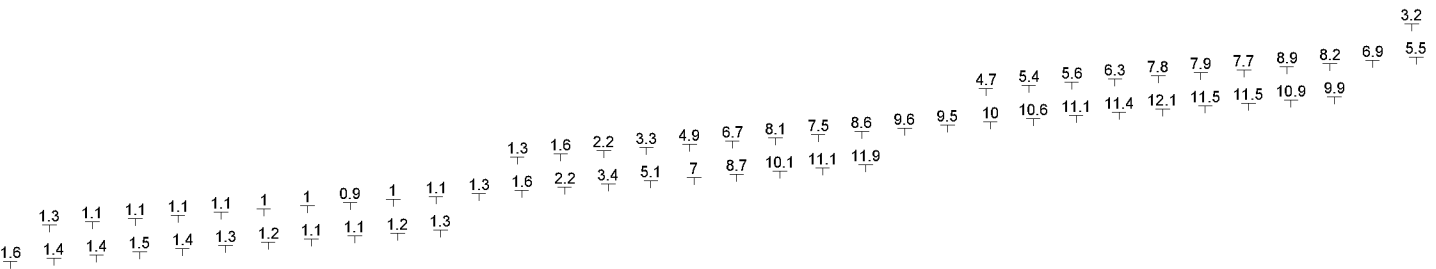
Part1

Height reference plane	: 0.01 m
Average illuminance	Em : 4.1 lx
Minimum illuminance	Emin : 0.8 lx
Maximum illuminance	Emax : 12.2 lx
Uniformity Uo	Emin/Em : 1 : 5.22 (0.19)
Diversity Ud	Emin/Emax : 1 : 15.63 (0.06)

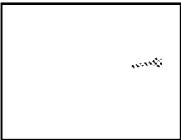
Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.29 Table, Main Road Pavement North Side Part 1 (E)



-80

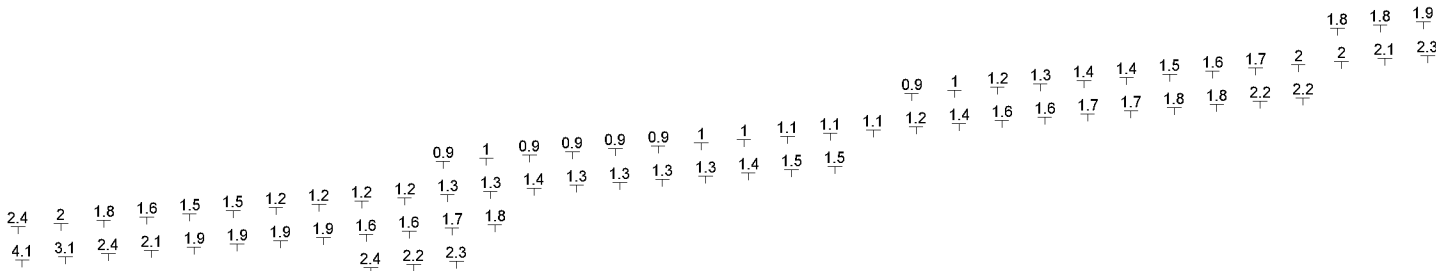


Part2

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.29 Table, Main Road Pavement North Side Part 1 (E)

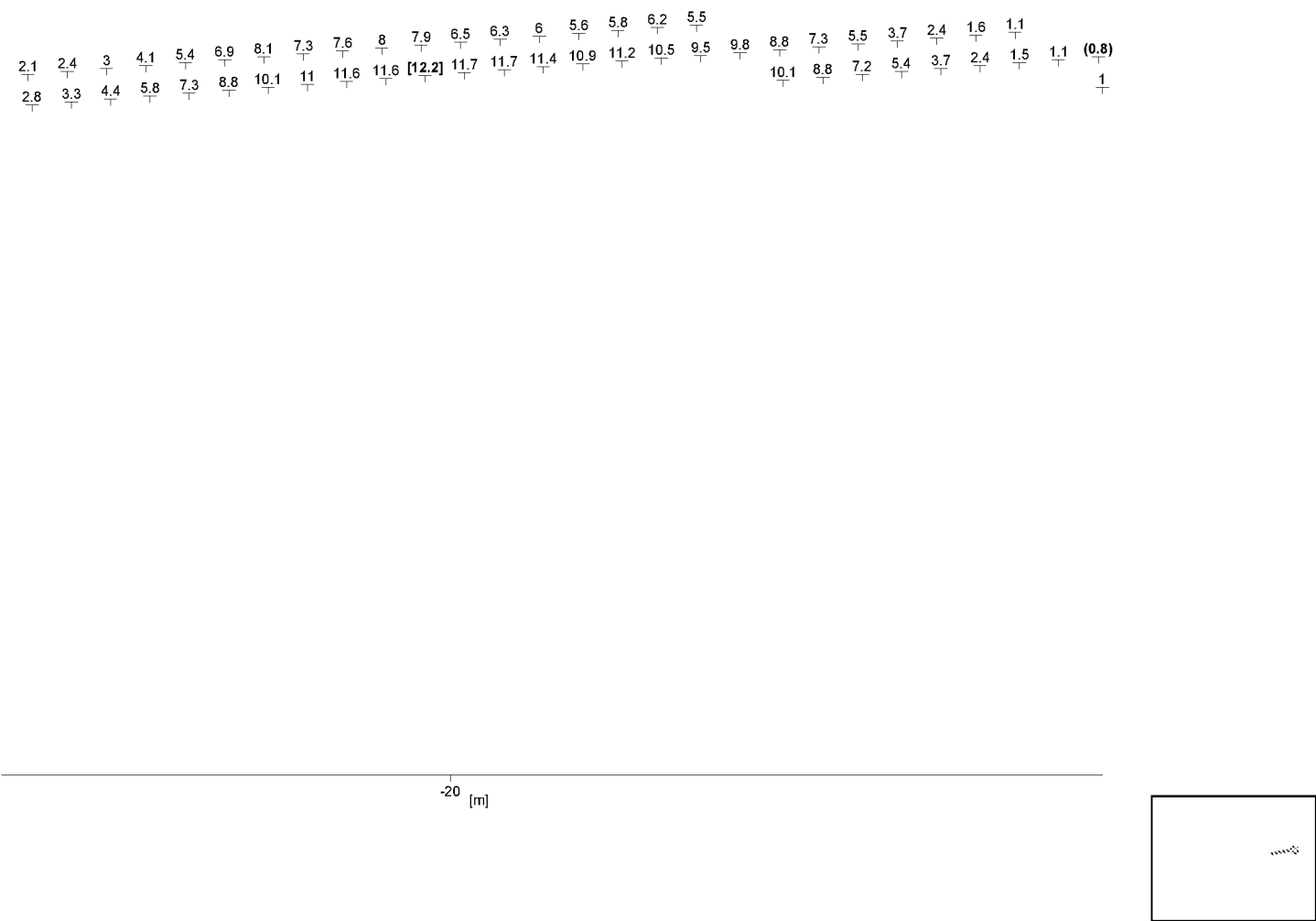


Part3

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.29 Table, Main Road Pavement North Side Part 1 (E)

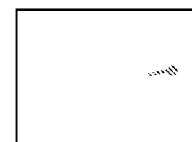
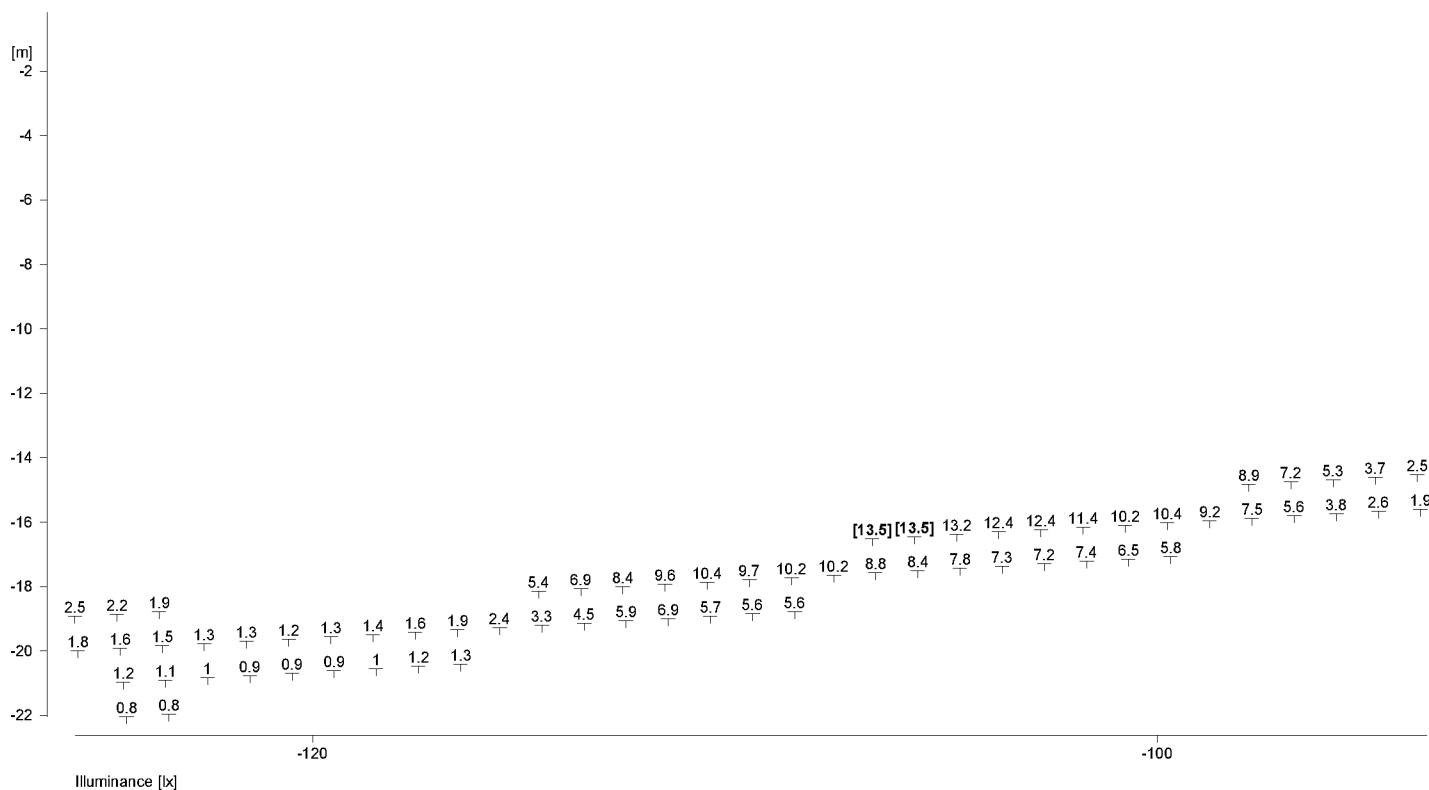


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.30 Table, Main Road Pavement South Side Part 1 (E)



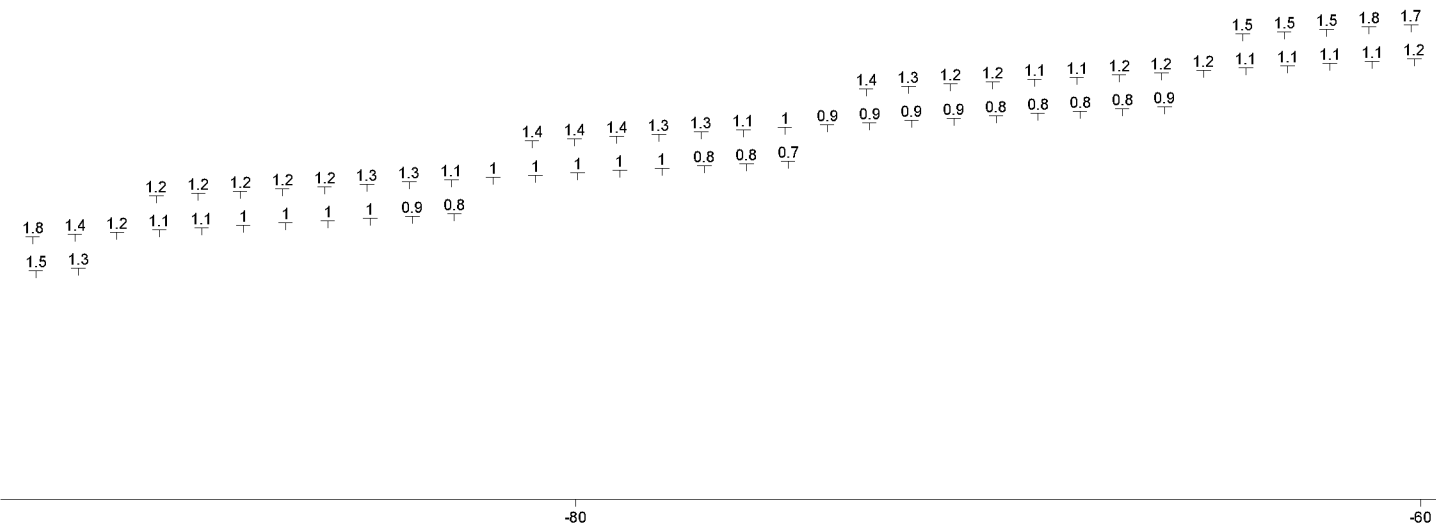
Part1

Height reference plane	: 0.01 m
Average illuminance	Em : 3.5 lx
Minimum illuminance	Emin : 0.6 lx
Maximum illuminance	Emax : 13.5 lx
Uniformity Uo	Emin/Em : 1 : 6.14 (0.16)
Diversity Ud	Emin/Emax : 1 : 23.35 (0.04)

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.30 Table, Main Road Pavement South Side Part 1 (E)





LUNEN
 DESIGNERS



LUMEN
DESIGNERS

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.31 Table, Main Road Part 2 (E)



Part1

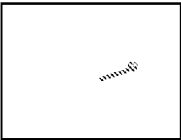
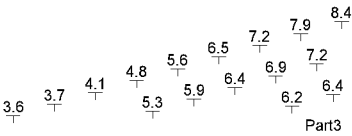
Height reference plane		: 0.01 m
Average illuminance	Em	: 5.4 lx
Minimum illuminance	Emin	: 1.1 lx
Maximum illuminance	Emax	: 14.7 lx
Uniformity Uo	Emin/Em	: 1 : 5.00 (0.20)
Diversity Ud	Emin/Emax	: 1 : 13.63 (0.07)

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.31 Table, Main Road Part 2 (E)

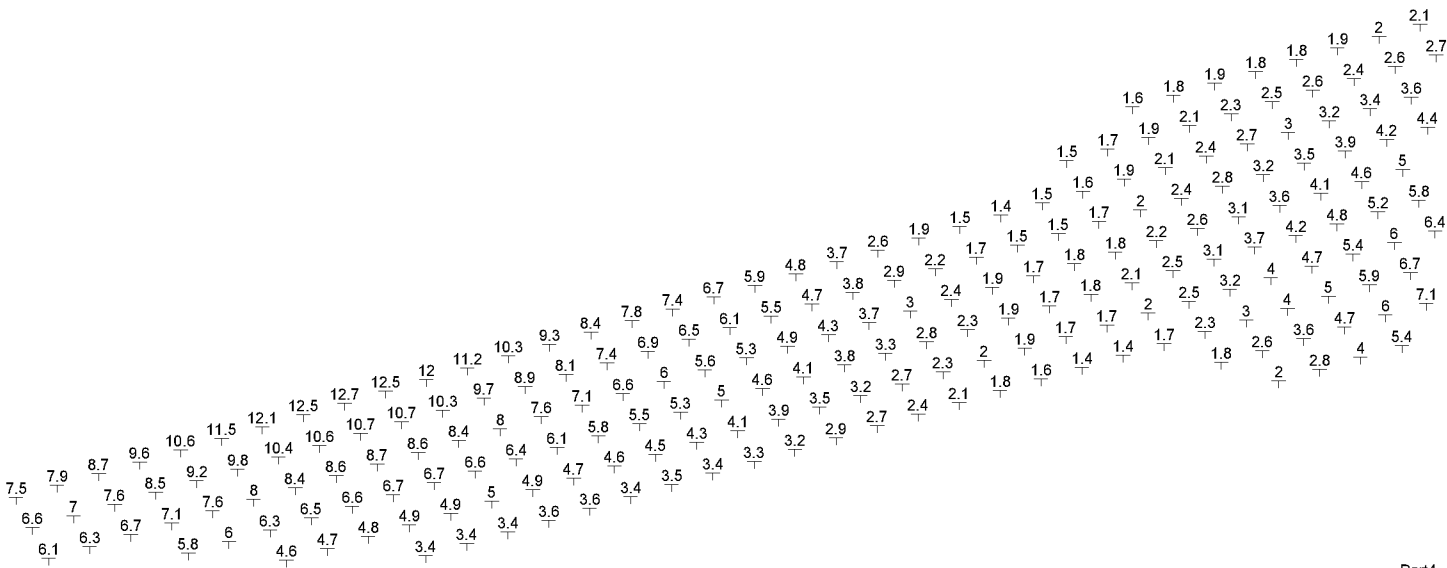


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022

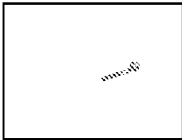


2.3 Calculation results, Exterior 1

2.3.31 Table, Main Road Part 2 (E)



Part4

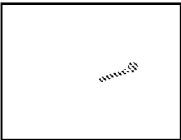
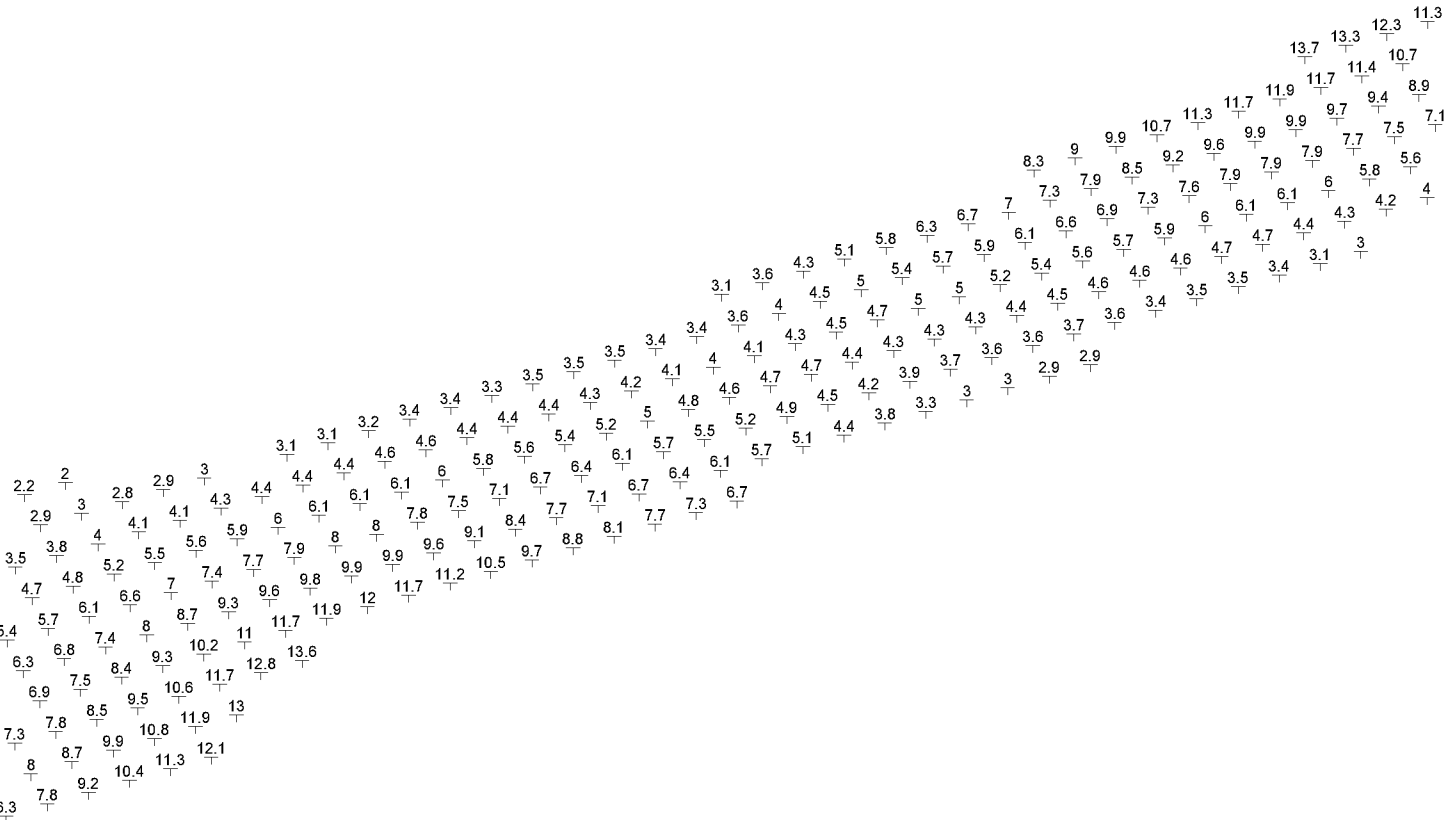


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.31 Table, Main Road Part 2 (E)

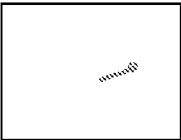
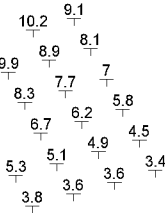


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.31 Table, Main Road Part 2 (E)

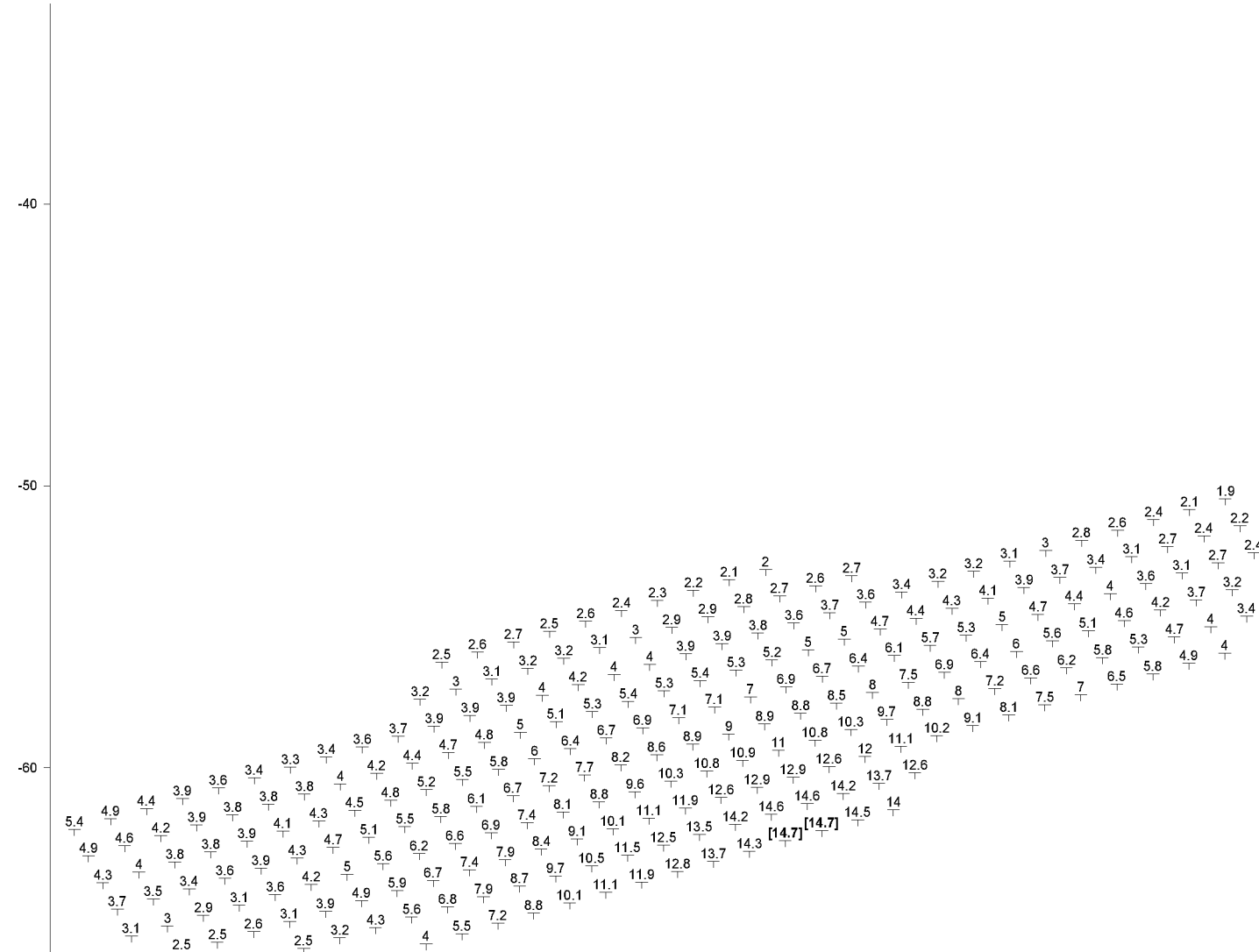


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022

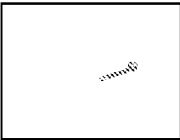


2.3 Calculation results, Exterior 1

2.3.31 Table, Main Road Part 2 (E)



Part7

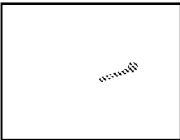
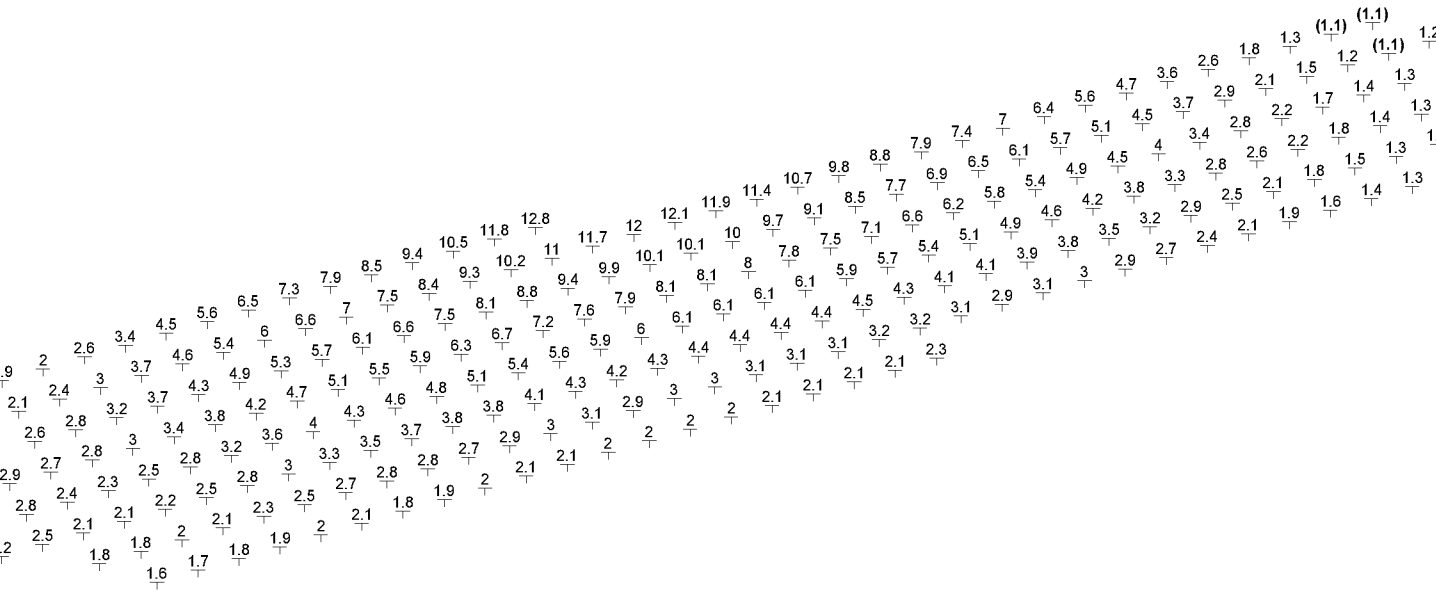


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.31 Table, Main Road Part 2 (E)

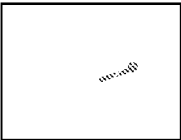
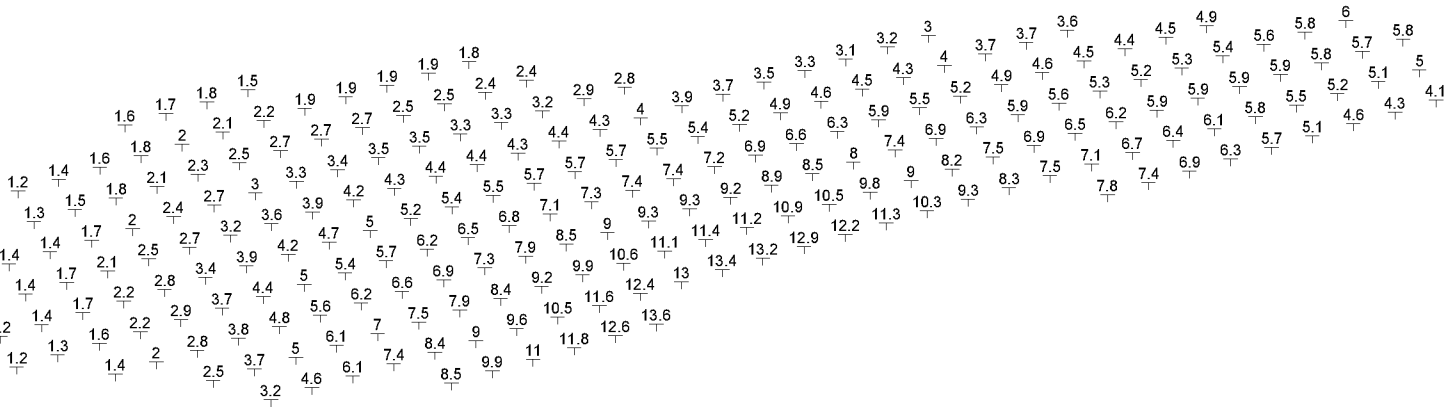


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

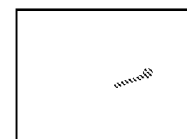
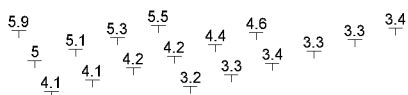
2.3.31 Table, Main Road Part 2 (E)





LUMEN
DESIGNERS

2.3.31 Table, Main Road Part 2 (E)



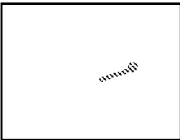
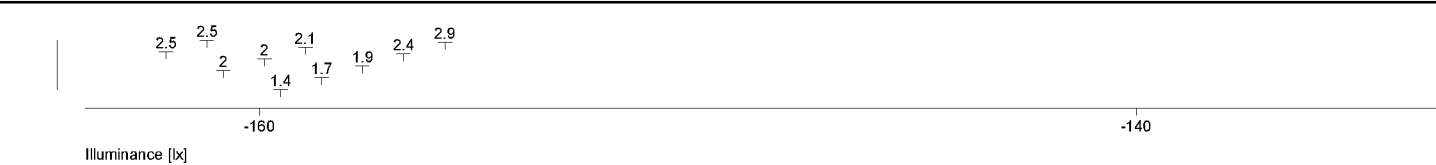
Part10

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.31 Table, Main Road Part 2 (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.32 Table, Main Road Pavement North Side Part 2 (E)



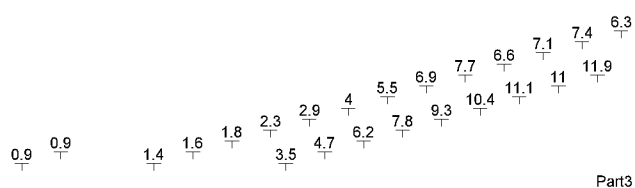
Part1

Height reference plane		: 0.01 m
Average illuminance	Em	: 3.5 lx
Minimum illuminance	Emin	: 0.8 lx
Maximum illuminance	Emax	: 13.2 lx
Uniformity Uo	Emin/Em	: 1 : 4.40 (0.23)
Diversity Ud	Emin/Emax	: 1 : 16.76 (0.06)

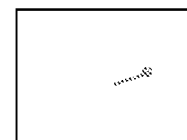


LUMEN
DESIGNERS

2.3.32 Table, Main Road Pavement North Side Part 2 (E)



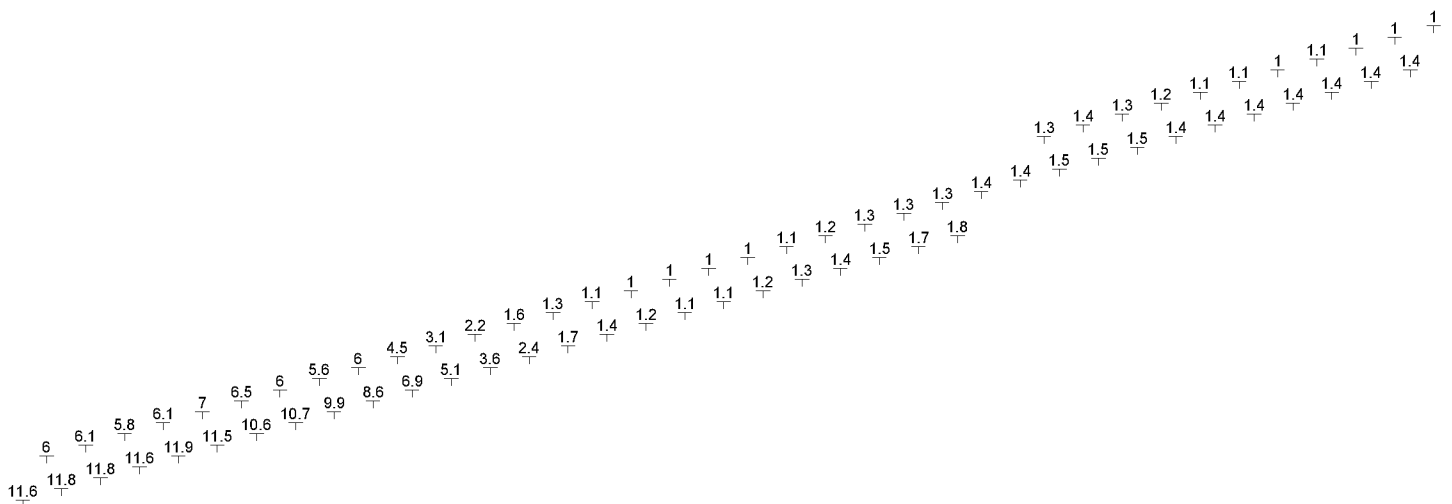
Part3



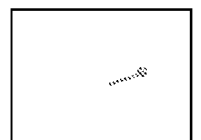


LUNEN
 DESIGNERS

2.3.32 Table, Main Road Pavement North Side Part 2 (E)



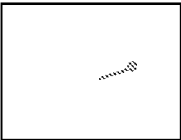
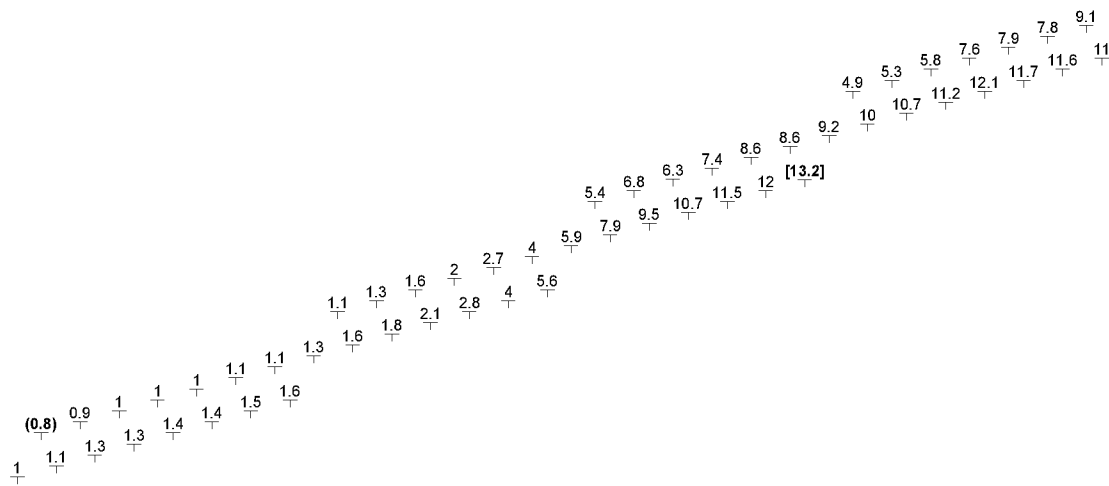
Part4



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



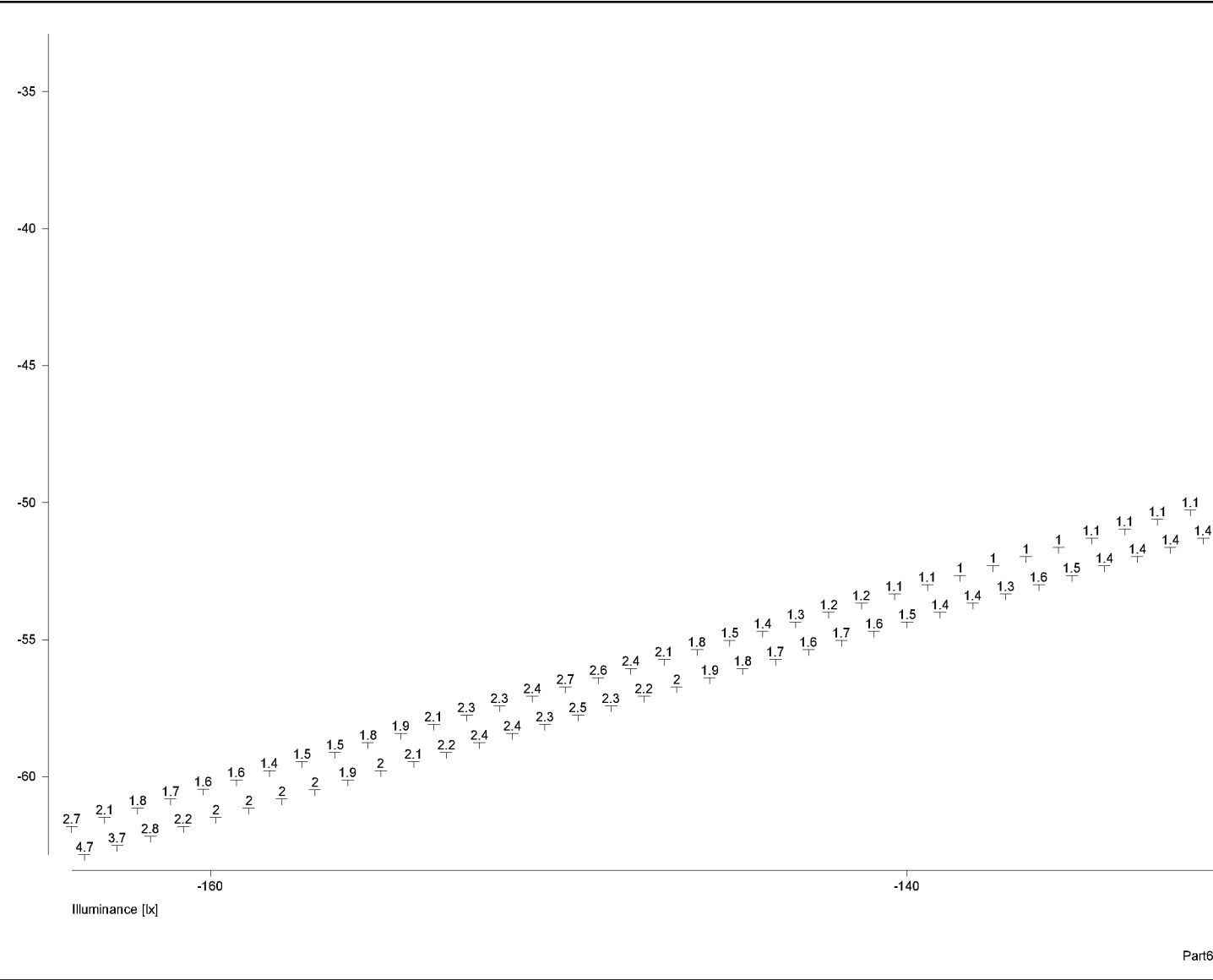
2.3 Calculation results, Exterior 1
2.3.32 Table, Main Road Pavement North Side Part 2 (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



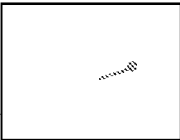
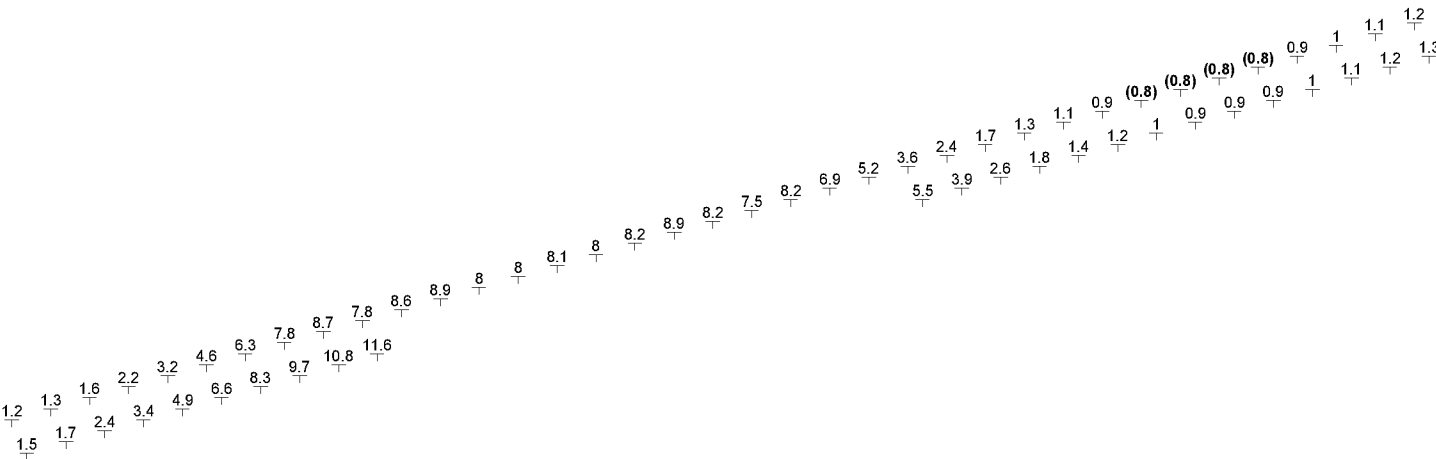
2.3 Calculation results, Exterior 1
2.3.32 Table, Main Road Pavement North Side Part 2 (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



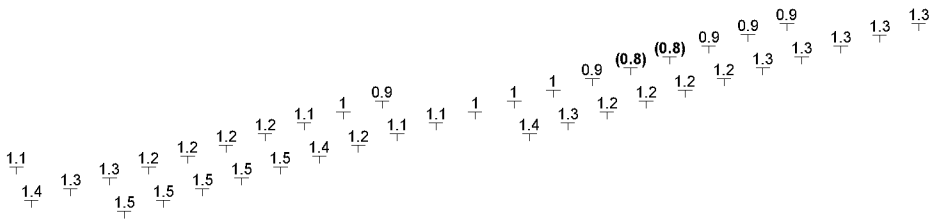
2.3 Calculation results, Exterior 1
2.3.32 Table, Main Road Pavement North Side Part 2 (E)



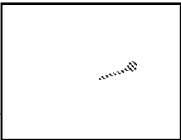
Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.32 Table, Main Road Pavement North Side Part 2 (E)



-80



Part8

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.33 Table, Main Road Pavement South Side Part 2 (E)



Part1

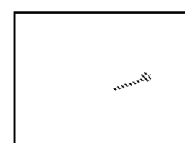
Height reference plane		: 0.01 m
Average illuminance	Em	: 3.8 lx
Minimum illuminance	Emin	: 0.7 lx
Maximum illuminance	Emax	: 14.3 lx
Uniformity Uo	Emin/Em	: 1 : 5.65 (0.18)
Diversity Ud	Emin/Emax	: 1 : 21.23 (0.05)



LUMEN
DESIGNERS

2.3.33 Table, Main Road Pavement South Side Part 2 (E)

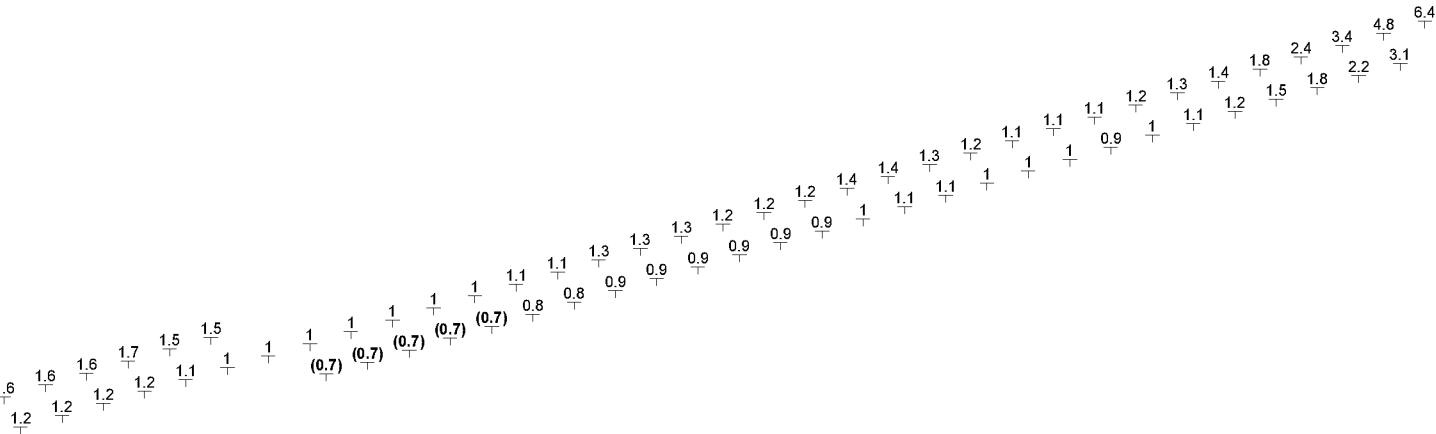
Part3



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.33 Table, Main Road Pavement South Side Part 2 (E)



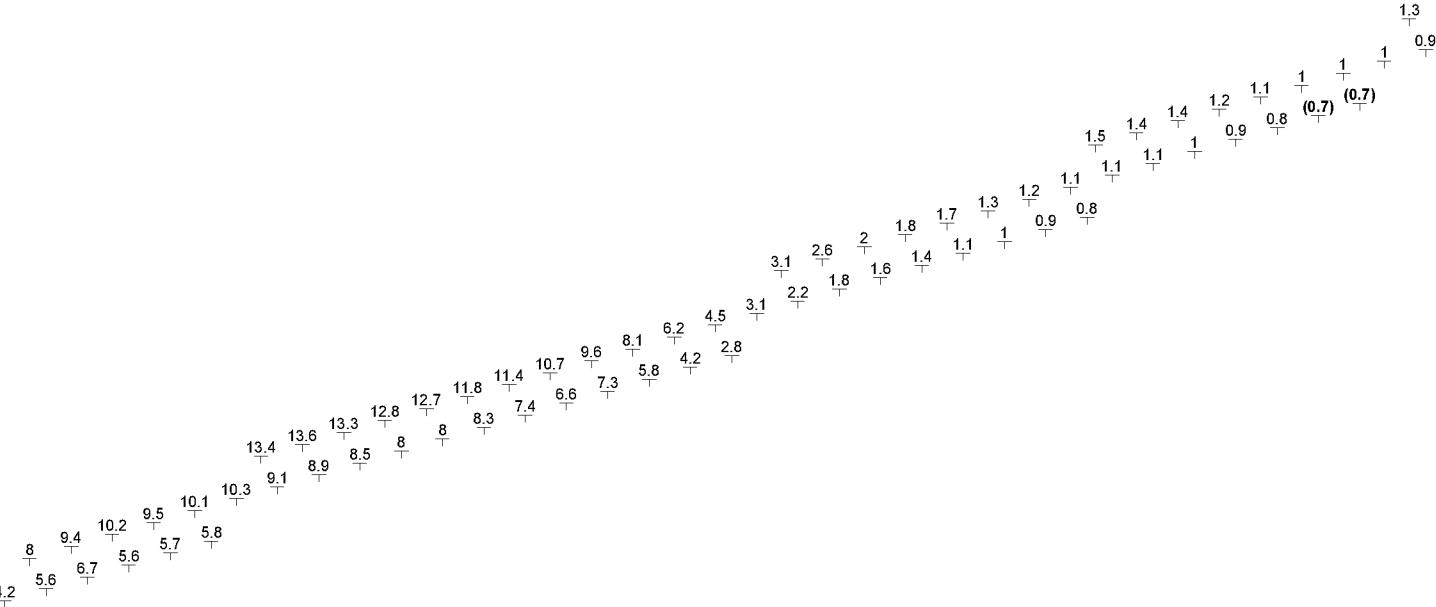
Part4



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



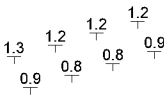
2.3 Calculation results, Exterior 1
2.3.33 Table, Main Road Pavement South Side Part 2 (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



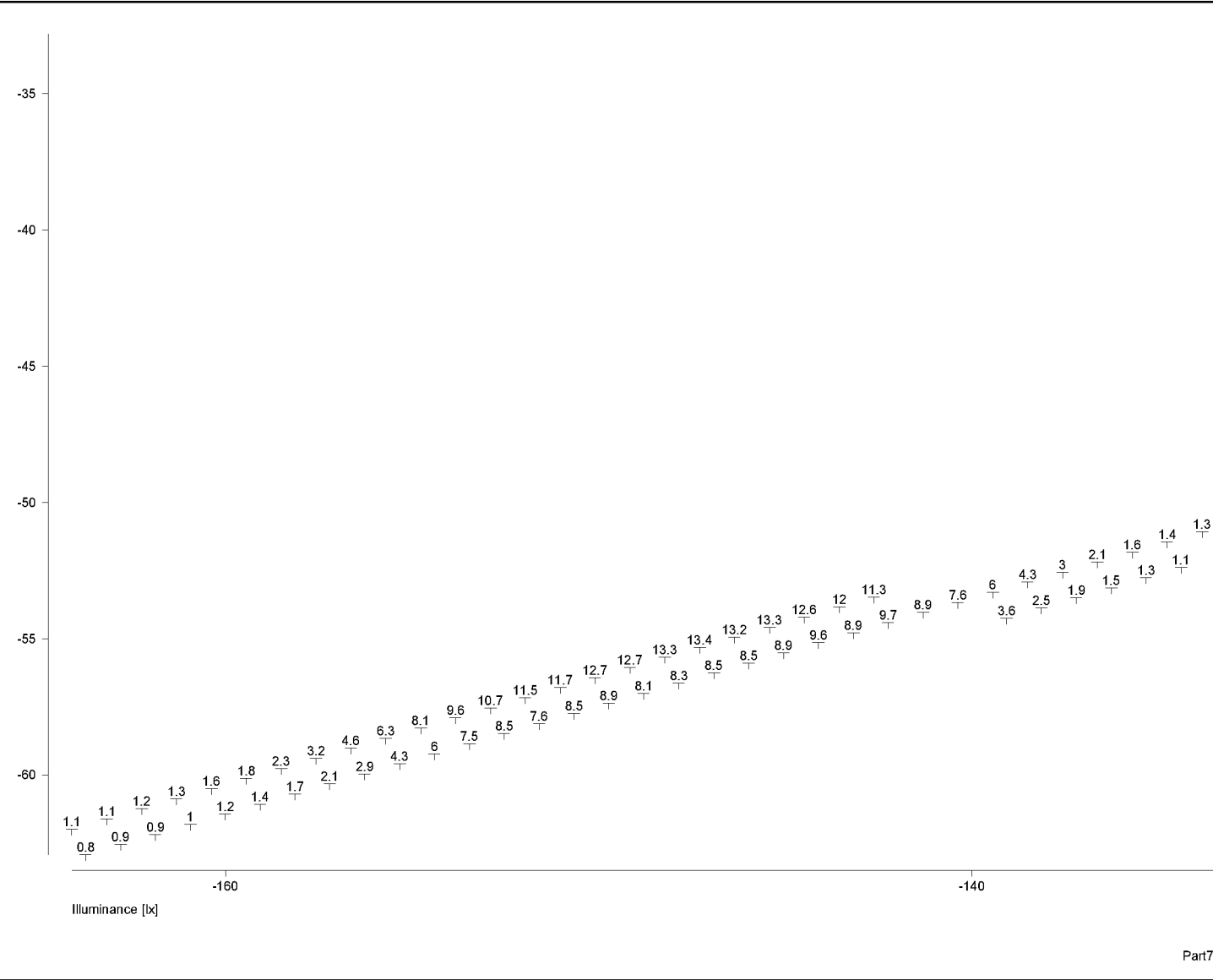
2.3 Calculation results, Exterior 1
2.3.33 Table, Main Road Pavement South Side Part 2 (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.33 Table, Main Road Pavement South Side Part 2 (E)



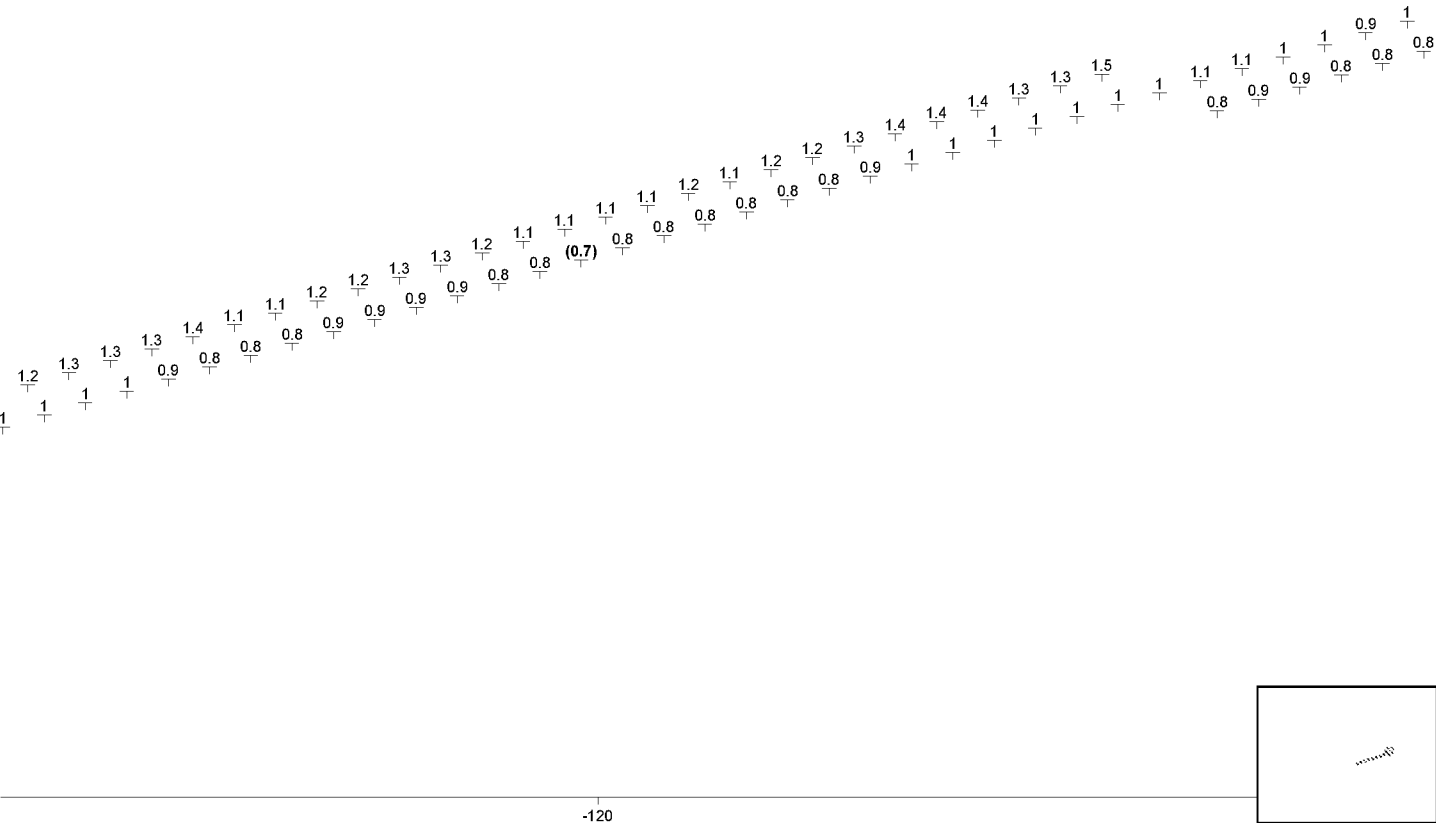
Part7



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



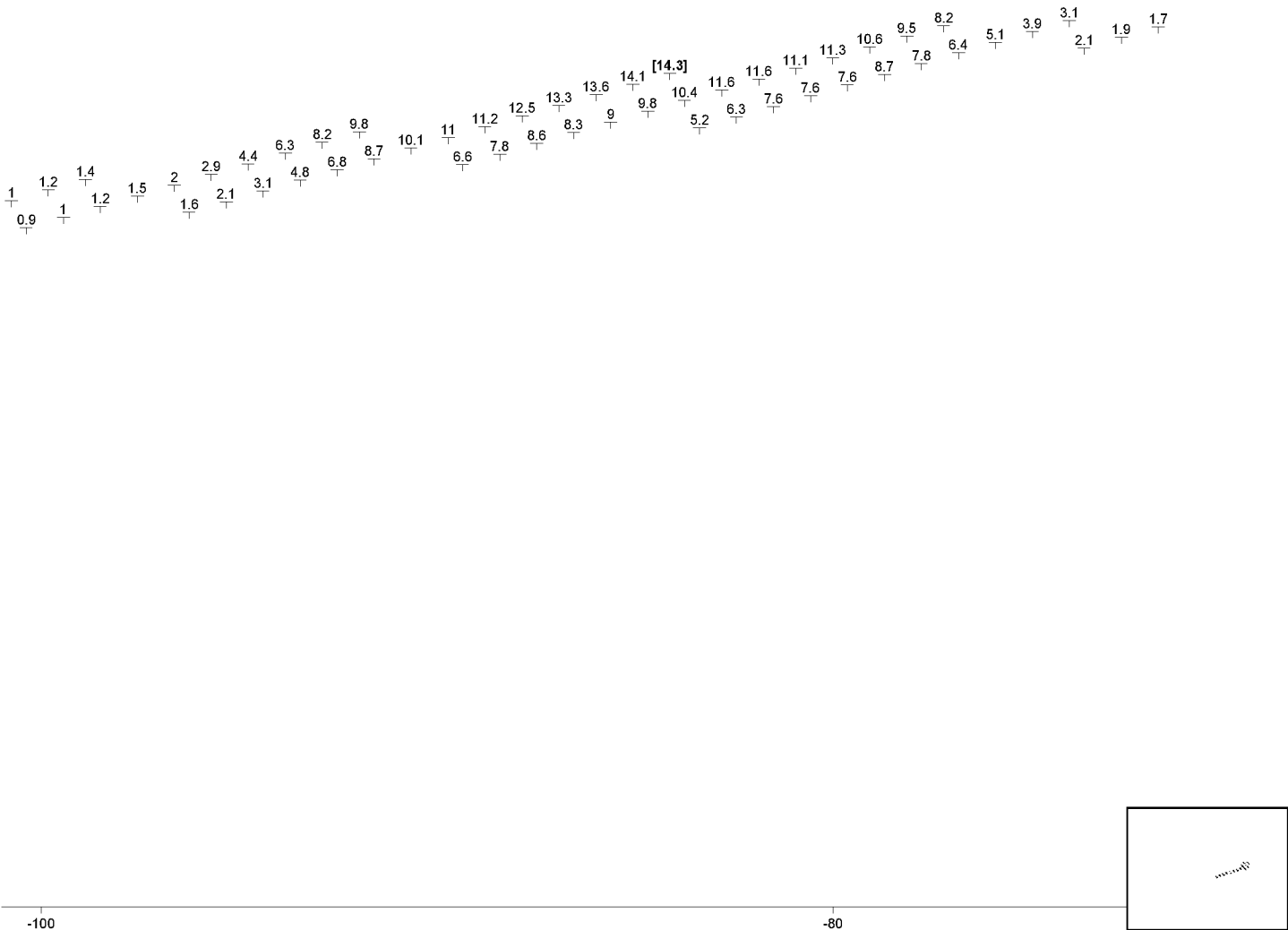
2.3 Calculation results, Exterior 1
2.3.33 Table, Main Road Pavement South Side Part 2 (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.33 Table, Main Road Pavement South Side Part 2 (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.34 Table, Main Road Part 3 (E)



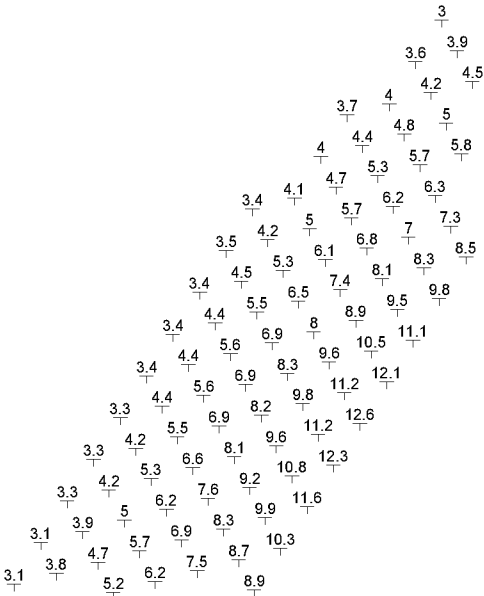
Height reference plane		: 0.01 m
Average illuminance	Em	: 5.4 lx
Minimum illuminance	Emin	: 1.3 lx
Maximum illuminance	Emax	: 14.5 lx
Uniformity Uo	Emin/Em	: 1 : 4.23 (0.24)
Diversity Ud	Emin/Emax	: 1 : 11.30 (0.09)

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022

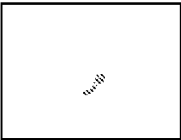


2.3 Calculation results, Exterior 1

2.3.34 Table, Main Road Part 3 (E)



Part2

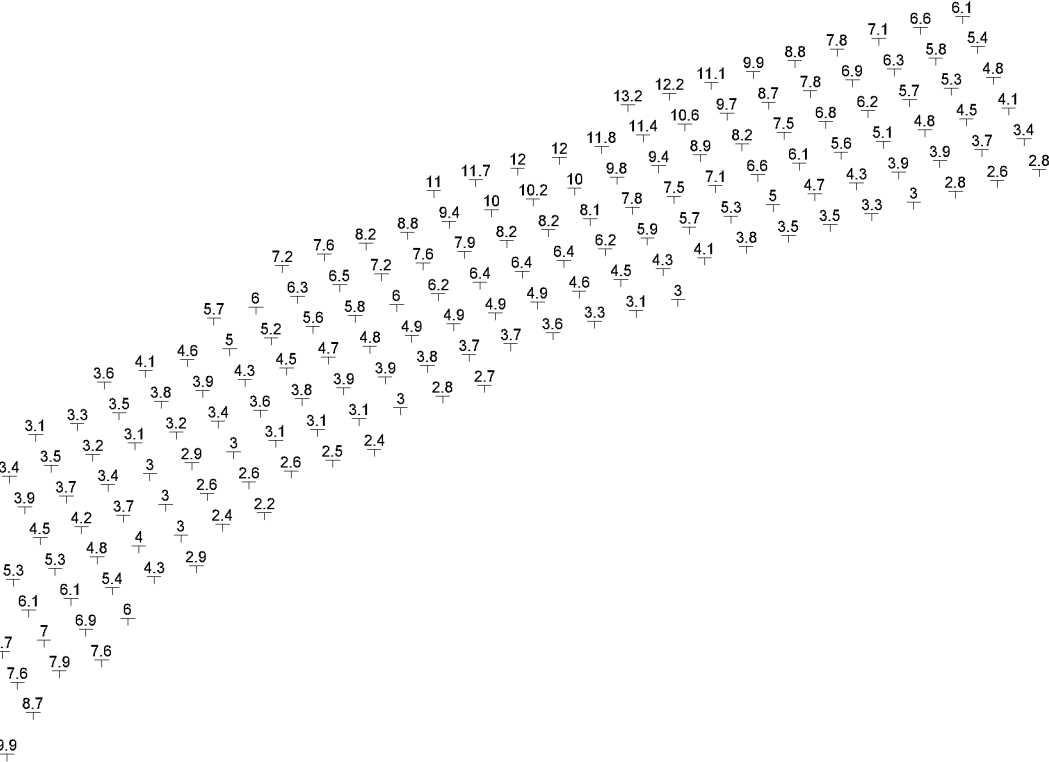


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.34 Table, Main Road Part 3 (E)



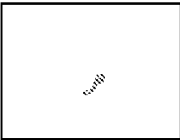
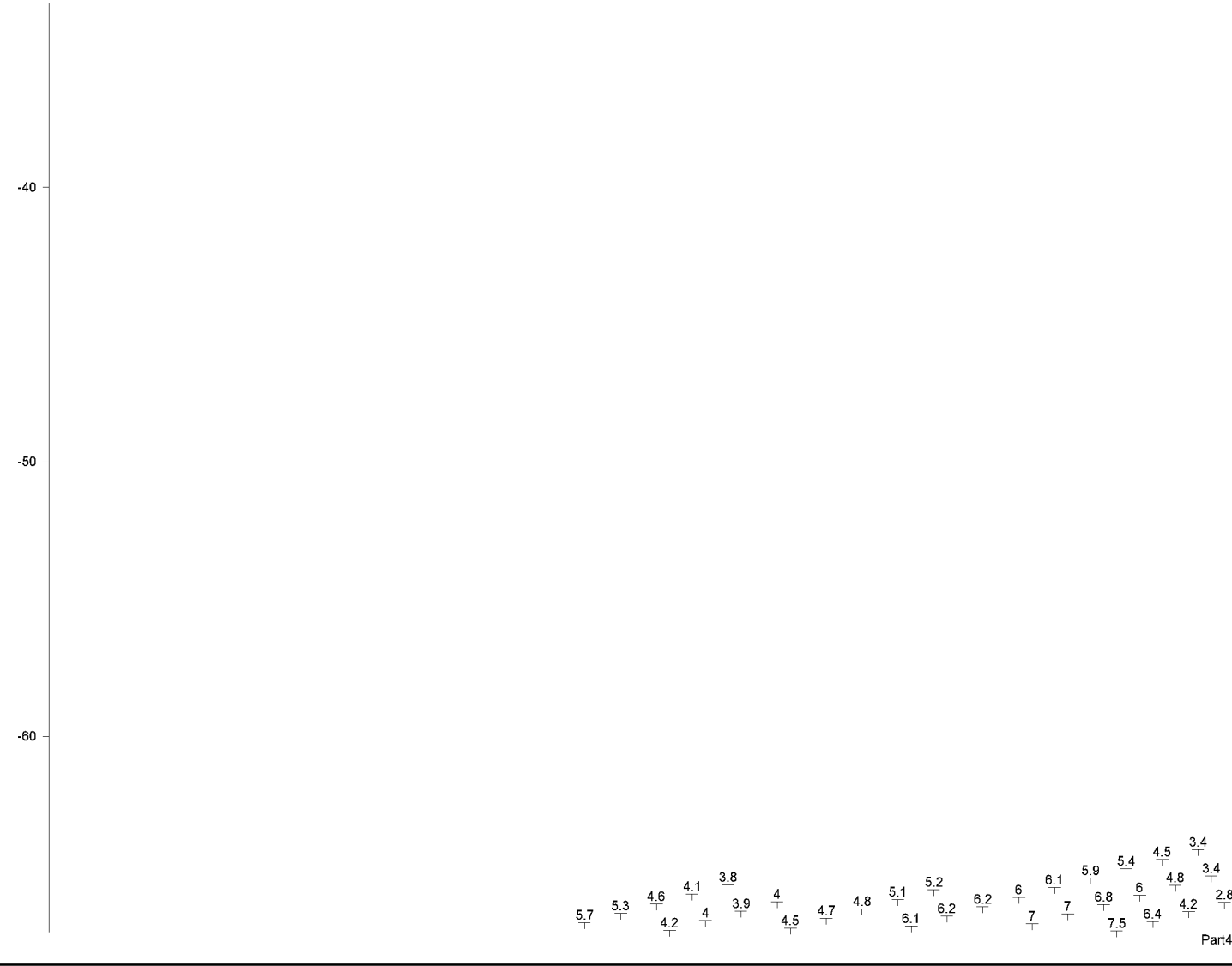
Part3

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

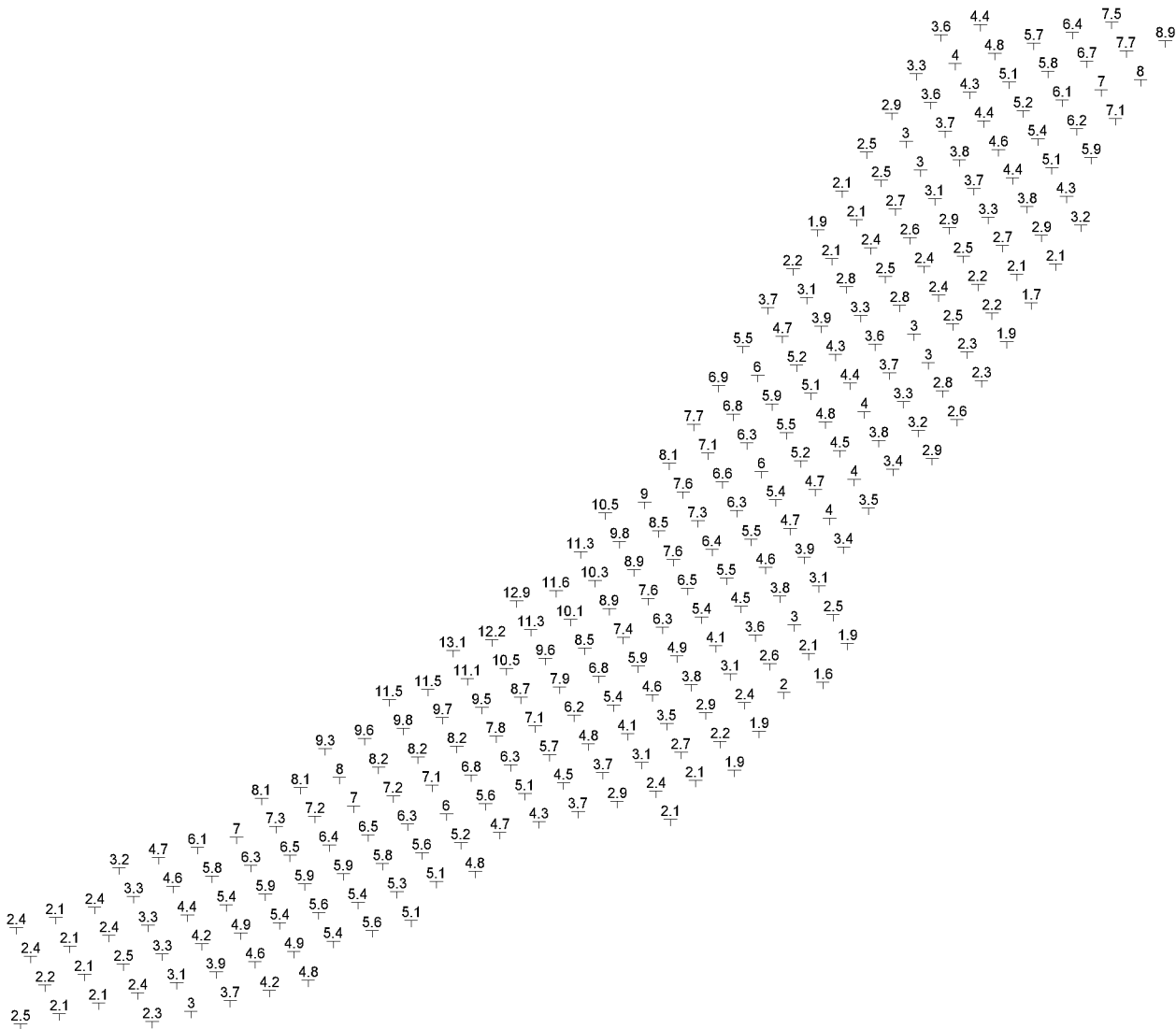
2.3.34 Table, Main Road Part 3 (E)





2.3 Calculation results, Exterior 1

2.3.34 Table, Main Road Part 3 (E)

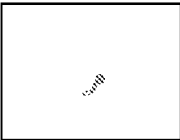
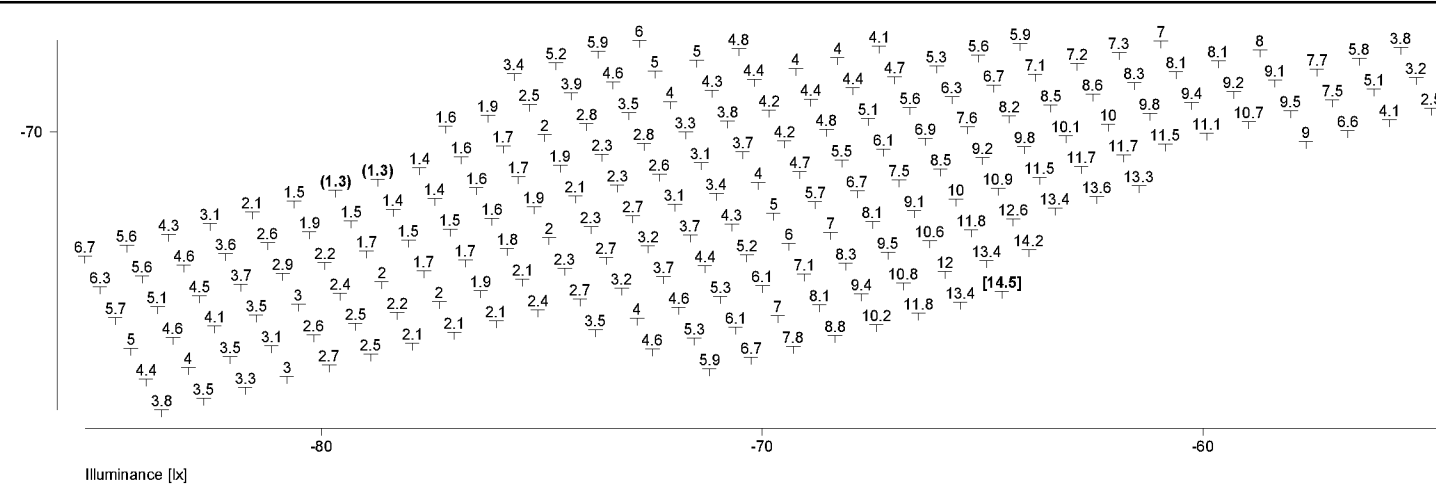


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.34 Table, Main Road Part 3 (E)

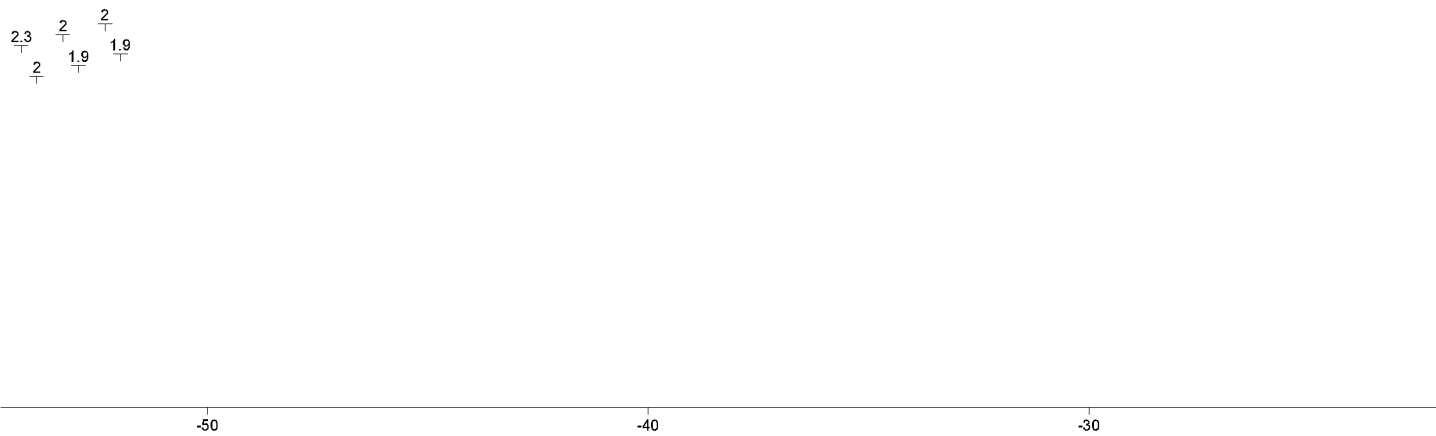


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.34 Table, Main Road Part 3 (E)



Part8

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022

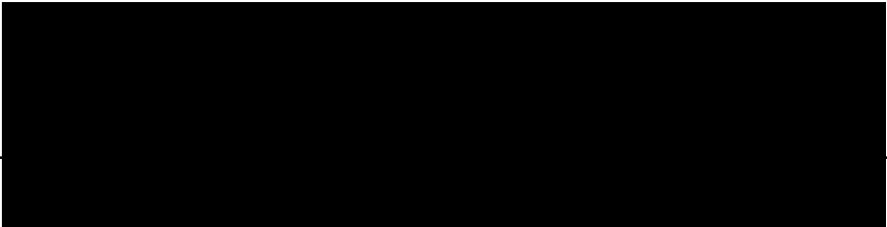


2.3 Calculation results, Exterior 1
2.3.35 Table, Main Road Pavement North Side Part 3 (E)



Part1

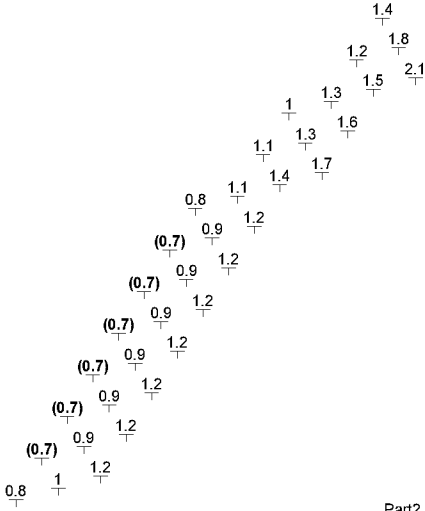
Height reference plane		: 0.01 m
Average illuminance	Em	: 4.3 lx
Minimum illuminance	Emin	: 0.7 lx
Maximum illuminance	Emax	: 14.1 lx
Uniformity Uo	Emin/Em	: 1 : 6.32 (0.16)
Diversity Ud	Emin/Emax	: 1 : 20.72 (0.05)



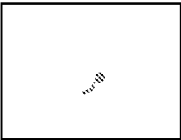
Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.35 Table, Main Road Pavement North Side Part 3 (E)



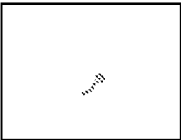
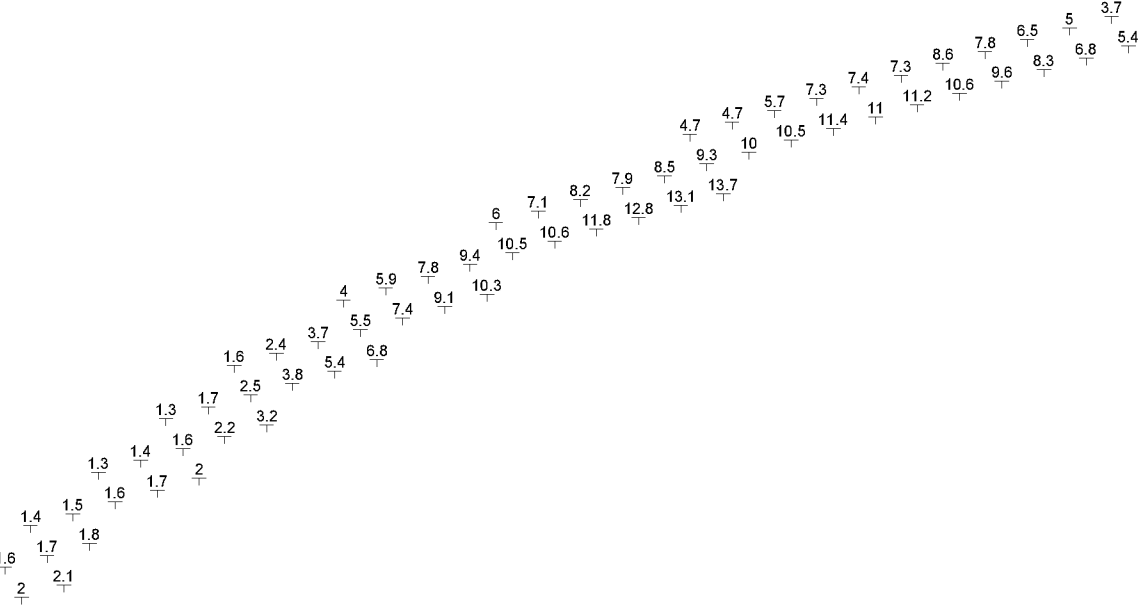
Part2



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.35 Table, Main Road Pavement North Side Part 3 (E)

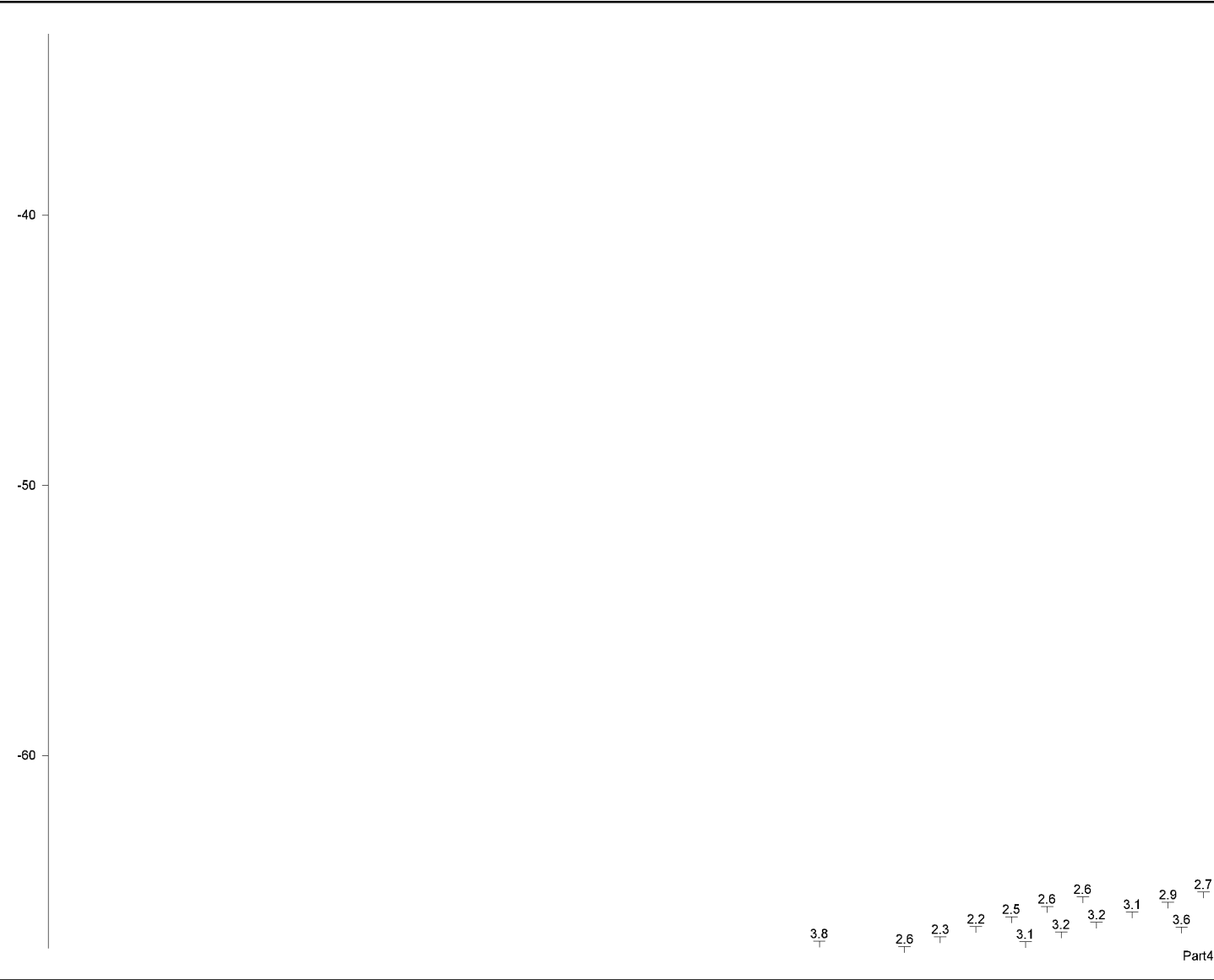


Part3

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



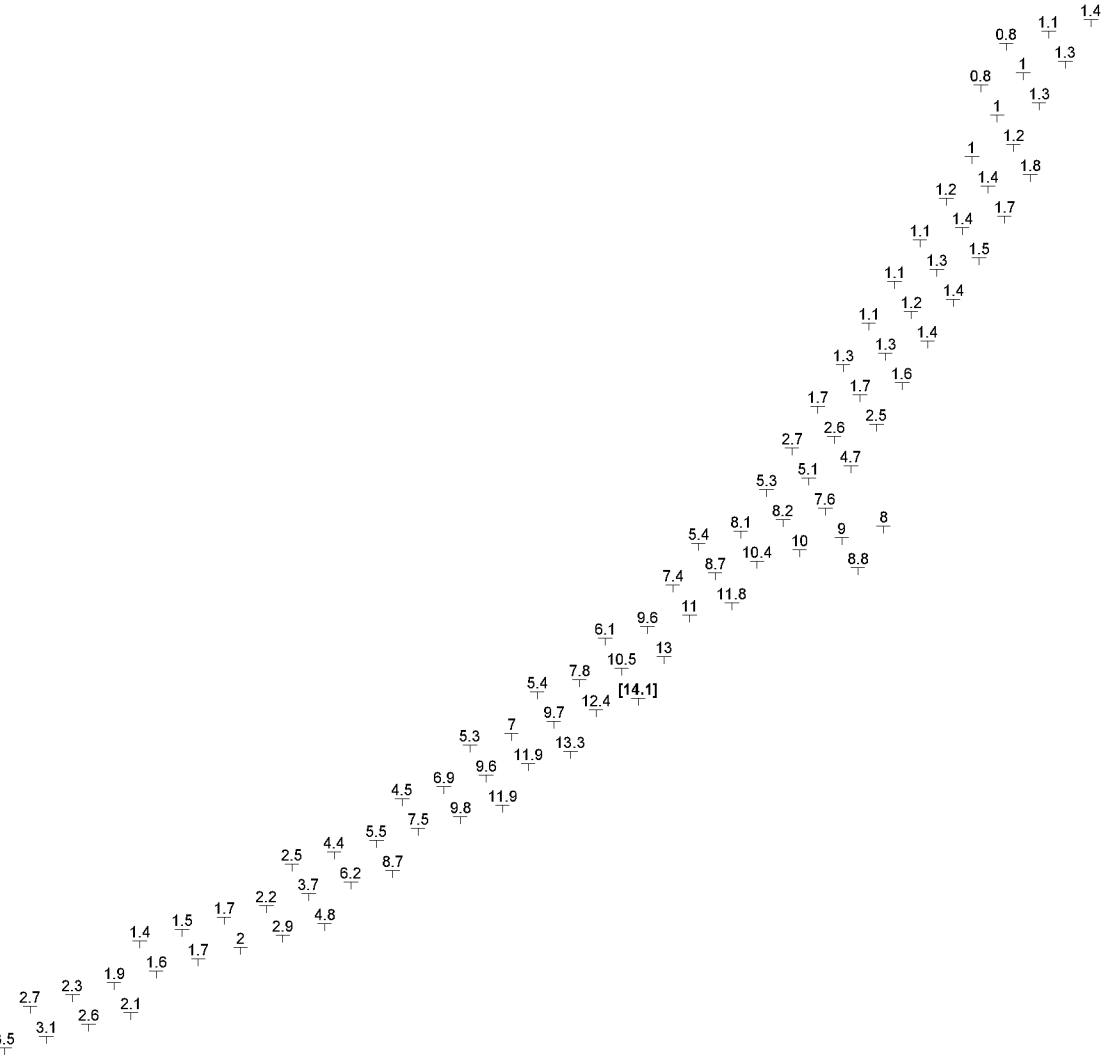
2.3 Calculation results, Exterior 1
2.3.35 Table, Main Road Pavement North Side Part 3 (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.35 Table, Main Road Pavement North Side Part 3 (E)

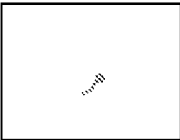
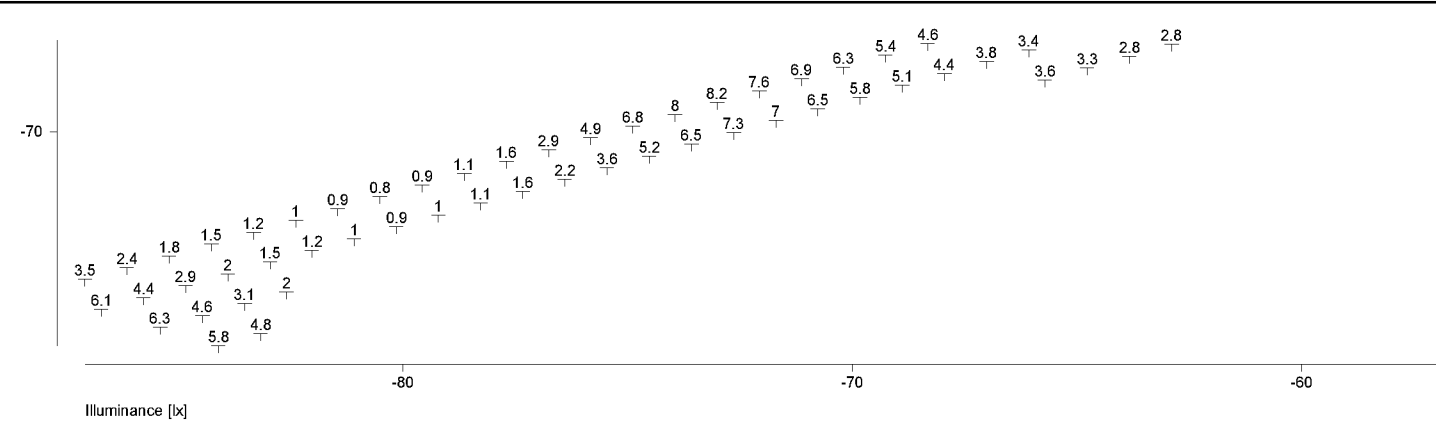


Part5

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.35 Table, Main Road Pavement North Side Part 3 (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.36 Table, Main Road Pavement South Side Part 3 (E)

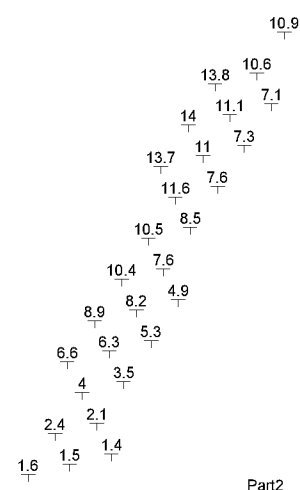


Height reference plane		: 0.01 m
Average illuminance	Em	: 3.6 lx
Minimum illuminance	Emin	: 0.7 lx
Maximum illuminance	Emax	: 14.9 lx
Uniformity Uo	Emin/Em	: 1 : 5.15 (0.19)
Diversity Ud	Emin/Emax	: 1 : 21.34 (0.05)

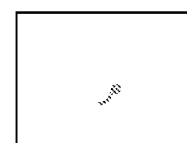


LUMEN
DESIGNERS

2.3.36 Table, Main Road Pavement South Side Part 3 (E)



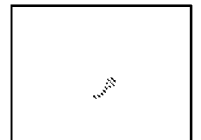
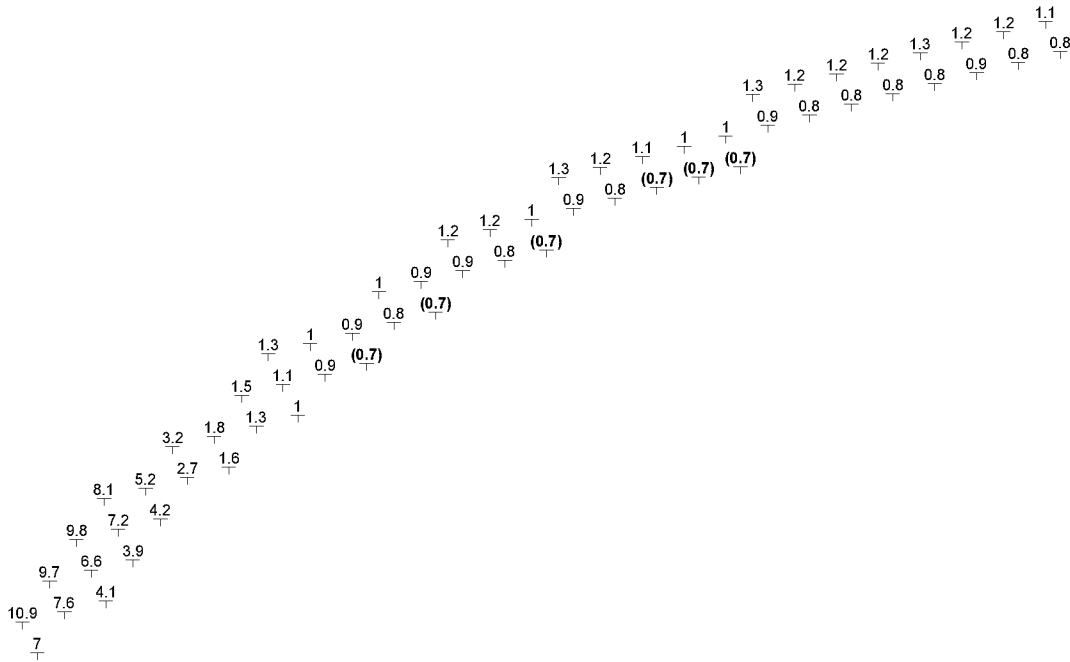
Part2





LUNEN
 DESIGNERS

2.3.36 Table, Main Road Pavement South Side Part 3 (E)

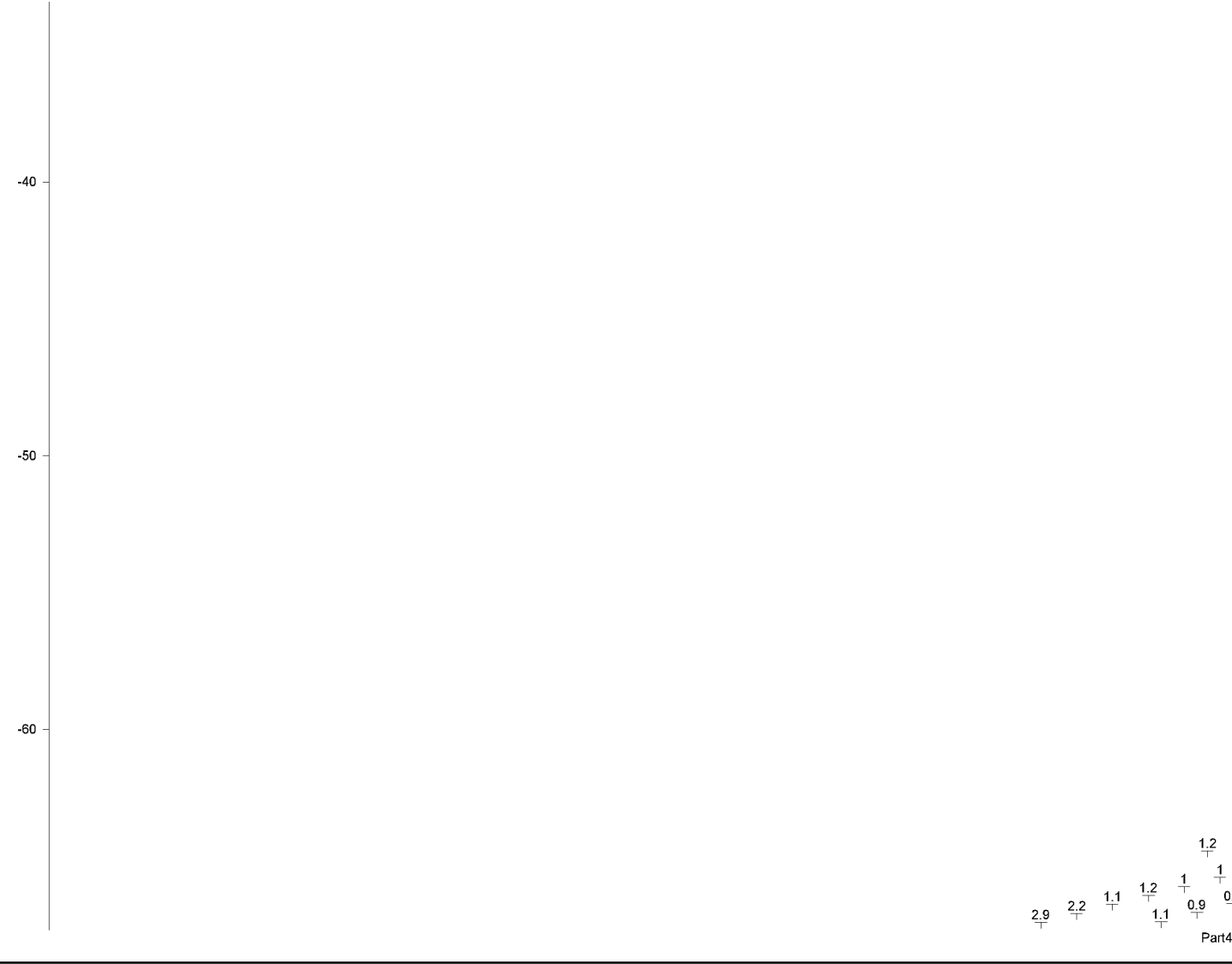


Part3

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



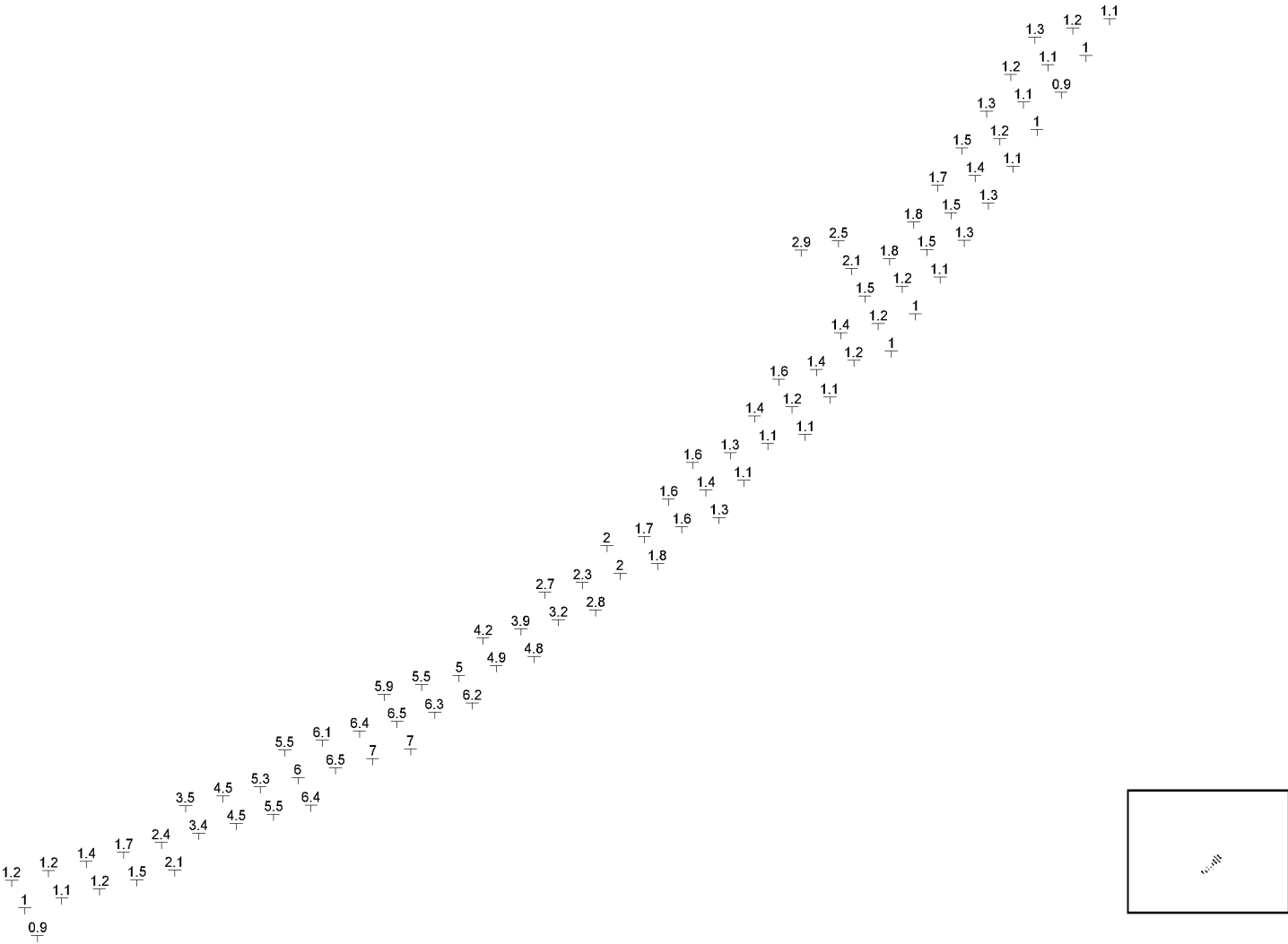
2.3 Calculation results, Exterior 1
2.3.36 Table, Main Road Pavement South Side Part 3 (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



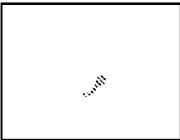
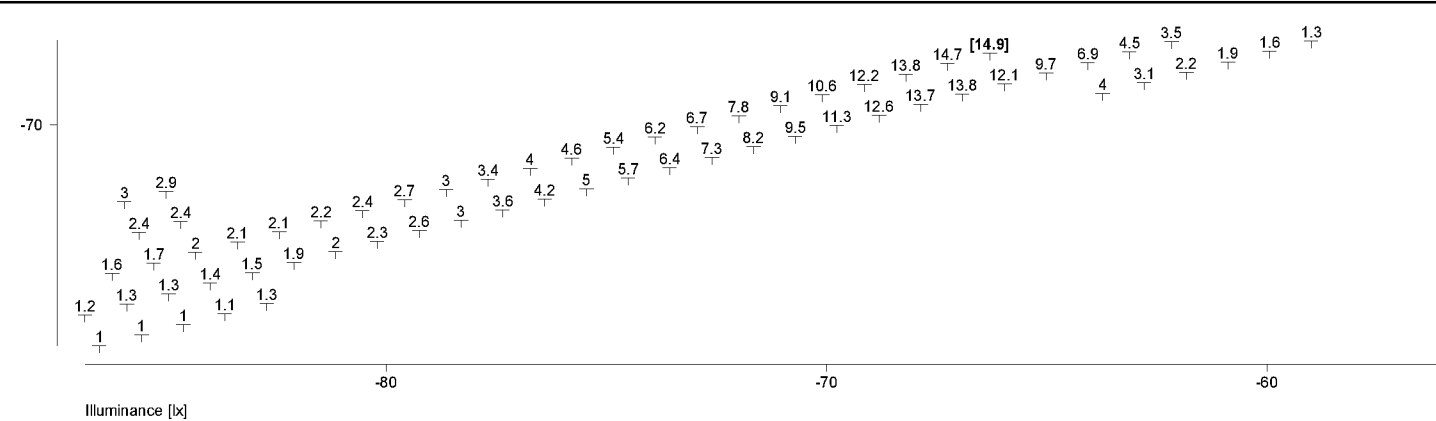
2.3 Calculation results, Exterior 1
2.3.36 Table, Main Road Pavement South Side Part 3 (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.36 Table, Main Road Pavement South Side Part 3 (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.37 Table, Main Road Part 4 (E)



Part1

Height reference plane	: 0.01 m
Average illuminance	Em : 5.7 lx
Minimum illuminance	Emin : 1.3 lx
Maximum illuminance	Emax : 15.2 lx
Uniformity Uo	Emin/Em : 1 : 4.42 (0.23)
Diversity Ud	Emin/Emax : 1 : 11.70 (0.09)

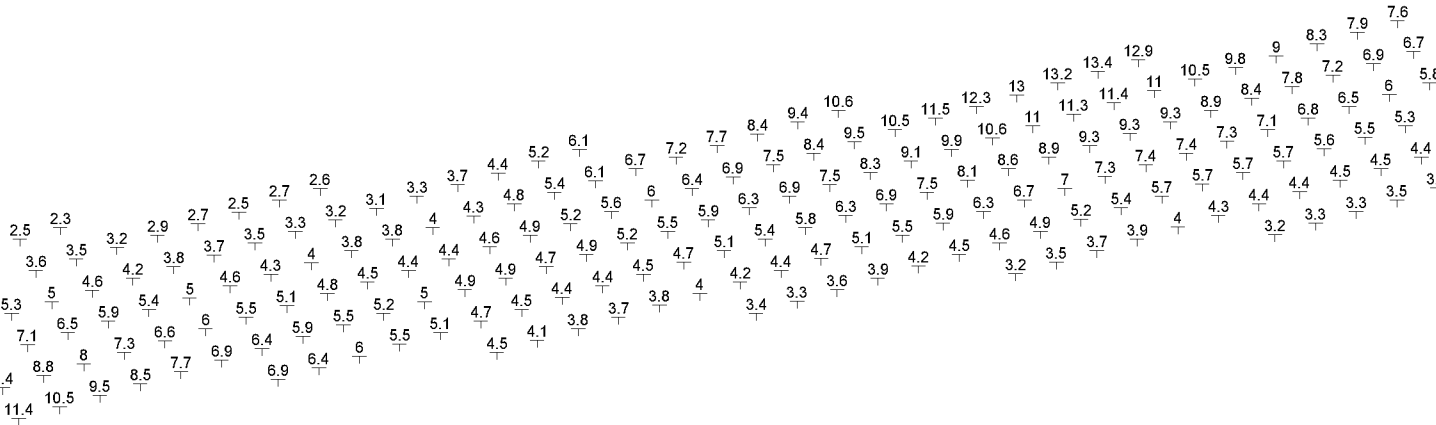


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.37 Table, Main Road Part 4 (E)



Part2

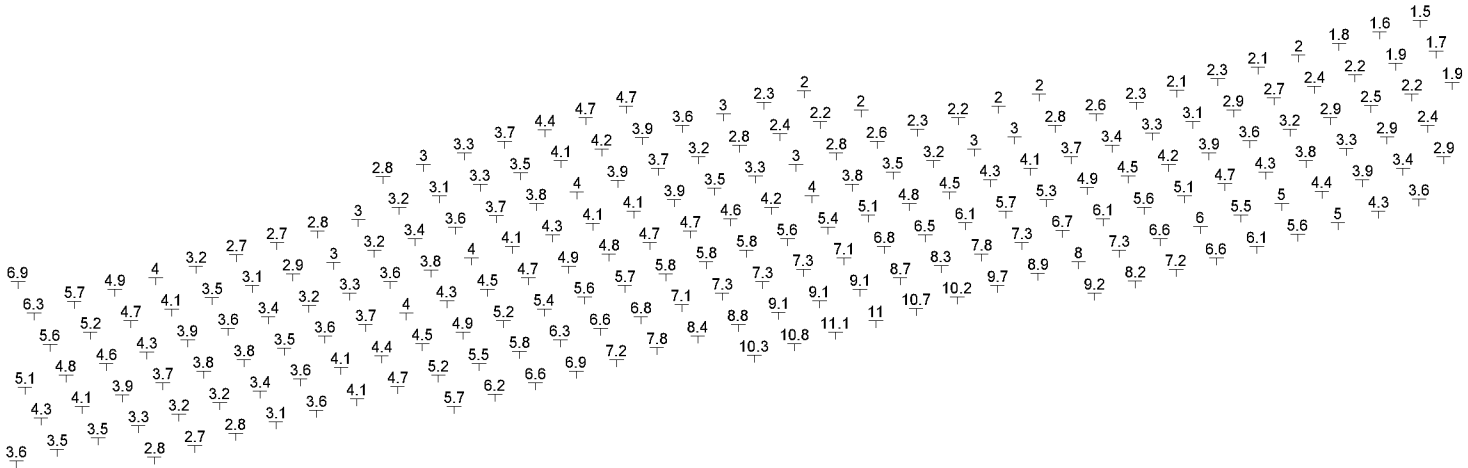


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.37 Table, Main Road Part 4 (E)

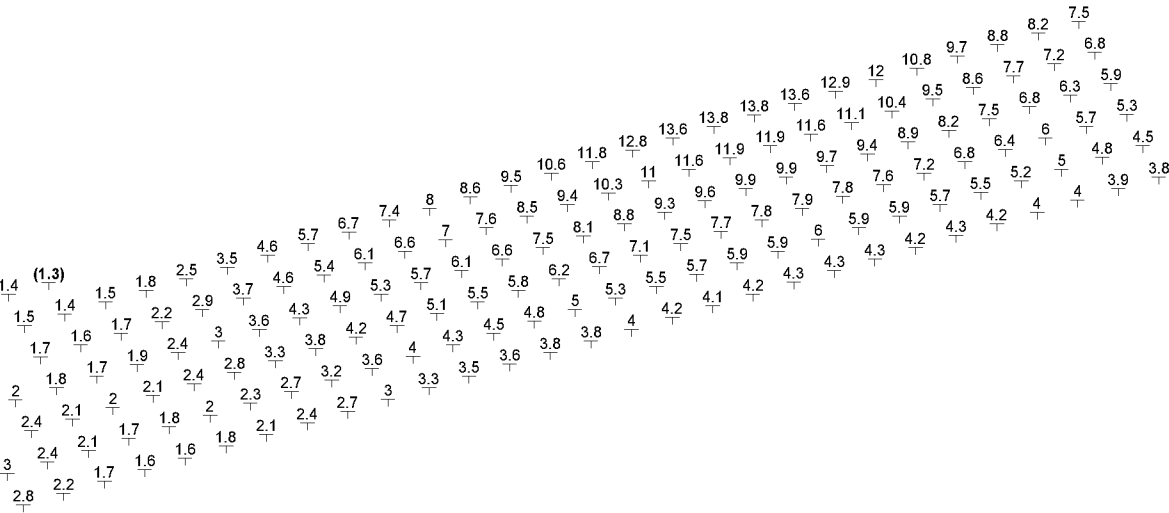


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.37 Table, Main Road Part 4 (E)





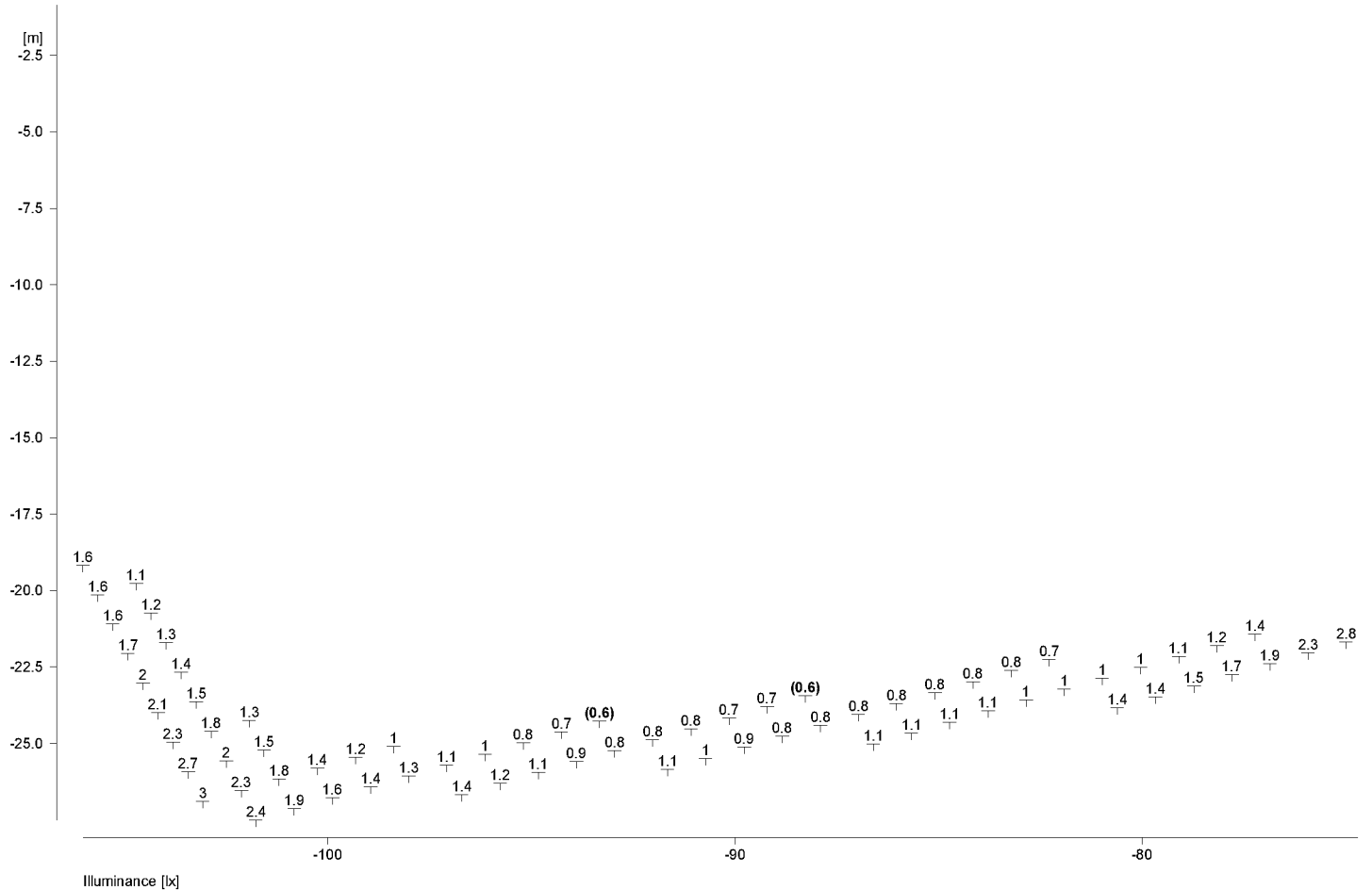
LUMEN
DESIGNERS

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



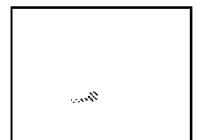
2.3 Calculation results, Exterior 1

2.3.38 Table, Main Road Pavement North Side Part 4 (E)



Part1

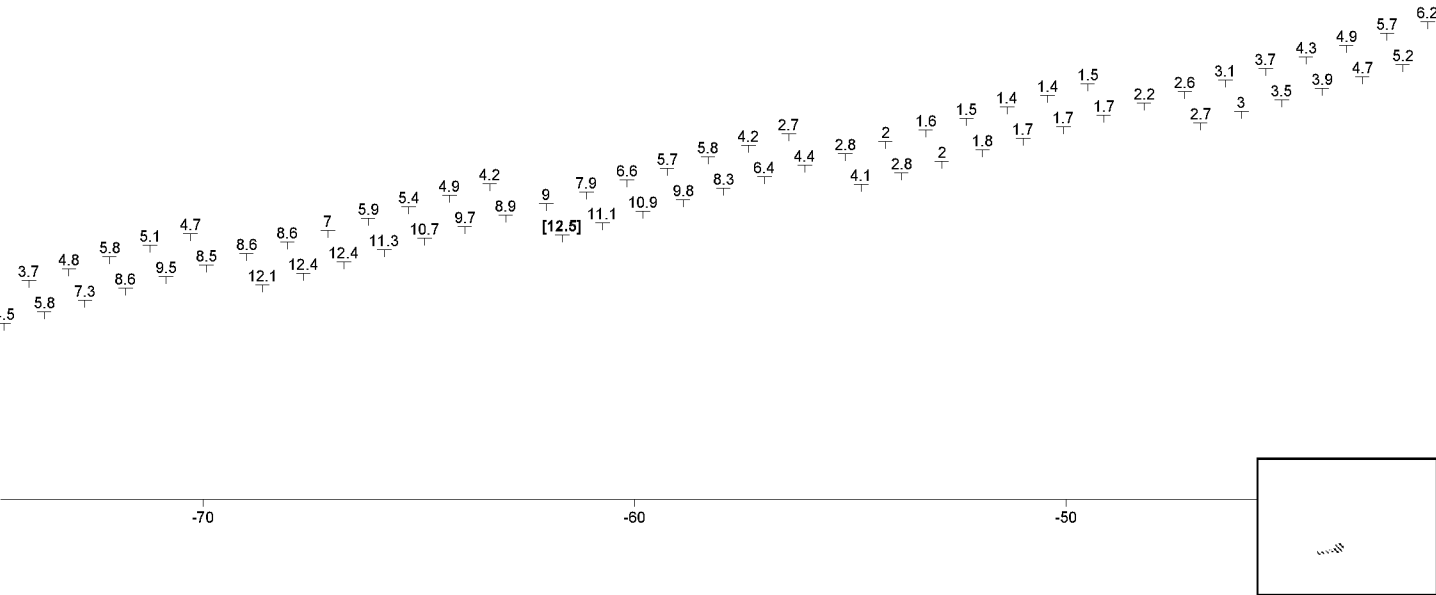
Height reference plane	: 0.01 m
Average illuminance	Em : 3.5 lx
Minimum illuminance	Emin : 0.6 lx
Maximum illuminance	Emax : 12.5 lx
Uniformity Uo	Emin/Em : 1 : 6.18 (0.16)
Diversity Ud	Emin/Emax : 1 : 22.15 (0.05)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



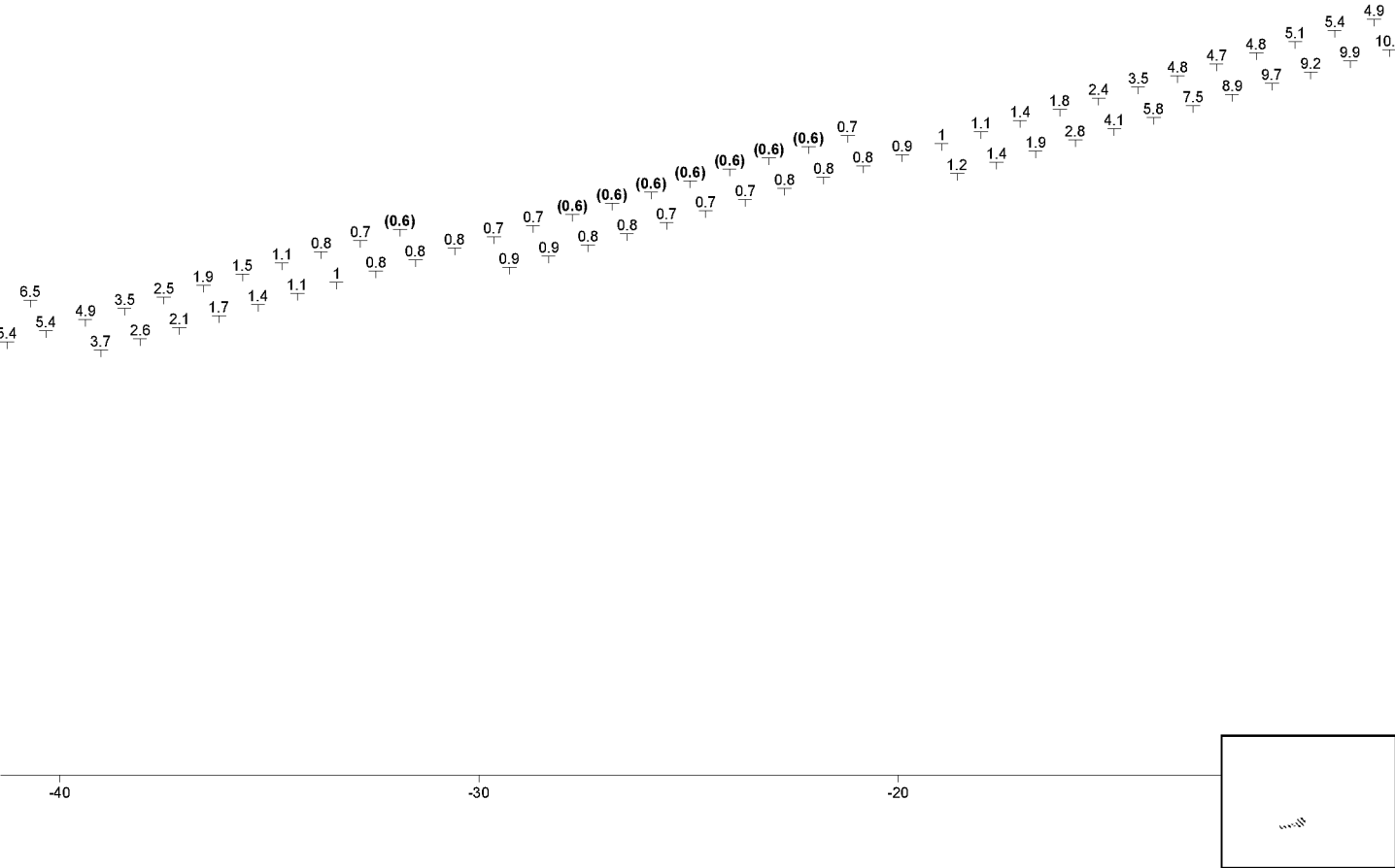
2.3 Calculation results, Exterior 1
2.3.38 Table, Main Road Pavement North Side Part 4 (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



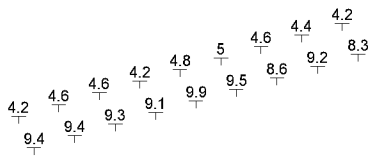
2.3 Calculation results, Exterior 1
2.3.38 Table, Main Road Pavement North Side Part 4 (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.38 Table, Main Road Pavement North Side Part 4 (E)



0 [m]

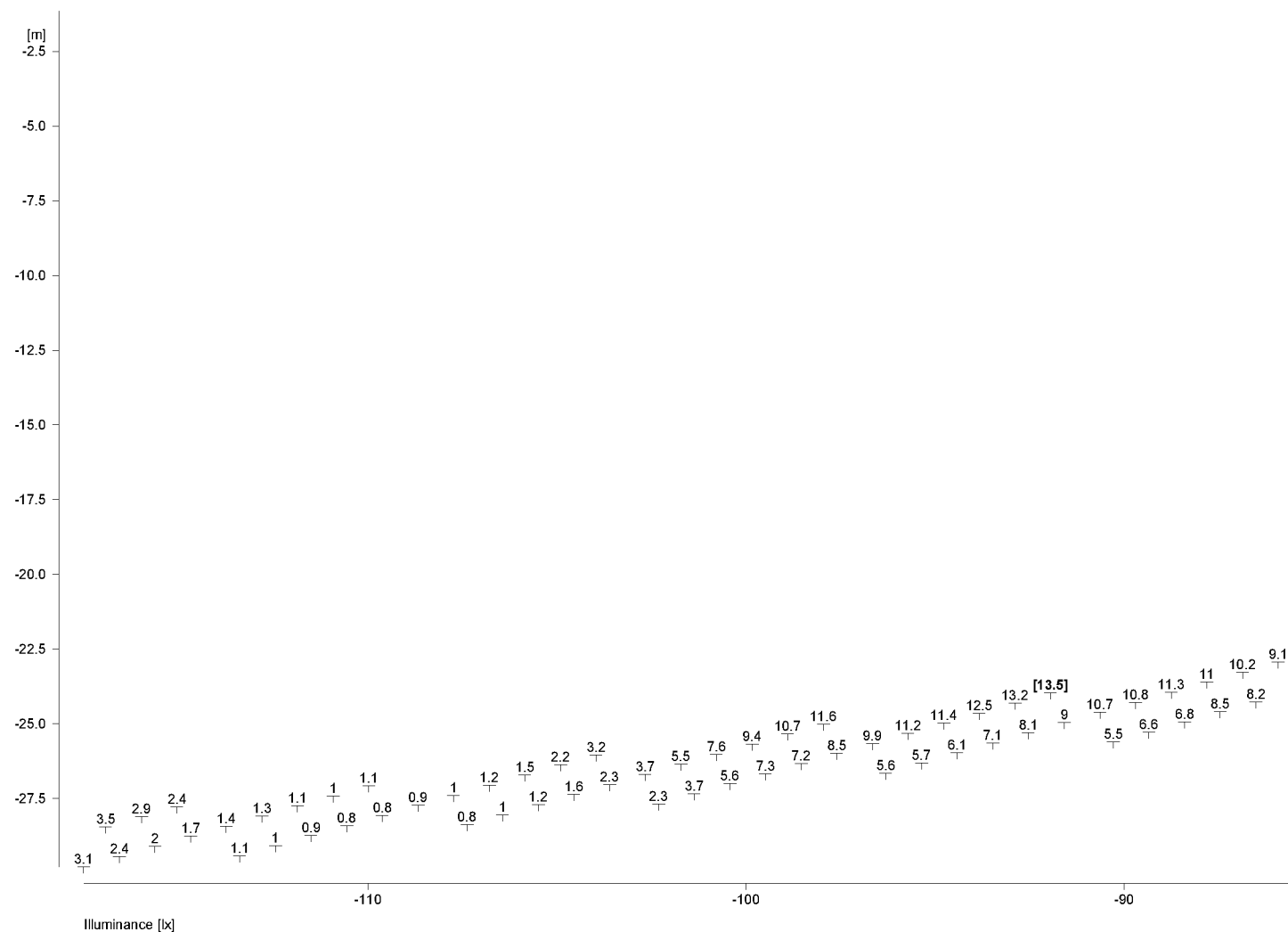


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.39 Table, Main Road Pavement South Side Part 4 (E)



Part1

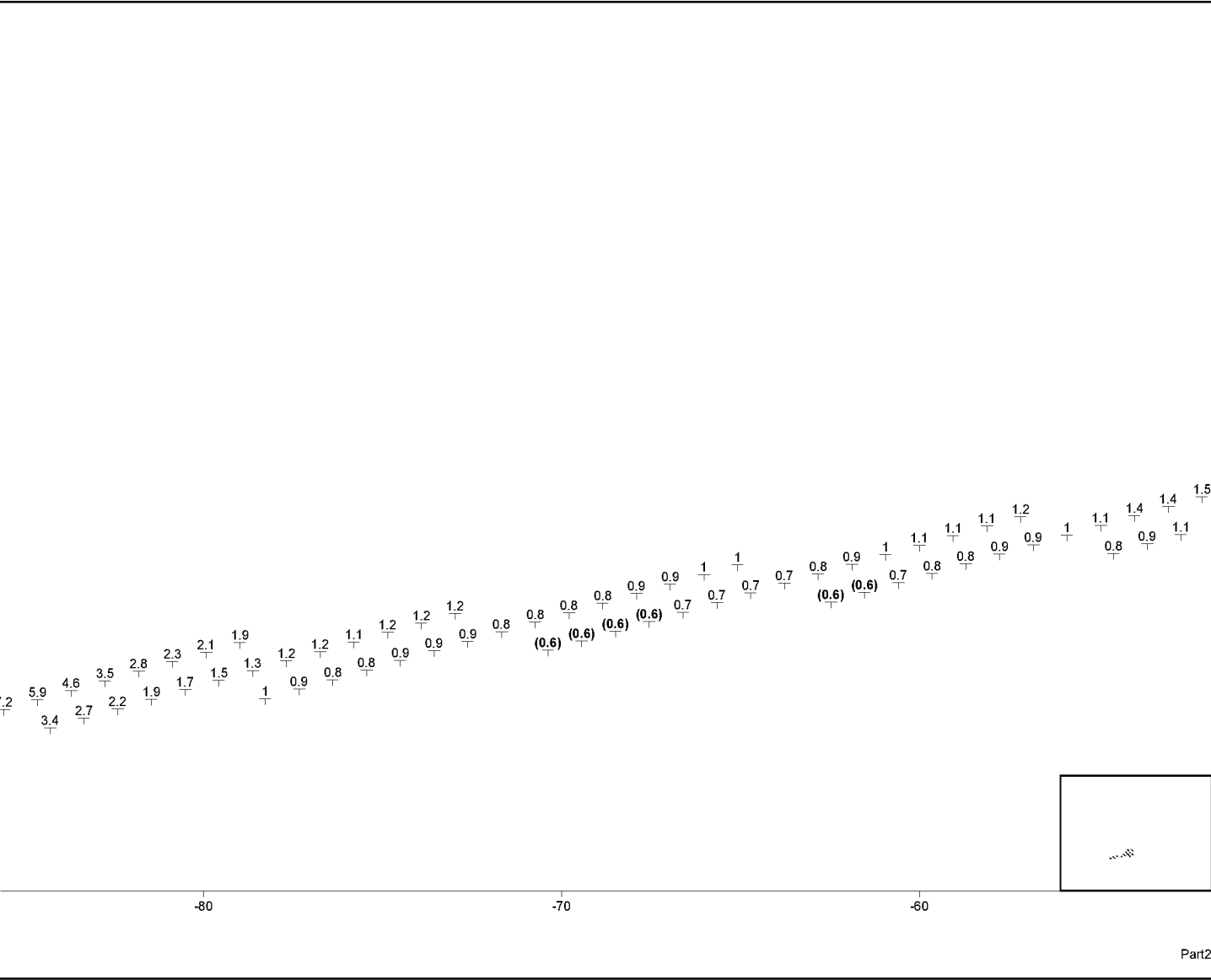
Height reference plane	: 0.01 m
Average illuminance	Em : 3.5 lx
Minimum illuminance	Emin : 0.6 lx
Maximum illuminance	Emax : 13.5 lx
Uniformity Uo	Emin/Em : 1 : 6.17 (0.16)
Diversity Ud	Emin/Emax : 1 : 24.15 (0.04)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



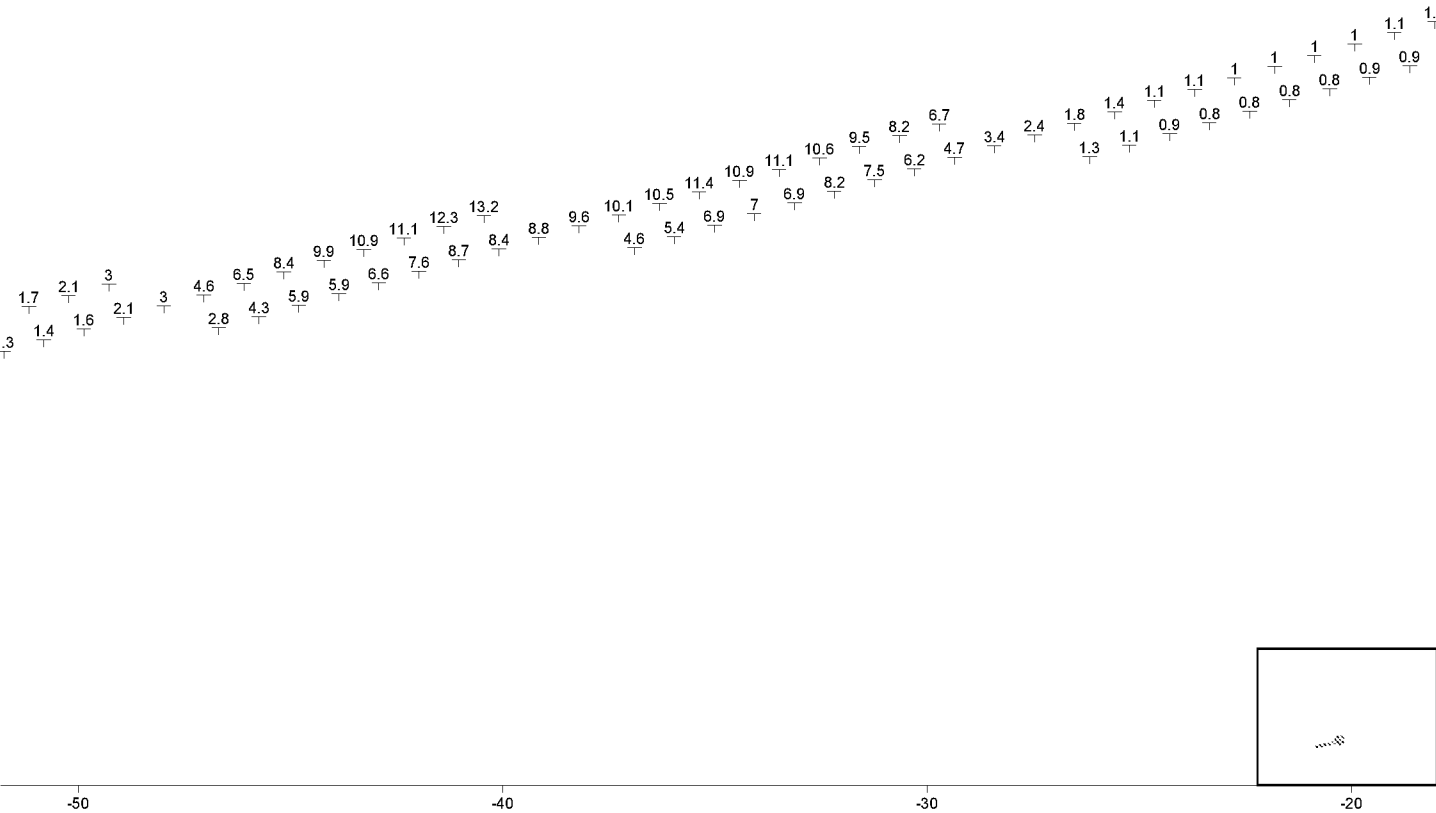
2.3 Calculation results, Exterior 1
2.3.39 Table, Main Road Pavement South Side Part 4 (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.39 Table, Main Road Pavement South Side Part 4 (E)



Part3



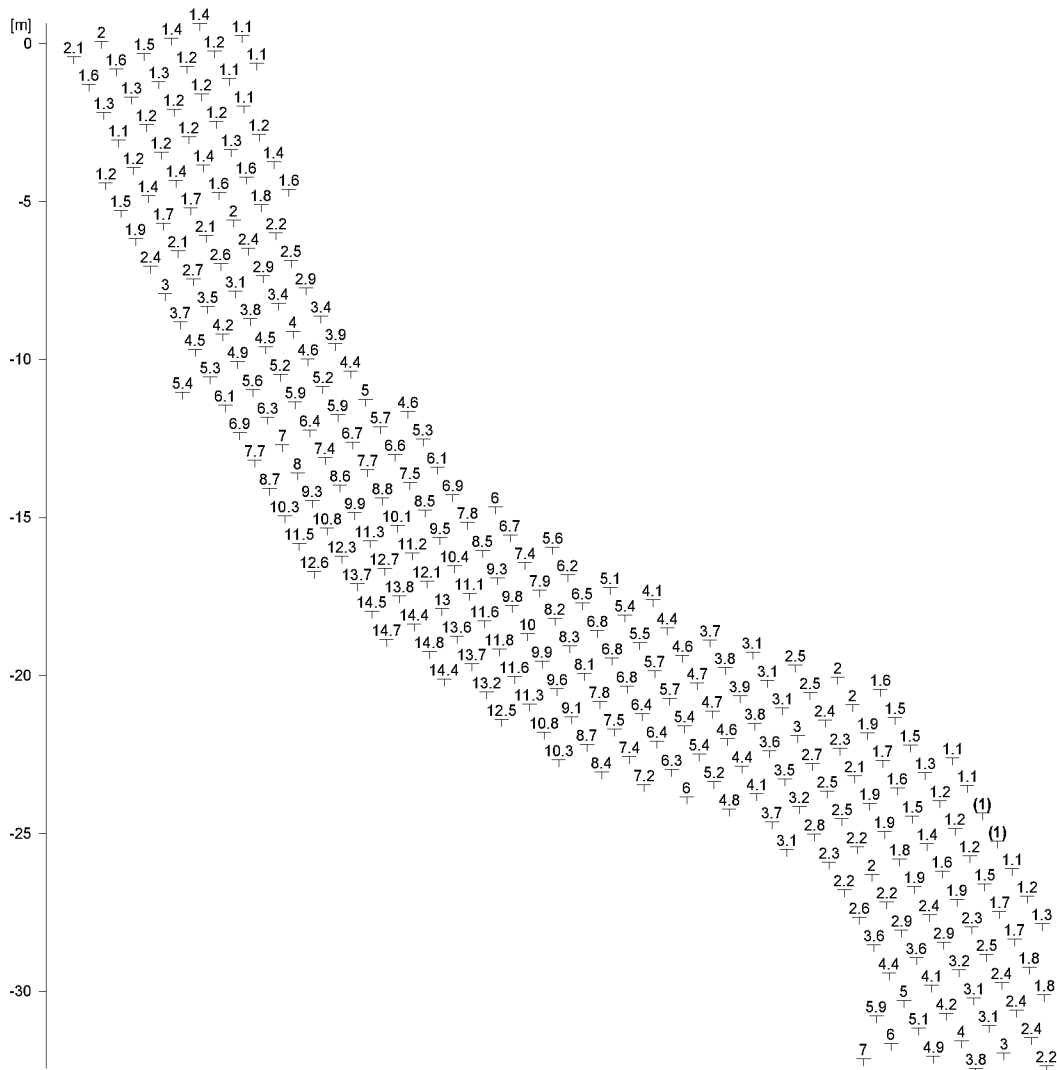
LUMEN
DESIGNERS

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.40 Table, South Road 1 Part 1 (E)



Height reference plane	: 0.01 m
Average illuminance	Em : 5.7 lx
Minimum illuminance	Emin : 1 lx
Maximum illuminance	Emax : 15 lx
Uniformity Uo	Emin/Em : 1 : 5.63 (0.18)
Diversity Ud	Emin/Emax : 1 : 14.76 (0.07)

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.40 Table, South Road 1 Part 1 (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022

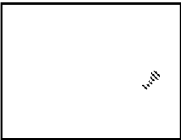


2.3 Calculation results, Exterior 1

2.3.41 Table, South Road 1 Part 2 (E)



Height reference plane	: 0.01 m
Average illuminance	Em : 6.9 lx
Minimum illuminance	Emin : 1 lx
Maximum illuminance	Emax : 15 lx
Uniformity Uo	: 1 : 6.78 (0.15)
Diversity Ud	: 1 : 14.86 (0.07)

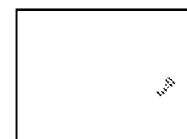
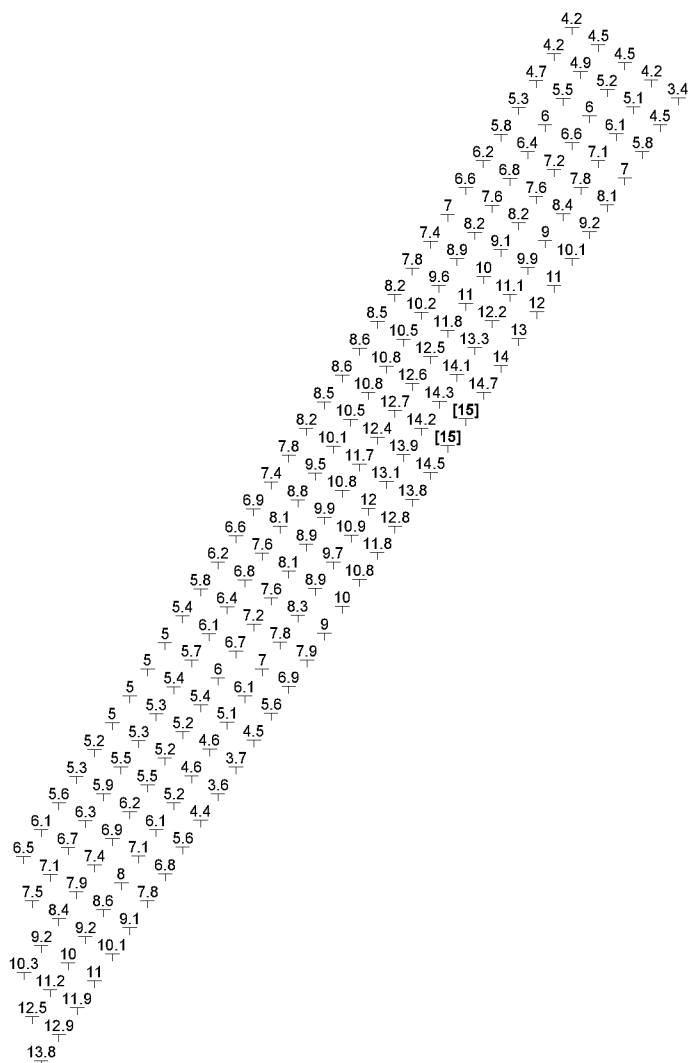


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.41 Table, South Road 1 Part 2 (E)



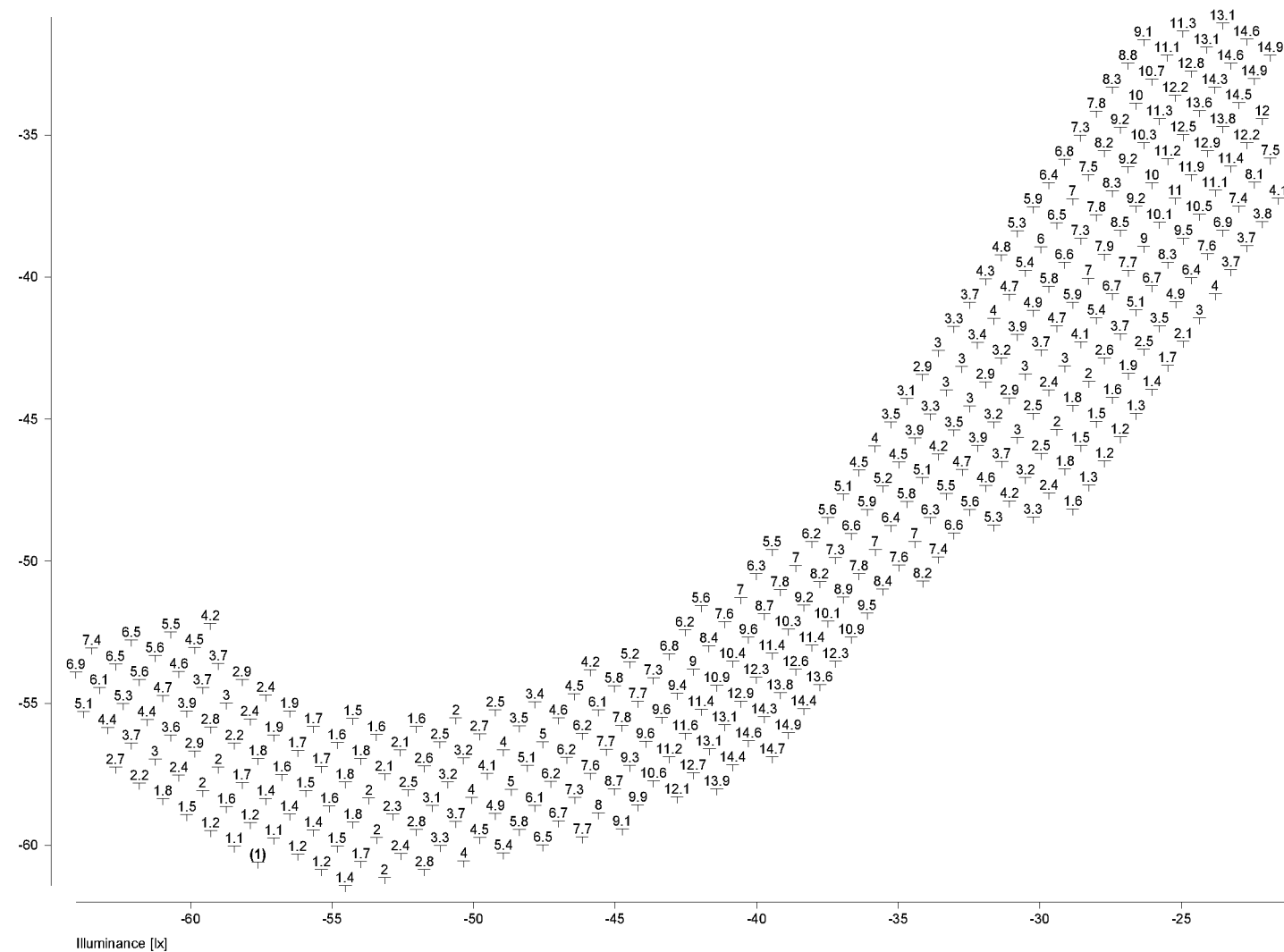
Part2

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022

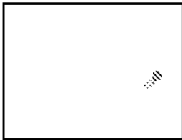


2.3 Calculation results, Exterior 1

2.3.41 Table, South Road 1 Part 2 (E)



Part3

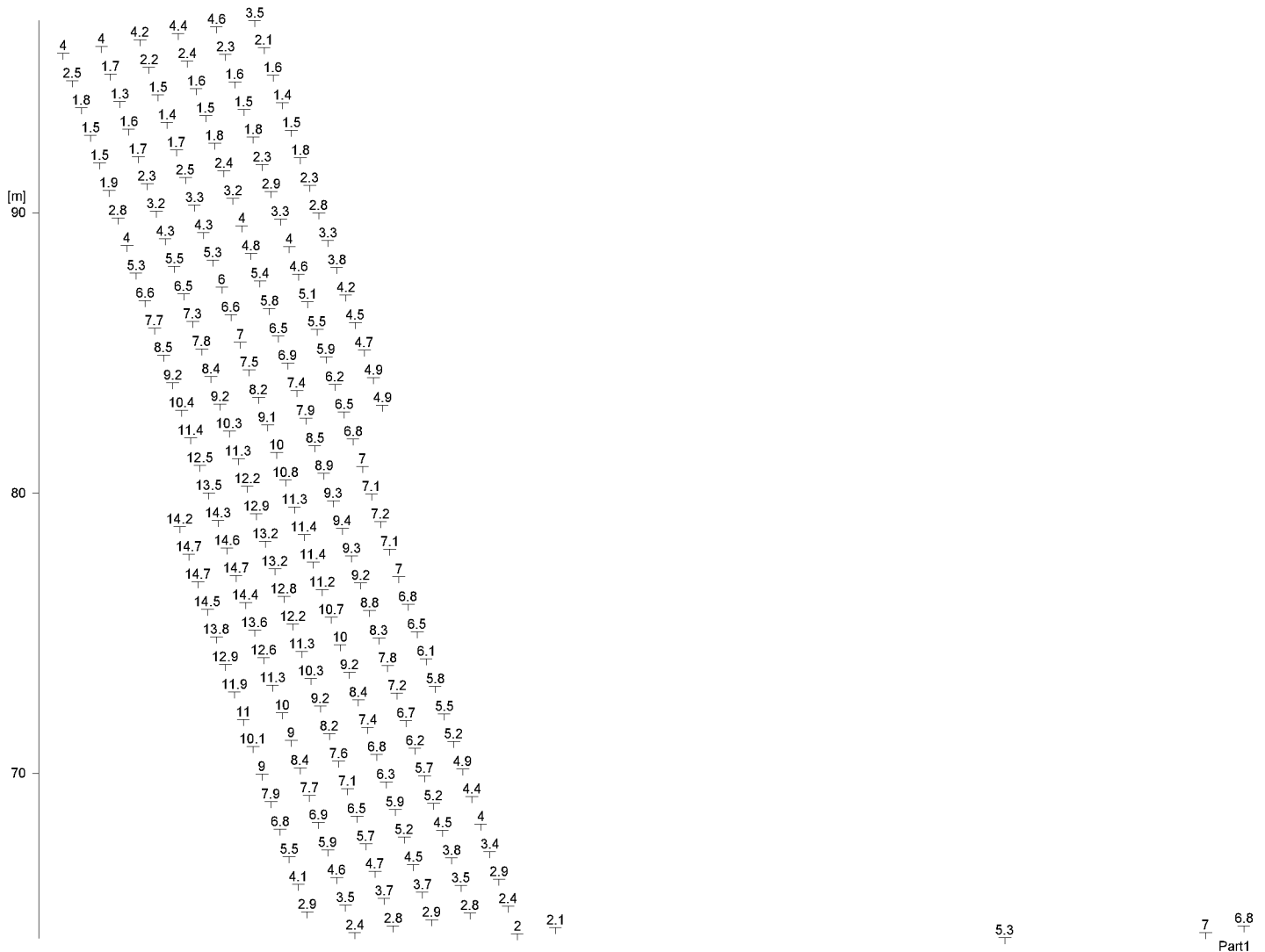


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022

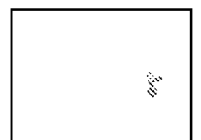


2.3 Calculation results, Exterior 1

2.3.42 Table, South Road 1 Part 3 (E)



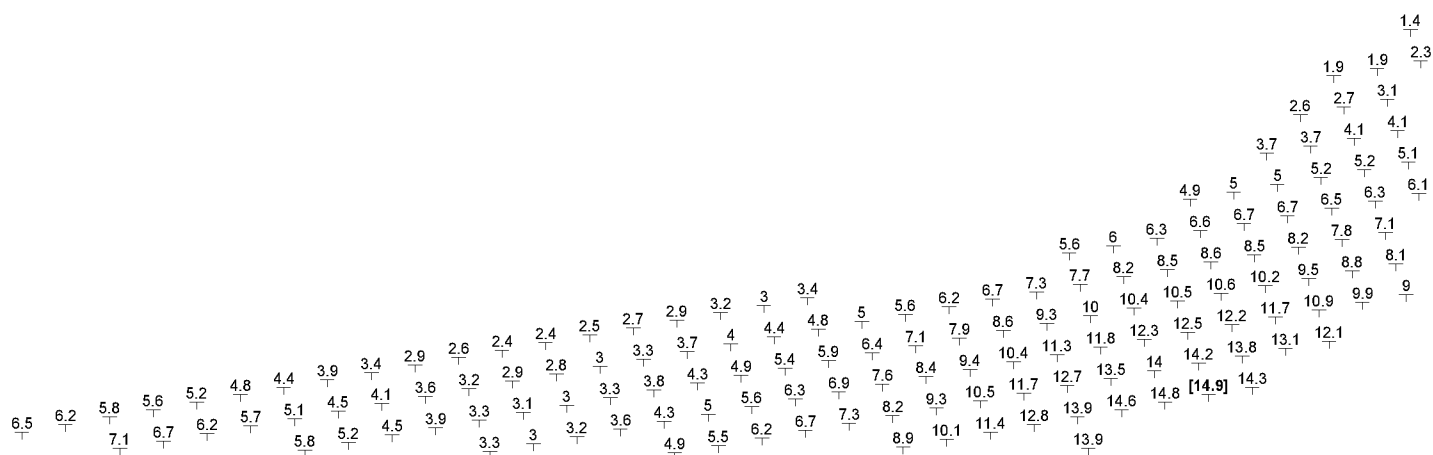
Height reference plane	: 0.01 m
Average illuminance	Em : 6.3 lx
Minimum illuminance	Emin : 1 lx
Maximum illuminance	Emax : 14.9 lx
Uniformity Uo	Emin/Em : 1 : 6.60 (0.15)
Diversity Ud	Emin/Emax : 1 : 15.48 (0.06)



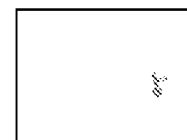


LUMEN
DESIGNERS

2.3.42 Table, South Road 1 Part 3 (E)



Part2

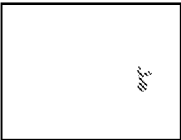
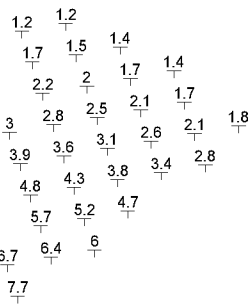


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.42 Table, South Road 1 Part 3 (E)

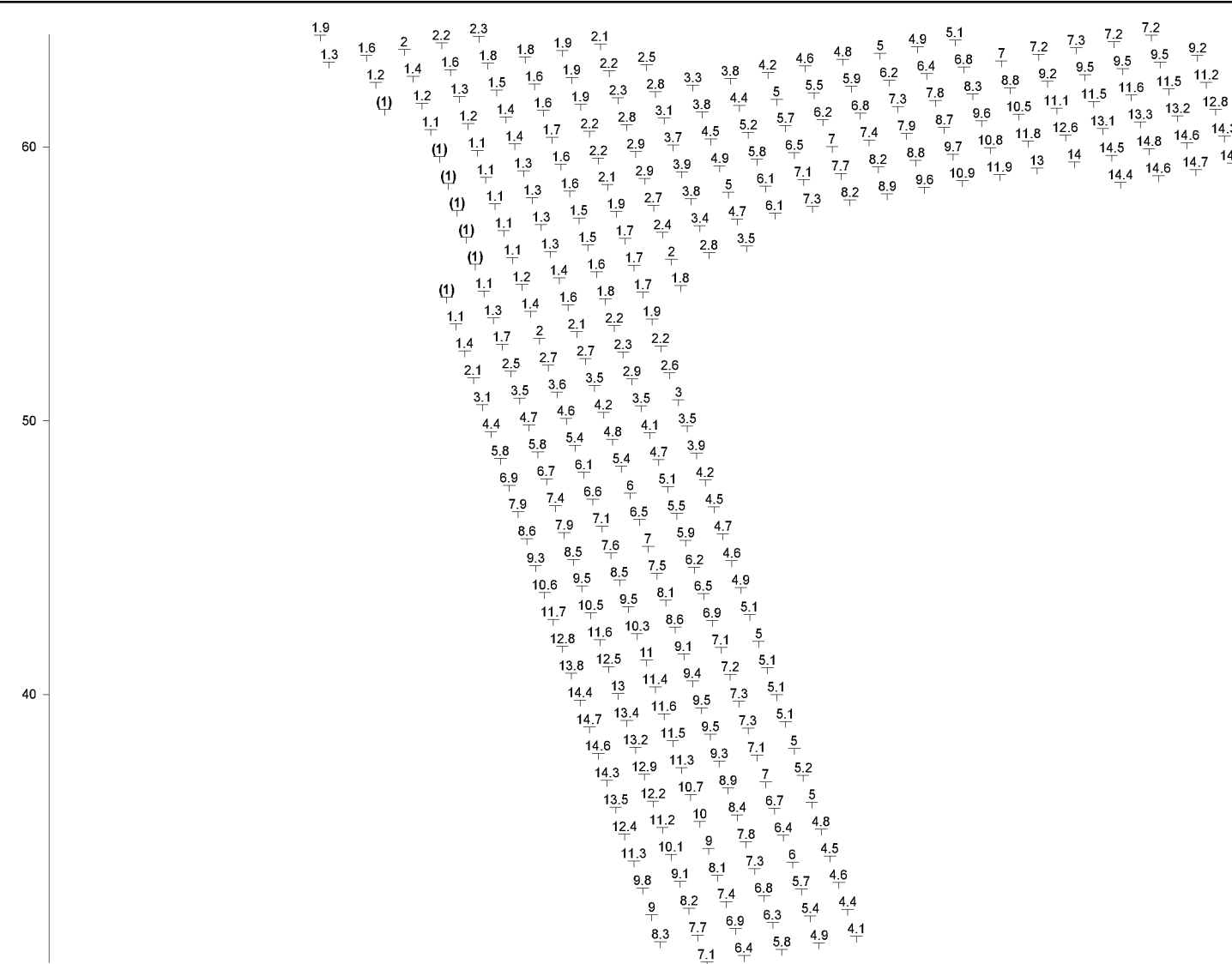


Part3



2.3 Calculation results, Exterior 1

2.3.42 Table, South Road 1 Part 3 (E)



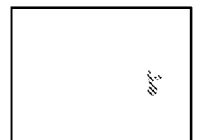
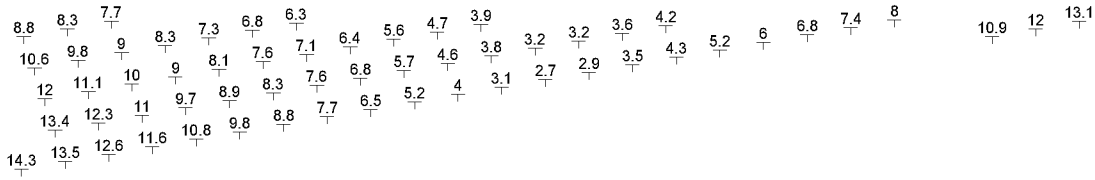
Part4





LUNEN
 DESIGNERS

2.3.42 Table, South Road 1 Part 3 (E)

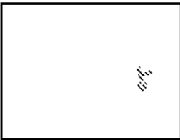
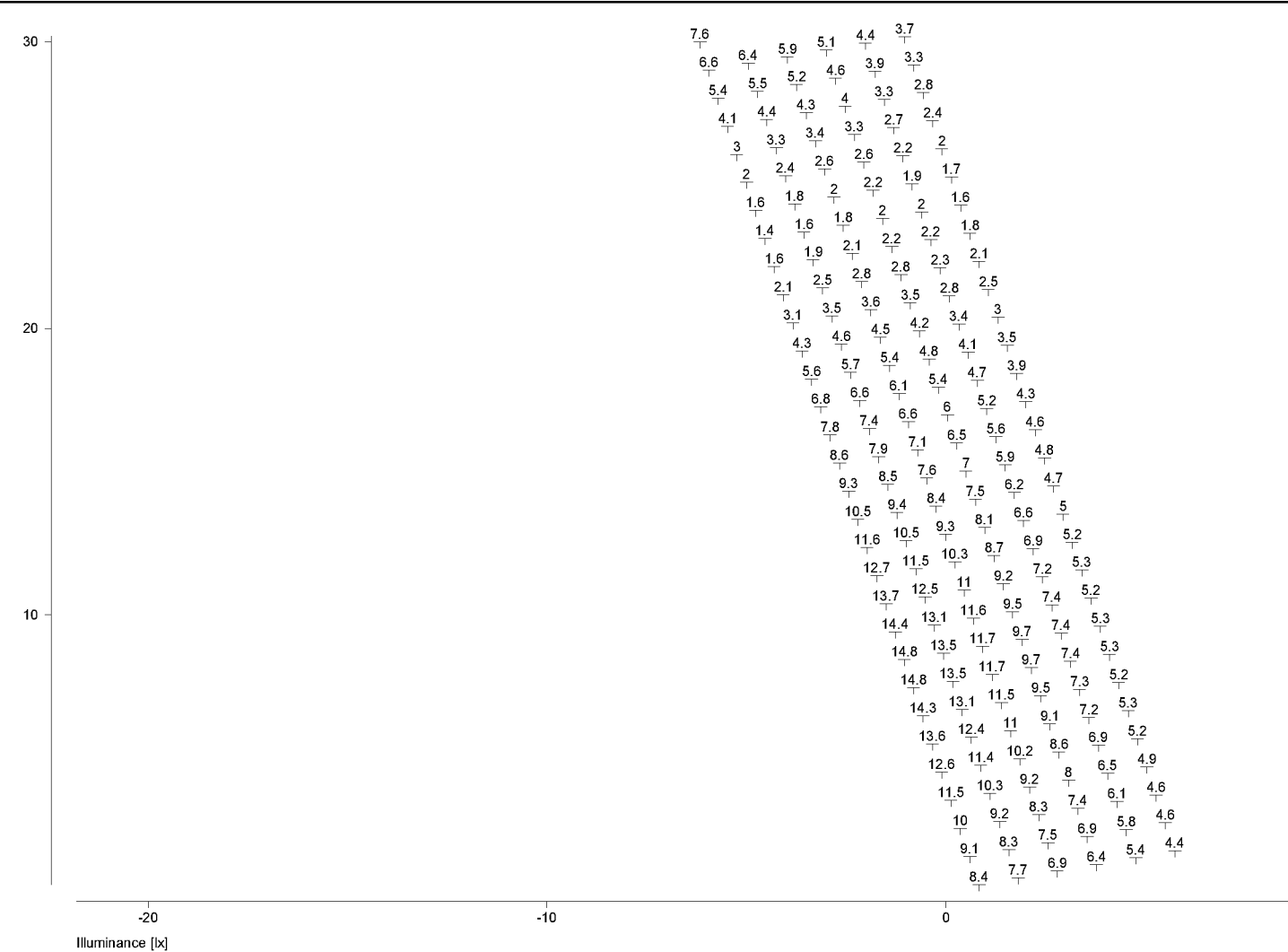


Part5



2.3 Calculation results, Exterior 1

2.3.42 Table, South Road 1 Part 3 (E)

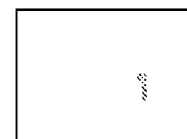
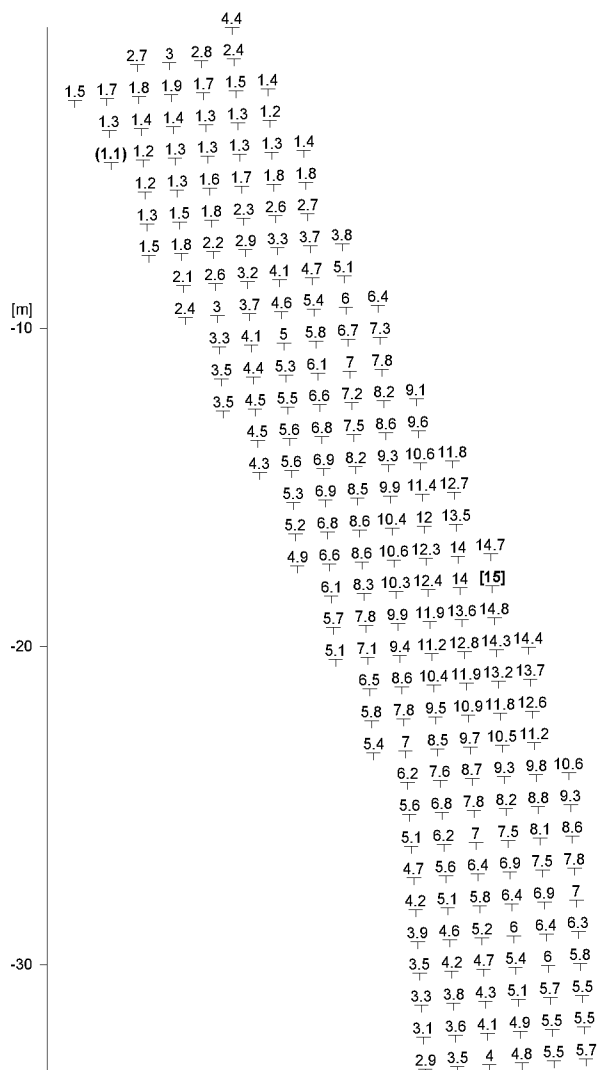


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.43 Table, South Road 2 Part 1 (E)



Part1

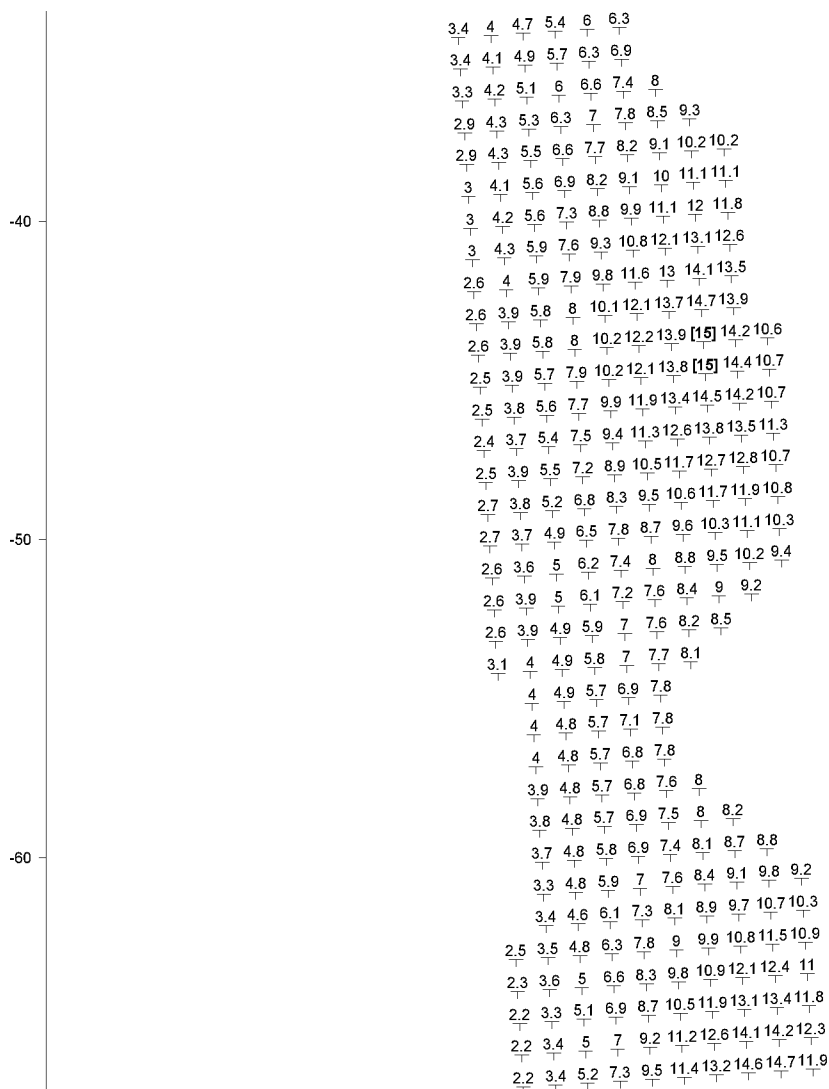
Height reference plane	: 0.01 m
Average illuminance	Em : 7.2 lx
Minimum illuminance	Emin : 1.1 lx
Maximum illuminance	Emax : 15 lx
Uniformity Uo	Emin/Em : 1 : 6.27 (0.16)
Diversity Ud	Emin/Emax : 1 : 13.18 (0.08)

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.43 Table, South Road 2 Part 1 (E)

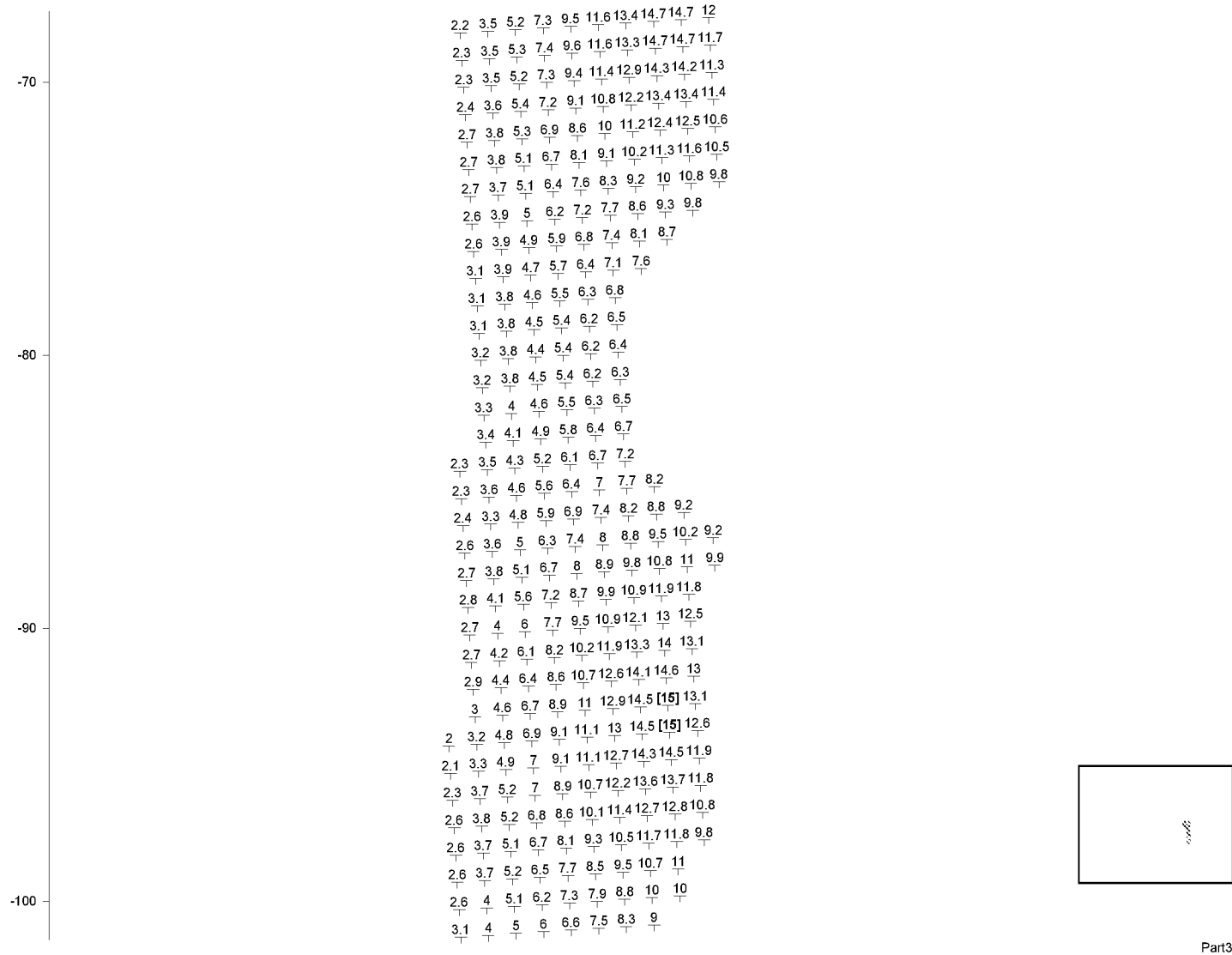


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.43 Table, South Road 2 Part 1 (E)

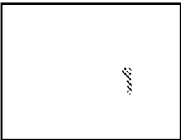
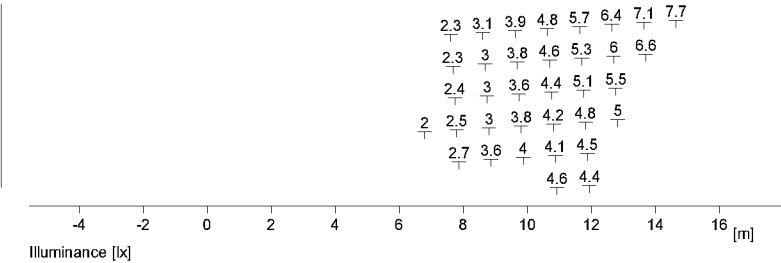


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.43 Table, South Road 2 Part 1 (E)

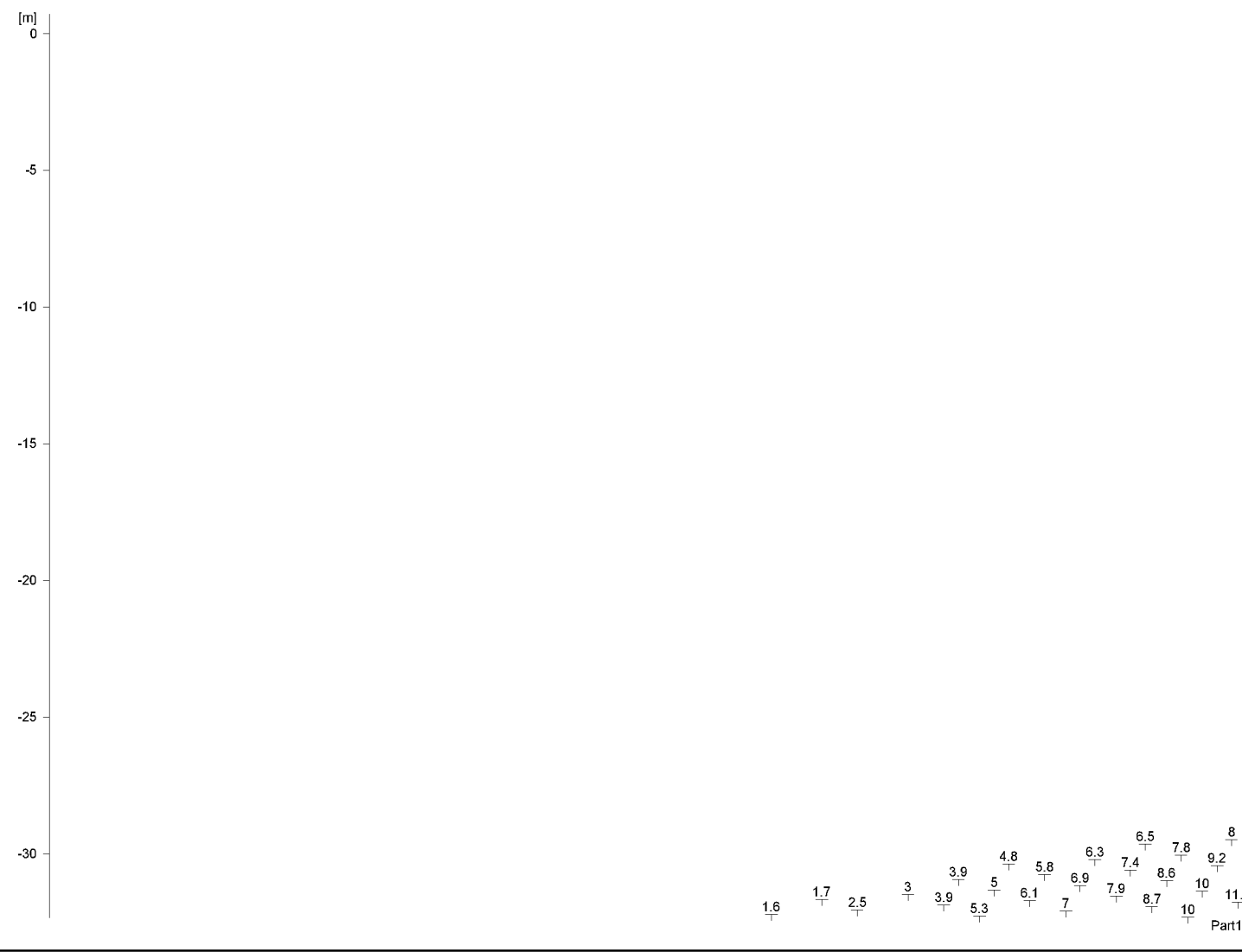


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.44 Table, South Road 2 Part 2 (E)



Height reference plane	: 0.01 m
Average illuminance	Em : 6.8 lx
Minimum illuminance	Emin : 1.3 lx
Maximum illuminance	Emax : 14.9 lx
Uniformity Uo	Emin/Em : 1 : 5.22 (0.19)
Diversity Ud	Emin/Emax : 1 : 11.48 (0.09)

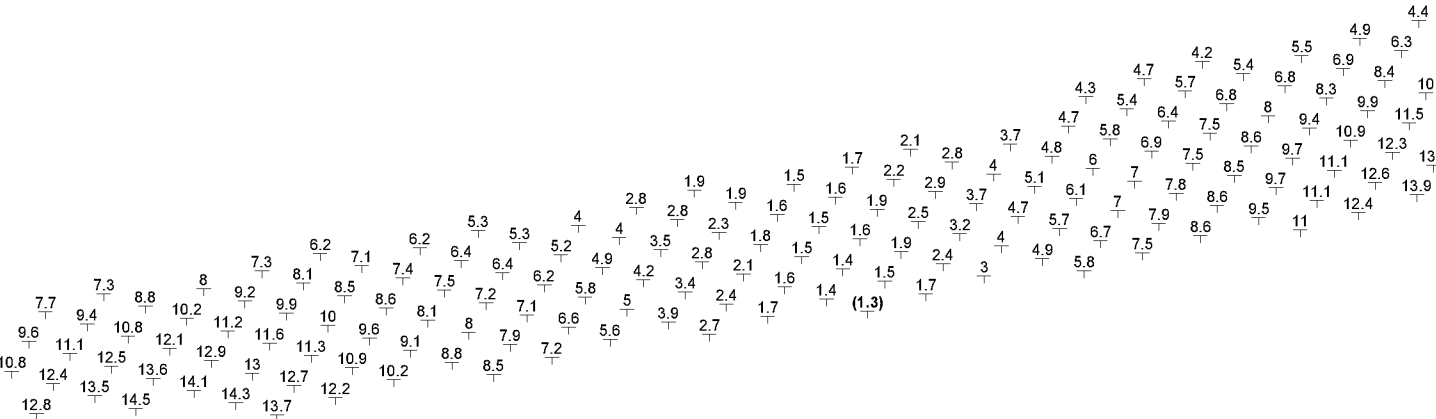


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.44 Table, South Road 2 Part 2 (E)



Part2

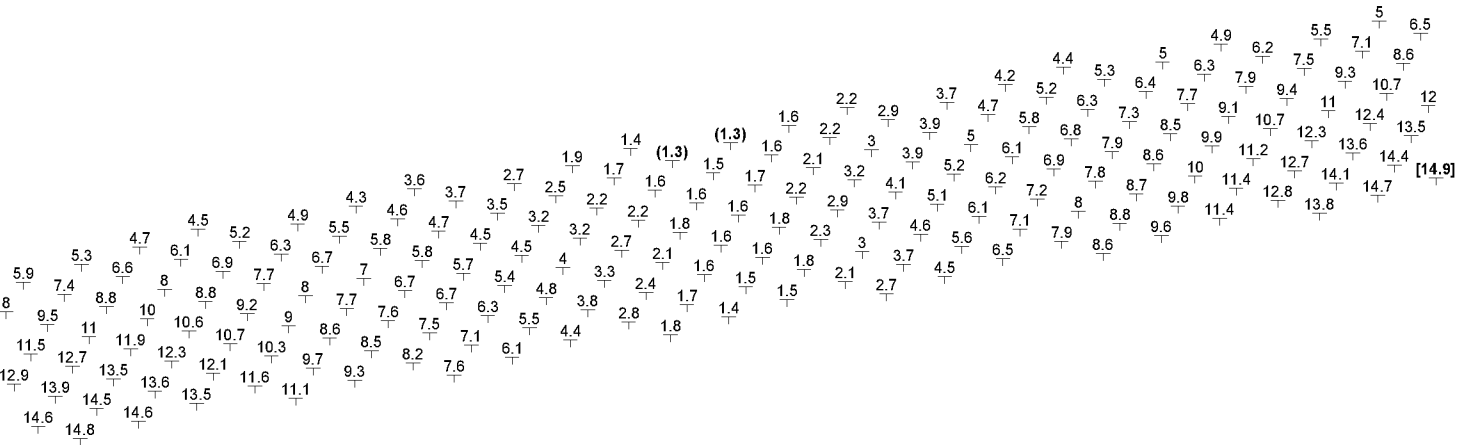


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.44 Table, South Road 2 Part 2 (E)

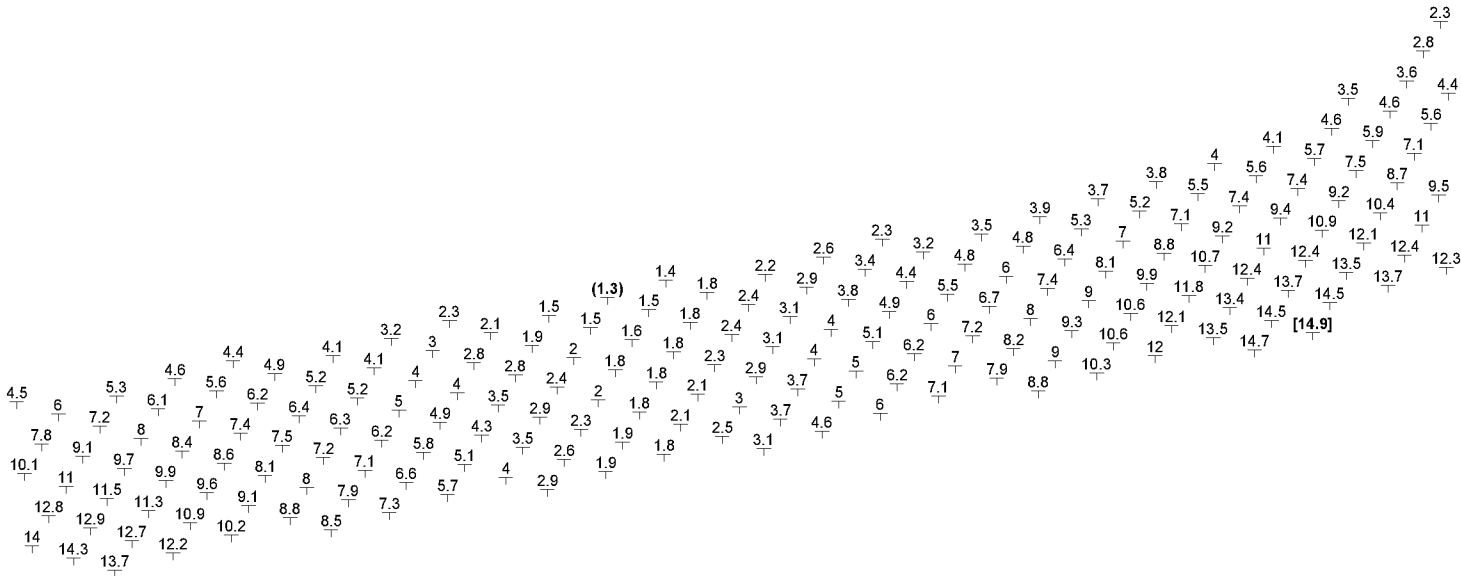


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.44 Table, South Road 2 Part 2 (E)

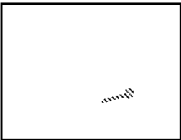
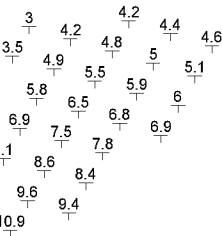


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.44 Table, South Road 2 Part 2 (E)

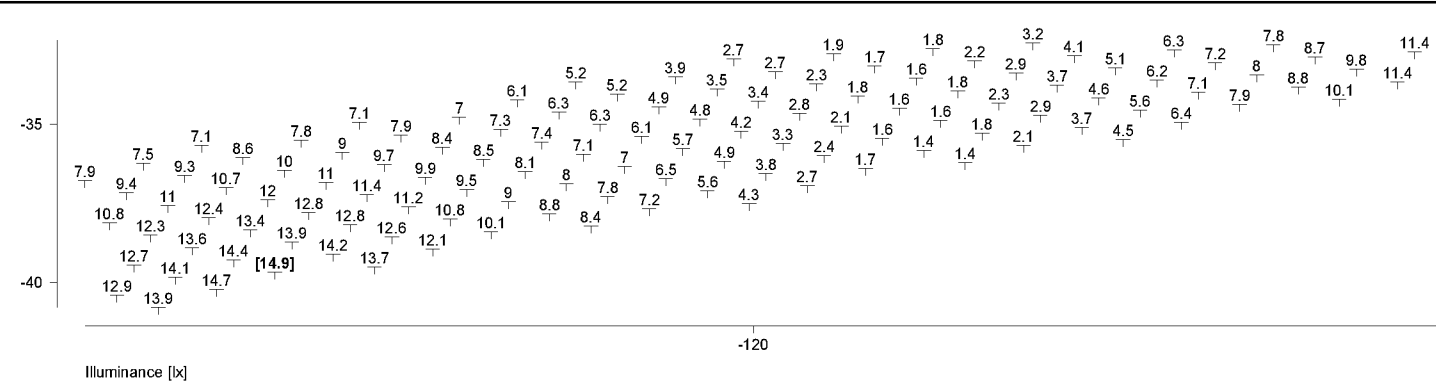


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.44 Table, South Road 2 Part 2 (E)

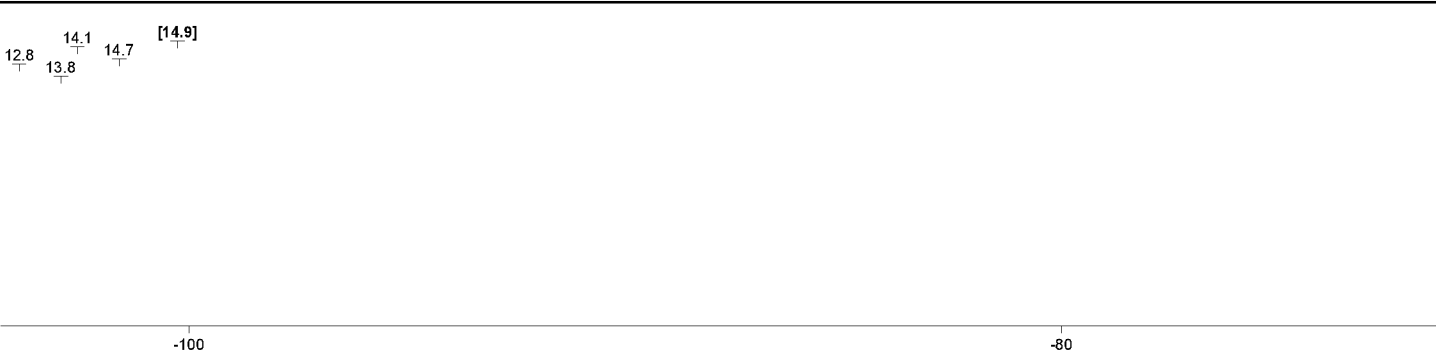


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.44 Table, South Road 2 Part 2 (E)



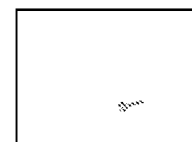
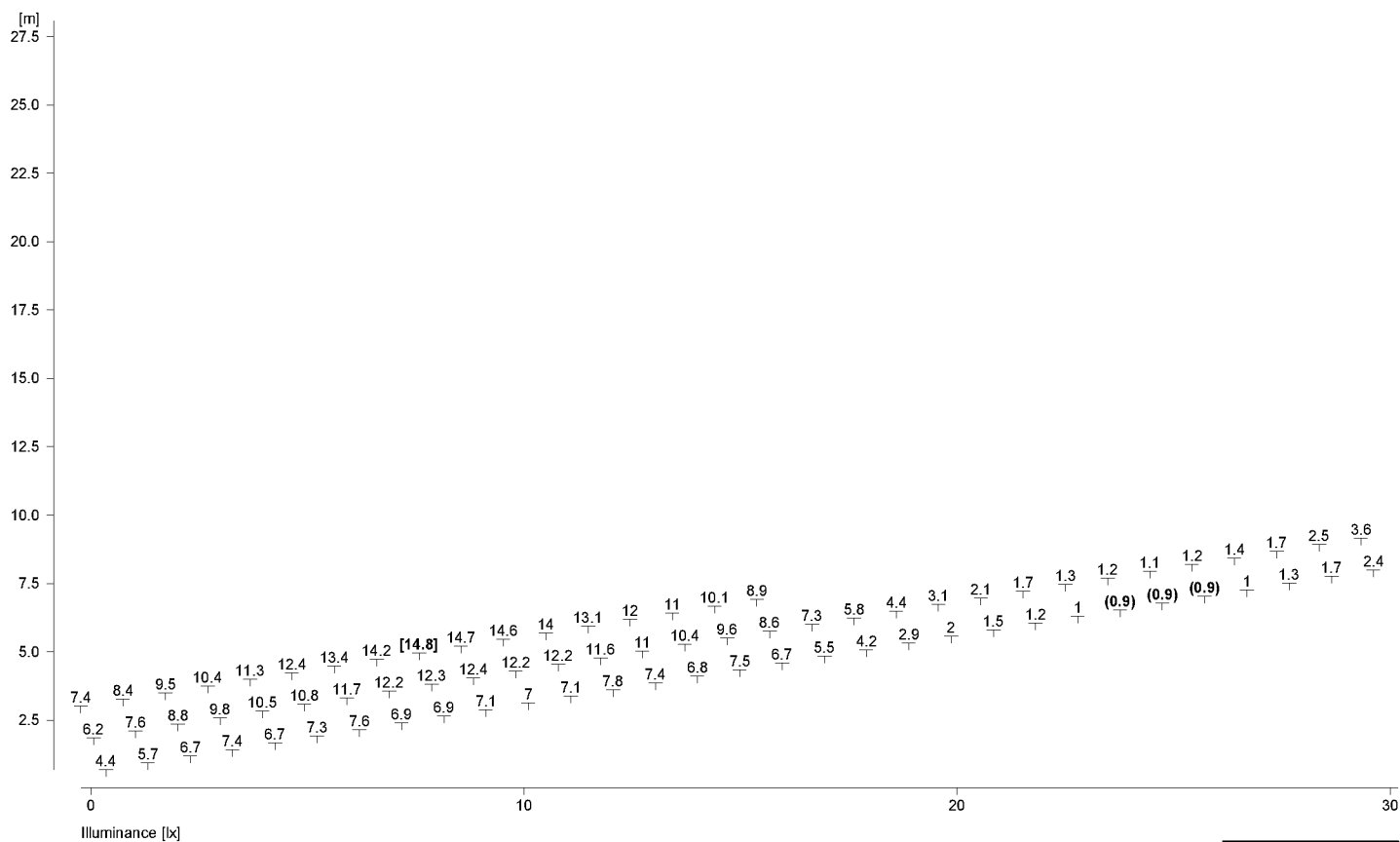
Part7

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.45 Table, South Road 2 Part 2 Pavement (E)



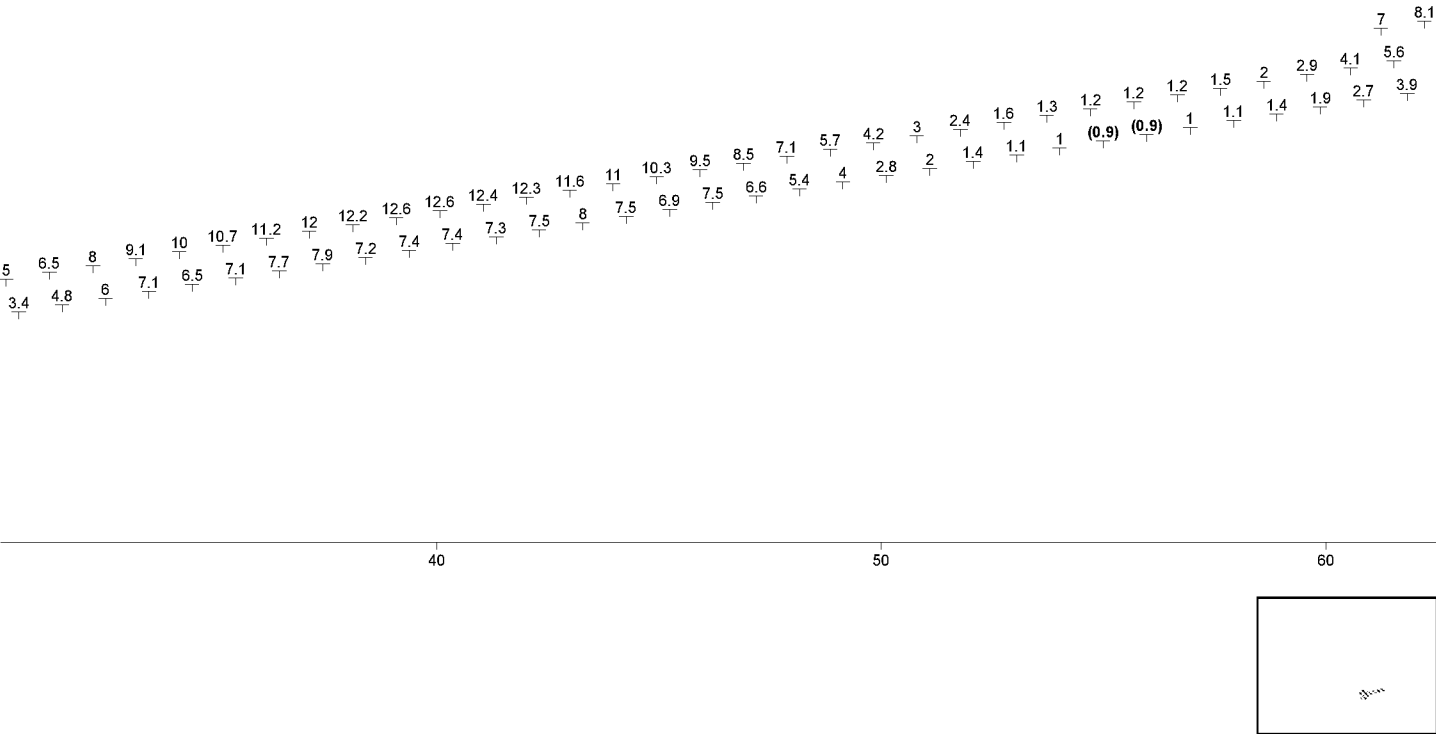
Part1

Height reference plane	: 0.01 m
Average illuminance	Em : 7 lx
Minimum illuminance	Emin : 0.9 lx
Maximum illuminance	Emax : 14.8 lx
Uniformity Uo	Emin/Em : 1 : 7.81 (0.13)
Diversity Ud	Emin/Emax : 1 : 16.52 (0.06)

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



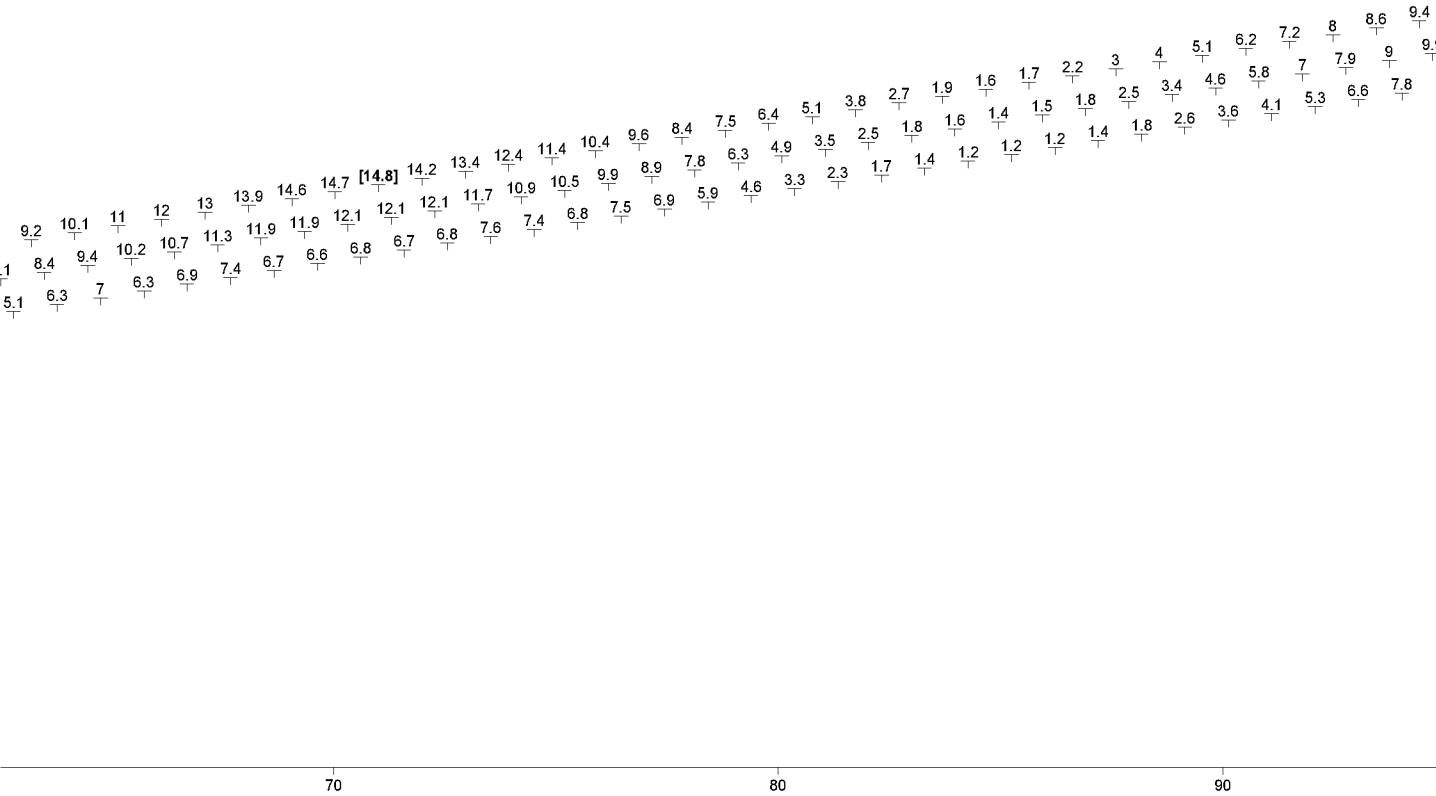
2.3 Calculation results, Exterior 1
2.3.45 Table, South Road 2 Part 2 Pavement (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



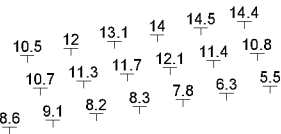
2.3 Calculation results, Exterior 1
2.3.45 Table, South Road 2 Part 2 Pavement (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.45 Table, South Road 2 Part 2 Pavement (E)

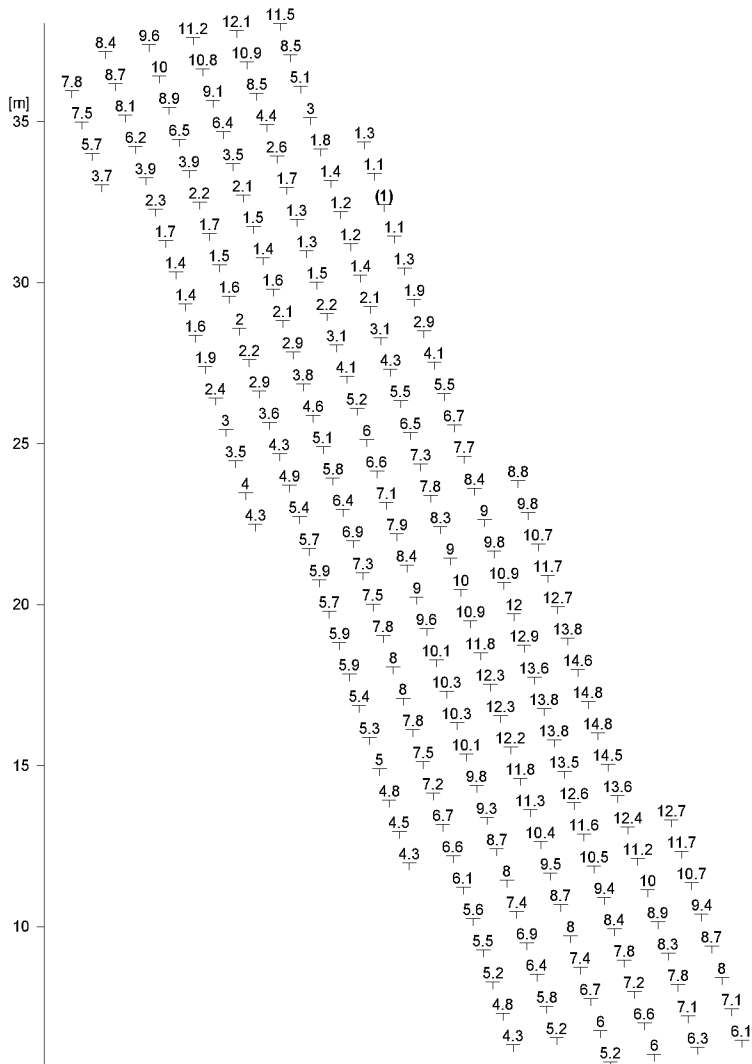


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.46 Table, South Road 2 Part 3 (E)



Part1

Height reference plane	: 0.01 m
Average illuminance	Em : 6.5 lx
Minimum illuminance	Emin : 1 lx
Maximum illuminance	Emax : 15.1 lx
Uniformity Uo	Emin/Em : 1 : 6.27 (0.16)
Diversity Ud	Emin/Emax : 1 : 14.53 (0.07)

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.46 Table, South Road 2 Part 3 (E)



4.6	5.3	5.8	6.3	6.7	7	7.4
+	+	+	+	+	+	+
				8	8.6	9.2
				+	+	+

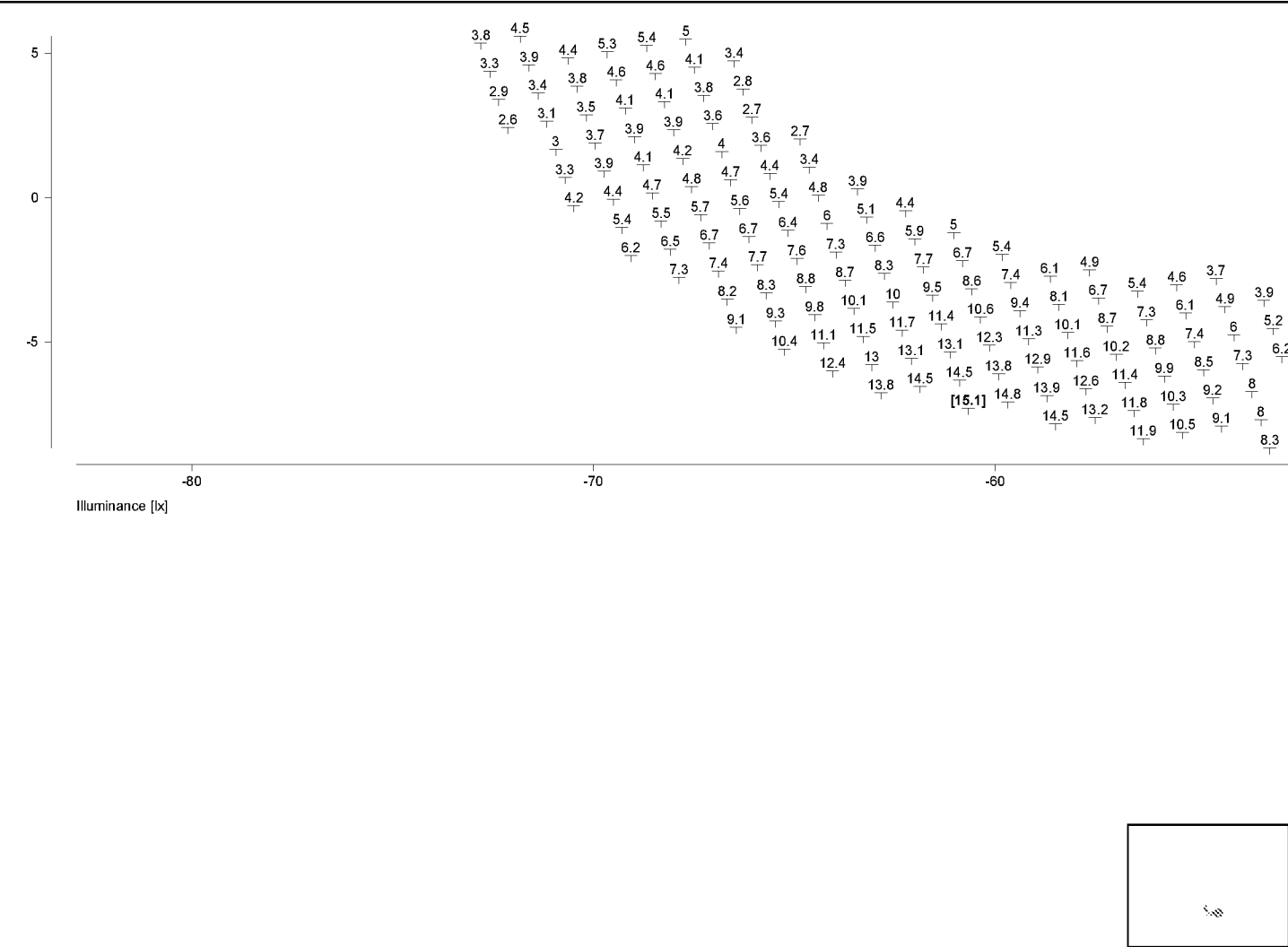
Part3

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.46 Table, South Road 2 Part 3 (E)

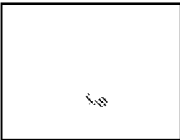
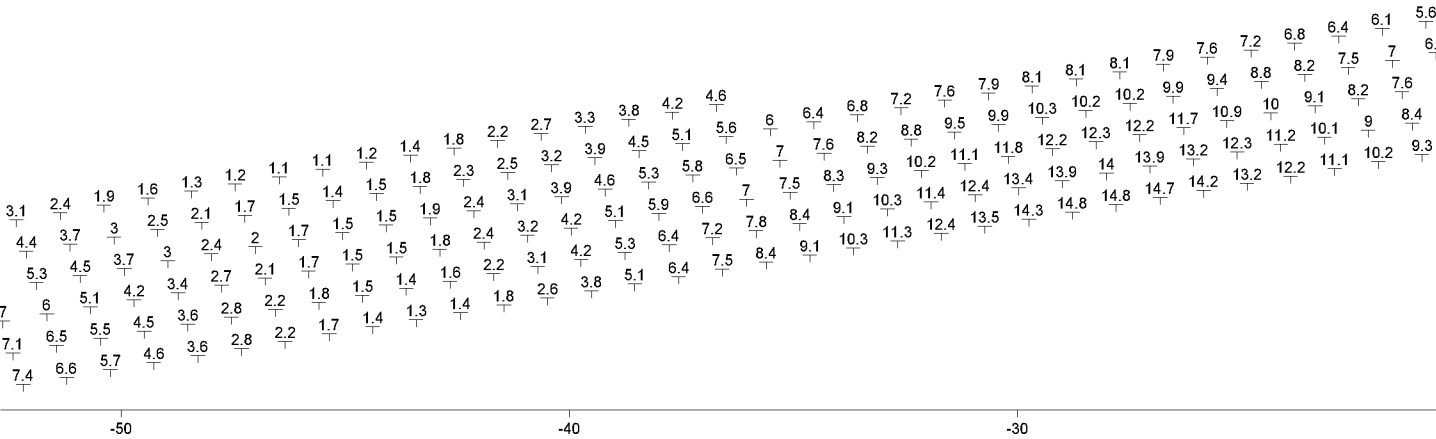


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.46 Table, South Road 2 Part 3 (E)

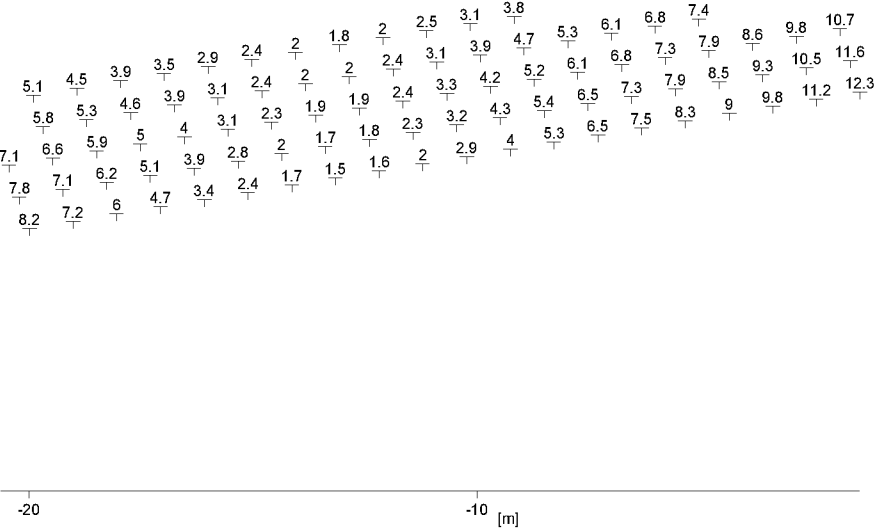


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.46 Table, South Road 2 Part 3 (E)



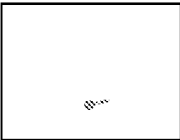
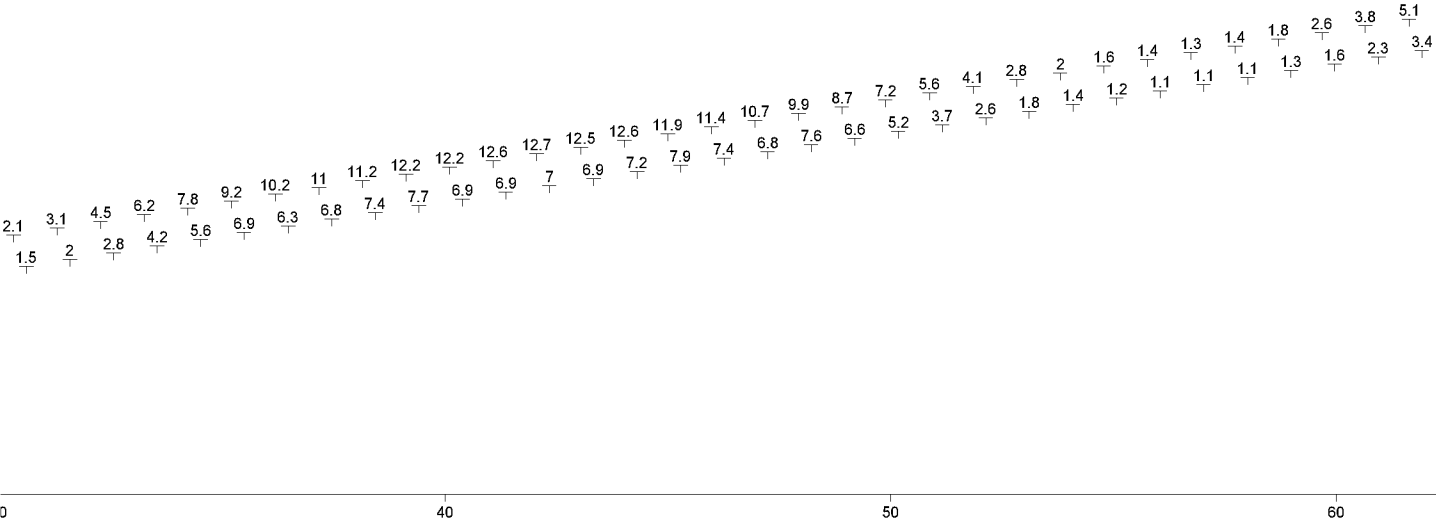


LOREN
DESIGNERS

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



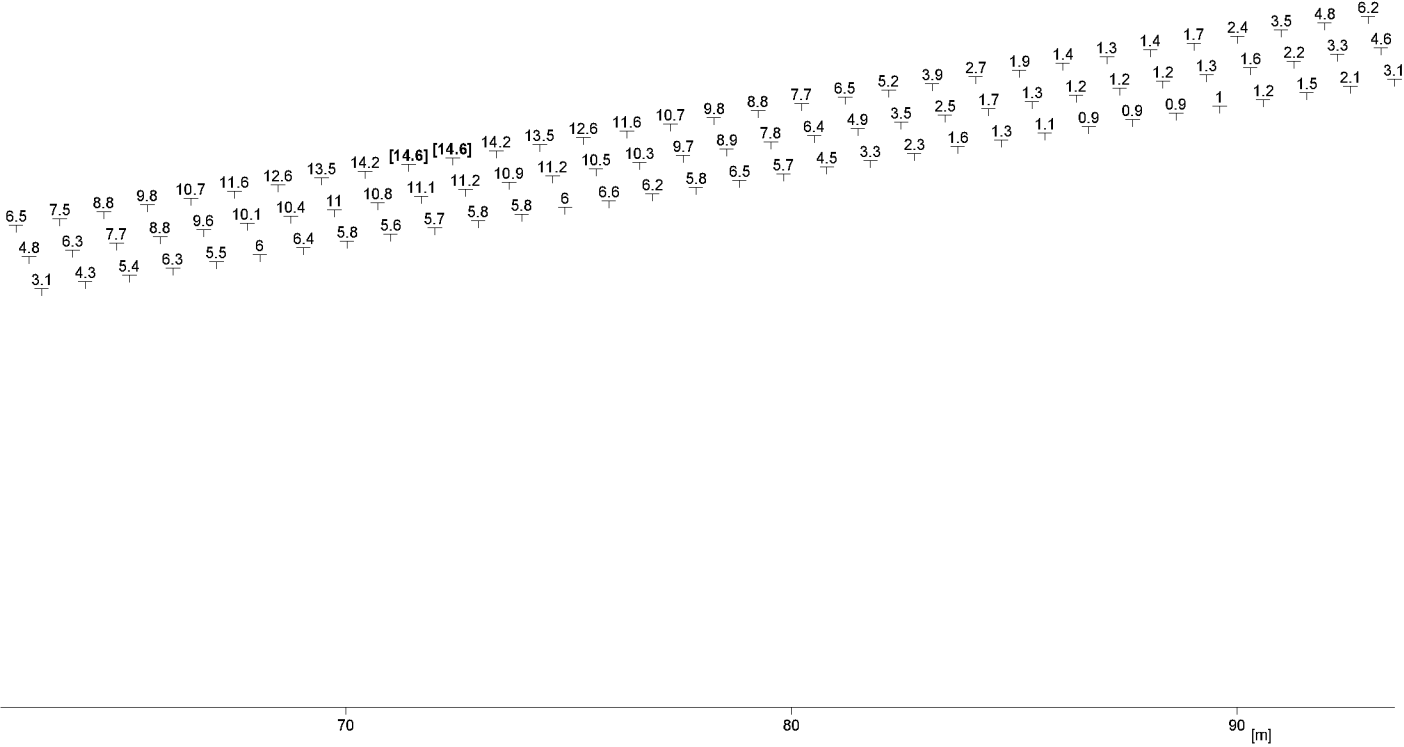
2.3 Calculation results, Exterior 1
2.3.47 Table, South Road 2 Part 3 Pavement (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.47 Table, South Road 2 Part 3 Pavement (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.48 Table, South Road 3 (E)

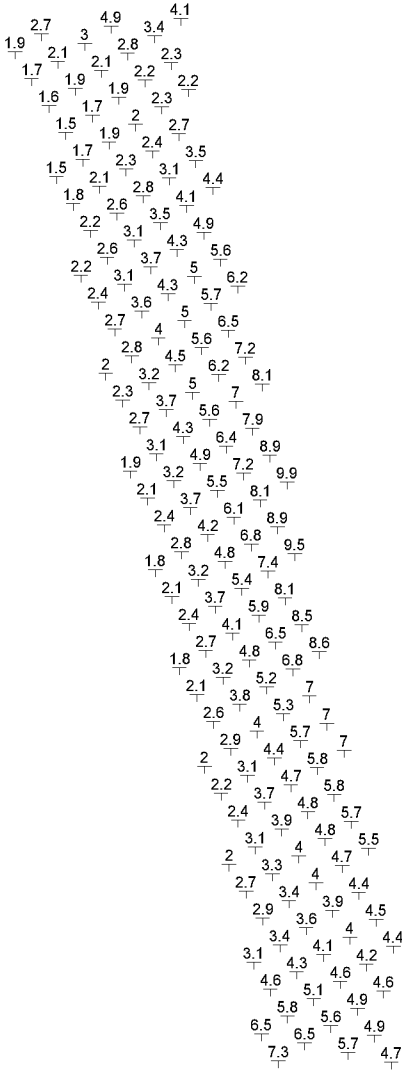


Height reference plane		: 0.01 m
Average illuminance	Em	: 6.6 lx
Minimum illuminance	Emin	: 1 lx
Maximum illuminance	Emax	: 15 lx
Uniformity Uo	Emin/Em	: 1 : 6.41 (0.16)
Diversity Ud	Emin/Emax	: 1 : 14.54 (0.07)



2.3 Calculation results, Exterior 1

2.3.48 Table, South Road 3 (E)

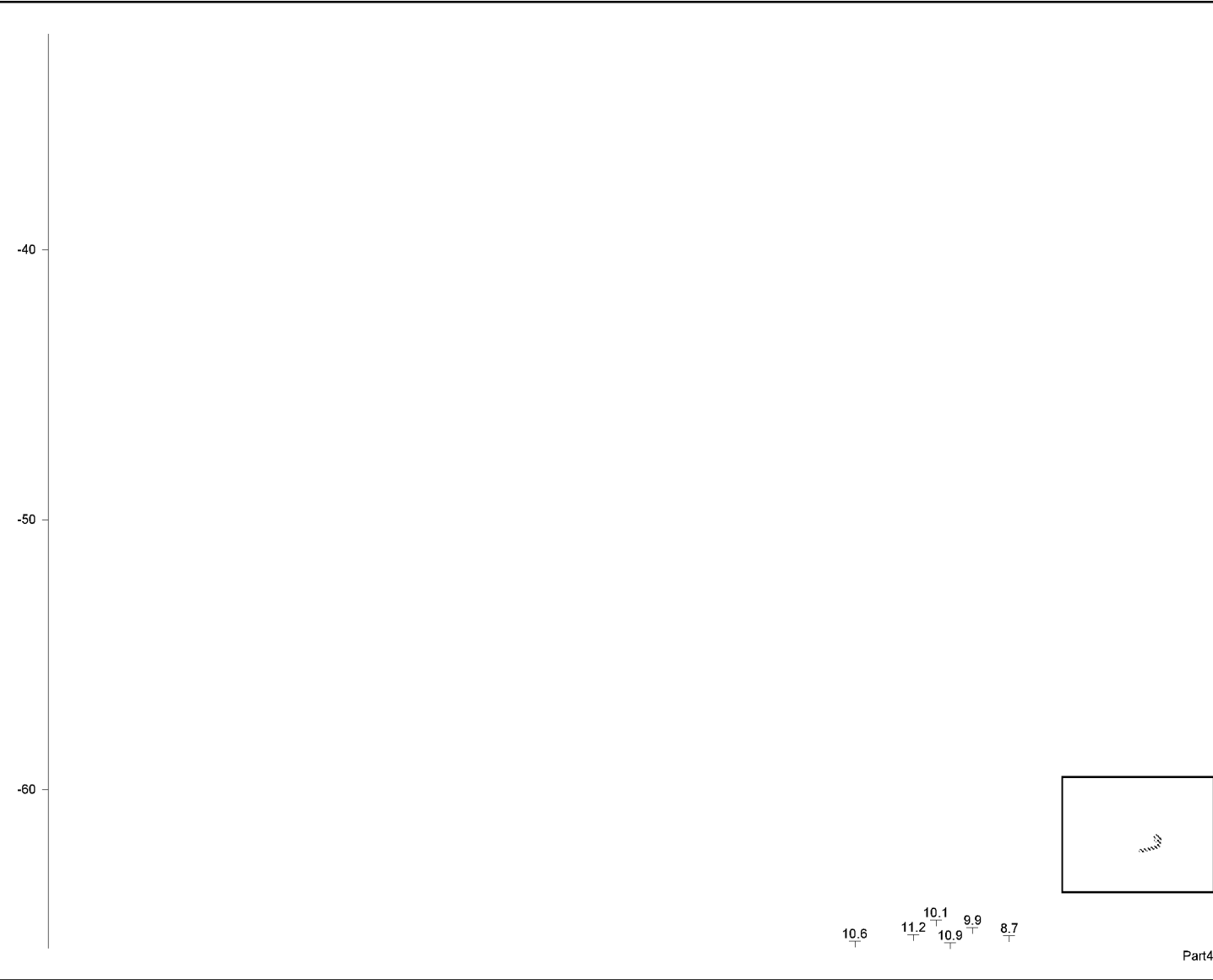


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

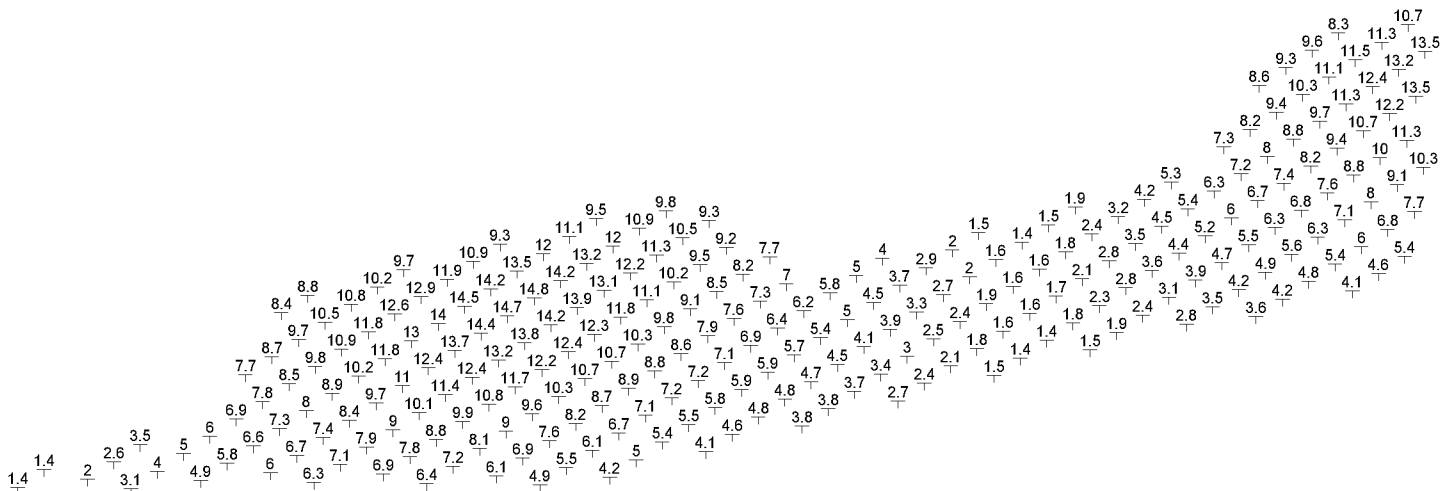
2.3.48 Table, South Road 3 (E)





LUNEN
 DESIGNERS

2.3.48 Table, South Road 3 (E)



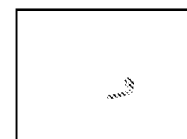
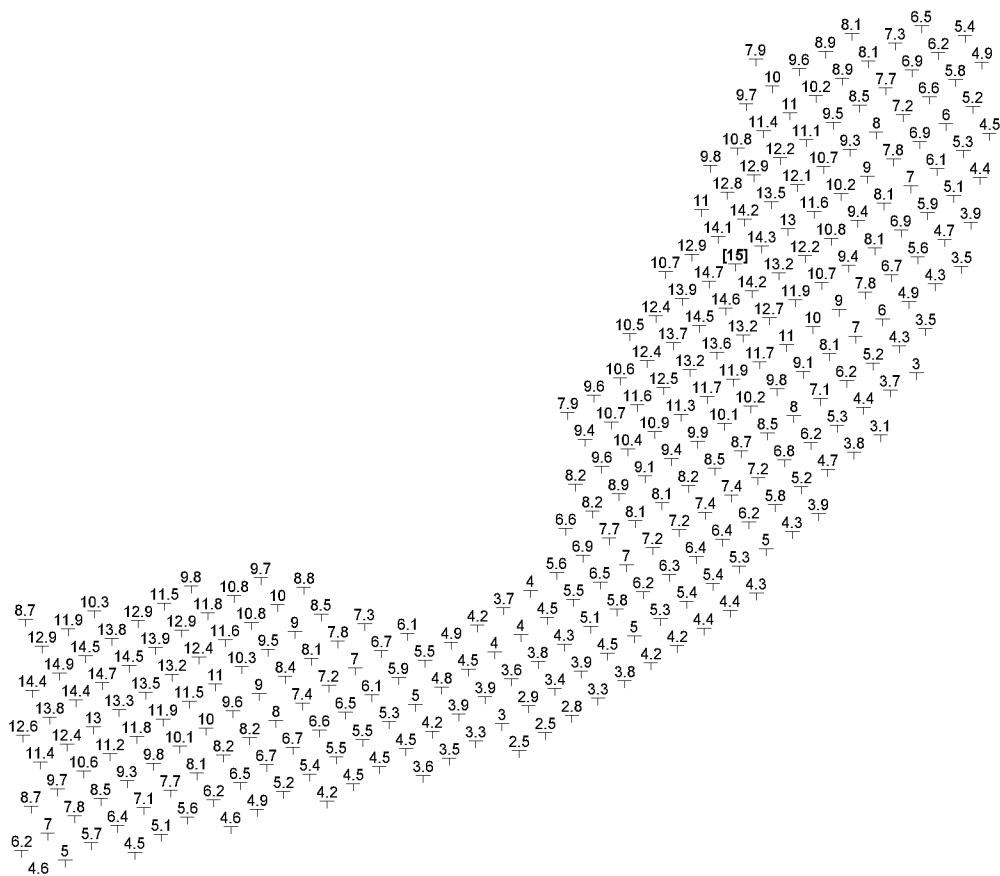
Part5





LUMEN
DESIGNERS

2.3.48 Table, South Road 3 (E)

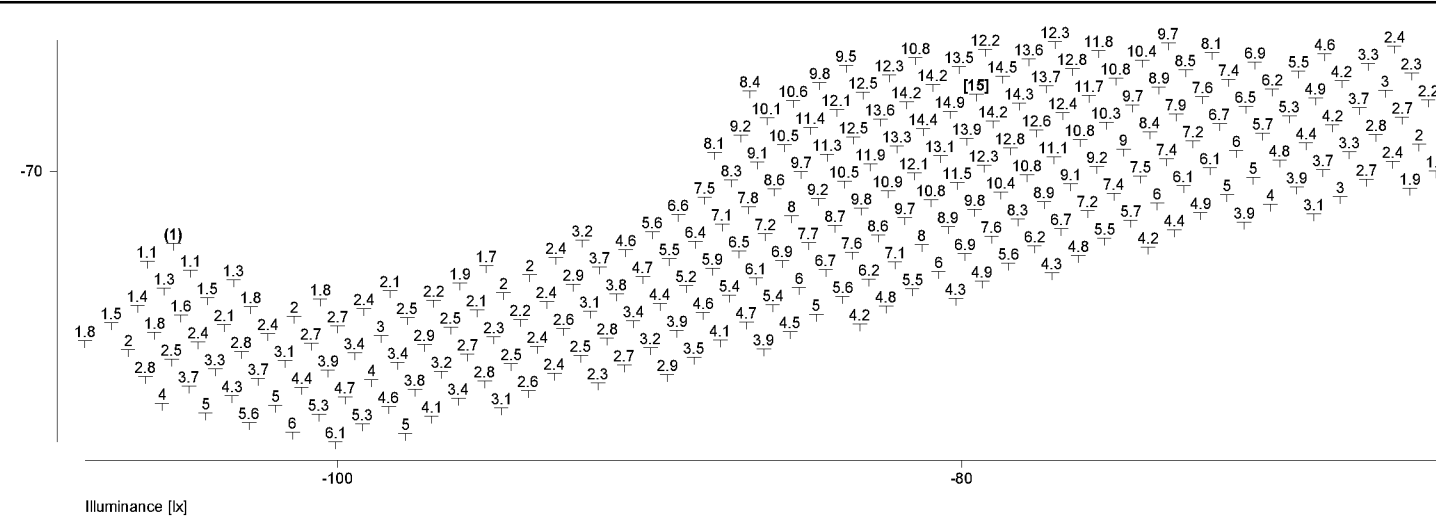


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.48 Table, South Road 3 (E)

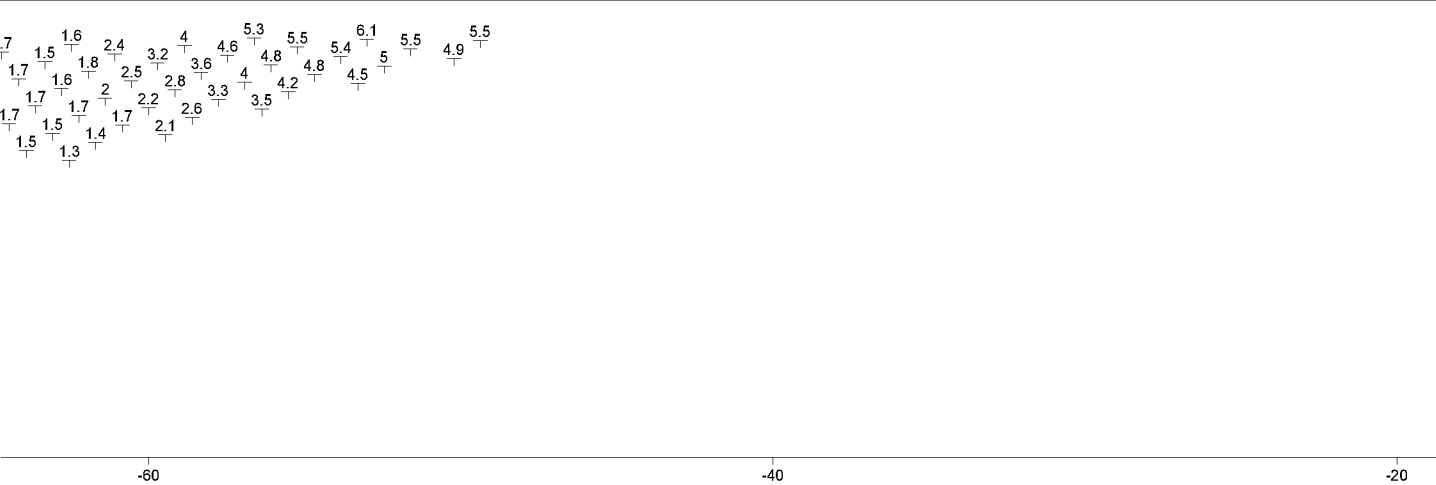


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.48 Table, South Road 3 (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.49 Table, South Road 3 Pavement (E)



Part1

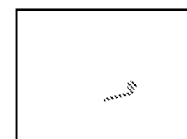
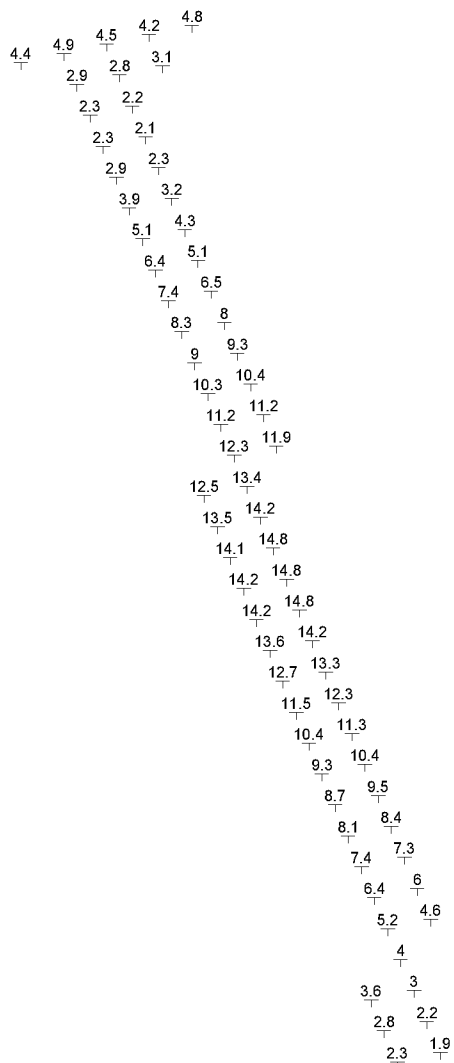
Height reference plane		: 0.01 m
Average illuminance	Em	: 3.6 lx
Minimum illuminance	Emin	: 0.7 lx
Maximum illuminance	Emax	: 14.9 lx
Uniformity Uo	Emin/Em	: 1 : 5.46 (0.18)
Diversity Ud	Emin/Emax	: 1 : 22.76 (0.04)

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.49 Table, South Road 3 Pavement (E)

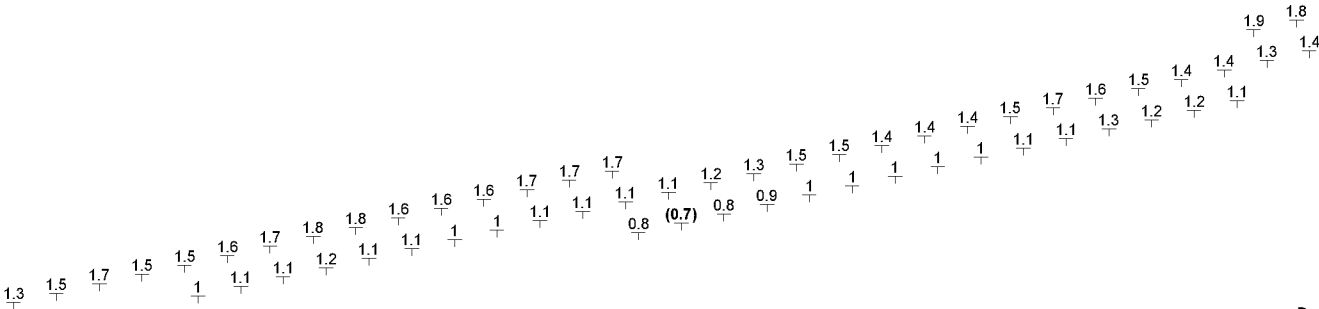


Part5

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.49 Table, South Road 3 Pavement (E)



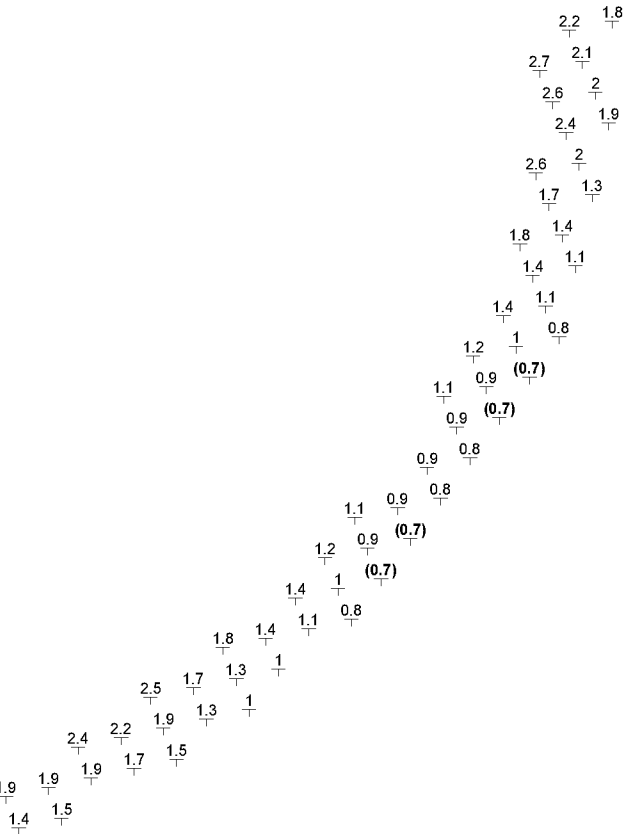
Part9



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



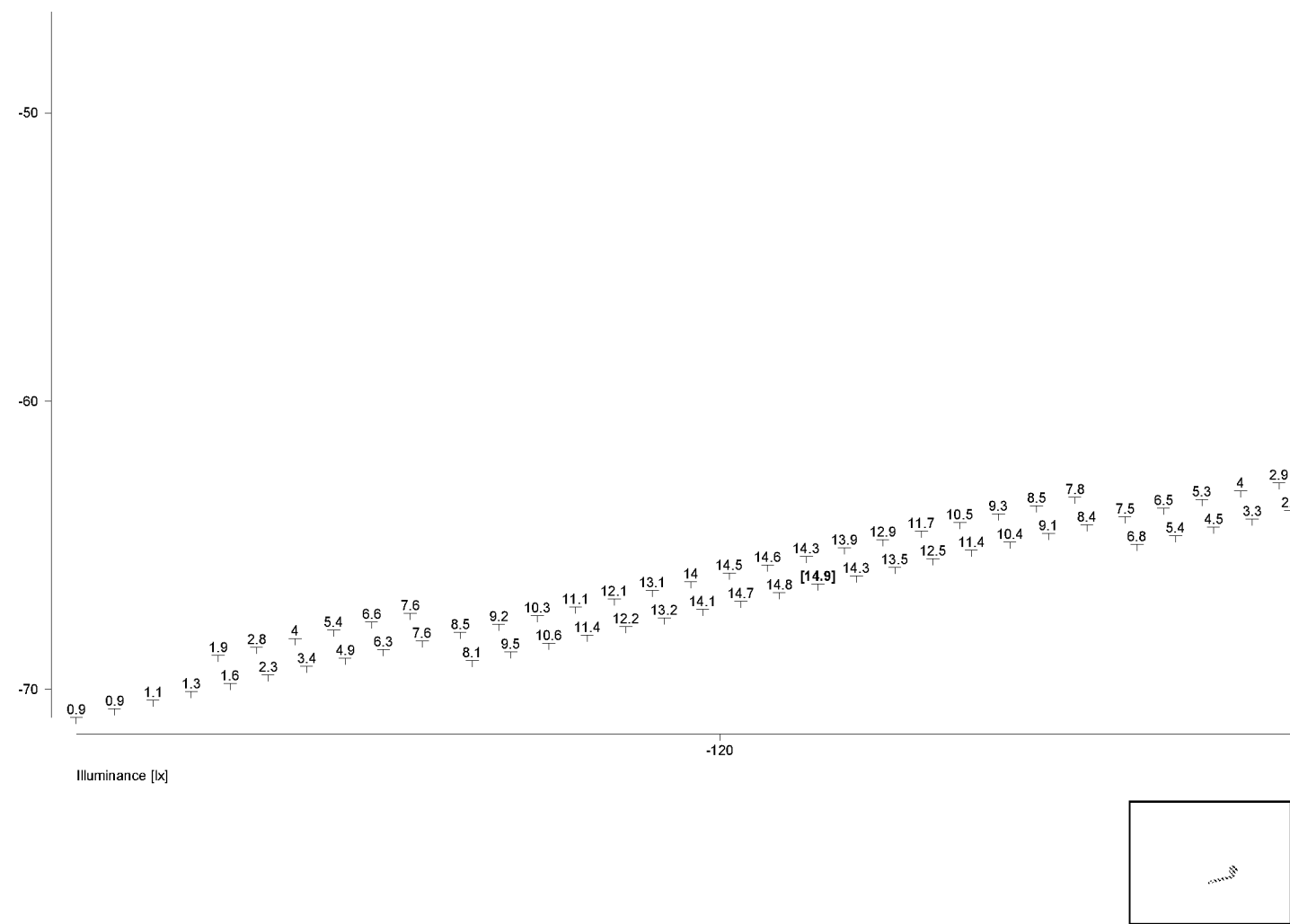
2.3 Calculation results, Exterior 1
2.3.49 Table, South Road 3 Pavement (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



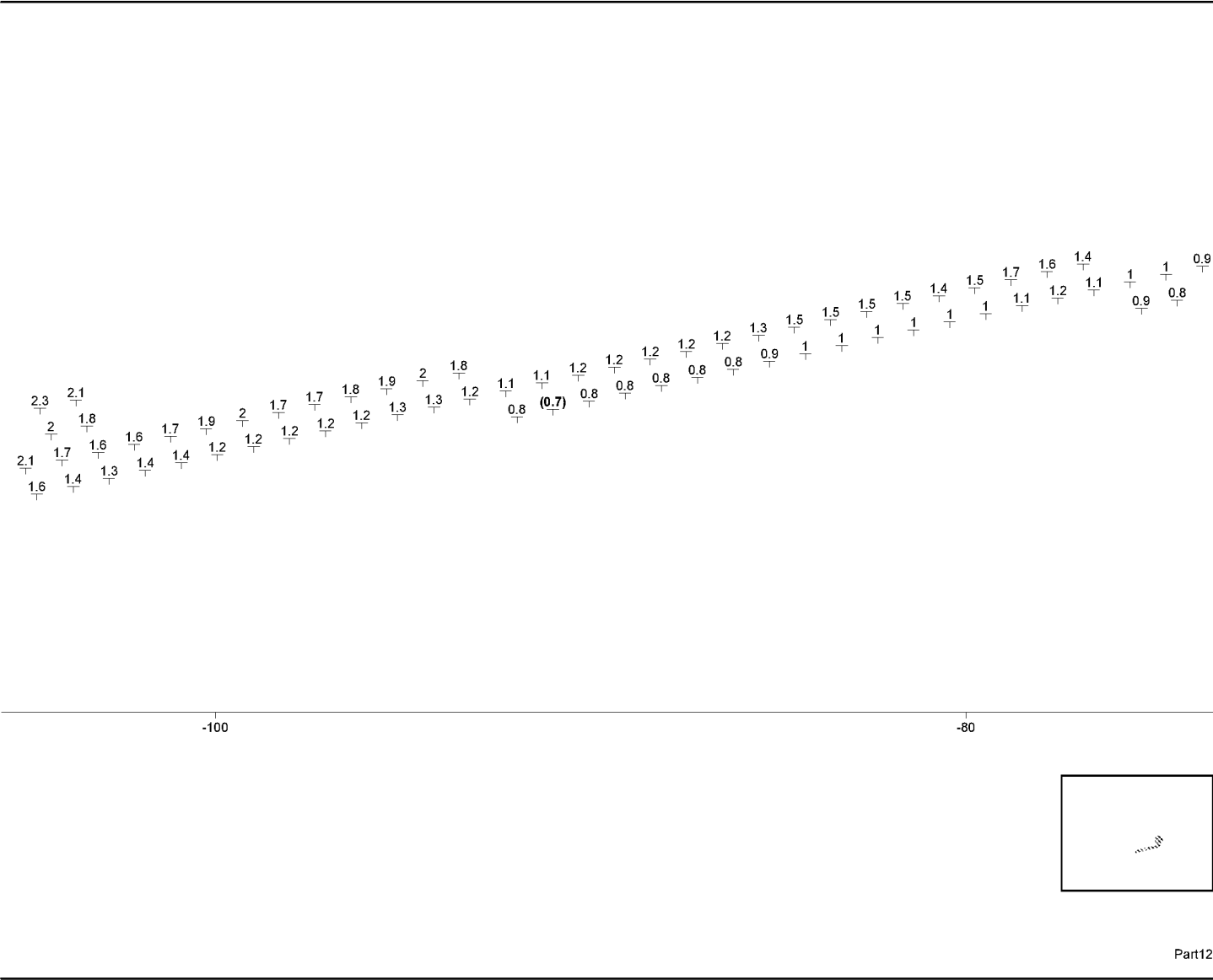
2.3 Calculation results, Exterior 1
2.3.49 Table, South Road 3 Pavement (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



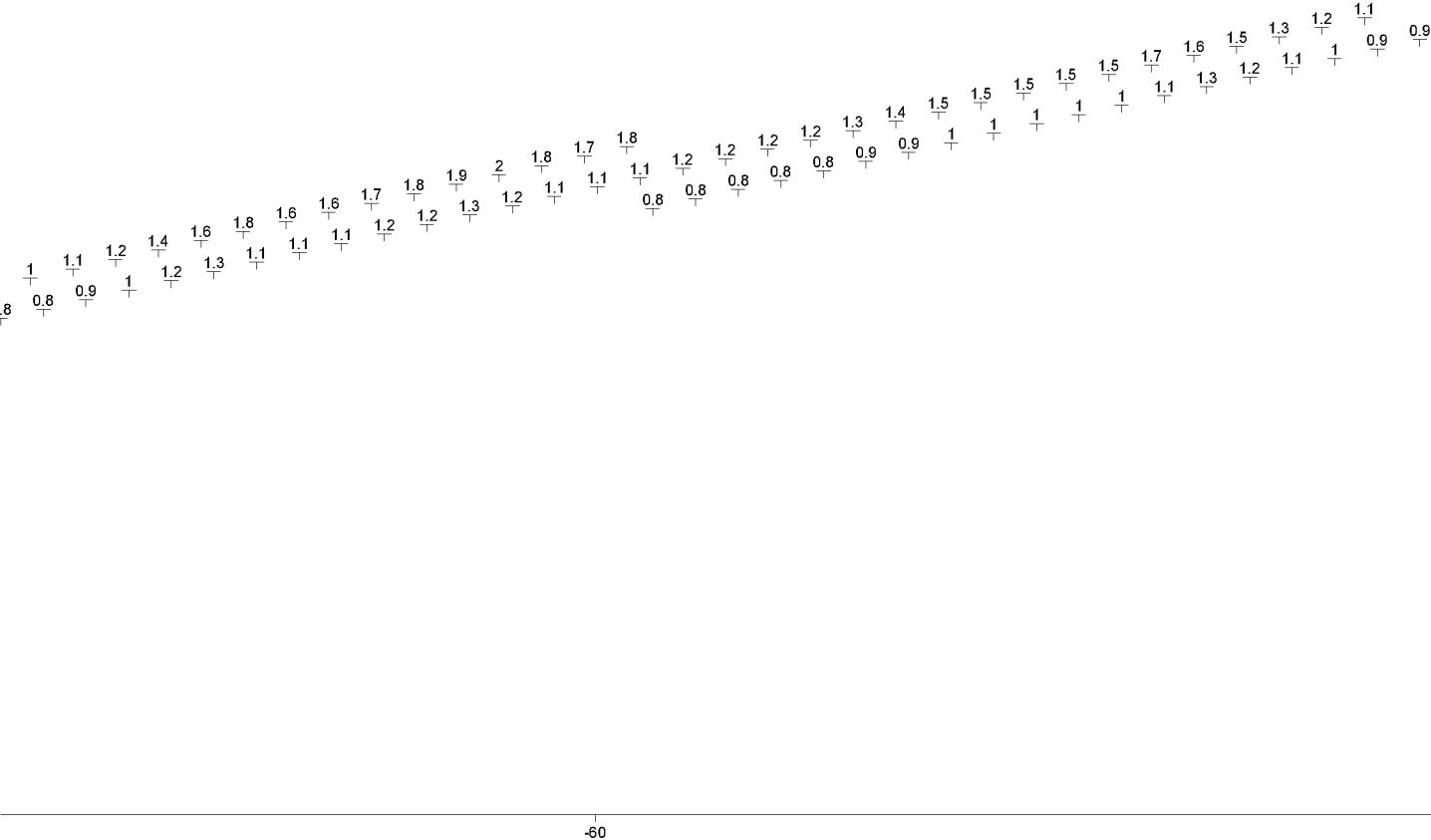
2.3 Calculation results, Exterior 1
2.3.49 Table, South Road 3 Pavement (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



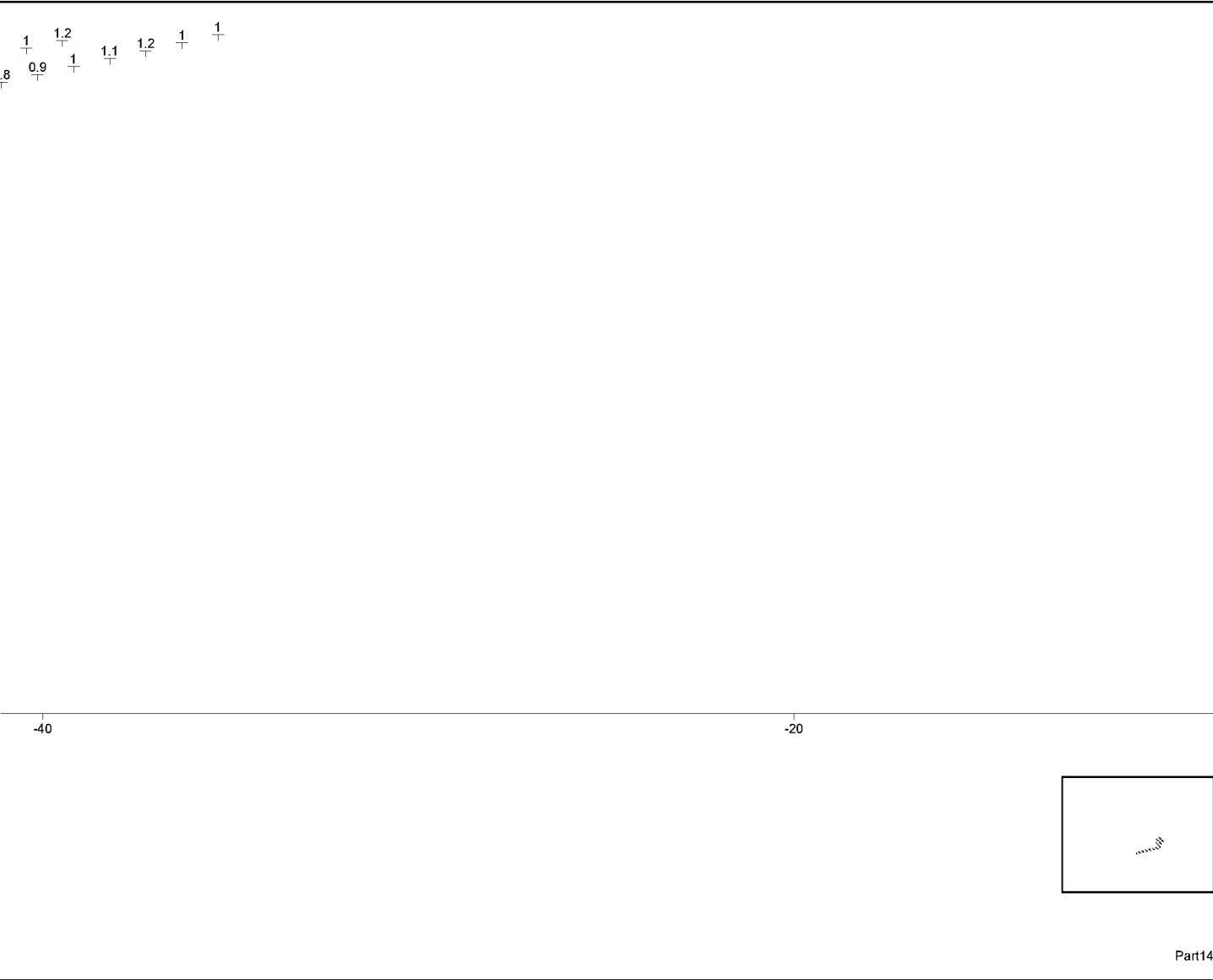
2.3 Calculation results, Exterior 1
2.3.49 Table, South Road 3 Pavement (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.49 Table, South Road 3 Pavement (E)

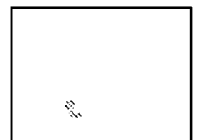
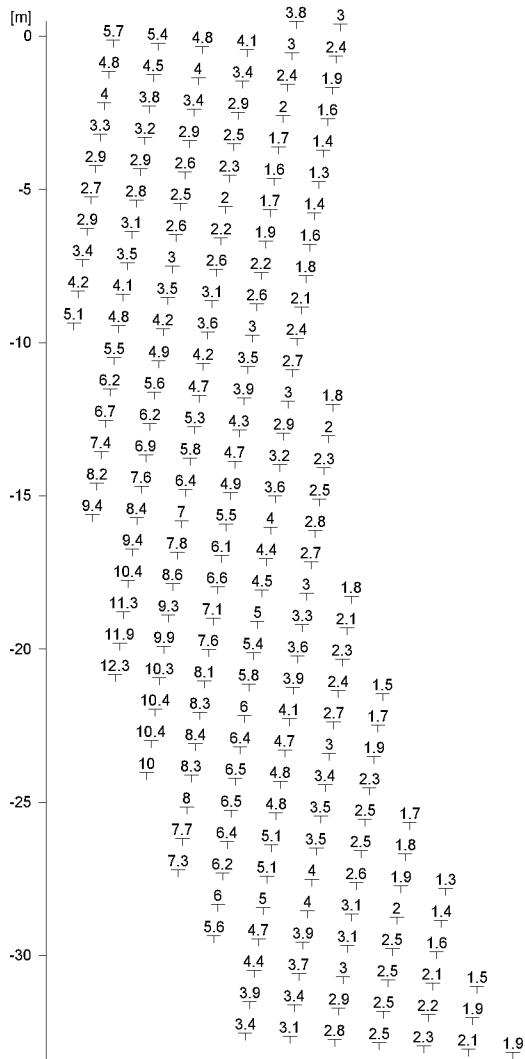


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.50 Table, South Road 4 Part 1 (E)



Part1

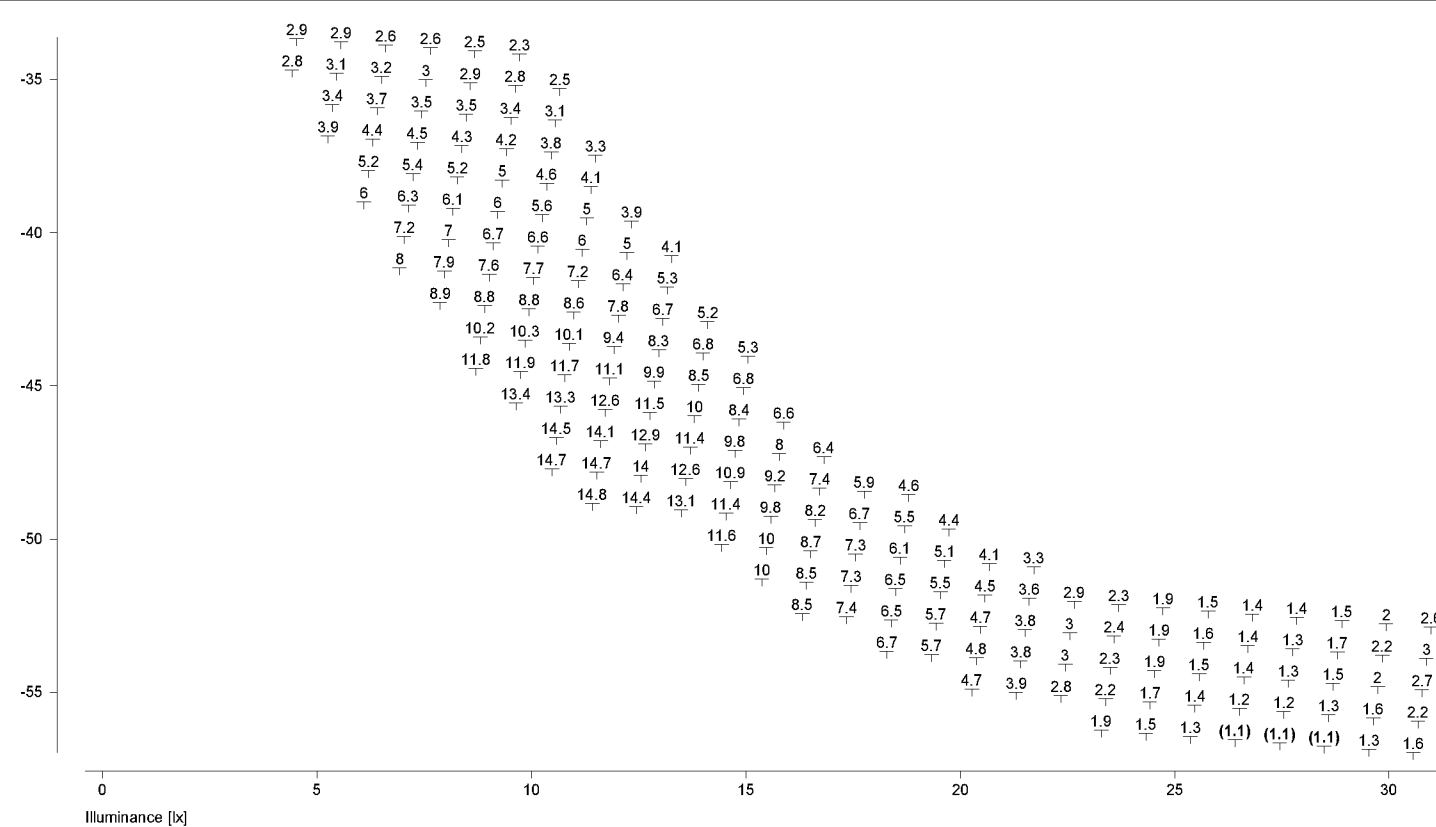
Height reference plane	: 0.01 m
Average illuminance	Em : 5.7 lx
Minimum illuminance	Emin : 1.1 lx
Maximum illuminance	Emax : 14.9 lx
Uniformity Uo	Emin/Em : 1 : 5.47 (0.18)
Diversity Ud	Emin/Emax : 1 : 14.15 (0.07)

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.50 Table, South Road 4 Part 1 (E)

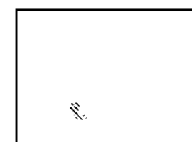
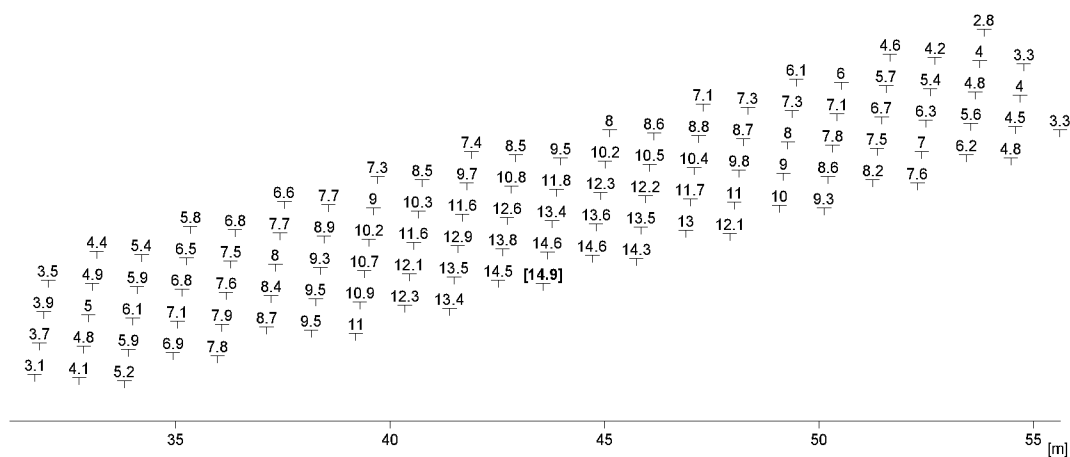


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY-R1
 Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.50 Table, South Road 4 Part 1 (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.51 Table, South Road 4 Part 2 (E)



Height reference plane	: 0.01 m
Average illuminance	Em : 6.4 lx
Minimum illuminance	Emin : 1 lx
Maximum illuminance	Emax : 14.9 lx
Uniformity Uo	: 1 : 6.39 (0.16)
Diversity Ud	: 1 : 14.91 (0.07)

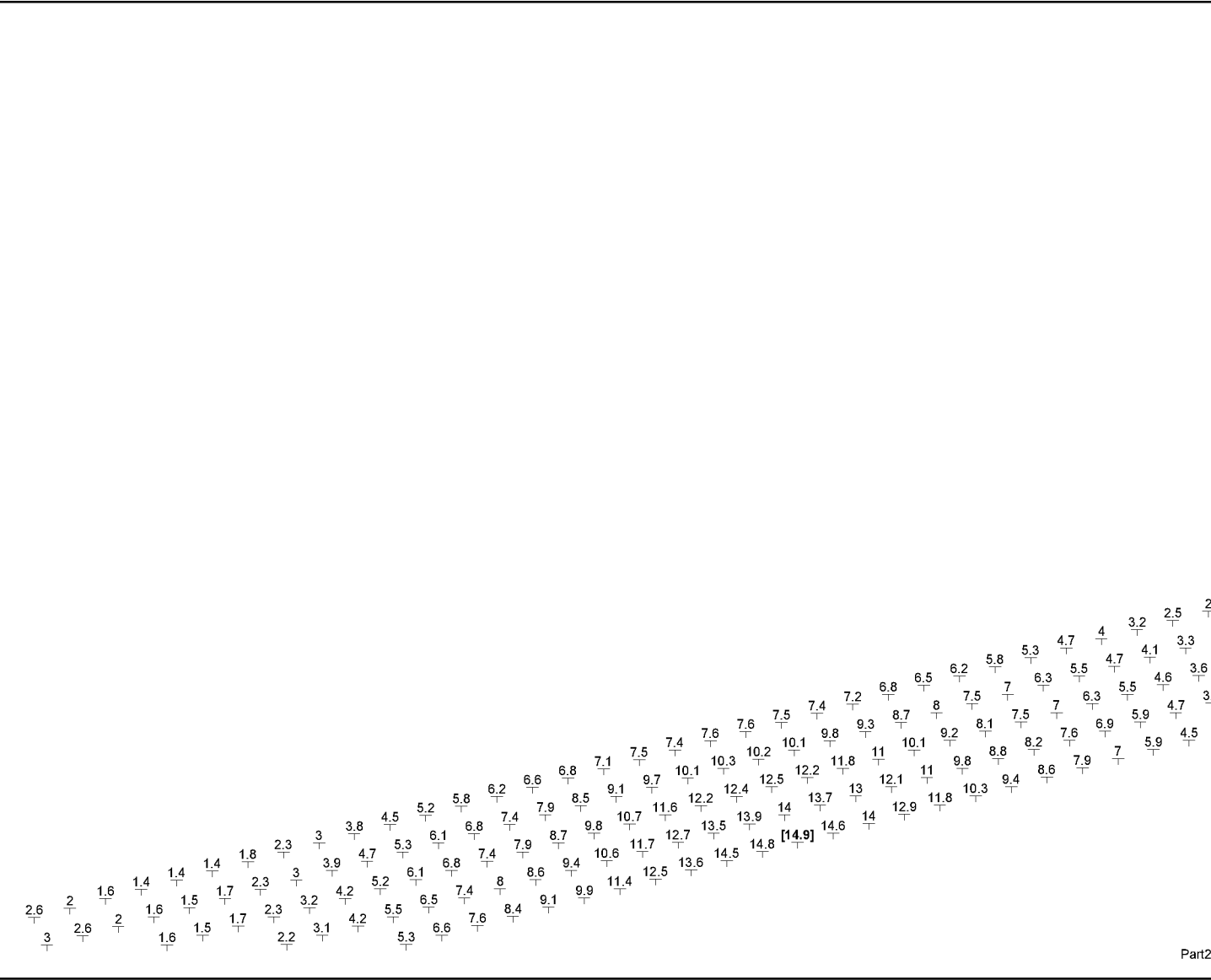


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.51 Table, South Road 4 Part 2 (E)

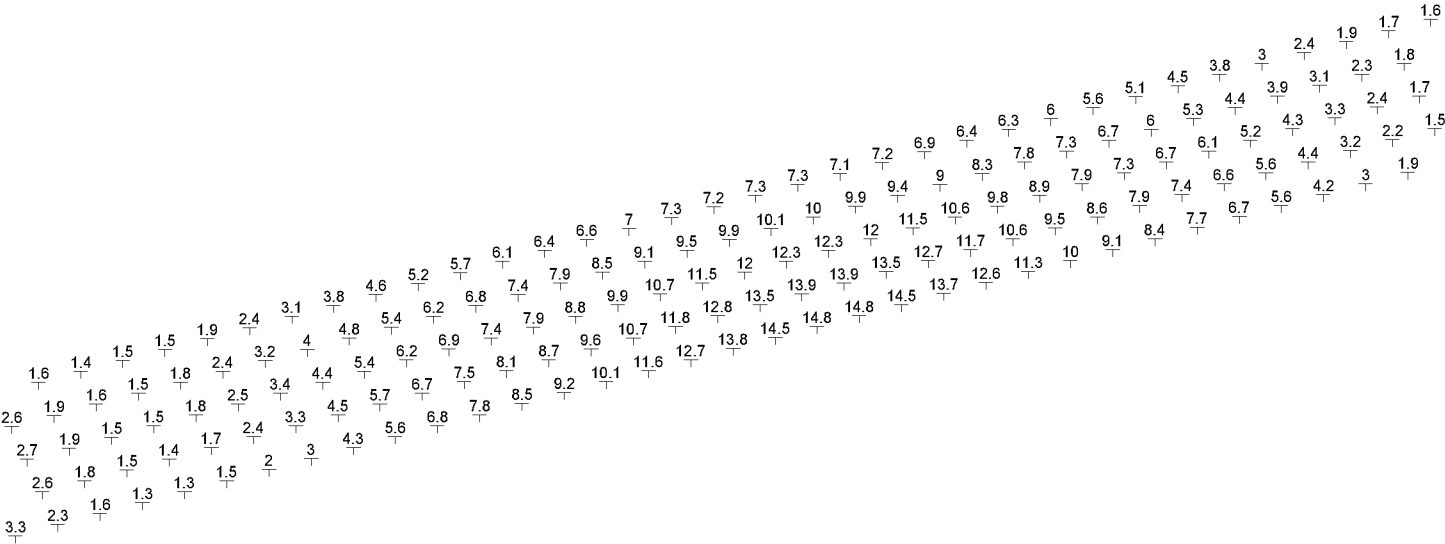


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CSVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.51 Table, South Road 4 Part 2 (E)

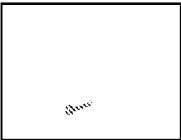
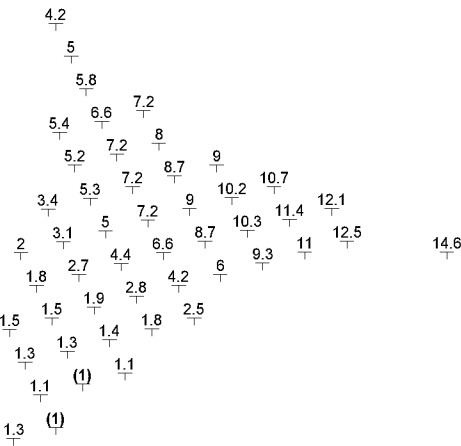


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1

2.3.51 Table, South Road 4 Part 2 (E)

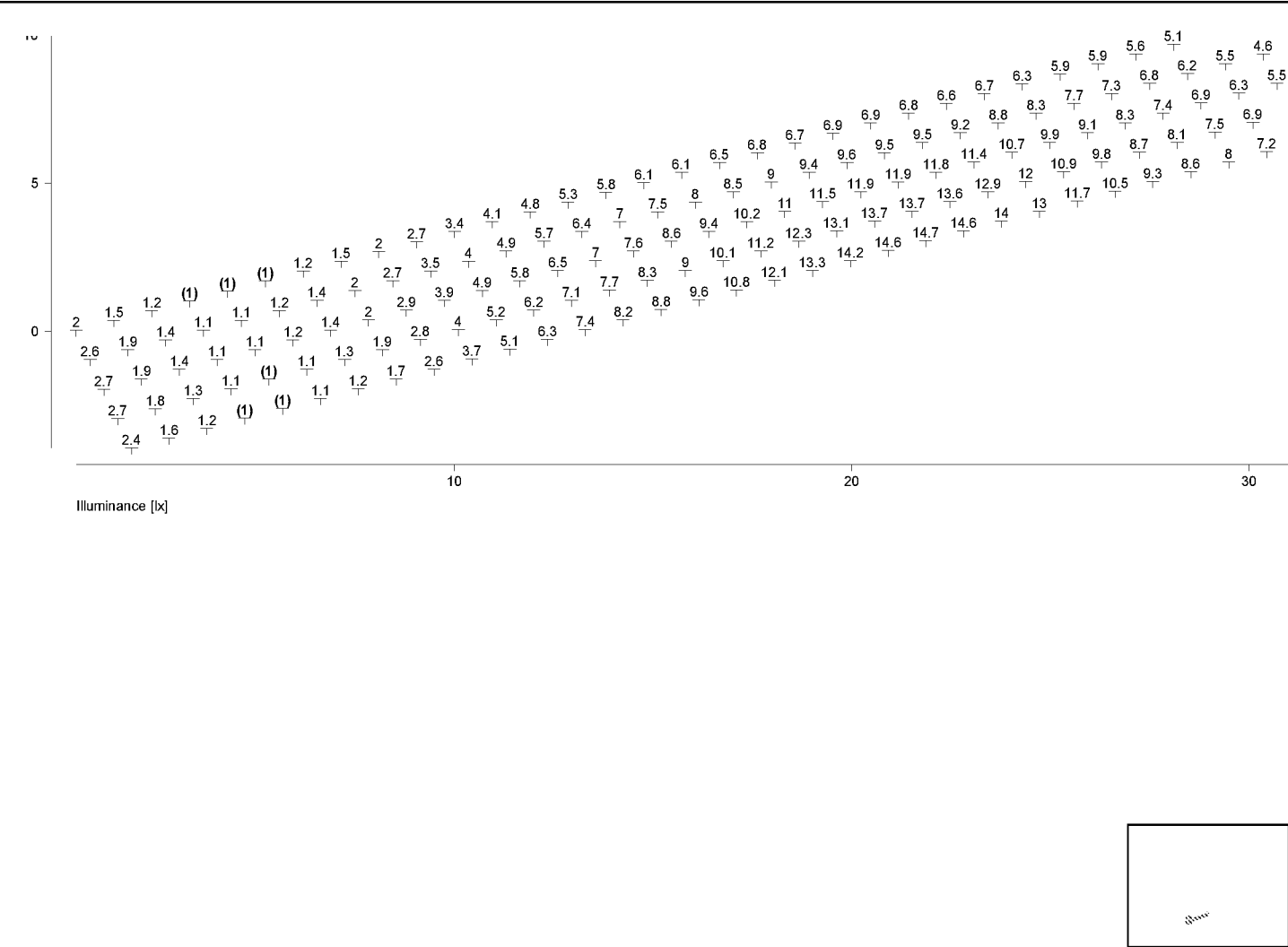


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



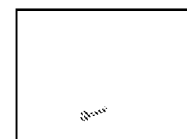
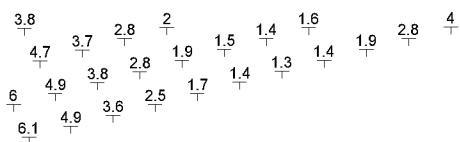
2.3 Calculation results, Exterior 1

2.3.51 Table, South Road 4 Part 2 (E)





LUMEN
DESIGNERS



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.52 Table, South Road 4 Part 2 Pavement (E)



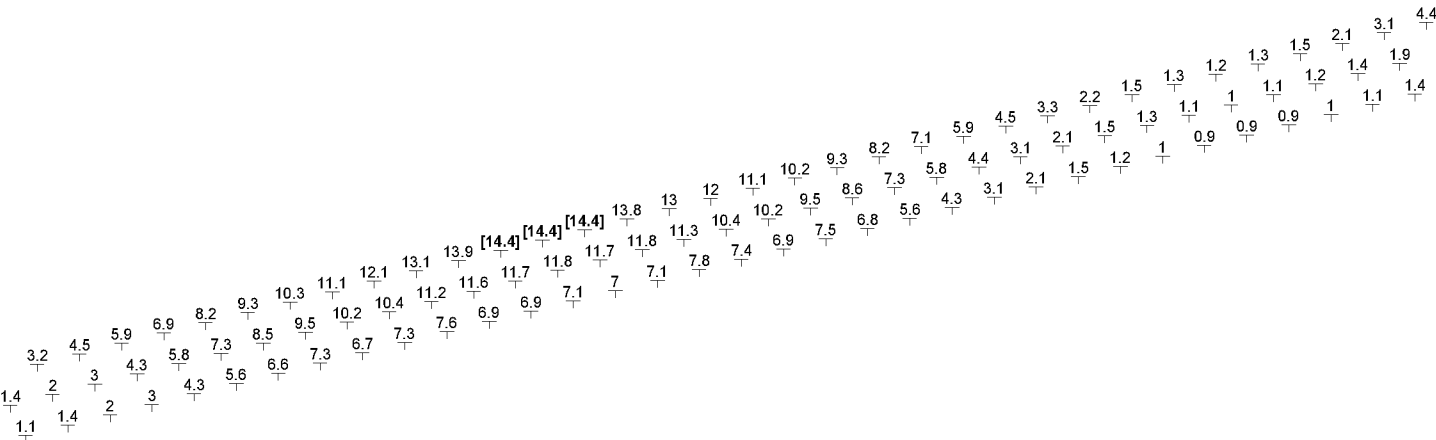
Height reference plane	: 0.01 m
Average illuminance	Em : 6.2 lx
Minimum illuminance	Emin : 0.7 lx
Maximum illuminance	Emax : 14.4 lx
Uniformity Uo	: 1 : 9.38 (0.11)
Diversity Ud	: 1 : 21.82 (0.05)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.52 Table, South Road 4 Part 2 Pavement (E)



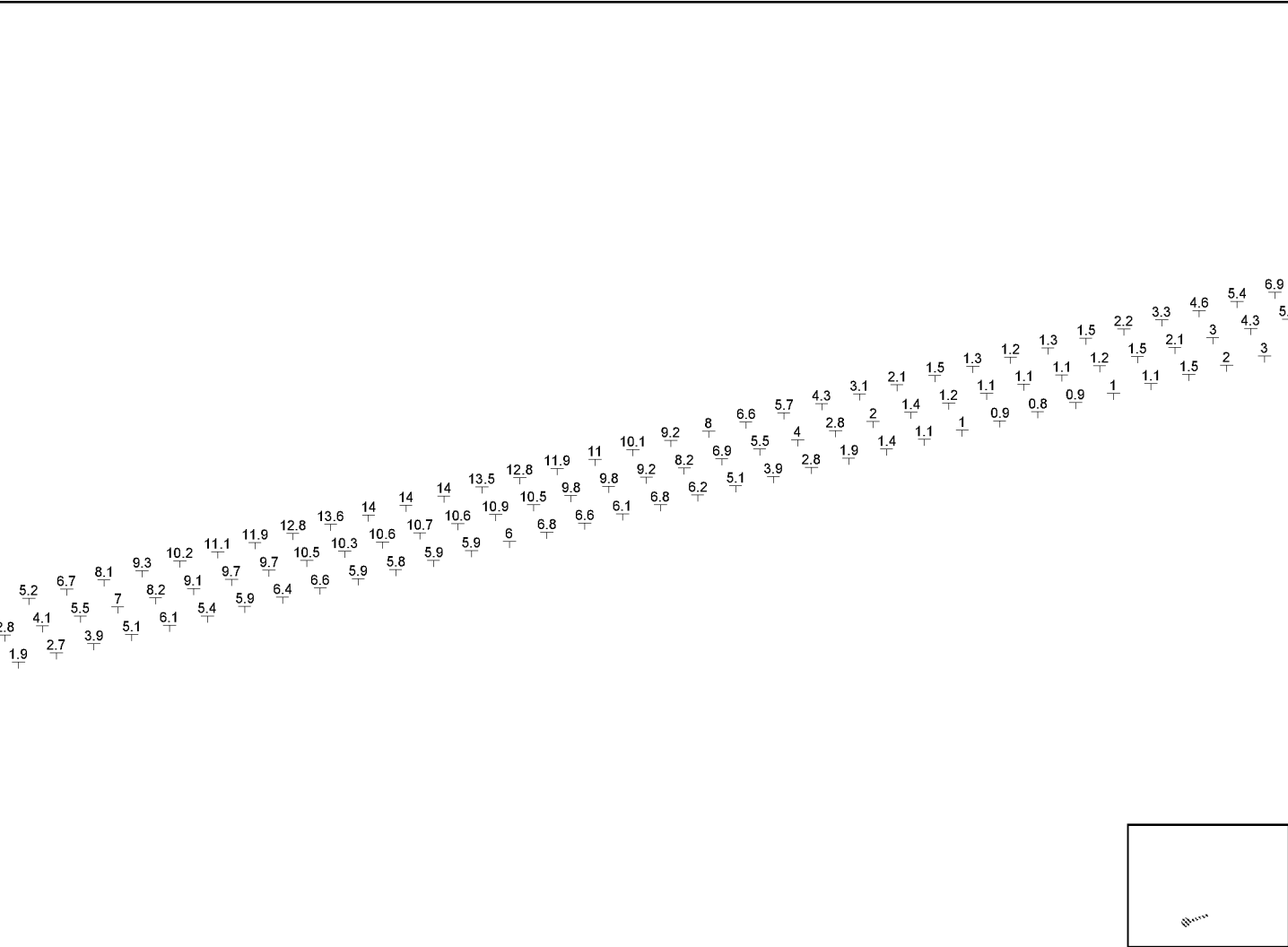
Part2



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



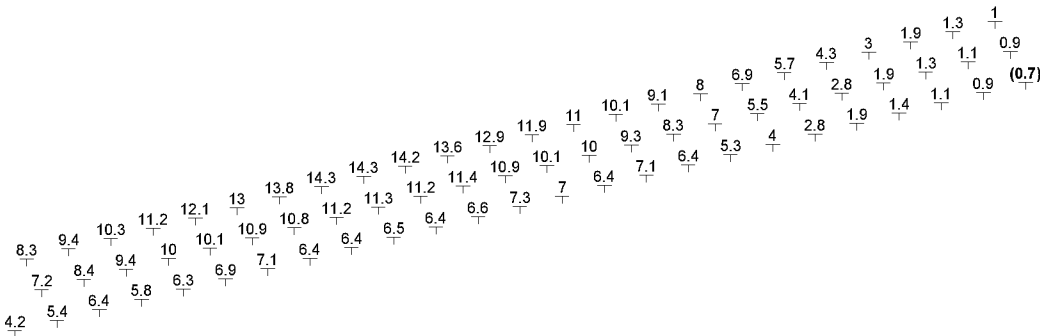
2.3 Calculation results, Exterior 1
2.3.52 Table, South Road 4 Part 2 Pavement (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.52 Table, South Road 4 Part 2 Pavement (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY-R1
Date : 04.04.2022



2.3 Calculation results, Exterior 1
2.3.52 Table, South Road 4 Part 2 Pavement (E)

