



Residential Area Street Lighting

Installation : LED Solar Powered Street Lighting

Project number : TLA/VIV/CVY
Customer : Vivid Solar Street Lighting
Processed by : DJT
Date : 05.08.2021

Project description:
Roads designed to S4 spec:
Average illuminance between 5 and 7.5 lux.
Minimum illuminance 1 lux.

Pavements designed to A4 spec:
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.

The Lumen Architect - Building Better Light!

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1 Luminaire data

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

1.1.1 Data sheet

Manufacturer: E-Able Power

AL-A020 LED

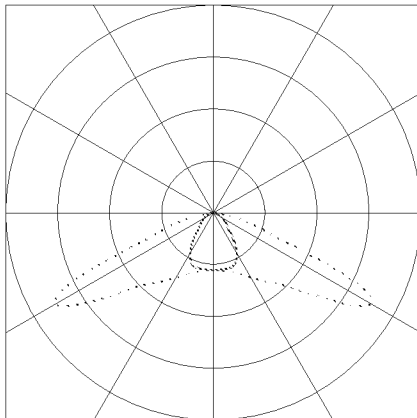
Luminaire data

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
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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

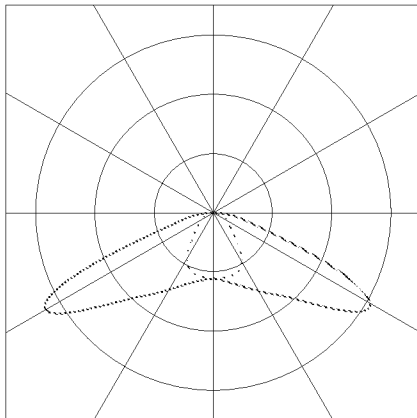
Luminaire data

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



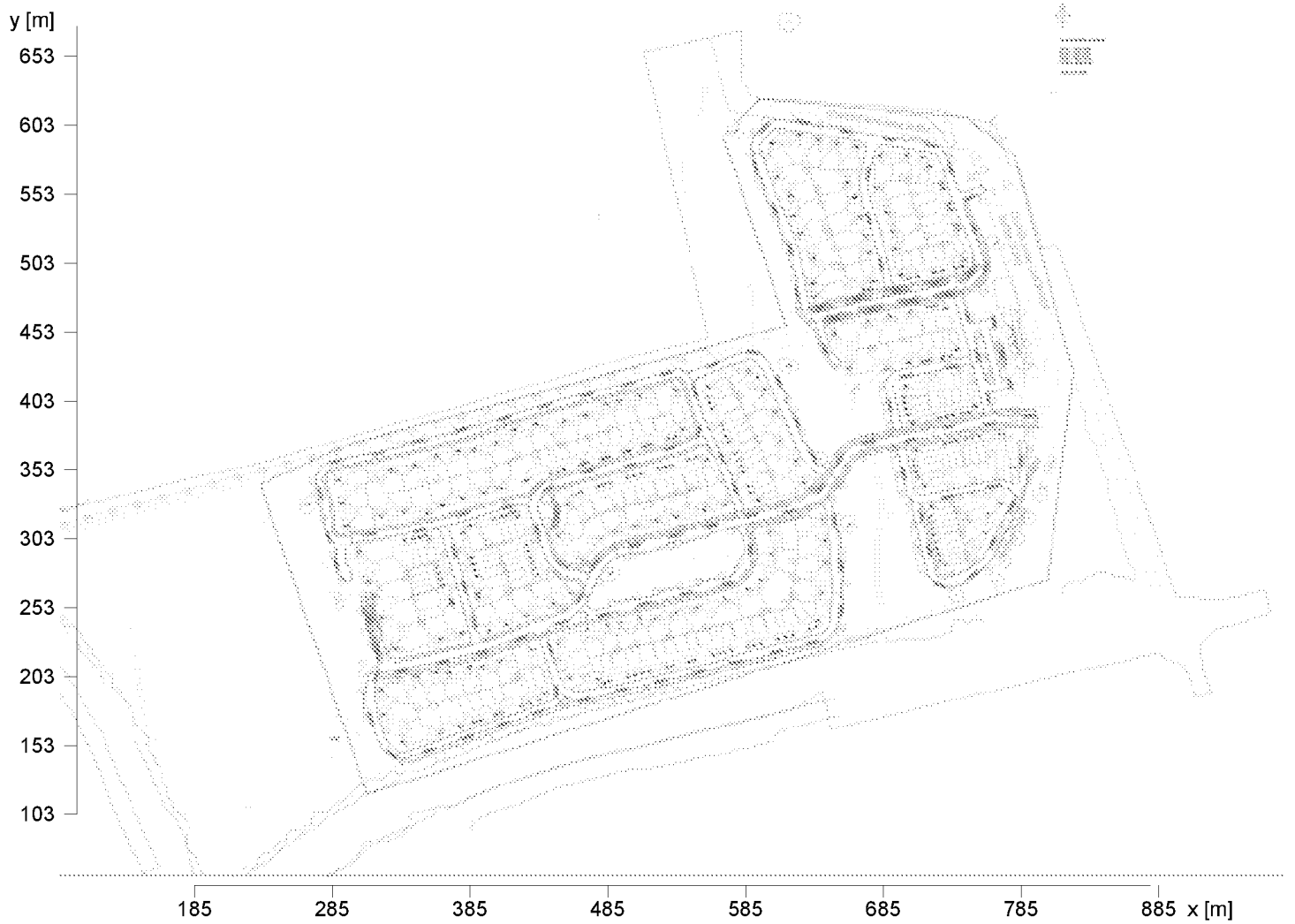
Object : Residential Area Street Lighting
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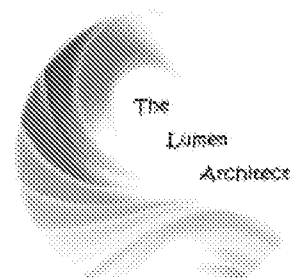
2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Floor plan



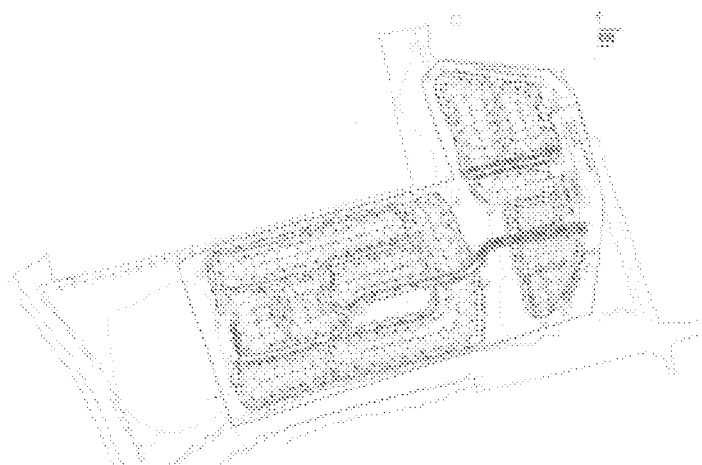
Object : Residential Area Street Lighting
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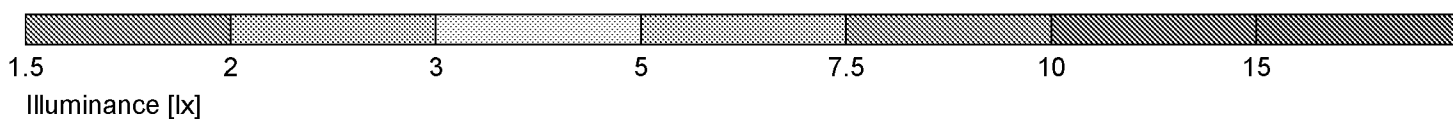
2 Exterior 1

2.2 Summary, Exterior 1

2.2.1 Result overview, Main Road Part 1



185 285 385 485 585 685 785 885 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 of all lamps : 304508 lm
 Total power : 2409 W
 Total power per area (160644.92 m²) : 0.01 W/m²

Illuminance

Average illuminance	Em	7.5 lx
Minimum illuminance	Emin	1.8 lx
Maximum illuminance	Emax	15 lx
Uniformity Uo	Emin/Em	1:4.17 (0.24)
Diversity Ud	Emin/Emax	1:8.38 (0.12)

Type No.\Make

		E-Able Power
1	112	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
Date : 05.08.2021



2 Exterior 1

2.2 Summary, Exterior 1

2.2.1 Result overview, Main Road Part 1

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

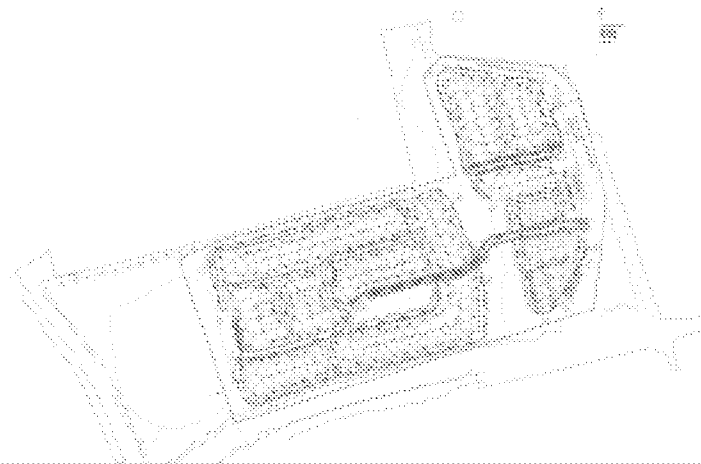


Object : Residential Area Street Lighting
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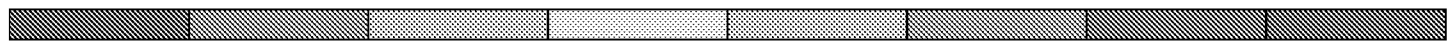


2.2 Summary, Exterior 1

2.2.2 Result overview, Main Road Part 2



185 285 385 485 585 685 785 885 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 of all lamps 304508 lm
 Total power 2409 W
 Total power per area (160644.92 m²) 0.01 W/m²

Illuminance

Average illuminance	Em	7.1 lx
Minimum illuminance	Emin	1.3 lx
Maximum illuminance	Emax	15.1 lx
Uniformity Uo	Emin/Em	1:5.43 (0.18)
Diversity Ud	Emin/Emax	1:11.6 (0.09)

Type No.\Make

		E-Able Power
1	112	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
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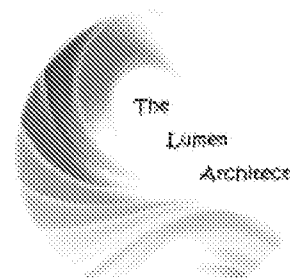
2.2 Summary, Exterior 1

2.2.2 Result overview, Main Road Part 2

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

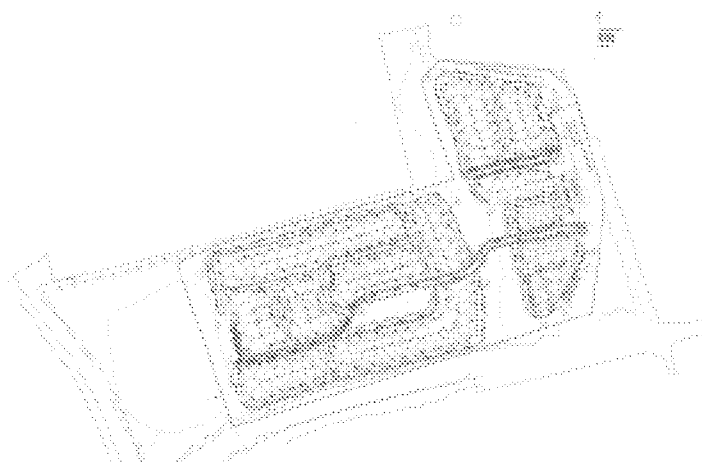


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



2.2 Summary, Exterior 1

2.2.3 Result overview, Main Road Part 3



185 285 385 485 585 685 785 885 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 of all lamps	304508 lm
Total power	2409 W
Total power per area (160644.92 m ²)	0.01 W/m ²

Illuminance

Average illuminance	Em	5.7 lx
Minimum illuminance	Emin	1.5 lx
Maximum illuminance	Emax	14.8 lx
Uniformity Uo	Emin/Em	1:3.93 (0.25)
Diversity Ud	Emin/Emax	1:10.1 (0.1)

Type No.\Make

E-Able Power	
1	112
	Order No. : AL-A020
	Luminaire name : LED
	Equipment : 1 x 20 W / 2554 lm
	Maintenance factor: 0.93

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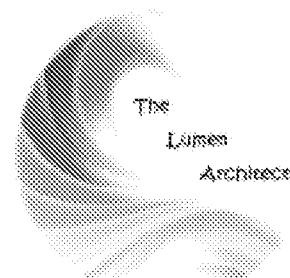
2.2 Summary, Exterior 1

2.2.3 Result overview, Main Road Part 3

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

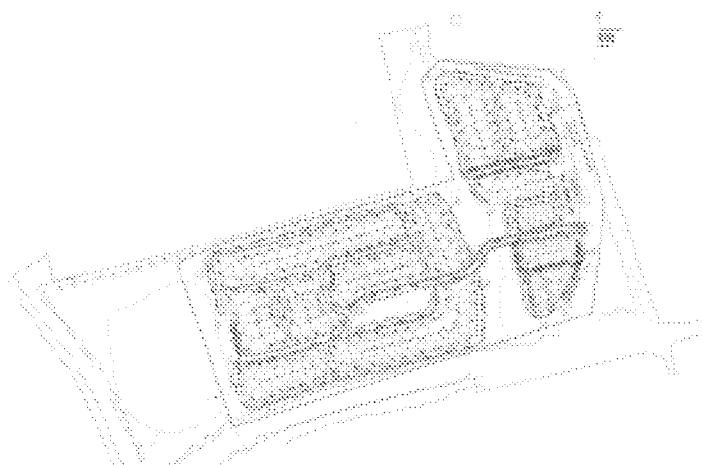


Object : Residential Area Street Lighting
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2.2 Summary, Exterior 1

2.2.4 Result overview, South Road 1 Part 1



185 285 385 485 585 685 785 885 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 of all lamps	304508 lm
Total power	2409 W
Total power per area (160644.92 m ²)	0.01 W/m ²

Illuminance

Average illuminance	Em	6 lx
Minimum illuminance	Emin	1 lx
Maximum illuminance	Emax	15 lx
Uniformity Uo	Emin/Em	1:5.79 (0.17)
Diversity Ud	Emin/Emax	1:14.5 (0.07)

Type No.\Make

1	112	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
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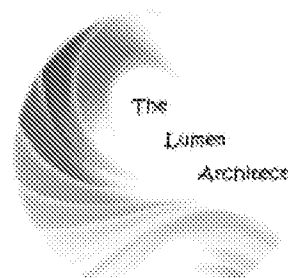
2.2 Summary, Exterior 1

2.2.4 Result overview, South Road 1 Part 1

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

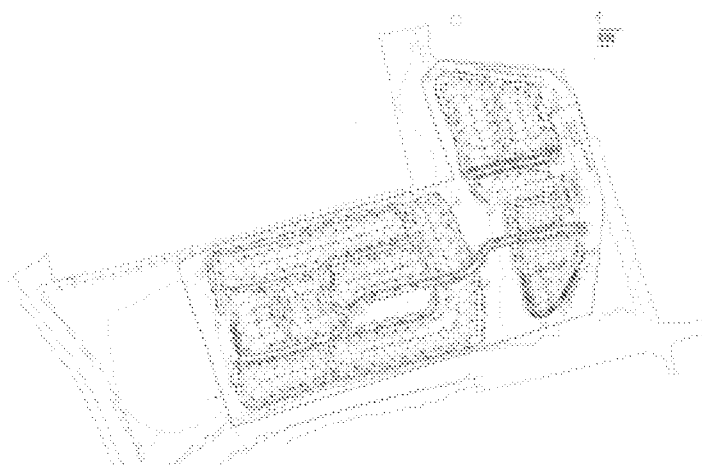


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 Date : 05.08.2021

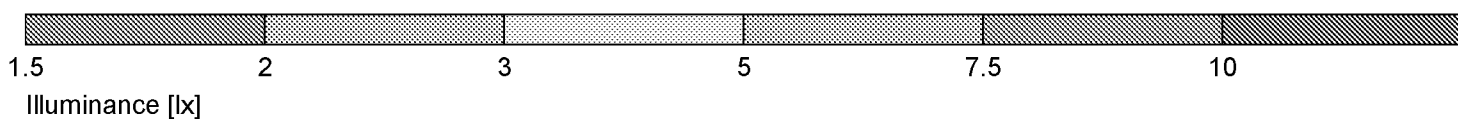


2.2 Summary, Exterior 1

2.2.5 Result overview, South Road 1 Part 2



185 285 385 485 585 685 785 885 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 of all lamps	304508 lm
Total power	2409 W
Total power per area (160644.92 m²)	0.01 W/m²

Illuminance

Average illuminance	Em	7.5 lx
Minimum illuminance	Emin	2 lx
Maximum illuminance	Emax	14.9 lx
Uniformity Uo	Emin/Em	1:3.83 (0.26)
Diversity Ud	Emin/Emax	1:7.62 (0.13)

Type No.\Make

E-Able Power	
1	112
	Order No. : AL-A020
	Luminaire name : LED
	Equipment : 1 x 20 W / 2554 lm
	Maintenance factor: 0.93

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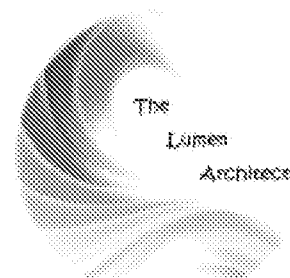
2.2 Summary, Exterior 1

2.2.5 Result overview, South Road 1 Part 2

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

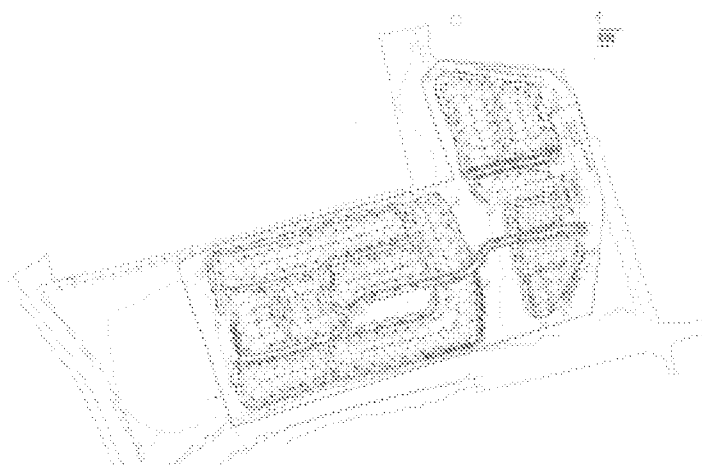


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2.2 Summary, Exterior 1

2.2.6 Result overview, South Road 2 Part 1



185 285 385 485 585 685 785 885 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 of all lamps	304508 lm
Total power	2409 W
Total power per area (160644.92 m ²)	0.01 W/m ²

Illuminance

Average illuminance	Em	6.5 lx
Minimum illuminance	Emin	1.2 lx
Maximum illuminance	Emax	14.9 lx
Uniformity Uo	Emin/Em	1:5.23 (0.19)
Diversity Ud	Emin/Emax	1:12 (0.08)

Type No.\Make

E-Able Power	
1	112
	Order No. : AL-A020
	Luminaire name : LED
	Equipment : 1 x 20 W / 2554 lm
	Maintenance factor: 0.93

Object : Residential Area Street Lighting
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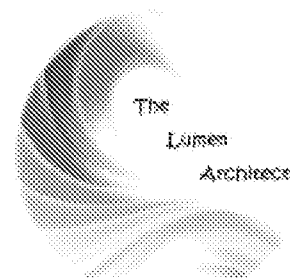
2.2 Summary, Exterior 1

2.2.6 Result overview, South Road 2 Part 1

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

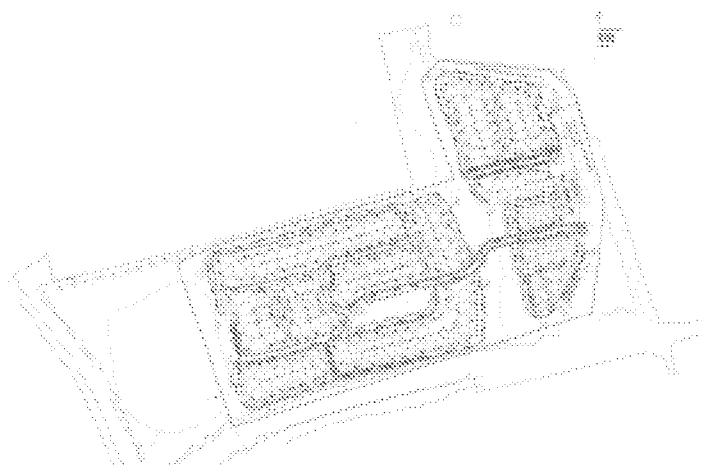


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



2.2 Summary, Exterior 1

2.2.7 Result overview, South Road 2 Part 2



185 285 385 485 585 685 785 885 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 of all lamps	304508 lm
Total power	2409 W
Total power per area (160644.92 m ²)	0.01 W/m ²

Illuminance

Average illuminance	Em	7 lx
Minimum illuminance	Emin	1.1 lx
Maximum illuminance	Emax	14.8 lx
Uniformity Uo	Emin/Em	1:6.22 (0.16)
Diversity Ud	Emin/Emax	1:13.2 (0.08)

Type No.\Make

E-Able Power	
1	112
	Order No. : AL-A020
	Luminaire name : LED
	Equipment : 1 x 20 W / 2554 lm
	Maintenance factor: 0.93

Object : Residential Area Street Lighting
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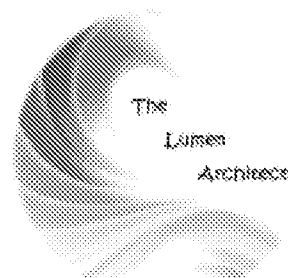
2.2 Summary, Exterior 1

2.2.7 Result overview, South Road 2 Part 2

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

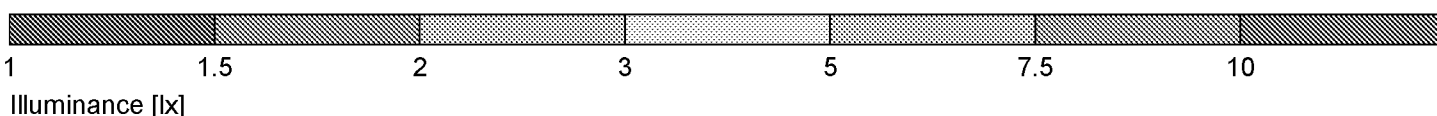
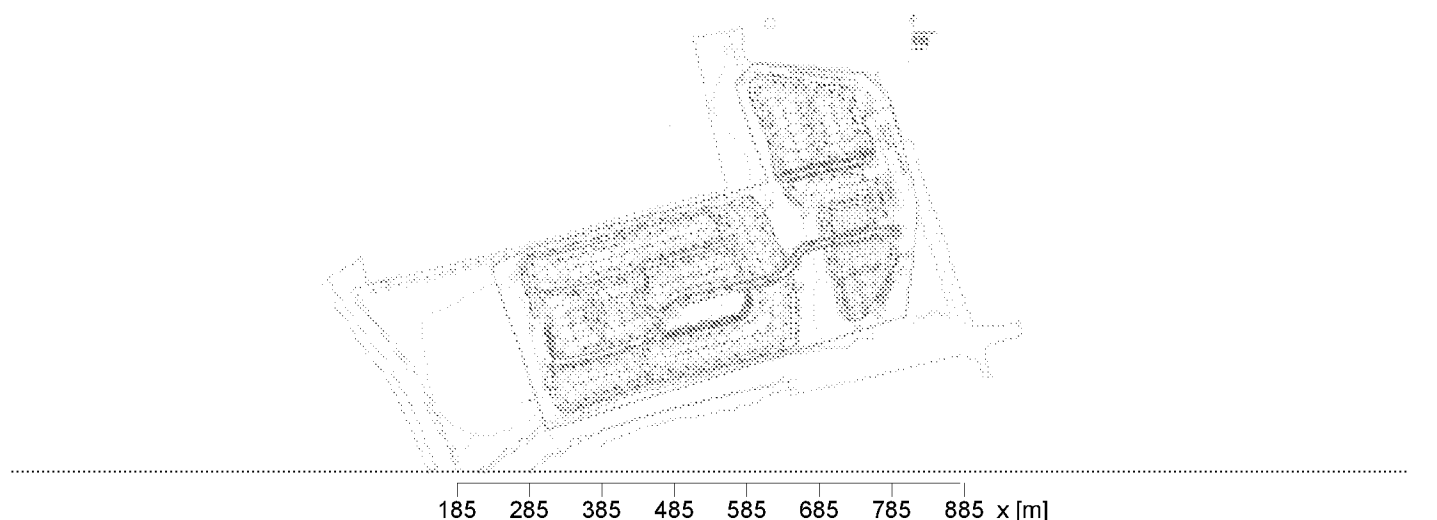


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



2.2 Summary, Exterior 1

2.2.8 Result overview, South Road 3



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 of all lamps : 304508 lm
 Total power : 2409 W
 Total power per area (160644.92 m²) : 0.01 W/m²

Illuminance

Average illuminance	Em	6.4 lx
Minimum illuminance	Emin	1.2 lx
Maximum illuminance	Emax	14.5 lx
Uniformity Uo	Emin/Em	1:5.56 (0.18)
Diversity Ud	Emin/Emax	1:12.6 (0.08)

Type No.\Make

		E-Able Power
1	112	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
Date : 05.08.2021



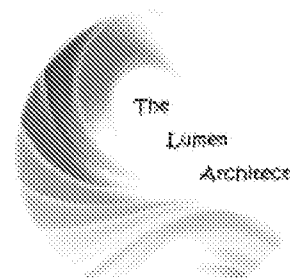
2.2 Summary, Exterior 1

2.2.8 Result overview, South Road 3

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

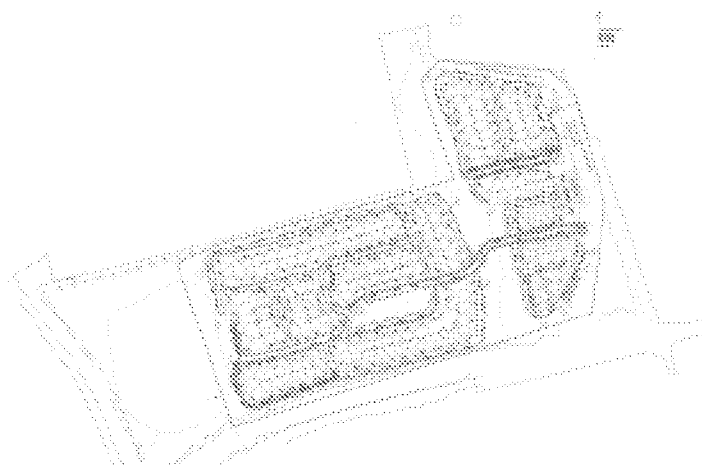


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



2.2 Summary, Exterior 1

2.2.9 Result overview, South Road 4



185 285 385 485 585 685 785 885 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 of all lamps 304508 lm
 Total power 2409 W
 Total power per area (160644.92 m²) 0.01 W/m²

Illuminance

Average illuminance	Em	7.3 lx
Minimum illuminance	Emin	1.1 lx
Maximum illuminance	Emax	14.9 lx
Uniformity Uo	Emin/Em	1:6.45 (0.15)
Diversity Ud	Emin/Emax	1:13.3 (0.08)

Type No.\Make

		E-Able Power
1	112	Order No. : AL-A020
		Luminaire name : LED
		Equipment : 1 x 20 W / 2554 lm
		Maintenance factor: 0.93

Object : Residential Area Street Lighting
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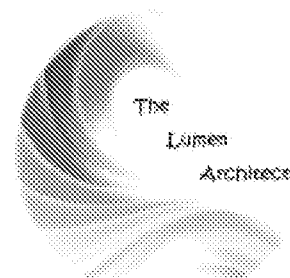
2.2 Summary, Exterior 1

2.2.9 Result overview, South Road 4

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

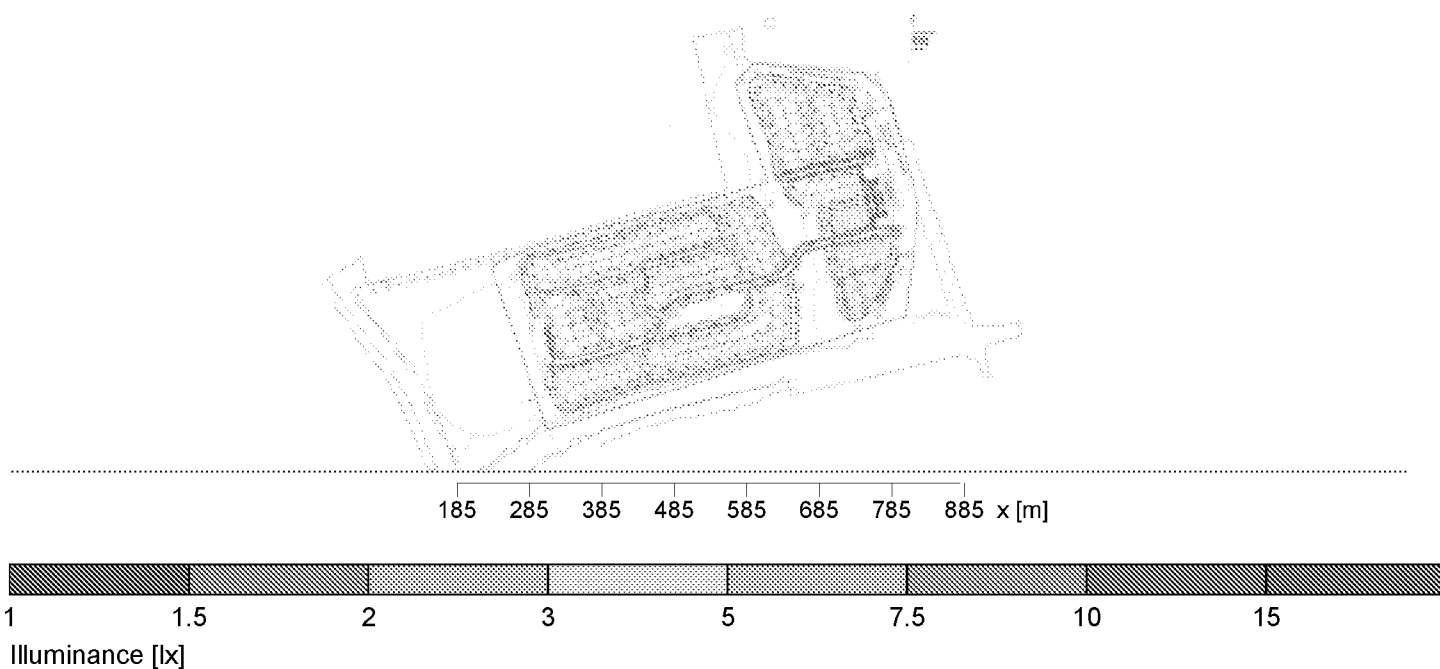


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



2.2 Summary, Exterior 1

2.2.10 Result overview, North Road 1



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 of all lamps	304508 lm
Total power	2409 W
Total power per area (160644.92 m ²)	0.01 W/m ²

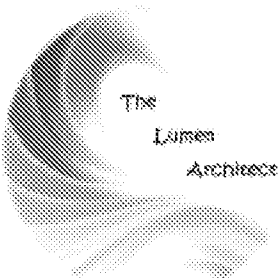
Illuminance

Average illuminance	Em	5.7 lx
Minimum illuminance	Emin	1 lx
Maximum illuminance	Emax	15.3 lx
Uniformity Uo	Emin/Em	1:5.66 (0.18)
Diversity Ud	Emin/Emax	1:15.2 (0.07)

Type No.\Make

1	112	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
Date : 05.08.2021



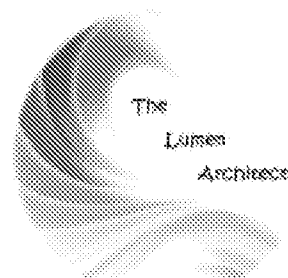
2.2 Summary, Exterior 1

2.2.10 Result overview, North Road 1

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

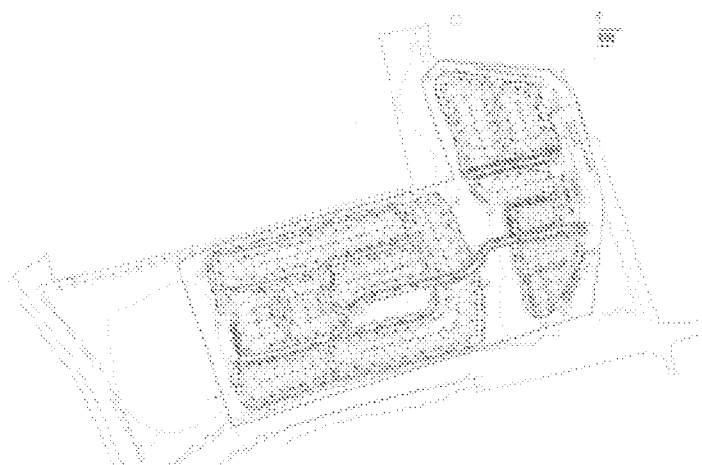


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



2.2 Summary, Exterior 1

2.2.11 Result overview, North Road 2



185 285 385 485 585 685 785 885 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 of all lamps : 304508 lm
 Total power : 2409 W
 Total power per area (160644.92 m²) : 0.01 W/m²

Illuminance

Average illuminance	Em	6.2 lx
Minimum illuminance	Emin	1.2 lx
Maximum illuminance	Emax	14.5 lx
Uniformity Uo	Emin/Em	1:5.34 (0.19)
Diversity Ud	Emin/Emax	1:12.6 (0.08)

Type No.\Make

		E-Able Power
1	112	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
Date : 05.08.2021



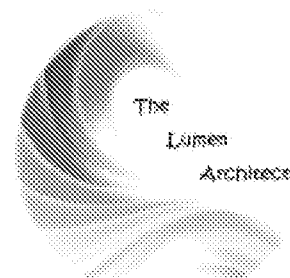
2.2 Summary, Exterior 1

2.2.11 Result overview, North Road 2

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

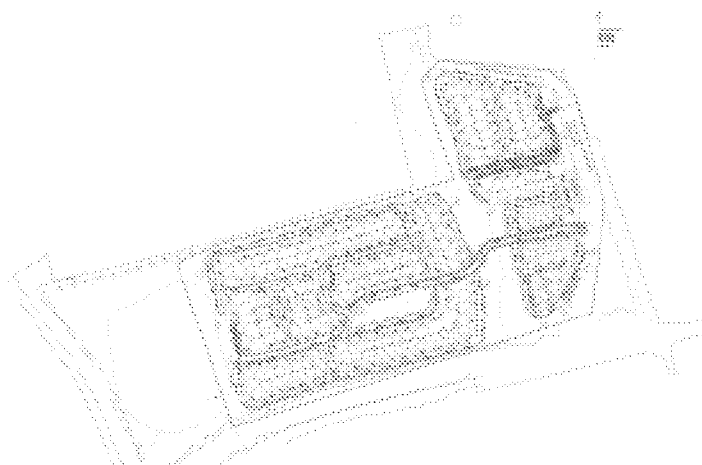


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



2.2 Summary, Exterior 1

2.2.12 Result overview, North Road 3 Part 1



185 285 385 485 585 685 785 885 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 of all lamps 304508 lm
 Total power 2409 W
 Total power per area (160644.92 m²) 0.01 W/m²

Illuminance

Average illuminance	Em	5.6 lx
Minimum illuminance	Emin	1.3 lx
Maximum illuminance	Emax	14.9 lx
Uniformity Uo	Emin/Em	1:4.23 (0.24)
Diversity Ud	Emin/Emax	1:11.3 (0.09)

Type No.\Make

E-Able Power

1	112	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
Date : 05.08.2021



2.2 Summary, Exterior 1

2.2.12 Result overview, North Road 3 Part 1

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

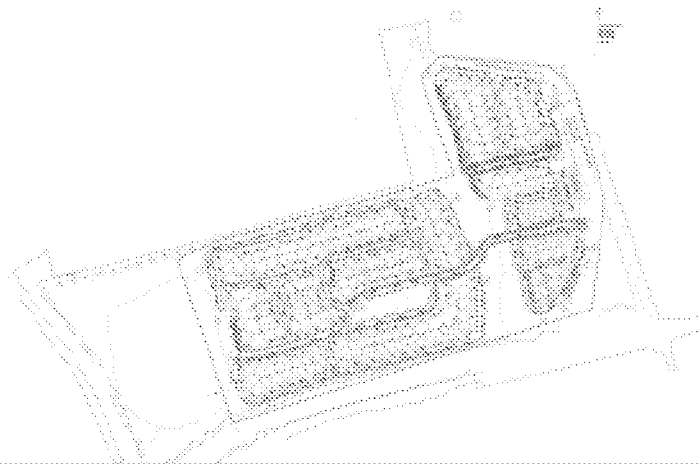


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021

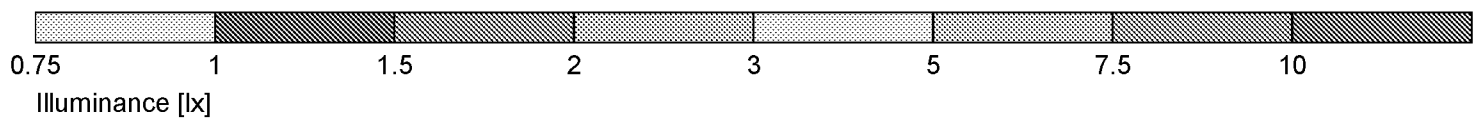


2.2 Summary, Exterior 1

2.2.13 Result overview, North Road 3 Part 2



185 285 385 485 585 685 785 885 x [m]



General

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

Total luminous flux of all lamps : 304508 lm
 Total power : 2409 W
 Total power per area (160644.92 m²) : 0.01 W/m²

Illuminance

Average illuminance	Em	5.9 lx
Minimum illuminance	Emin	1 lx
Maximum illuminance	Emax	14.9 lx
Uniformity Uo	Emin/Em	1:6.11 (0.16)
Diversity Ud	Emin/Emax	1:15.4 (0.07)

Type No.\Make

E-Able Power

1	112	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
Date : 05.08.2021



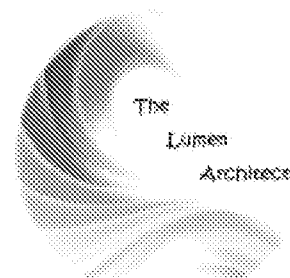
2.2 Summary, Exterior 1

2.2.13 Result overview, North Road 3 Part 2

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

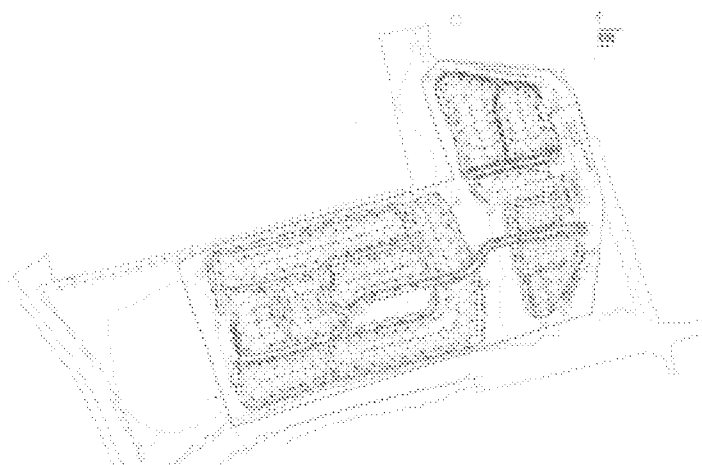


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



2.2 Summary, Exterior 1

2.2.14 Result overview, North Road 3 Part 3



185 285 385 485 585 685 785 885 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 of all lamps : 304508 lm
 Total power : 2409 W
 Total power per area (160644.92 m²) : 0.01 W/m²

Illuminance

Average illuminance	Em	6.4 lx
Minimum illuminance	Emin	1 lx
Maximum illuminance	Emax	15.1 lx
Uniformity Uo	Emin/Em	1:6.13 (0.16)
Diversity Ud	Emin/Emax	1:14.4 (0.07)

Type No.\Make

		E-Able Power
1	112	Order No. : AL-A020
		Luminaire name : LED
		Equipment : 1 x 20 W / 2554 lm
		Maintenance factor: 0.93

The Lumen Architect - Building Better Light!

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



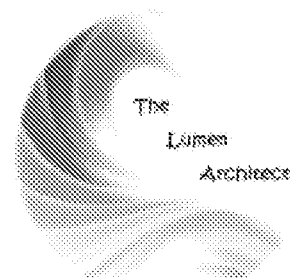
2.2 Summary, Exterior 1

2.2.14 Result overview, North Road 3 Part 3

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

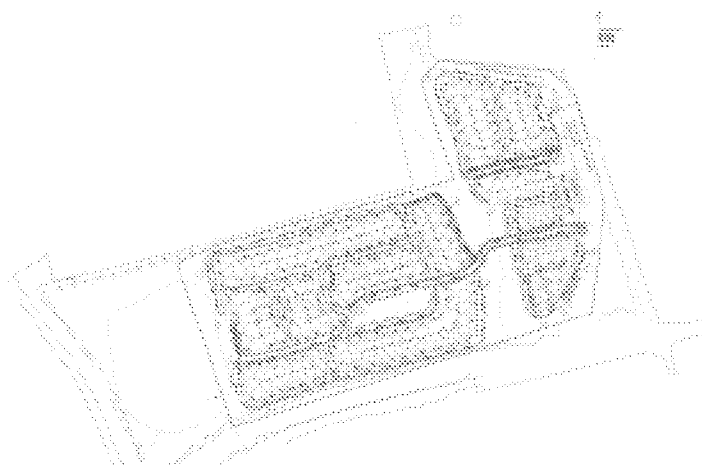


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



2.2 Summary, Exterior 1

2.2.15 Result overview, North Road 4



185 285 385 485 585 685 785 885 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 of all lamps 304508 lm
 Total power 2409 W
 Total power per area (160644.92 m²) 0.01 W/m²

Illuminance

Average illuminance	Em	6 lx
Minimum illuminance	Emin	1.4 lx
Maximum illuminance	Emax	14.5 lx
Uniformity Uo	Emin/Em	1:4.27 (0.23)
Diversity Ud	Emin/Emax	1:10.3 (0.1)

Type No.\Make

		E-Able Power
1	112	Order No. : AL-A020
		Luminaire name : LED
		Equipment : 1 x 20 W / 2554 lm
		Maintenance factor: 0.93

The Lumen Architect - Building Better Light!

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



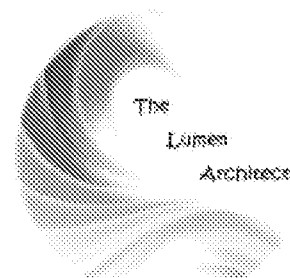
2.2 Summary, Exterior 1

2.2.15 Result overview, North Road 4

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

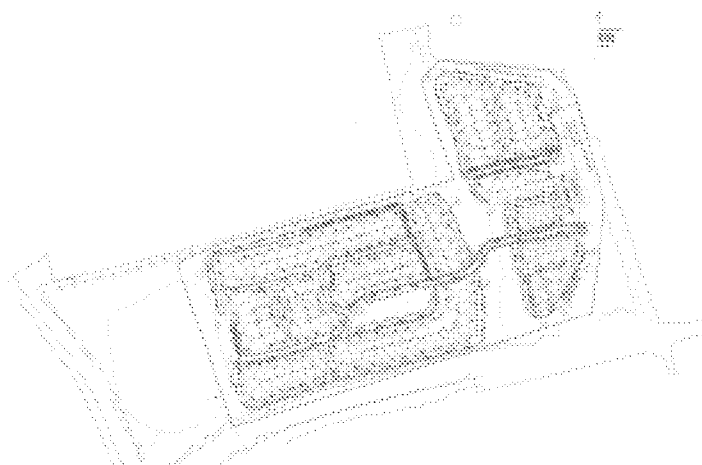


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



2.2 Summary, Exterior 1

2.2.16 Result overview, North Road 5 Part 1



185 285 385 485 585 685 785 885 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 of all lamps 304508 lm
 Total power 2409 W
 Total power per area (160644.92 m²) 0.01 W/m²

Illuminance

Average illuminance	Em	7.3 lx
Minimum illuminance	Emin	1.3 lx
Maximum illuminance	Emax	14.9 lx
Uniformity Uo	Emin/Em	1:5.52 (0.18)
Diversity Ud	Emin/Emax	1:11.2 (0.09)

Type No.\Make

		E-Able Power
1	112	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
Date : 05.08.2021



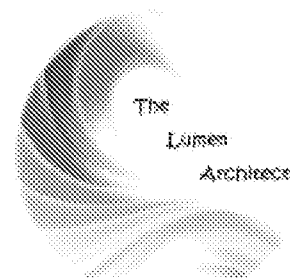
2.2 Summary, Exterior 1

2.2.16 Result overview, North Road 5 Part 1

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

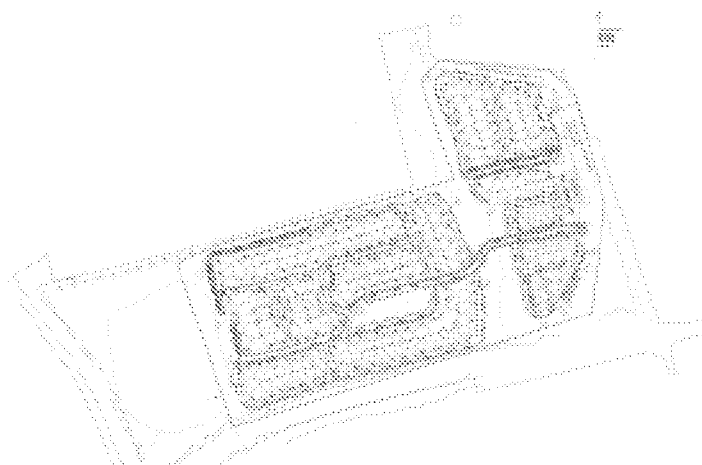


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021

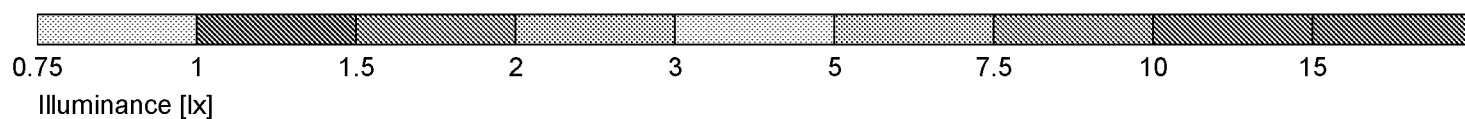


2.2 Summary, Exterior 1

2.2.17 Result overview, North Road 5 Part 2



185 285 385 485 585 685 785 885 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 of all lamps : 304508 lm
 Total power : 2409 W
 Total power per area (160644.92 m²) : 0.01 W/m²

Illuminance

Average illuminance : E_m : 6.5 lx
 Minimum illuminance : E_{min} : 1 lx
 Maximum illuminance : E_{max} : 15.1 lx
 Uniformity U_o : E_{min}/E_m : 1:6.75 (0.15)
 Diversity U_d : E_{min}/E_{max} : 1:15.8 (0.06)

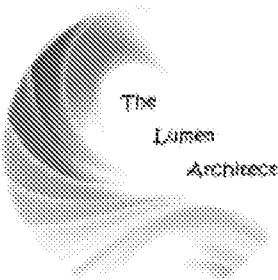
Type No.\Make

E-Able Power

1 112

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

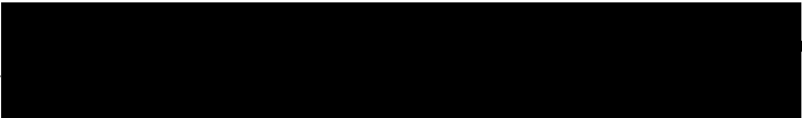
Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



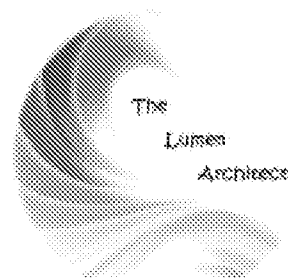
2.2 Summary, Exterior 1

2.2.17 Result overview, North Road 5 Part 2

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

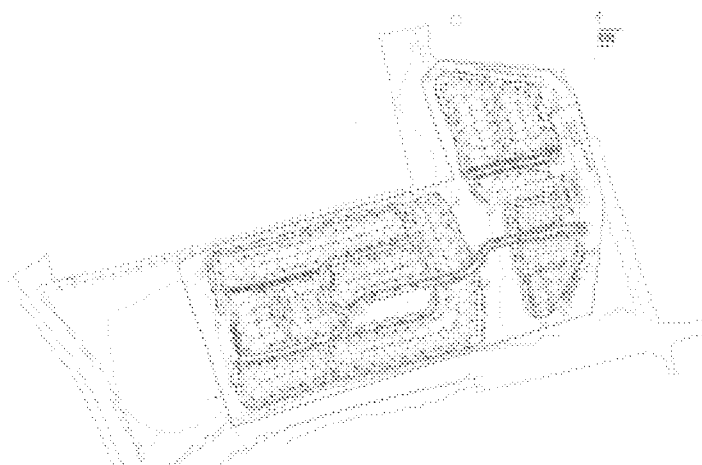


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



2.2 Summary, Exterior 1

2.2.18 Result overview, North Road 5 Part 3



185 285 385 485 585 685 785 885 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 of all lamps 304508 lm
 Total power 2409 W
 Total power per area (160644.92 m²) 0.01 W/m²

Illuminance

Average illuminance	Em	6.4 lx
Minimum illuminance	Emin	1 lx
Maximum illuminance	Emax	15 lx
Uniformity Uo	Emin/Em	1:6.38 (0.16)
Diversity Ud	Emin/Emax	1:14.9 (0.07)

Type No.\Make

E-Able Power

1	112	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
Date : 05.08.2021



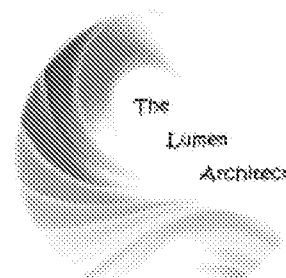
2.2 Summary, Exterior 1

2.2.18 Result overview, North Road 5 Part 3

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

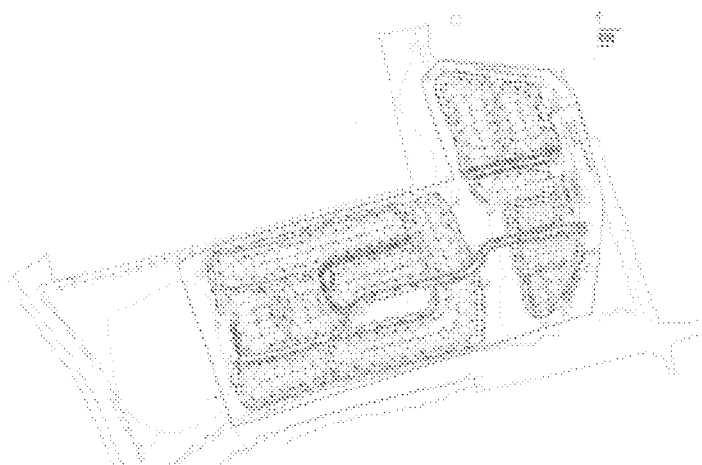


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021

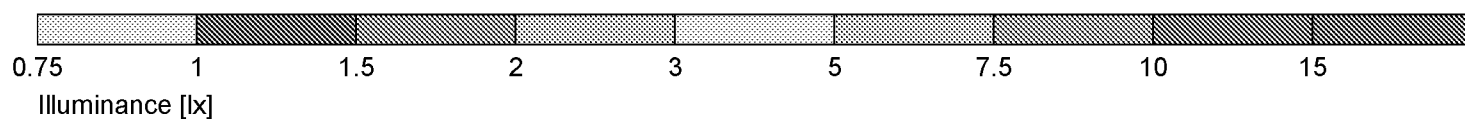


2.2 Summary, Exterior 1

2.2.19 Result overview, North Road 6



185 285 385 485 585 685 785 885 x [m]



General

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

Total luminous flux of all lamps : 304508 lm
 Total power : 2409 W
 Total power per area (160644.92 m²) : 0.01 W/m²

Illuminance

Average illuminance	Em	6.5 lx
Minimum illuminance	Emin	1 lx
Maximum illuminance	Emax	15.1 lx
Uniformity Uo	Emin/Em	1:6.71 (0.15)
Diversity Ud	Emin/Emax	1:15.7 (0.06)

Type No.\Make

E-Able Power

1	112	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
Date : 05.08.2021



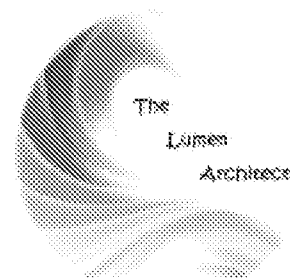
2.2 Summary, Exterior 1

2.2.19 Result overview, North Road 6

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

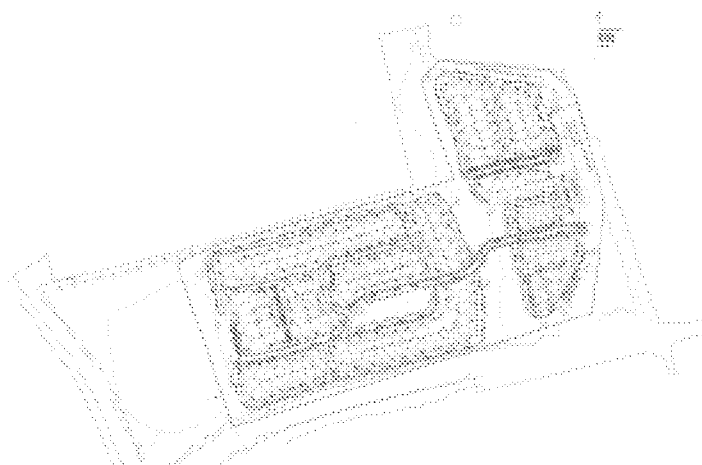


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



2.2 Summary, Exterior 1

2.2.20 Result overview, North Road 7



185 285 385 485 585 685 785 885 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 of all lamps 304508 lm
 Total power 2409 W
 Total power per area (160644.92 m²) 0.01 W/m²

Illuminance

Average illuminance	Em	7 lx
Minimum illuminance	Emin	1.3 lx
Maximum illuminance	Emax	14.8 lx
Uniformity Uo	Emin/Em	1:5.54 (0.18)
Diversity Ud	Emin/Emax	1:11.7 (0.09)

Type No.\Make

E-Able Power

1	112	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
Date : 05.08.2021



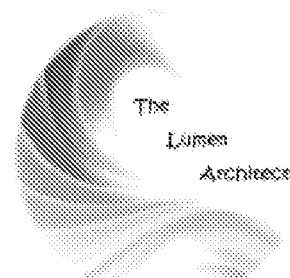
2.2 Summary, Exterior 1

2.2.20 Result overview, North Road 7

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

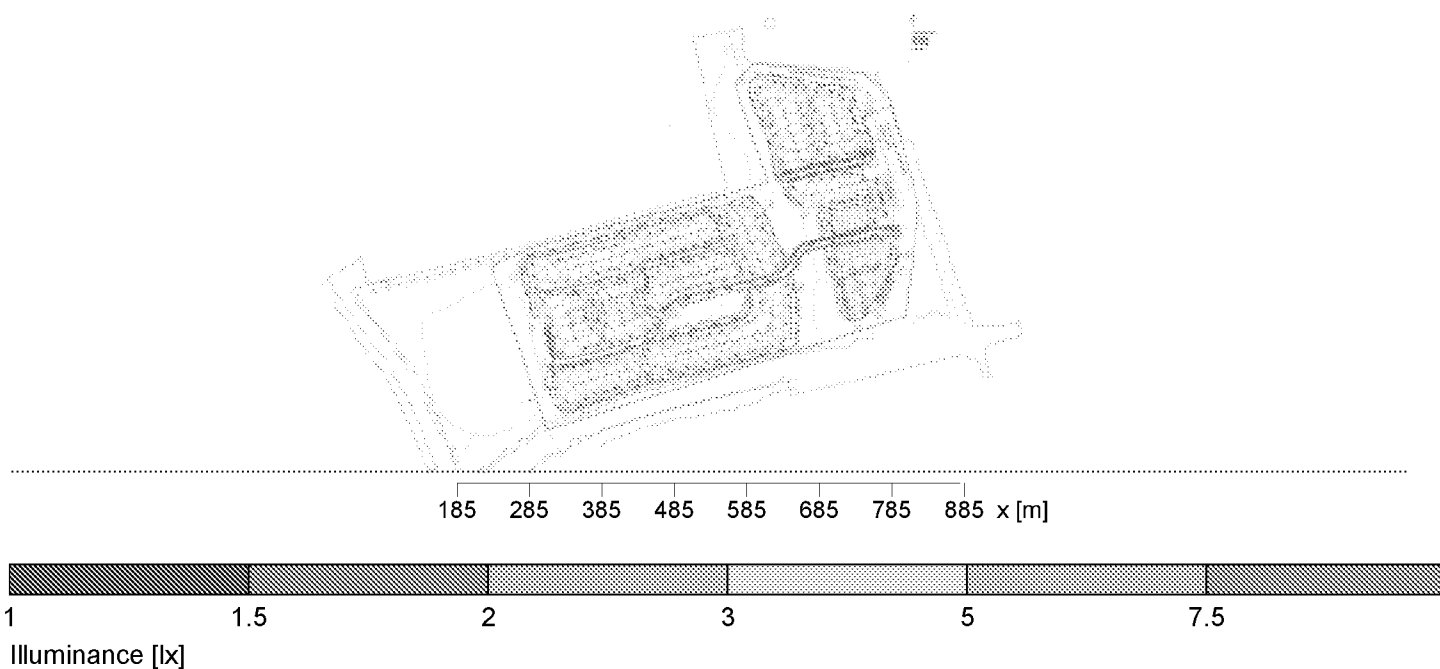


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



2.2 Summary, Exterior 1

2.2.21 Result overview, Main Road North Pavement Part 1



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 of all lamps	304508 lm
Total power	2409 W
Total power per area (160644.92 m ²)	0.01 W/m ²

Illuminance

Average illuminance	Em	2.99 lx
Minimum illuminance	Emin	1.11 lx
Maximum illuminance	Emax	8.34 lx
Uniformity Uo	Emin/Em	1:2.68 (0.37)
Diversity Ud	Emin/Emax	1:7.49 (0.13)

Type No.\Make

1	112	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
Date : 05.08.2021



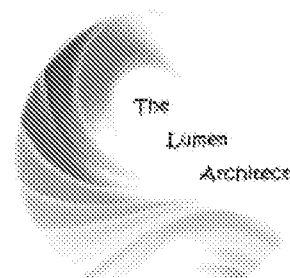
2.2 Summary, Exterior 1

2.2.21 Result overview, Main Road North Pavement Part 1

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

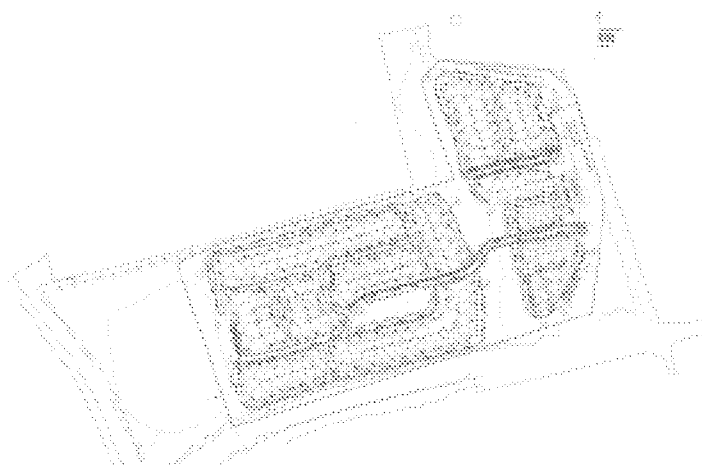


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021

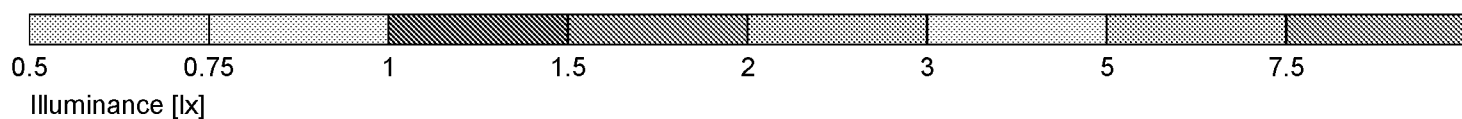


2.2 Summary, Exterior 1

2.2.22 Result overview, Main Road North Pavement Part 2



185 285 385 485 585 685 785 885 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 of all lamps : 304508 lm
 Total power : 2409 W
 Total power per area (160644.92 m²) : 0.01 W/m²

Illuminance

Average illuminance	Em	2.87 lx
Minimum illuminance	Emin	0.74 lx
Maximum illuminance	Emax	8.49 lx
Uniformity Uo	Emin/Em	1:3.86 (0.26)
Diversity Ud	Emin/Emax	1:11.4 (0.09)

Type No.\Make

		E-Able Power
1	112	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
Date : 05.08.2021



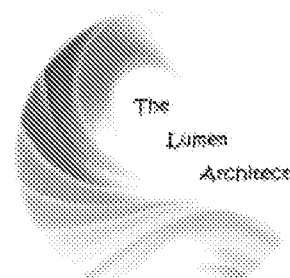
2.2 Summary, Exterior 1

2.2.22 Result overview, Main Road North Pavement Part 2

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

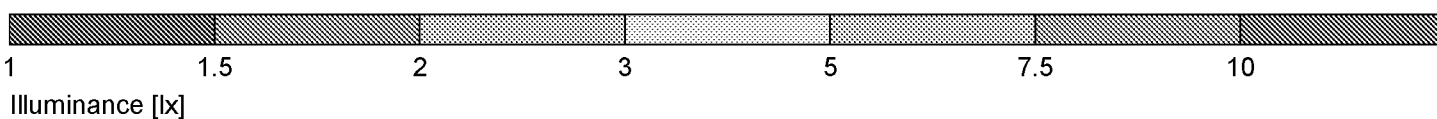
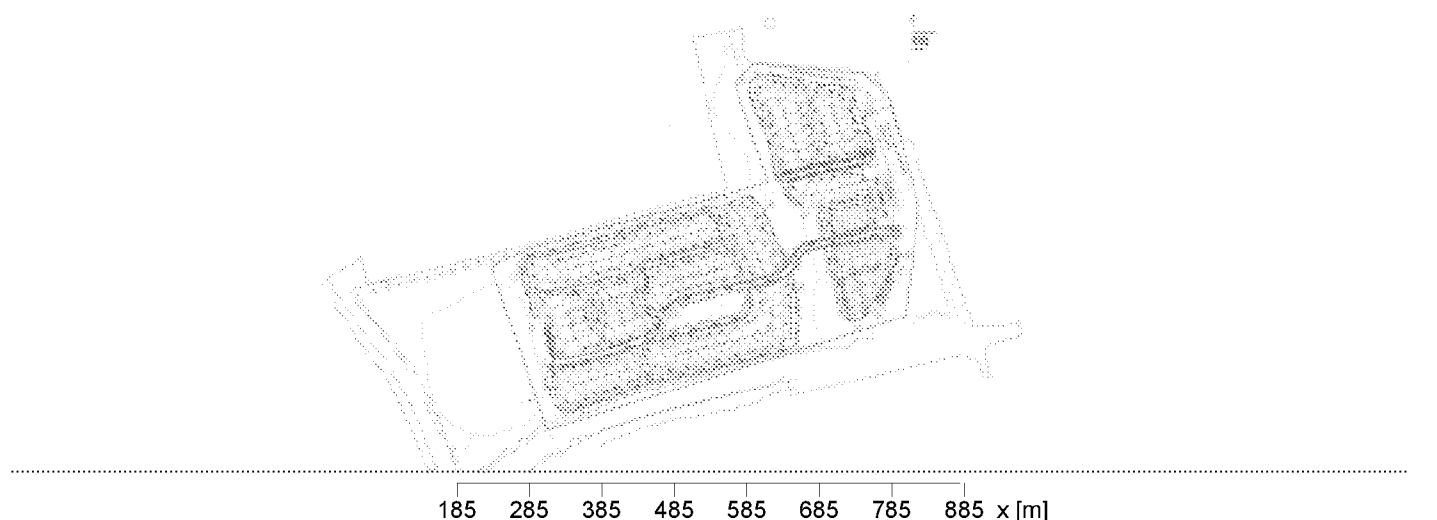


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



2.2 Summary, Exterior 1

2.2.23 Result overview, Main Road North Pavement Part 3



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 of all lamps	304508 lm
Total power	2409 W
Total power per area (160644.92 m²)	0.01 W/m²

Illuminance

Average illuminance	Em	3.3 lx
Minimum illuminance	Emin	1 lx
Maximum illuminance	Emax	14 lx
Uniformity Uo	Emin/Em	1:3.21 (0.31)
Diversity Ud	Emin/Emax	1:13.8 (0.07)

Type No.\Make

E-Able Power	
1	112
	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
Date : 05.08.2021



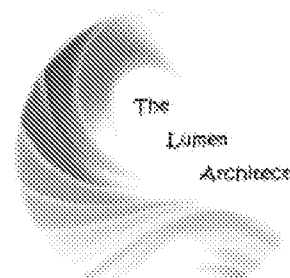
2.2 Summary, Exterior 1

2.2.23 Result overview, Main Road North Pavement Part 3

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

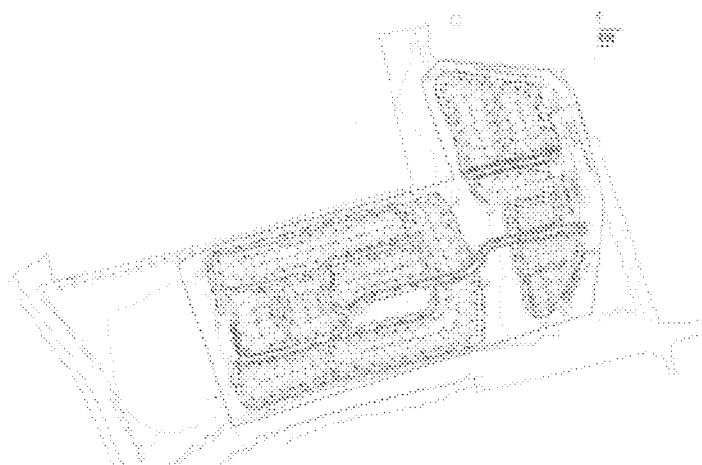


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021

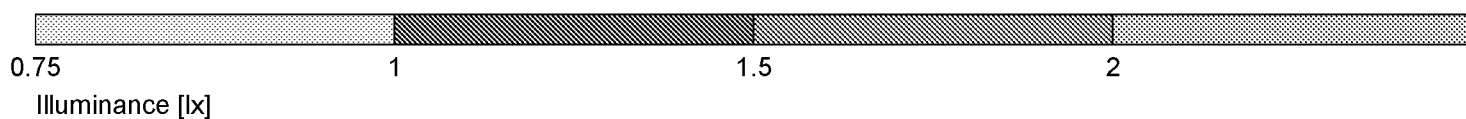


2.2 Summary, Exterior 1

2.2.24 Result overview, Main Road North Pavement Part 4



185 285 385 485 585 685 785 885 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 of all lamps : 304508 lm
 Total power : 2409 W
 Total power per area (160644.92 m²) : 0.01 W/m²

Illuminance

Average illuminance	Em	1.67 lx
Minimum illuminance	Emin	0.98 lx
Maximum illuminance	Emax	2.45 lx
Uniformity Uo	Emin/Em	1:1.71 (0.59)
Diversity Ud	Emin/Emax	1:2.5 (0.4)

Type No.\Make

		E-Able Power
1	112	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
Date : 05.08.2021



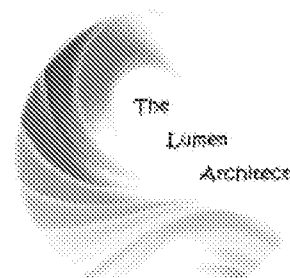
2.2 Summary, Exterior 1

2.2.24 Result overview, Main Road North Pavement Part 4

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

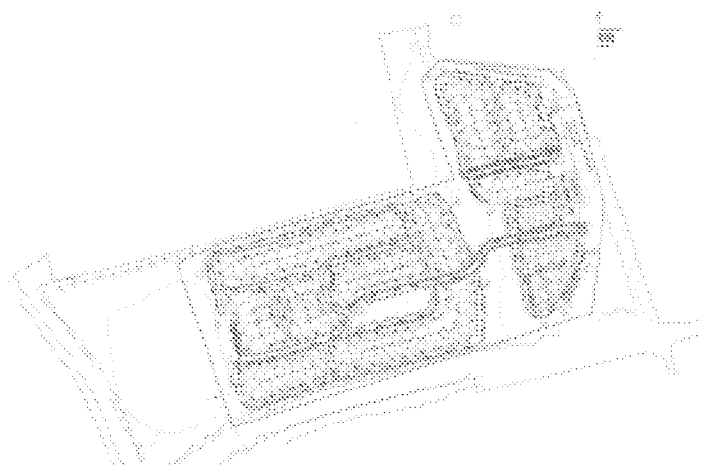


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021

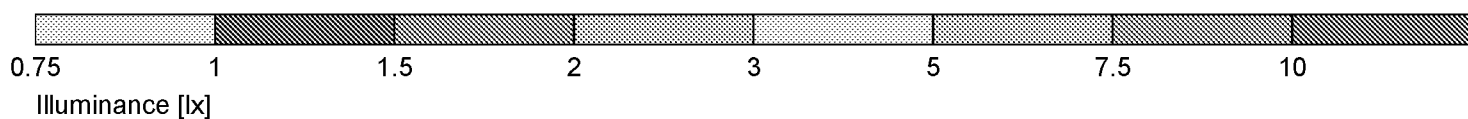


2.2 Summary, Exterior 1

2.2.25 Result overview, North Road 3 Pavement



185 285 385 485 585 685 785 885 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 of all lamps : 304508 lm
 Total power : 2409 W
 Total power per area (160644.92 m²) : 0.01 W/m²

Illuminance

Average illuminance	Em	4.7 lx
Minimum illuminance	Emin	0.9 lx
Maximum illuminance	Emax	14.2 lx
Uniformity Uo	Emin/Em	1:5.32 (0.19)
Diversity Ud	Emin/Emax	1:15.9 (0.06)

Type No.\Make

		E-Able Power
1	112	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
Date : 05.08.2021



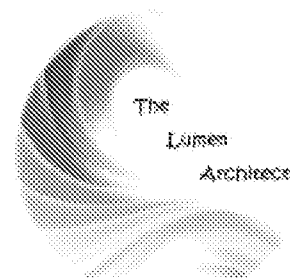
2.2 Summary, Exterior 1

2.2.25 Result overview, North Road 3 Pavement

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

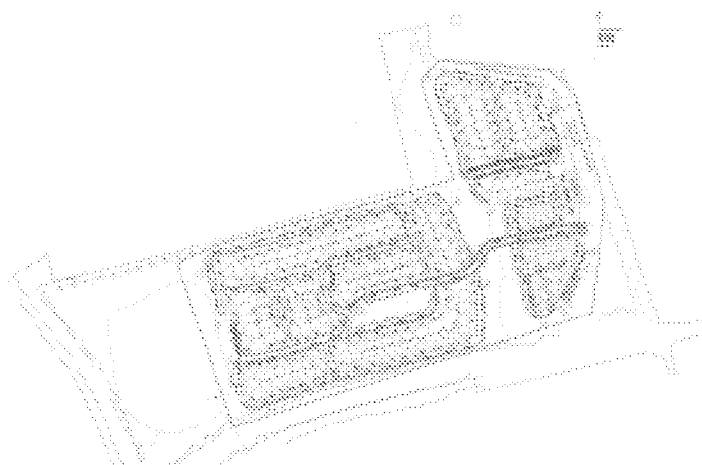


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021

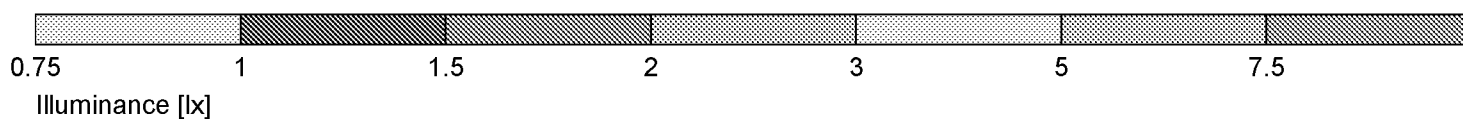


2.2 Summary, Exterior 1

2.2.26 Result overview, North Road 3 North Pavement



185 285 385 485 585 685 785 885 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 of all lamps : 304508 lm
 Total power : 2409 W
 Total power per area (160644.92 m²) : 0.01 W/m²

Illuminance

Average illuminance	Em	3.88 lx
Minimum illuminance	Emin	0.97 lx
Maximum illuminance	Emax	8.31 lx
Uniformity Uo	Emin/Em	1:3.99 (0.25)
Diversity Ud	Emin/Emax	1:8.56 (0.12)

Type No.\Make

E-Able Power

1	112	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
Date : 05.08.2021



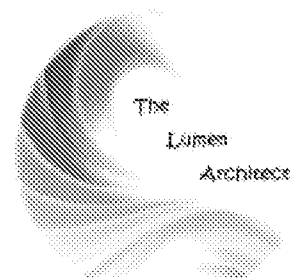
2.2 Summary, Exterior 1

2.2.26 Result overview, North Road 3 North Pavement

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

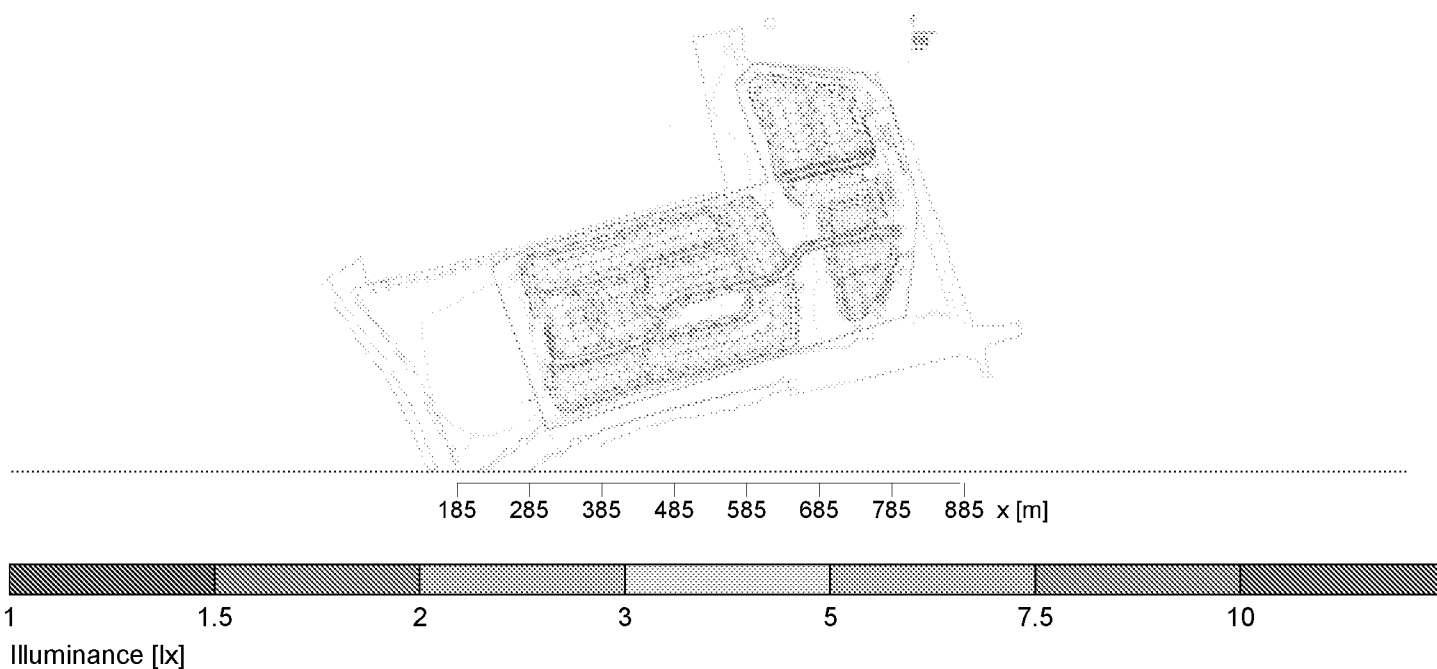


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



2.2 Summary, Exterior 1

2.2.27 Result overview, North Road 3 South Pavement



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 of all lamps	304508 lm
Total power	2409 W
Total power per area (160644.92 m ²)	0.01 W/m ²

Illuminance

Average illuminance	Em	5.2 lx
Minimum illuminance	Emin	1.2 lx
Maximum illuminance	Emax	13.3 lx
Uniformity Uo	Emin/Em	1:4.55 (0.22)
Diversity Ud	Emin/Emax	1:11.6 (0.09)

Type No.\Make

E-Able Power	
1	112
	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
Date : 05.08.2021



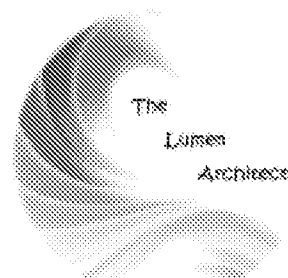
2.2 Summary, Exterior 1

2.2.27 Result overview, North Road 3 South Pavement

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

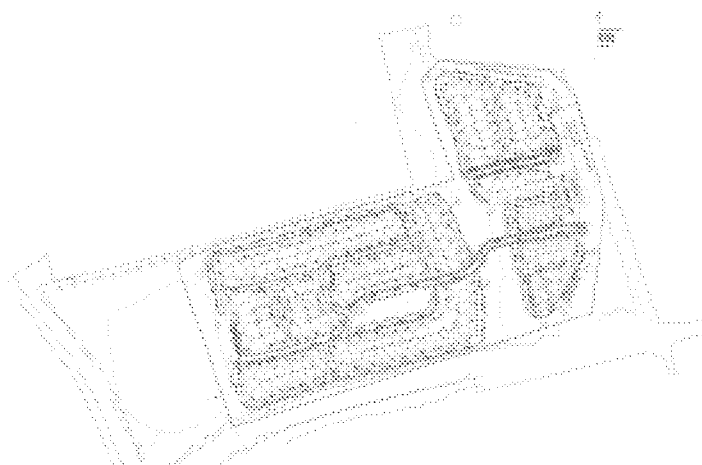


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



2.2 Summary, Exterior 1

2.2.28 Result overview, North Road 5 Pavement Part 1



185 285 385 485 585 685 785 885 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 of all lamps 304508 lm
 Total power 2409 W
 Total power per area (160644.92 m²) 0.01 W/m²

Illuminance

Average illuminance	Em	4 lx
Minimum illuminance	Emin	1.4 lx
Maximum illuminance	Emax	11.1 lx
Uniformity Uo	Emin/Em	1:2.85 (0.35)
Diversity Ud	Emin/Emax	1:7.84 (0.13)

Type No.\Make

		E-Able Power
1	112	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
Date : 05.08.2021



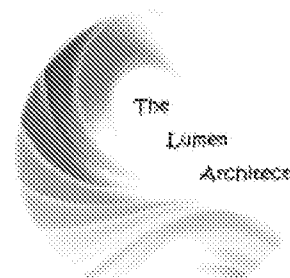
2.2 Summary, Exterior 1

2.2.28 Result overview, North Road 5 Pavement Part 1

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

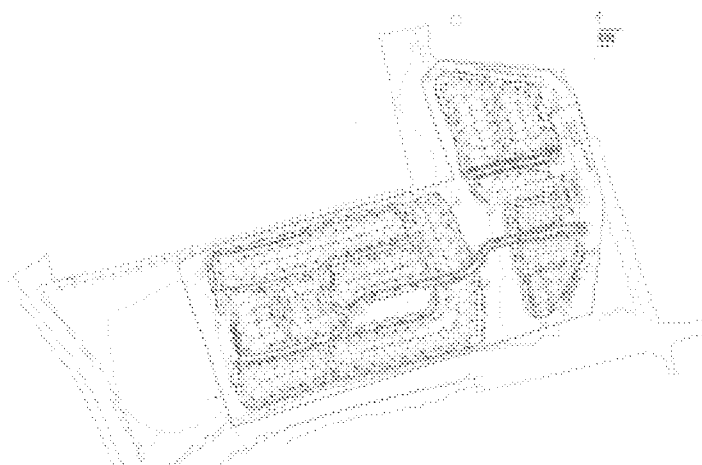


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021

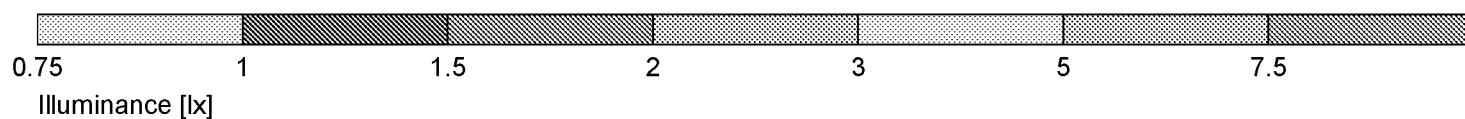


2.2 Summary, Exterior 1

2.2.29 Result overview, North Road 5 Pavement Part 2



185 285 385 485 585 685 785 885 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 of all lamps	304508 lm
Total power	2409 W
Total power per area (160644.92 m²)	0.01 W/m²

Illuminance

Average illuminance	Em	3.15 lx
Minimum illuminance	Emin	0.77 lx
Maximum illuminance	Emax	7.51 lx
Uniformity Uo	Emin/Em	1:4.1 (0.24)
Diversity Ud	Emin/Emax	1:9.78 (0.1)

Type No.\Make

E-Able Power

1	112	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
Date : 05.08.2021



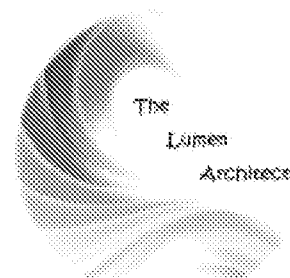
2.2 Summary, Exterior 1

2.2.29 Result overview, North Road 5 Pavement Part 2

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

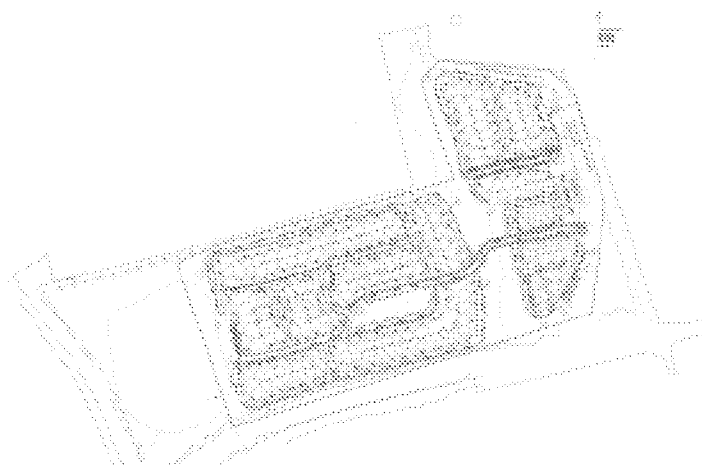


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021

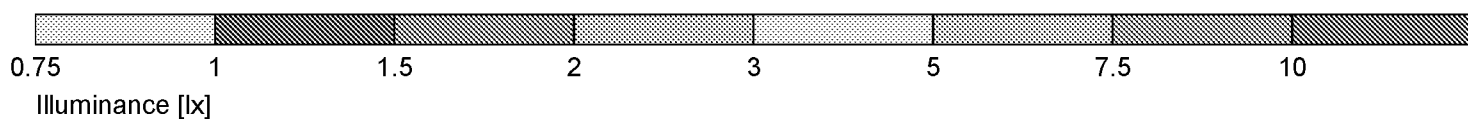


2.2 Summary, Exterior 1

2.2.30 Result overview, North Road 5 Pavement Part 3



185 285 385 485 585 685 785 885 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 of all lamps : 304508 lm
 Total power : 2409 W
 Total power per area (160644.92 m²) : 0.01 W/m²

Illuminance

Average illuminance	Em	4.8 lx
Minimum illuminance	Emin	0.8 lx
Maximum illuminance	Emax	15 lx
Uniformity Uo	Emin/Em	1:5.97 (0.17)
Diversity Ud	Emin/Emax	1:18.8 (0.05)

Type No.\Make

E-Able Power

1	112	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
Date : 05.08.2021



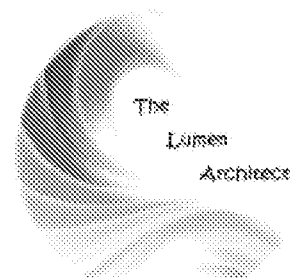
2.2 Summary, Exterior 1

2.2.30 Result overview, North Road 5 Pavement Part 3

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

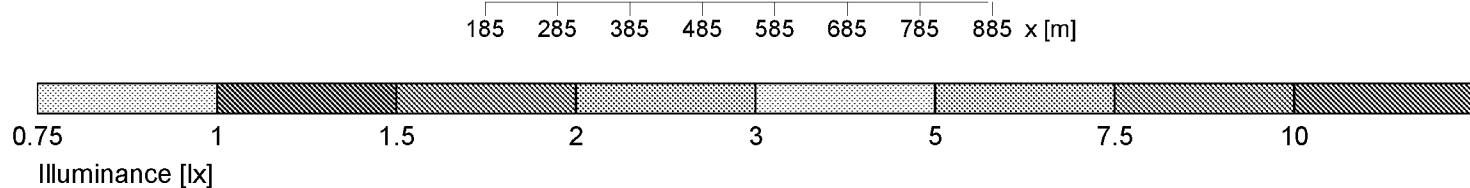
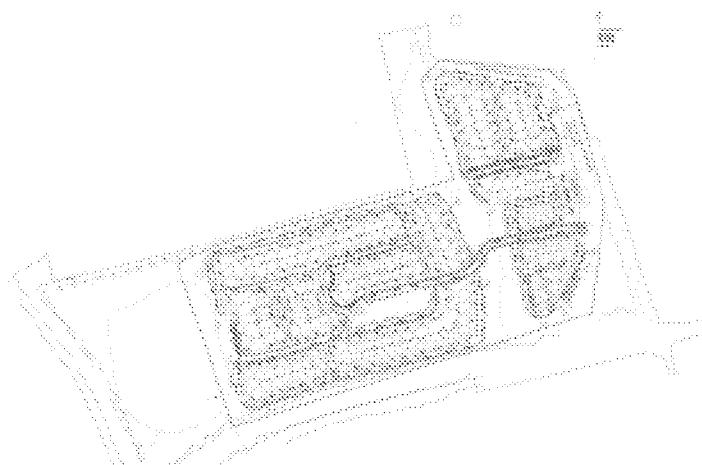


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



2.2 Summary, Exterior 1

2.2.31 Result overview, North Road 6 South Pavement



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 of all lamps : 304508 lm
 Total power : 2409 W
 Total power per area (160644.92 m²) : 0.01 W/m²

Illuminance

Average illuminance : Em : 4.8 lx
 Minimum illuminance : Emin : 0.9 lx
 Maximum illuminance : Emax : 14 lx
 Uniformity Uo : Emin/Em : 1:5.48 (0.18)
 Diversity Ud : Emin/Emax : 1:16 (0.06)

Type No.\Make

E-Able Power
 1 112
 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
Date : 05.08.2021



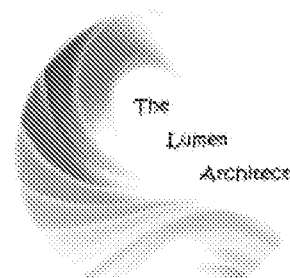
2.2 Summary, Exterior 1

2.2.31 Result overview, North Road 6 South Pavement

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

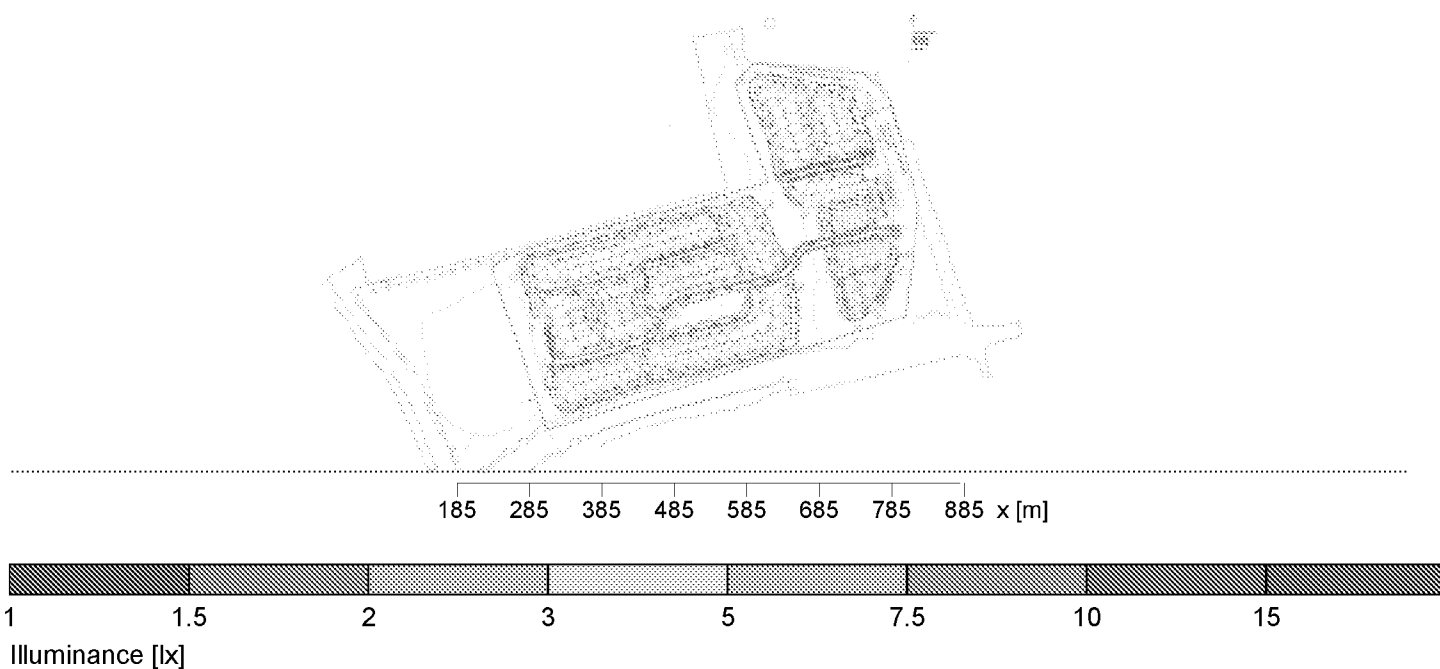


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



2.2 Summary, Exterior 1

2.2.32 Result overview, North Road 6 North Pavement



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 of all lamps	304508 lm
Total power	2409 W
Total power per area (160644.92 m ²)	0.01 W/m ²

Illuminance

Average illuminance	Em	5.6 lx
Minimum illuminance	Emin	1.1 lx
Maximum illuminance	Emax	15 lx
Uniformity Uo	Emin/Em	1:4.87 (0.21)
Diversity Ud	Emin/Emax	1:13.1 (0.08)

Type No.\Make

E-Able Power	
1 112	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
Date : 05.08.2021



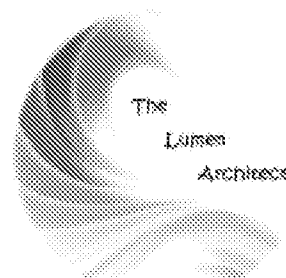
2.2 Summary, Exterior 1

2.2.32 Result overview, North Road 6 North Pavement

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

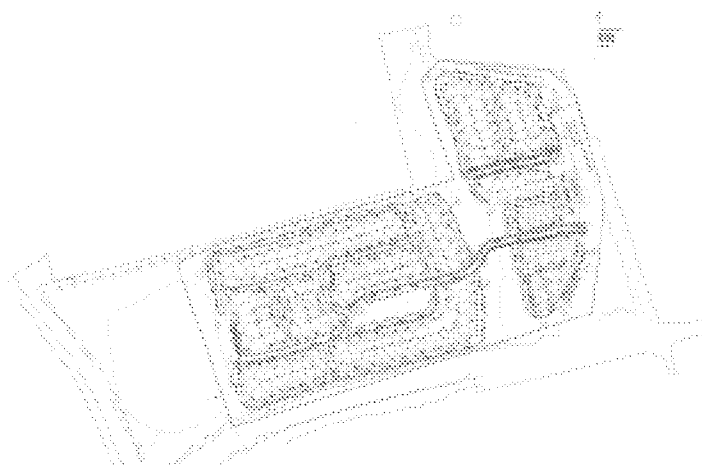


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021

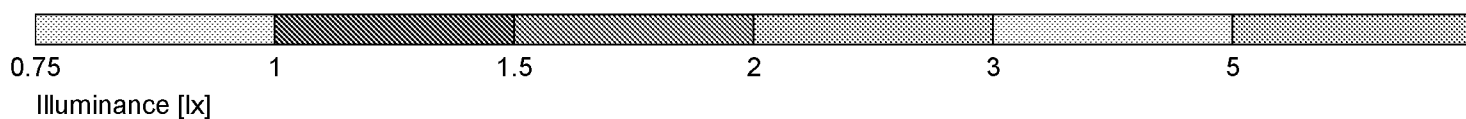


2.2 Summary, Exterior 1

2.2.33 Result overview, Main Road South Pavement Part 1



185 285 385 485 585 685 785 885 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 of all lamps : 304508 lm
 Total power : 2409 W
 Total power per area (160644.92 m²) : 0.01 W/m²

Illuminance

Average illuminance	Em	2.17 lx
Minimum illuminance	Emin	0.95 lx
Maximum illuminance	Emax	6.84 lx
Uniformity Uo	Emin/Em	1:2.28 (0.44)
Diversity Ud	Emin/Emax	1:7.19 (0.14)

Type No.\Make

E-Able Power

1	112	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
Date : 05.08.2021



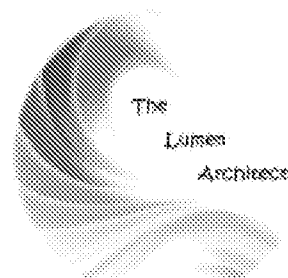
2.2 Summary, Exterior 1

2.2.33 Result overview, Main Road South Pavement Part 1

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

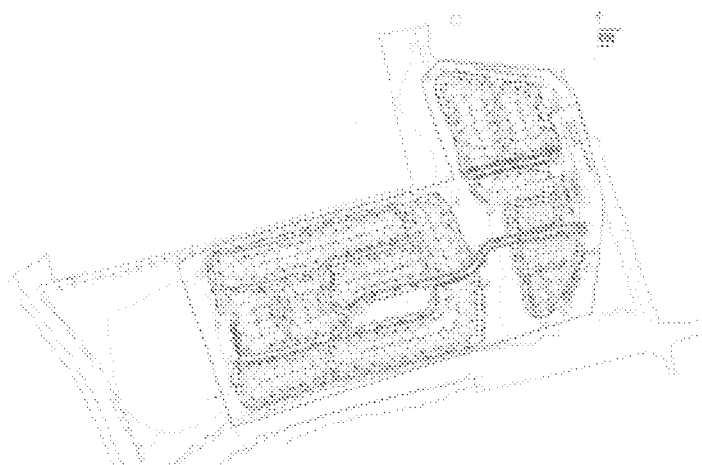


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



2.2 Summary, Exterior 1

2.2.34 Result overview, Main Road South Pavement Part 2



185 285 385 485 585 685 785 885 x [m]



1 1.5 2 3 5

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 of all lamps 304508 lm
 Total power 2409 W
 Total power per area (160644.92 m²) 0.01 W/m²

Illuminance

Average illuminance	Em	2.29 lx
Minimum illuminance	Emin	1.15 lx
Maximum illuminance	Emax	6.11 lx
Uniformity Uo	Emin/Em	1:1.99 (0.5)
Diversity Ud	Emin/Emax	1:5.3 (0.19)

Type No.\Make

E-Able Power

1	112	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
Date : 05.08.2021



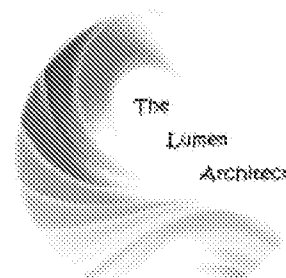
2.2 Summary, Exterior 1

2.2.34 Result overview, Main Road South Pavement Part 2

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

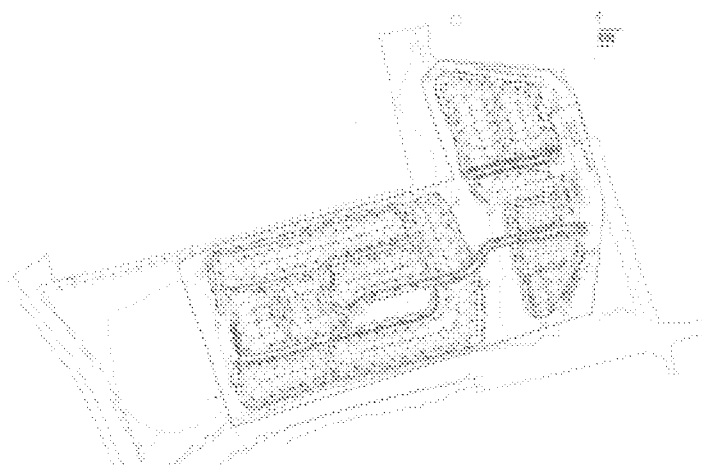


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021

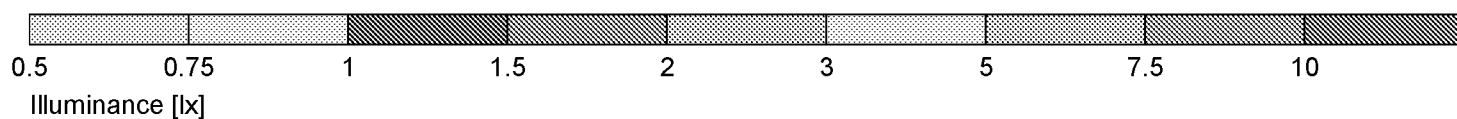


2.2 Summary, Exterior 1

2.2.35 Result overview, Main Road South Pavement Part 3



185 285 385 485 585 685 785 885 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 of all lamps	304508 lm
Total power	2409 W
Total power per area (160644.92 m ²)	0.01 W/m ²

Illuminance

Average illuminance	Em	3.6 lx
Minimum illuminance	Emin	0.7 lx
Maximum illuminance	Emax	11.8 lx
Uniformity Uo	Emin/Em	1:5.07 (0.2)
Diversity Ud	Emin/Emax	1:16.7 (0.06)

Type No.\Make

E-Able Power	
1	112
	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
Date : 05.08.2021



2.2 Summary, Exterior 1

2.2.35 Result overview, Main Road South Pavement Part 3

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

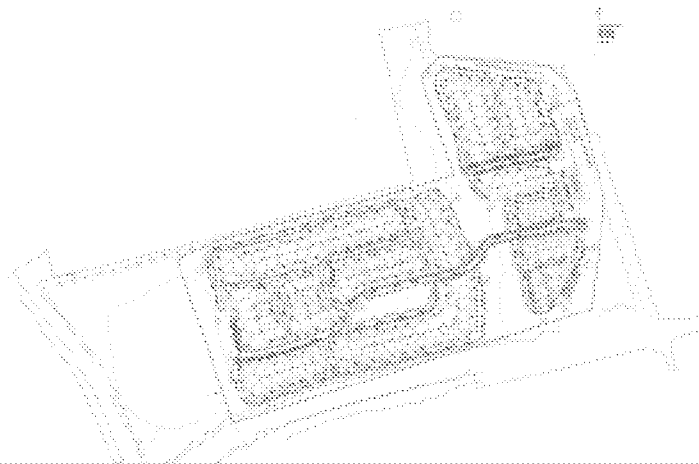


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021

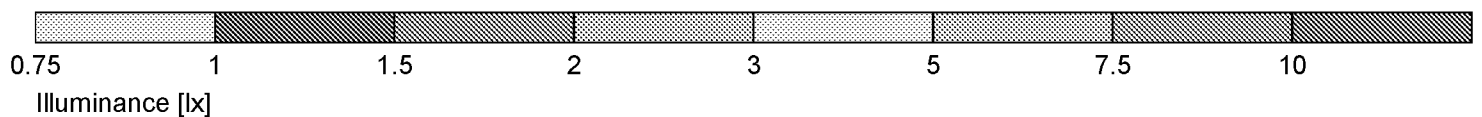


2.2 Summary, Exterior 1

2.2.36 Result overview, Main Road South Pavement Part 4



185 285 385 485 585 685 785 885 x [m]



General

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

Total luminous flux of all lamps : 304508 lm
 Total power : 2409 W
 Total power per area (160644.92 m²) : 0.01 W/m²

Illuminance

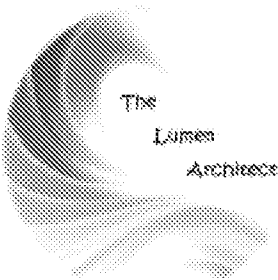
Average illuminance	Em	5.3 lx
Minimum illuminance	Emin	1 lx
Maximum illuminance	Emax	14 lx
Uniformity Uo	Emin/Em	1:5.47 (0.18)
Diversity Ud	Emin/Emax	1:14.4 (0.07)

Type No.\Make

E-Able Power

1	112	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
Date : 05.08.2021



2.2 Summary, Exterior 1

2.2.36 Result overview, Main Road South Pavement Part 4

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

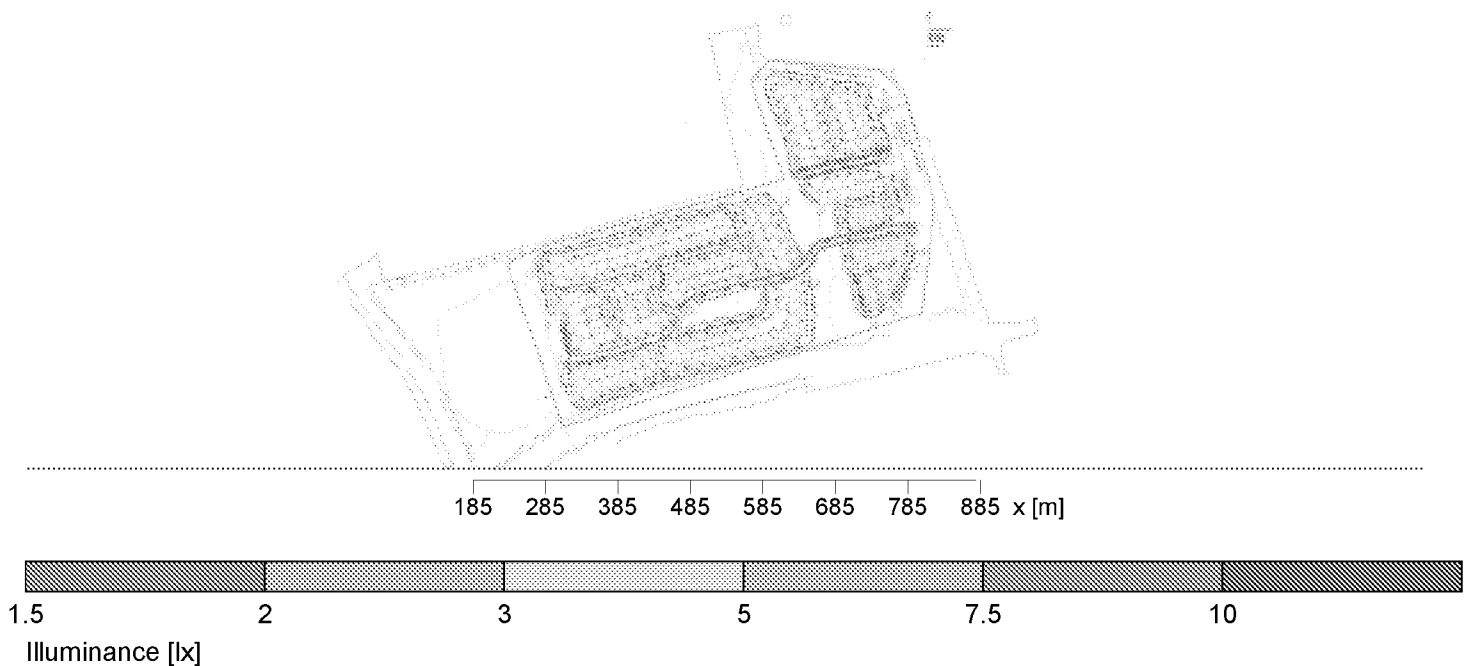


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



2.2 Summary, Exterior 1

2.2.37 Result overview, South Road 1 Pavement



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 of all lamps	304508 lm
Total power	2409 W
Total power per area (160644.92 m²)	0.01 W/m²

Illuminance

Average illuminance	Em	6.6 lx
Minimum illuminance	Emin	1.5 lx
Maximum illuminance	Emax	11.6 lx
Uniformity Uo	Emin/Em	1:4.38 (0.23)
Diversity Ud	Emin/Emax	1:7.73 (0.13)

Type No.\Make

1	112	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
Date : 05.08.2021



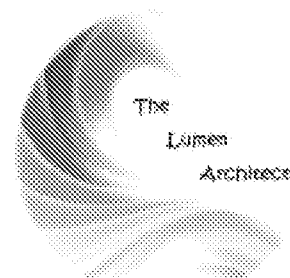
2.2 Summary, Exterior 1

2.2.37 Result overview, South Road 1 Pavement

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

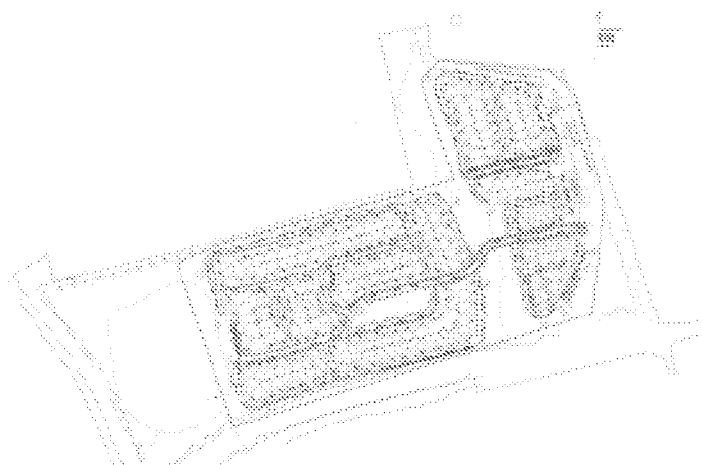


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



2.2 Summary, Exterior 1

2.2.38 Result overview, South Road 2 Pavement



185 285 385 485 585 685 785 885 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 of all lamps	304508 lm
Total power	2409 W
Total power per area (160644.92 m ²)	0.01 W/m ²

Illuminance

Average illuminance	Em	6.3 lx
Minimum illuminance	Emin	1.1 lx
Maximum illuminance	Emax	14.7 lx
Uniformity Uo	Emin/Em	1:5.72 (0.17)
Diversity Ud	Emin/Emax	1:13.3 (0.08)

Type No.\Make

1	112	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
Date : 05.08.2021



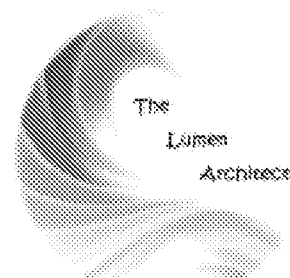
2.2 Summary, Exterior 1

2.2.38 Result overview, South Road 2 Pavement

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

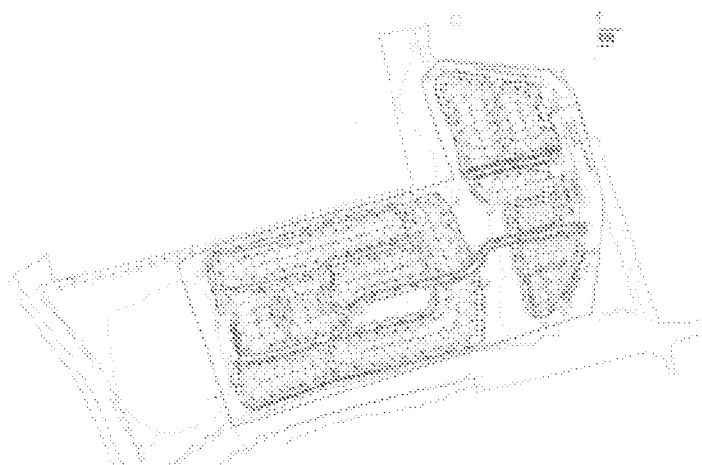


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



2.2 Summary, Exterior 1

2.2.39 Result overview, South Road 4 Pavement



185 285 385 485 585 685 785 885 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 of all lamps 304508 lm
 Total power 2409 W
 Total power per area (160644.92 m²) 0.01 W/m²

Illuminance

Average illuminance	Em	7.3 lx
Minimum illuminance	Emin	1.3 lx
Maximum illuminance	Emax	15 lx
Uniformity Uo	Emin/Em	1:5.81 (0.17)
Diversity Ud	Emin/Emax	1:12 (0.08)

Type No.\Make

E-Able Power

1	112	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
Date : 05.08.2021



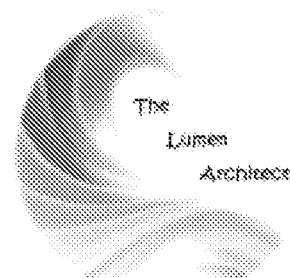
2.2 Summary, Exterior 1

2.2.39 Result overview, South Road 4 Pavement

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



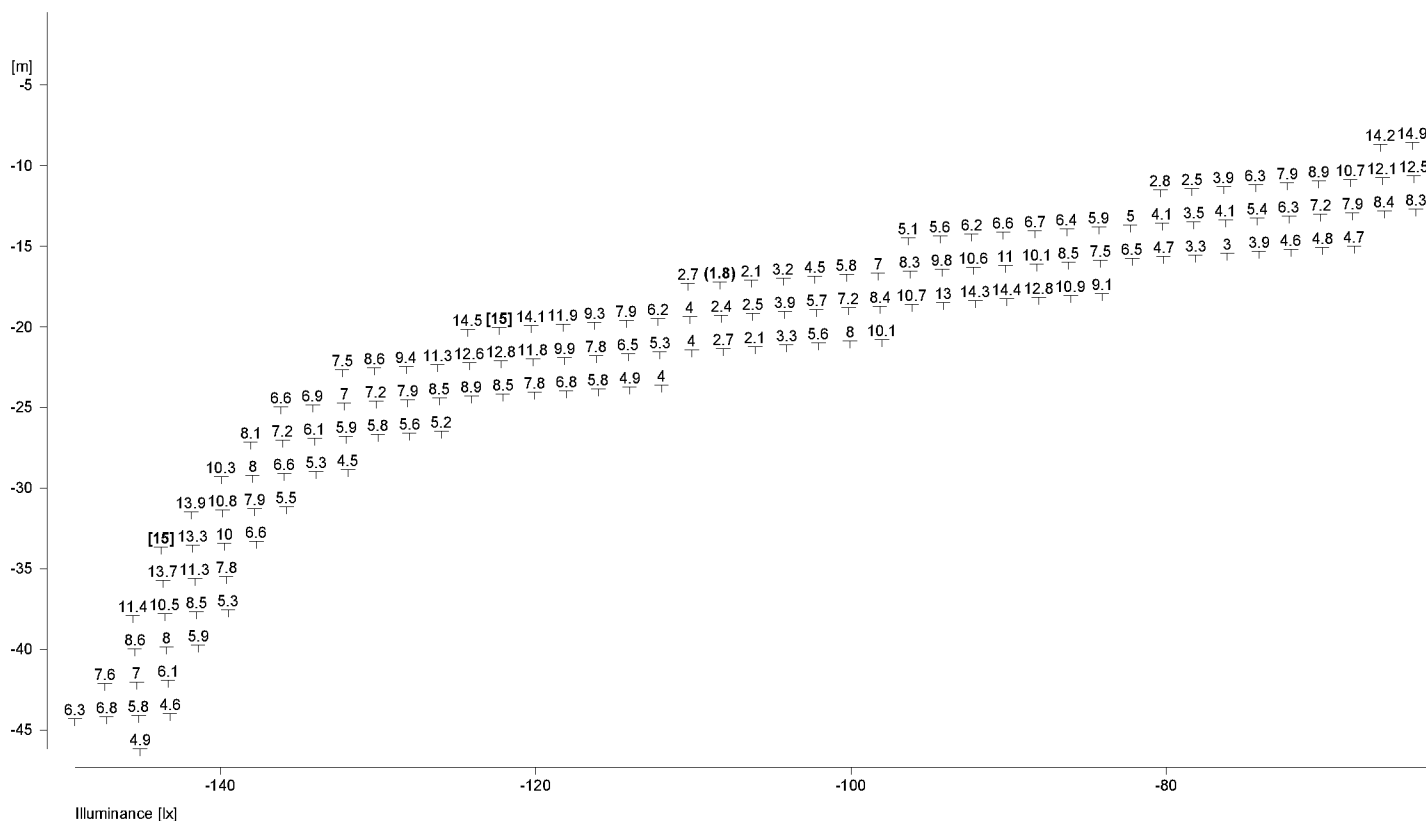
Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



2 Exterior 1

2.3 Calculation results, Exterior 1

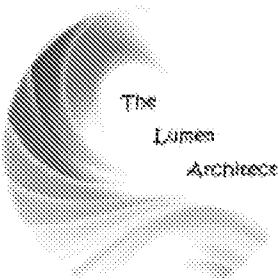
2.3.1 Table, Main Road Part 1 (E)



Part1

Height reference plane	: 0.01 m
Average illuminance	Em : 7.5 lx
Minimum illuminance	Emin : 1.8 lx
Maximum illuminance	Emax : 15 lx
Uniformity Uo	Emin/Em : 1 : 4.17 (0.24)
Diversity Ud	Emin/Emax : 1 : 8.38 (0.12)

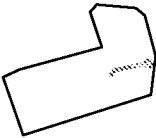
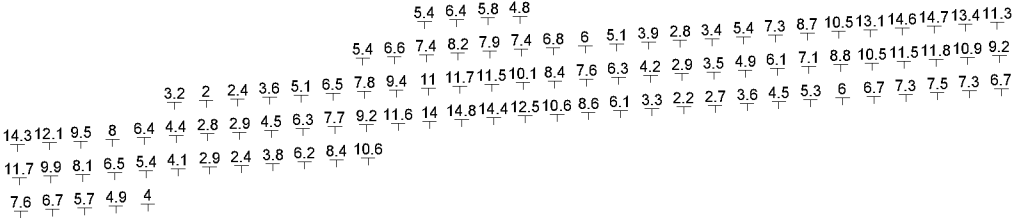
Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



2 Exterior 1

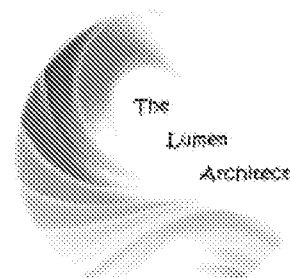
2.3 Calculation results, Exterior 1

2.3.1 Table, Main Road Part 1 (E)



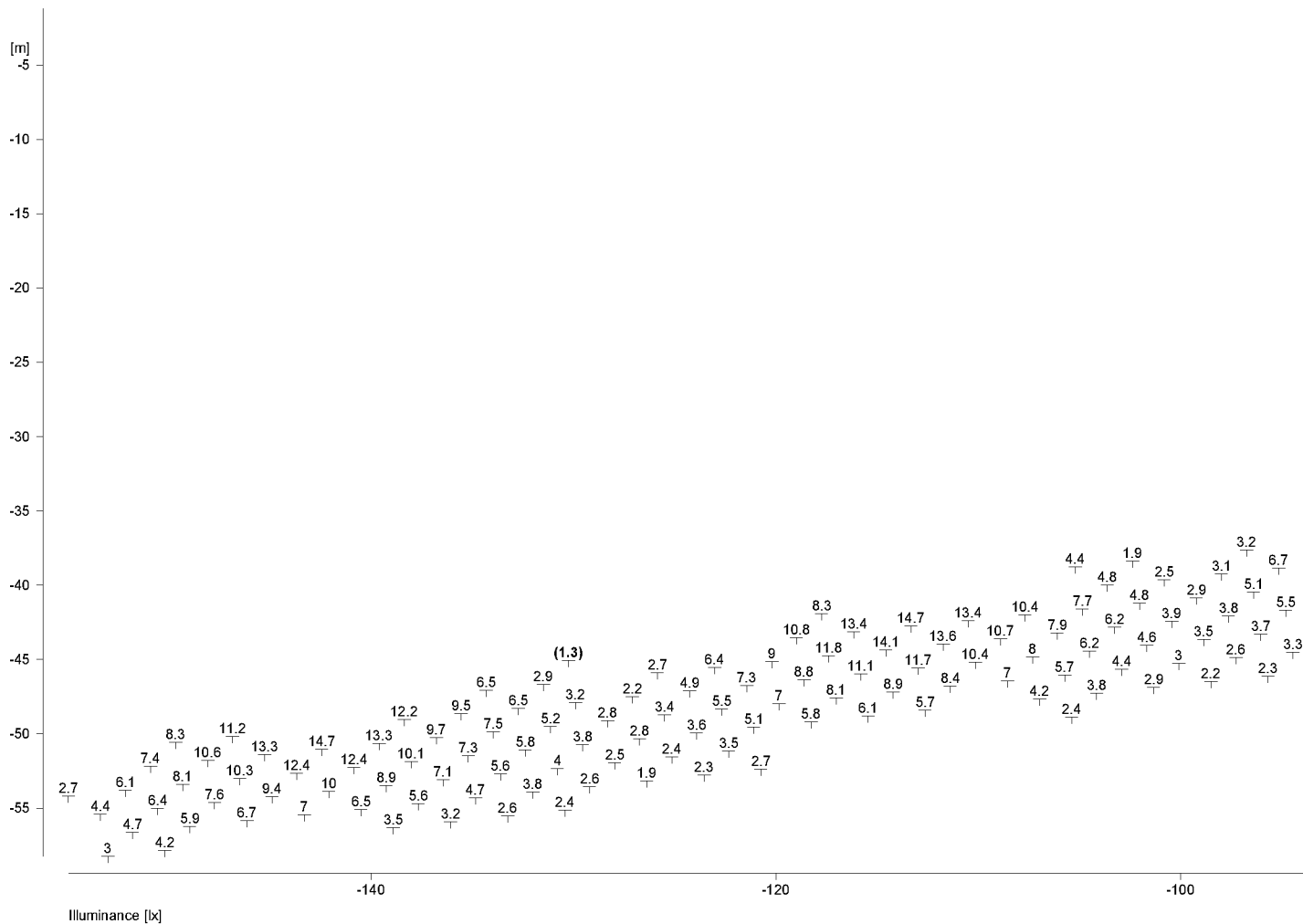
Part2

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



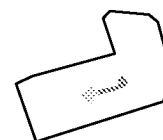
2.3 Calculation results, Exterior 1

2.3.2 Table, Main Road Part 2 (E)

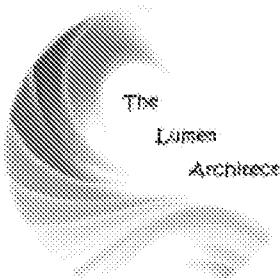


Part1

Height reference plane	: 0.01 m
Average illuminance	Em : 7.1 lx
Minimum illuminance	Emin : 1.3 lx
Maximum illuminance	Emax : 15.1 lx
Uniformity Uo	Emin/Em : 1 : 5.43 (0.18)
Diversity Ud	Emin/Emax : 1 : 11.56 (0.09)

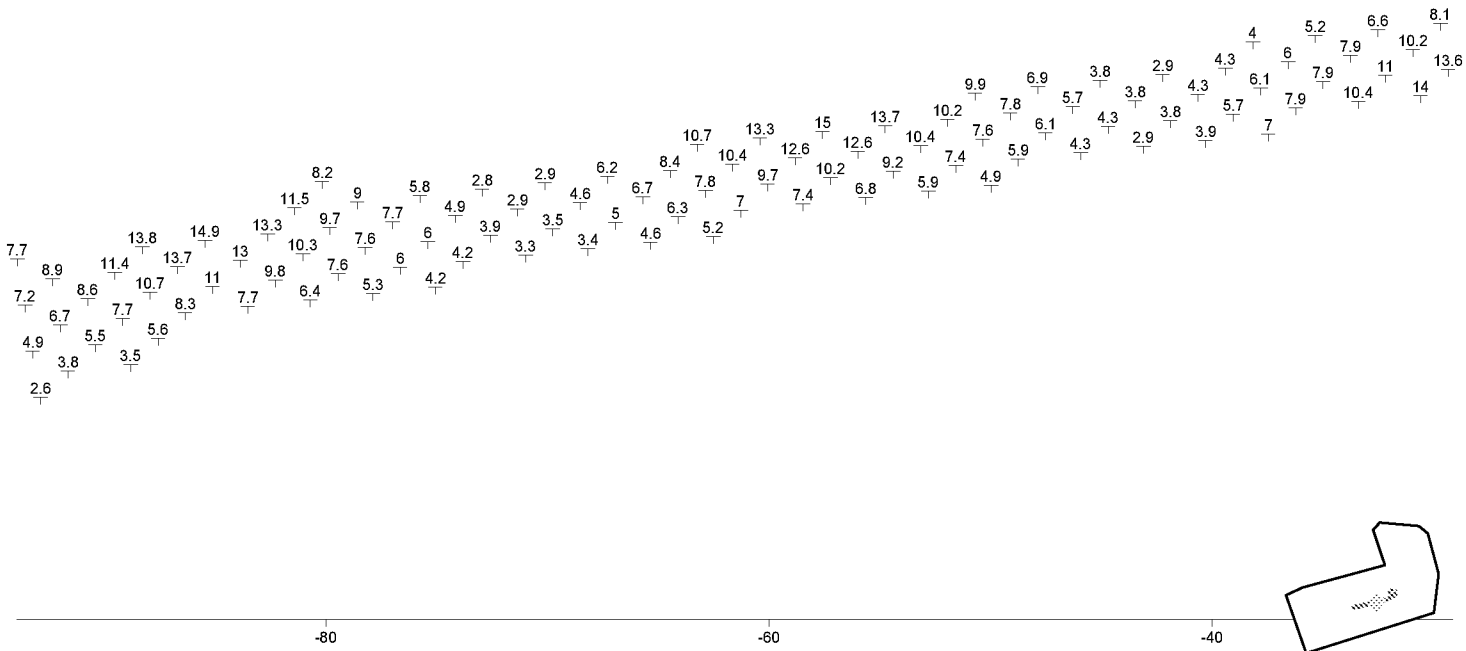


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



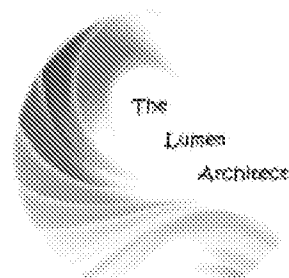
2.3 Calculation results, Exterior 1

2.3.2 Table, Main Road Part 2 (E)



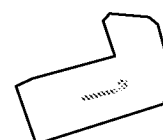
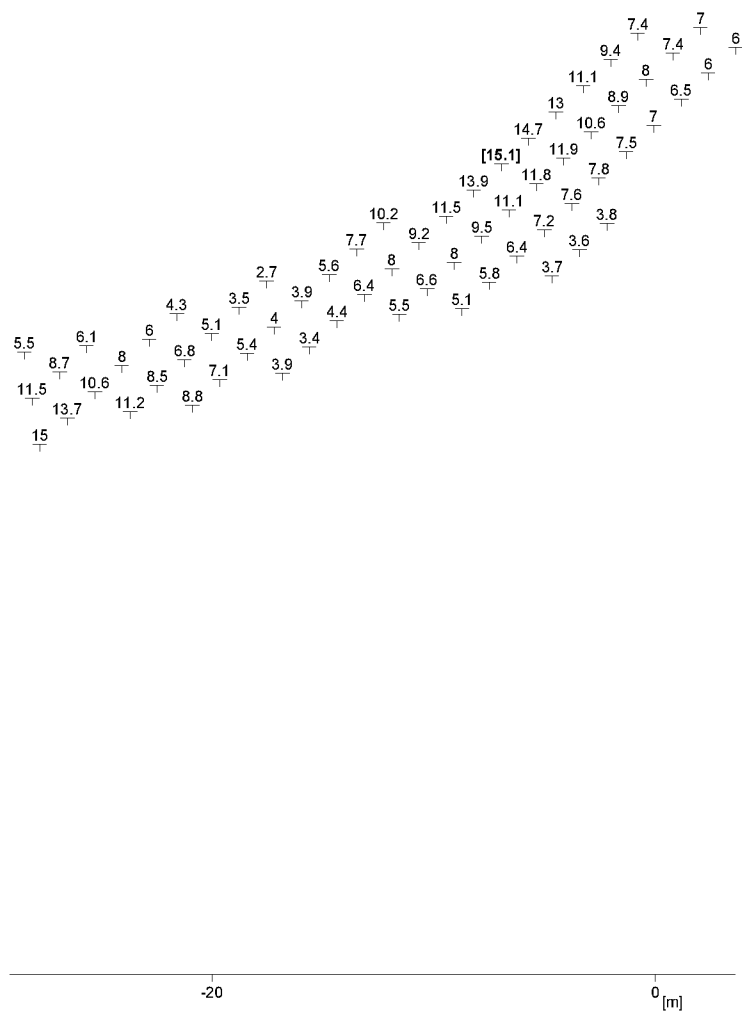
Part2

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021

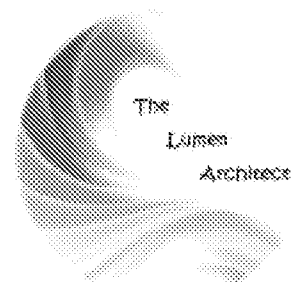


2.3 Calculation results, Exterior 1

2.3.2 Table, Main Road Part 2 (E)

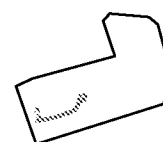
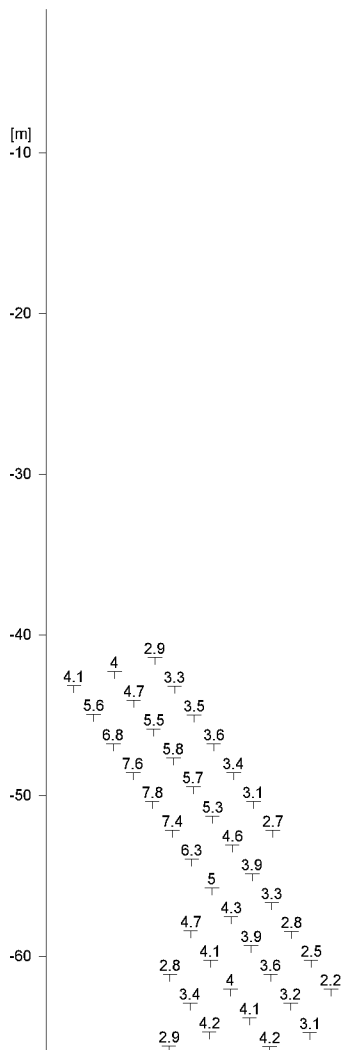


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



2.3 Calculation results, Exterior 1

2.3.3 Table, Main Road Part 3 (E)



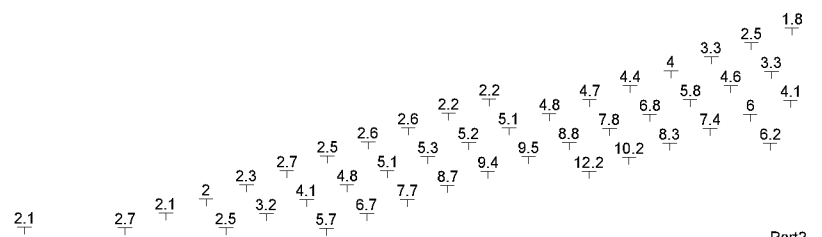
Part1

Height reference plane	: 0.01 m
Average illuminance	Em : 5.7 lx
Minimum illuminance	Emin : 1.5 lx
Maximum illuminance	Emax : 14.8 lx
Uniformity Uo	Emin/Em : 1 : 3.93 (0.25)
Diversity Ud	Emin/Emax : 1 : 10.14 (0.10)

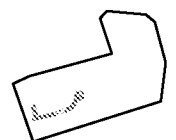


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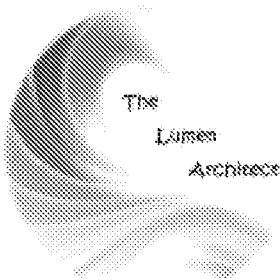
2.3.3 Table, Main Road Part 3 (E)



Part2

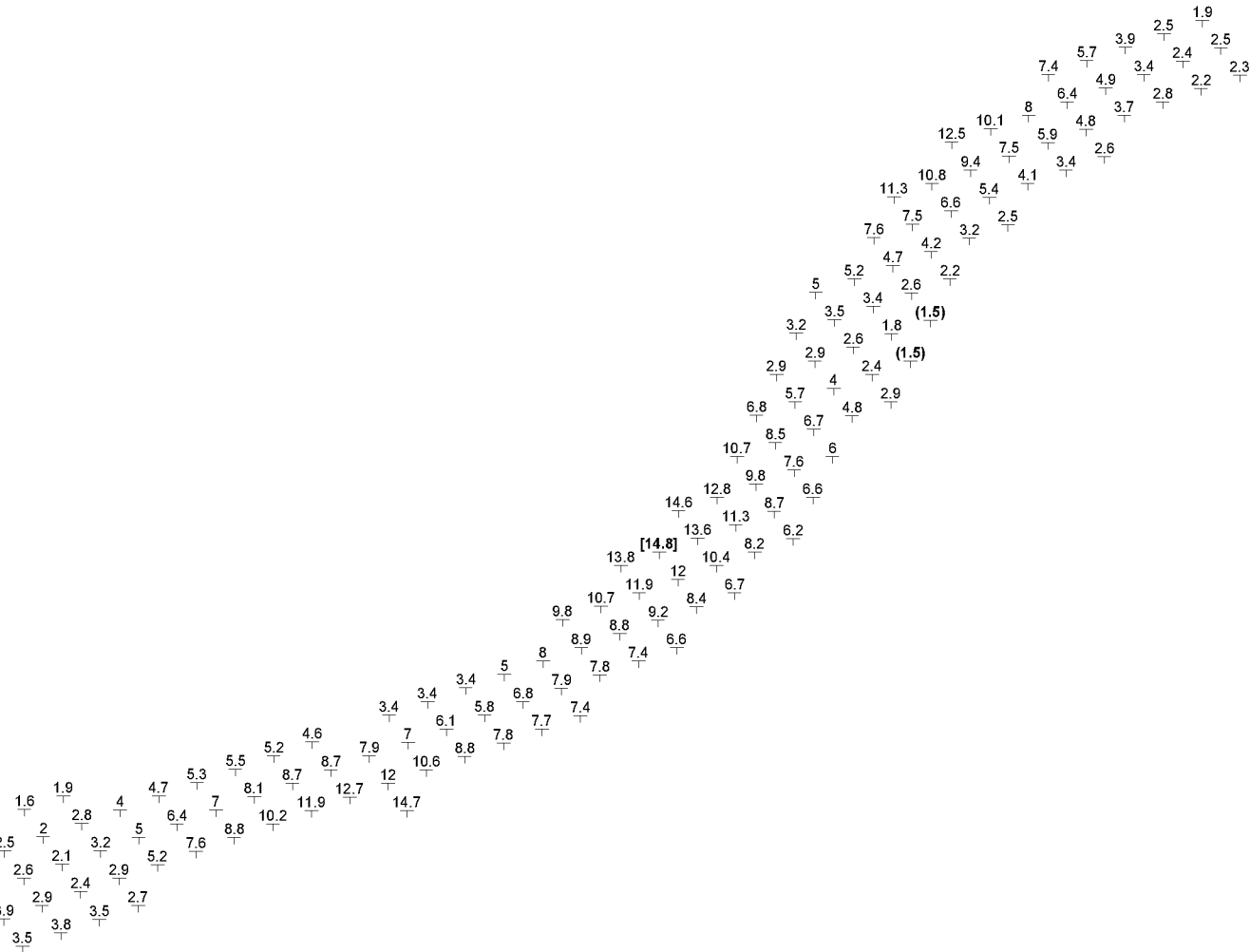


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021

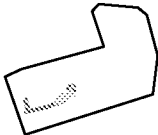


2.3 Calculation results, Exterior 1

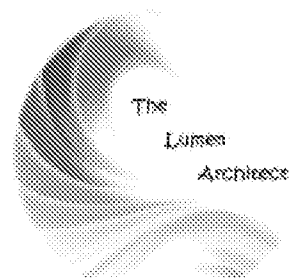
2.3.3 Table, Main Road Part 3 (E)



Part3

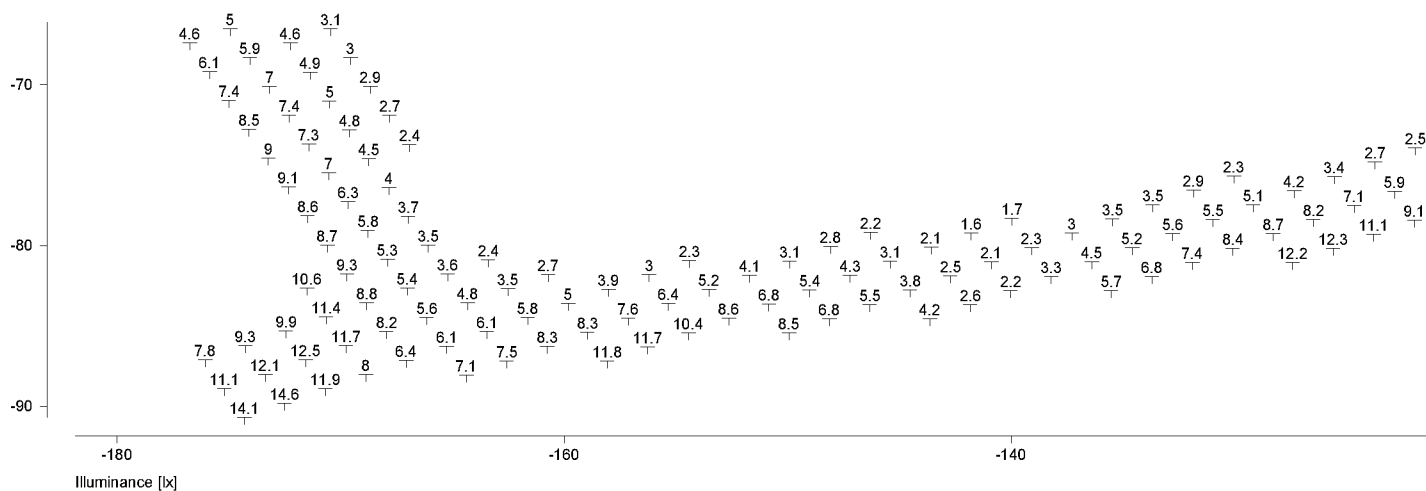


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021

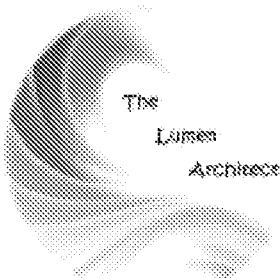


2.3 Calculation results, Exterior 1

2.3.3 Table, Main Road Part 3 (E)

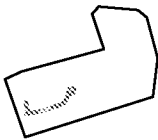
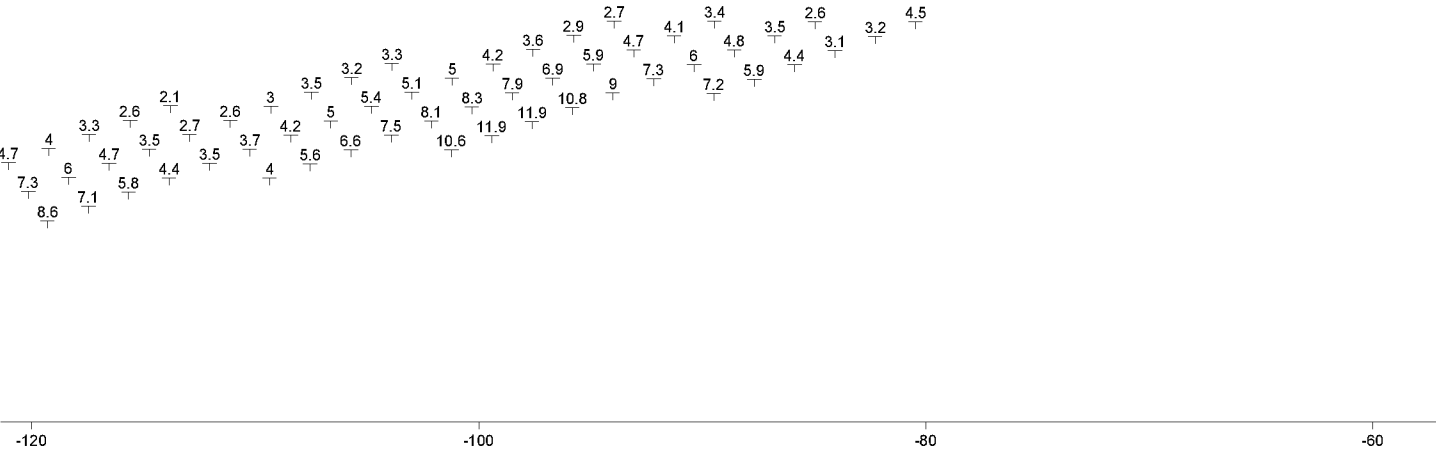


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



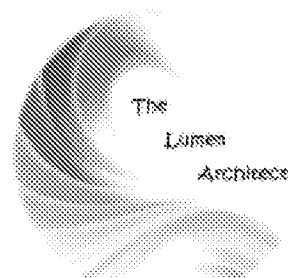
2.3 Calculation results, Exterior 1

2.3.3 Table, Main Road Part 3 (E)



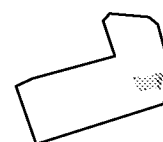
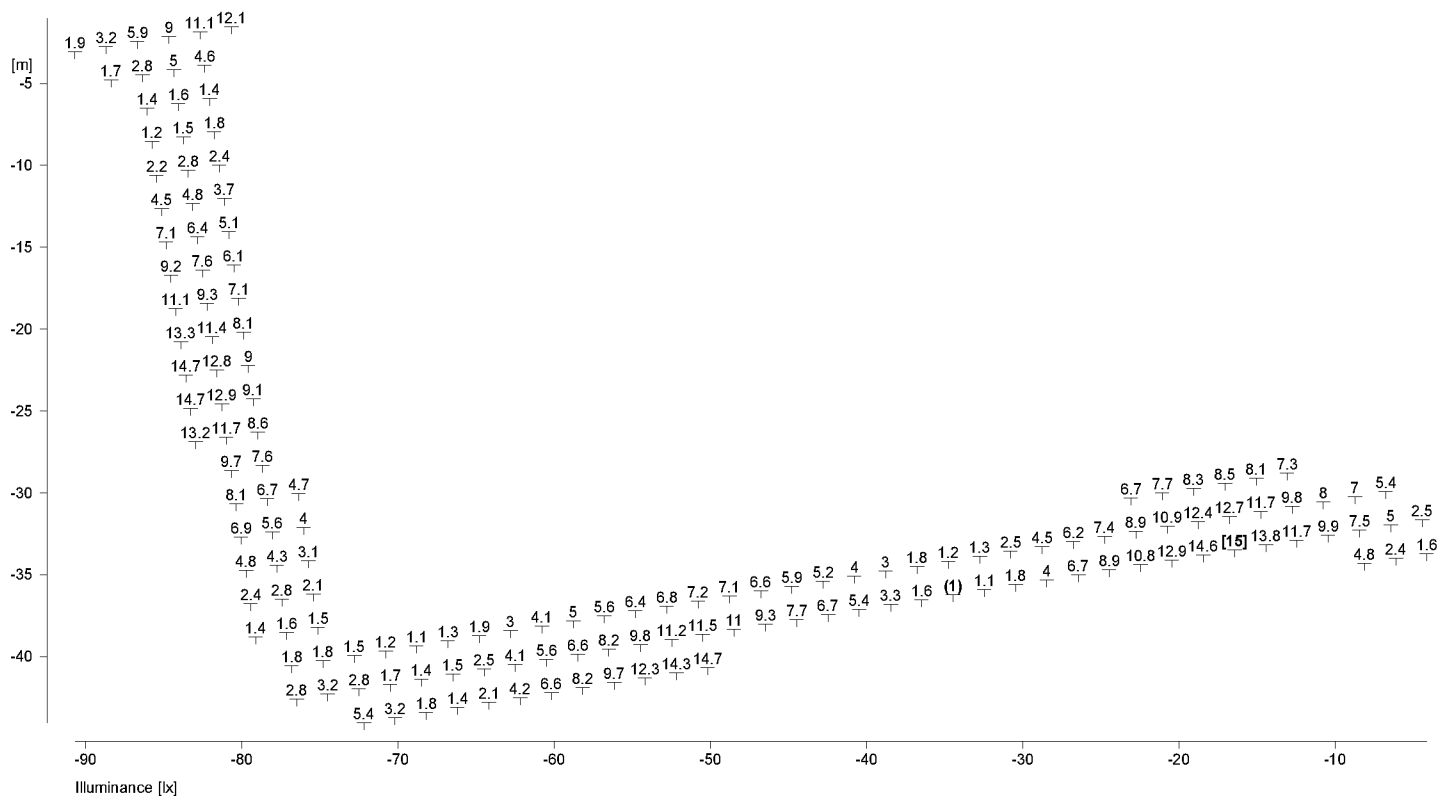
Part5

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



2.3 Calculation results, Exterior 1

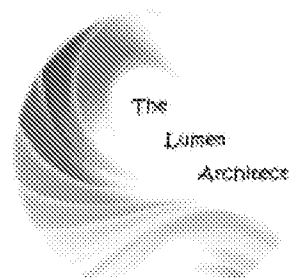
2.3.4 Table, South Road 1 Part 1 (E)



Part1

Height reference plane	: 0.01 m
Average illuminance	Em : 6 lx
Minimum illuminance	Emin : 1 lx
Maximum illuminance	Emax : 15 lx
Uniformity Uo	Emin/Em : 1 : 5.79 (0.17)
Diversity Ud	Emin/Emax : 1 : 14.49 (0.07)

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021

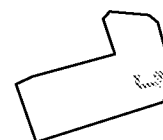


2.3 Calculation results, Exterior 1

2.3.4 Table, South Road 1 Part 1 (E)

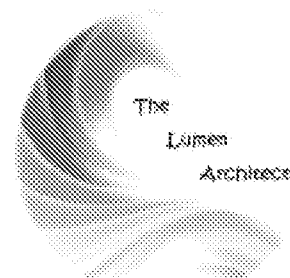
2.2	3	2.9
5.1	5.4	4.3
7.8	6.9	5.4
10	7.8	6.1
11.8	9.4	6.7
13.9	10.9	7
14.5	11.1	6.8
13.7	10.4	6.1
11.4	9	5.6
10.5	9	7.4
8.3	7.5	6.2
6	6.1	4.8
3.4	4.1	3.3
1.3	1.6	2.2
1.3	1.1	1.2
1.3	1.2	1.1
1.7	1.9	2.3
4.7	5.2	4.1
8.4	6.9	5.1
	5.2	

0 [m]



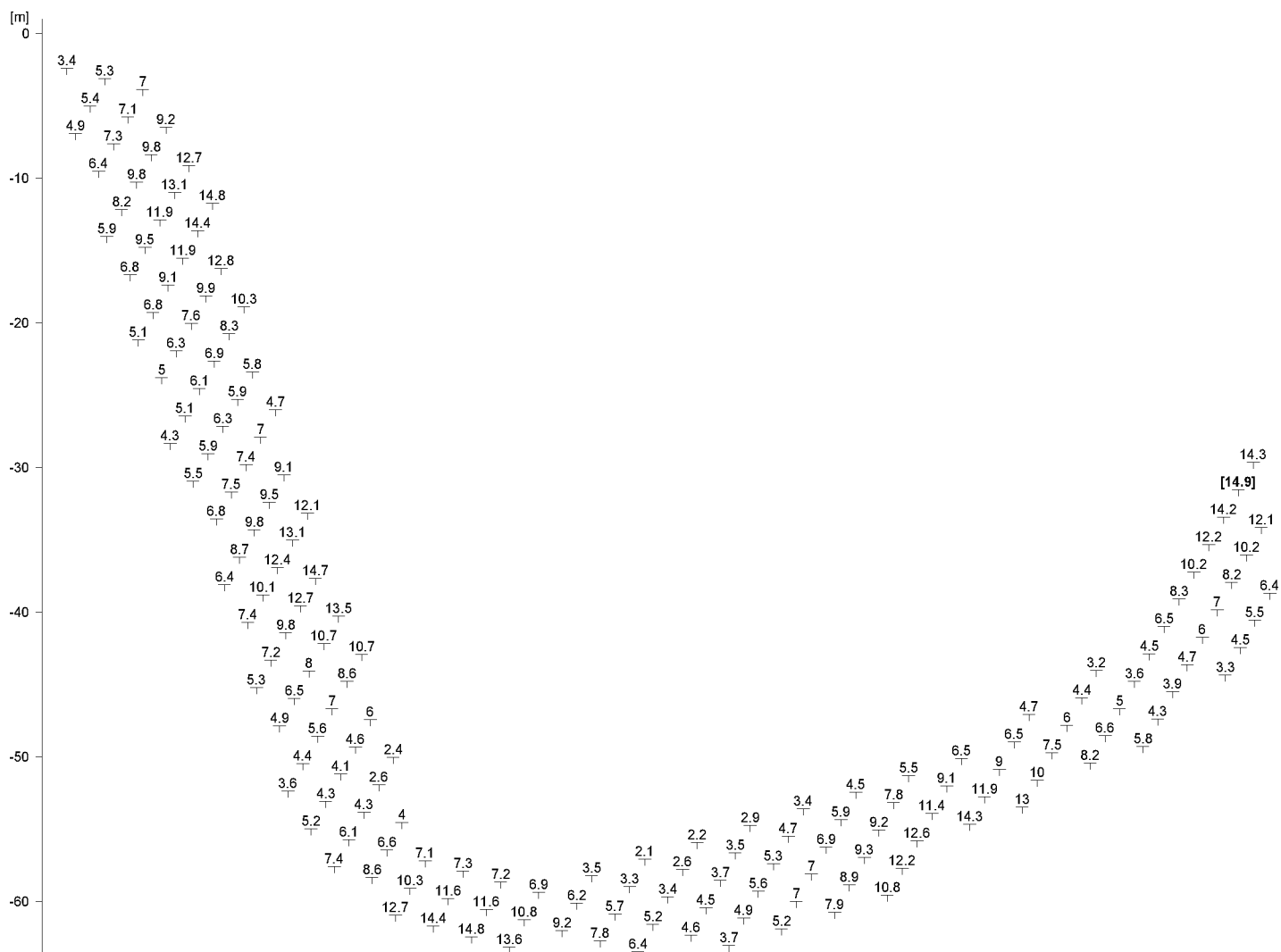
Part2

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



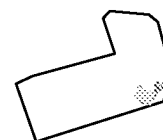
2.3 Calculation results, Exterior 1

2.3.5 Table, South Road 1 Part 2 (E)

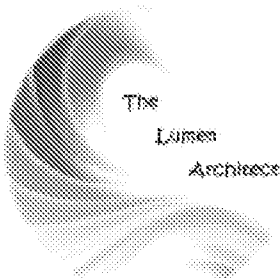


Part1

Height reference plane	: 0.01 m
Average illuminance	Em : 7.5 lx
Minimum illuminance	Emin : 2 lx
Maximum illuminance	Emax : 14.9 lx
Uniformity Uo	Emin/Em : 1 : 3.83 (0.26)
Diversity Ud	Emin/Emax : 1 : 7.62 (0.13)

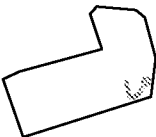
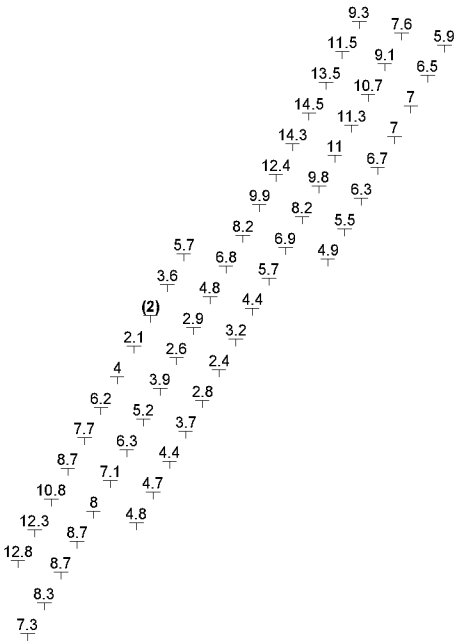


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021

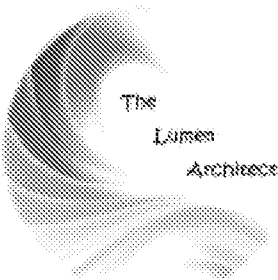


2.3 Calculation results, Exterior 1

2.3.5 Table, South Road 1 Part 2 (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



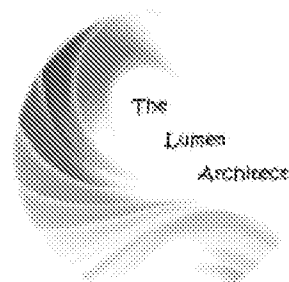
2.3 Calculation results, Exterior 1

2.3.6 Table, South Road 2 Part 1 (E)



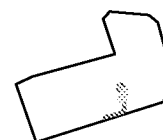
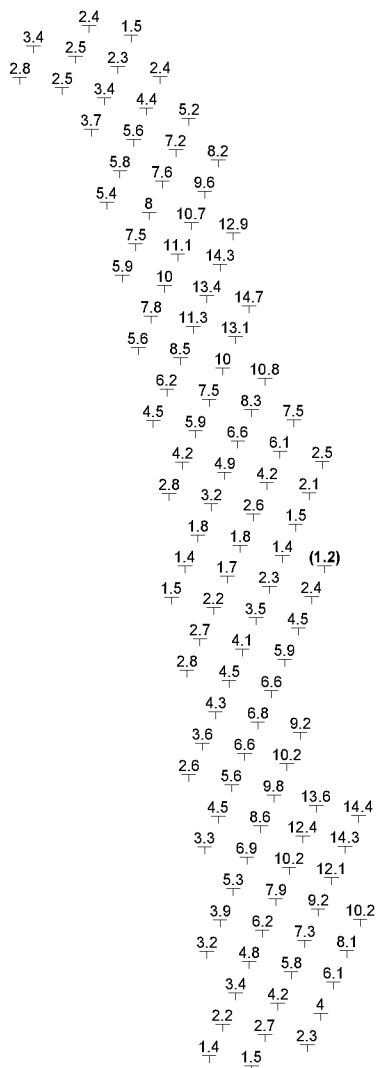
Height reference plane		: 0.01 m
Average illuminance	Em	: 6.5 lx
Minimum illuminance	Emin	: 1.2 lx
Maximum illuminance	Emax	: 14.9 lx
Uniformity Uo	Emin/Em	: 1 : 5.23 (0.19)
Diversity Ud	Emin/Emax	: 1 : 12.00 (0.08)

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



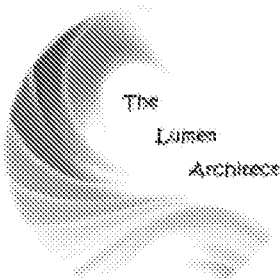
2.3 Calculation results, Exterior 1

2.3.6 Table, South Road 2 Part 1 (E)



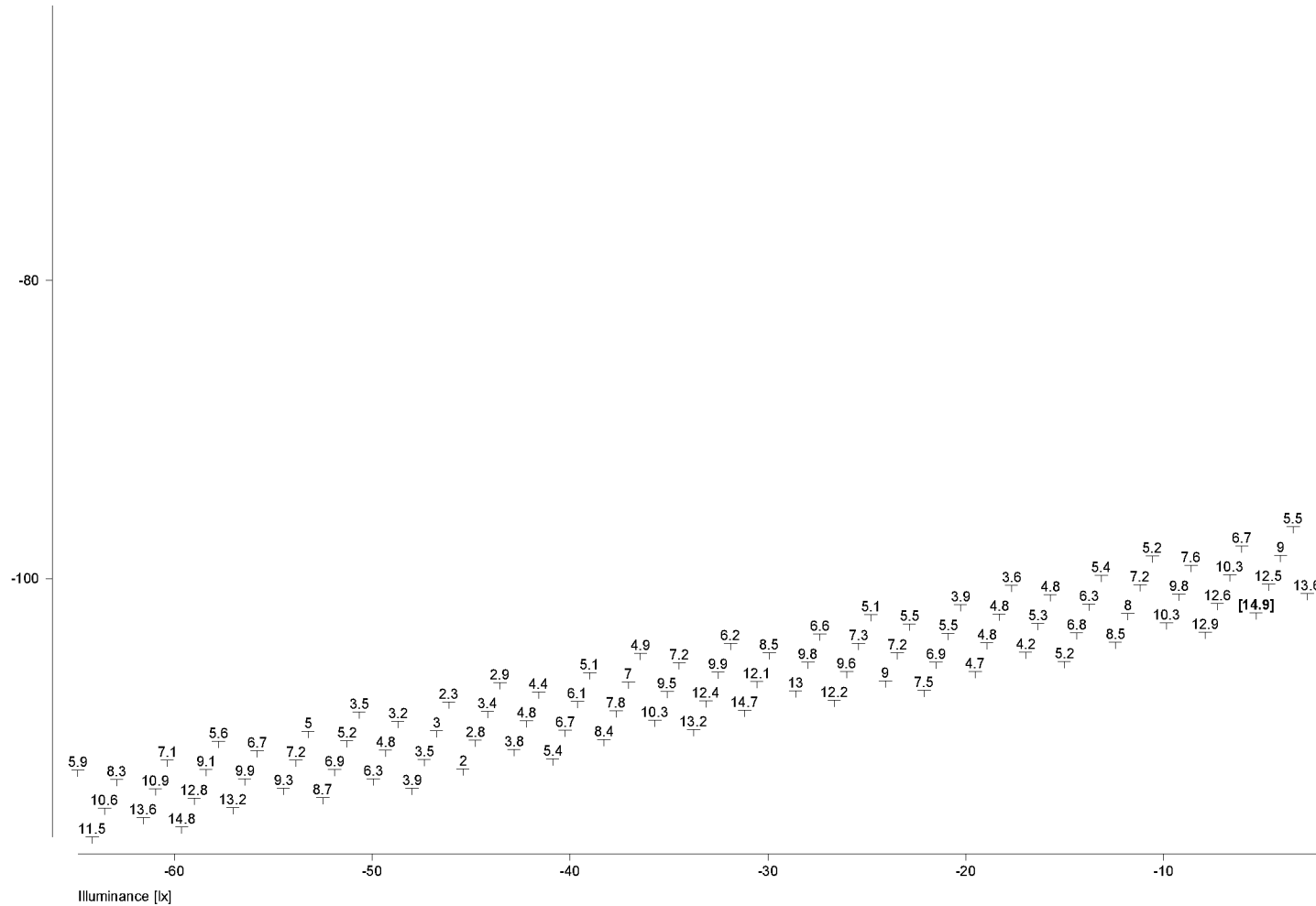
Part2

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021

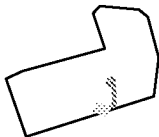


2.3 Calculation results, Exterior 1

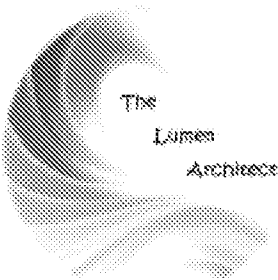
2.3.6 Table, South Road 2 Part 1 (E)



Part3

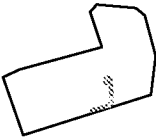
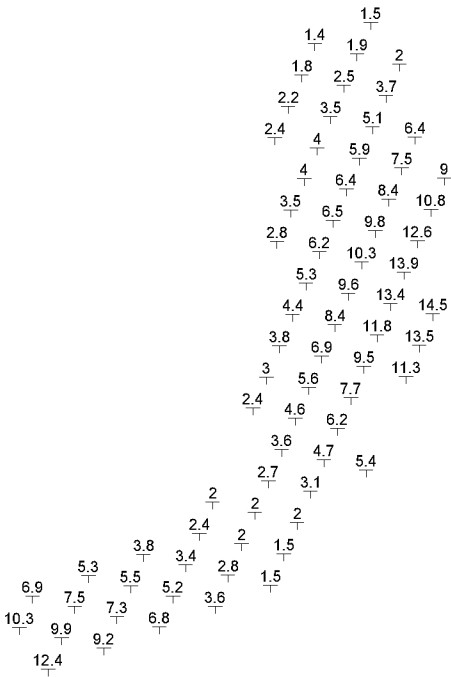


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



2.3 Calculation results, Exterior 1

2.3.6 Table, South Road 2 Part 1 (E)

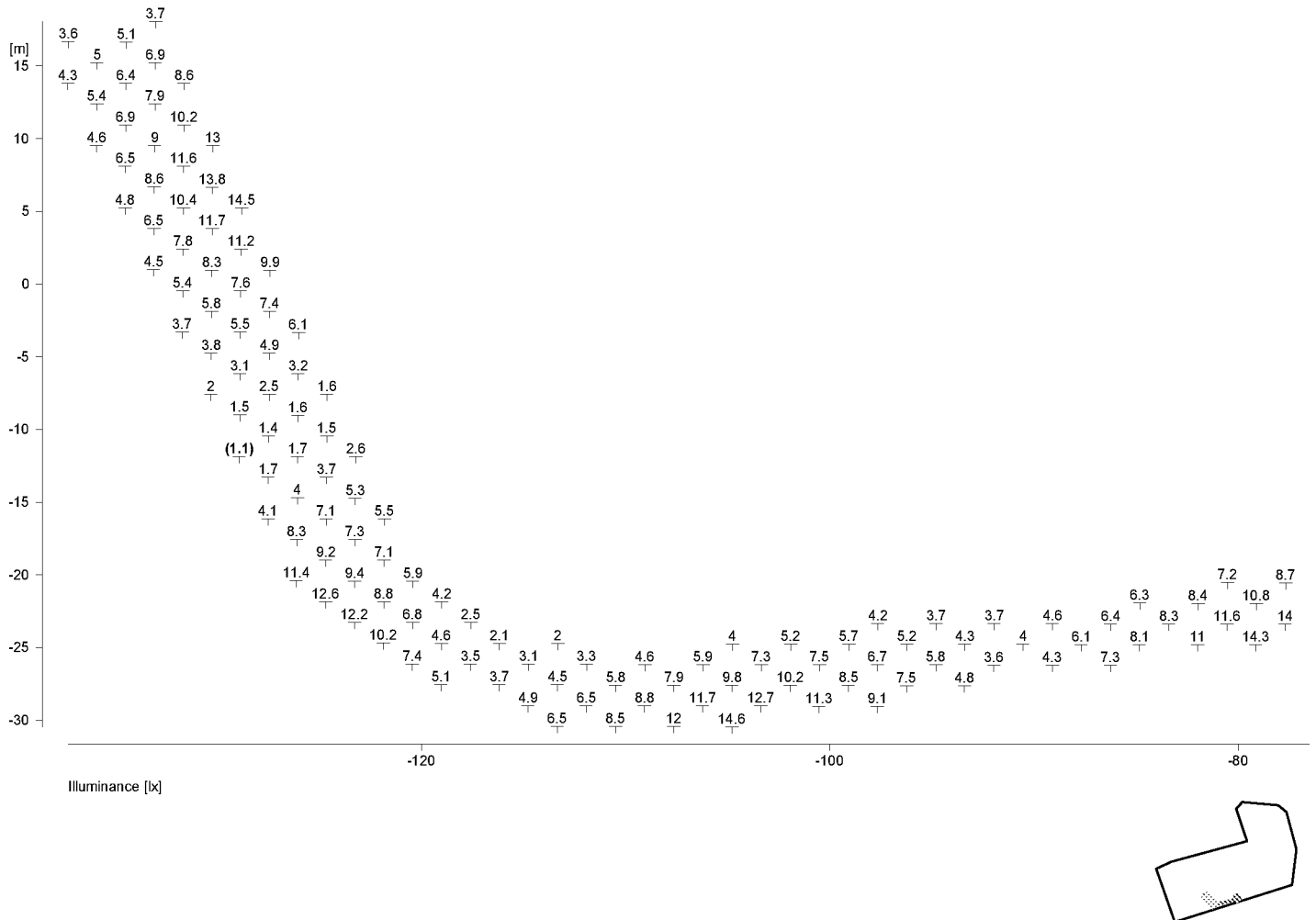


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



2.3 Calculation results, Exterior 1

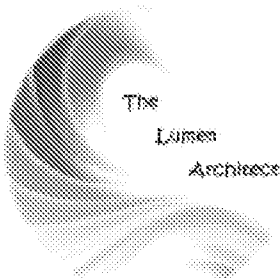
2.3.7 Table, South Road 2 Part 2 (E)



Part1

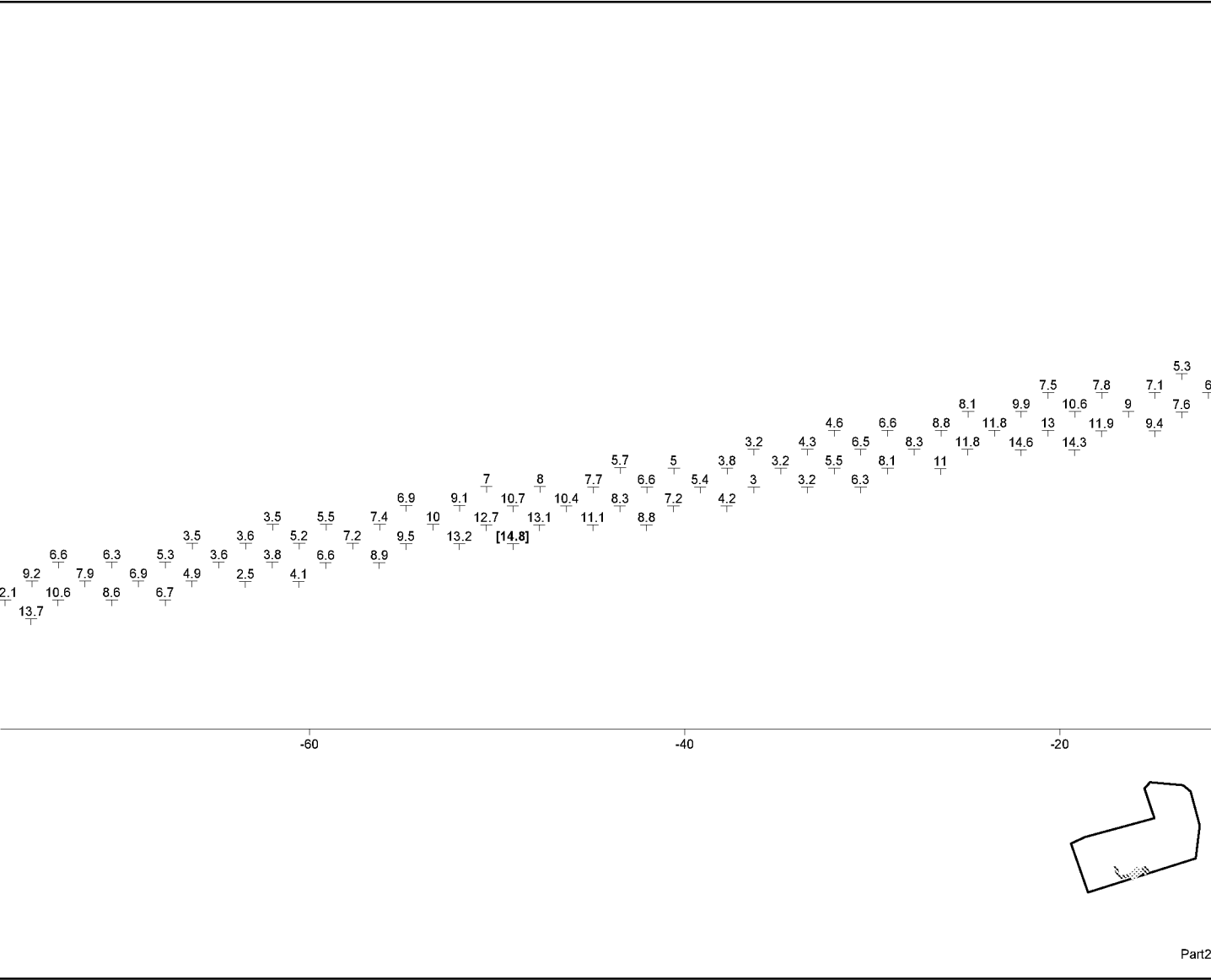
Height reference plane	: 0.01 m
Average illuminance	Em : 7 lx
Minimum illuminance	Emin : 1.1 lx
Maximum illuminance	Emax : 14.8 lx
Uniformity Uo	Emin/Em : 1 : 6.22 (0.16)
Diversity Ud	Emin/Emax : 1 : 13.24 (0.08)

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



2.3 Calculation results, Exterior 1

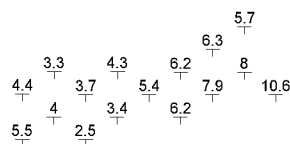
2.3.7 Table, South Road 2 Part 2 (E)



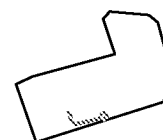


The
Lumen
Architecture

2.3.7 Table, South Road 2 Part 2 (E)

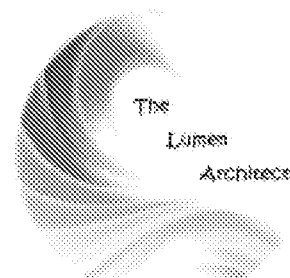


0 [m]



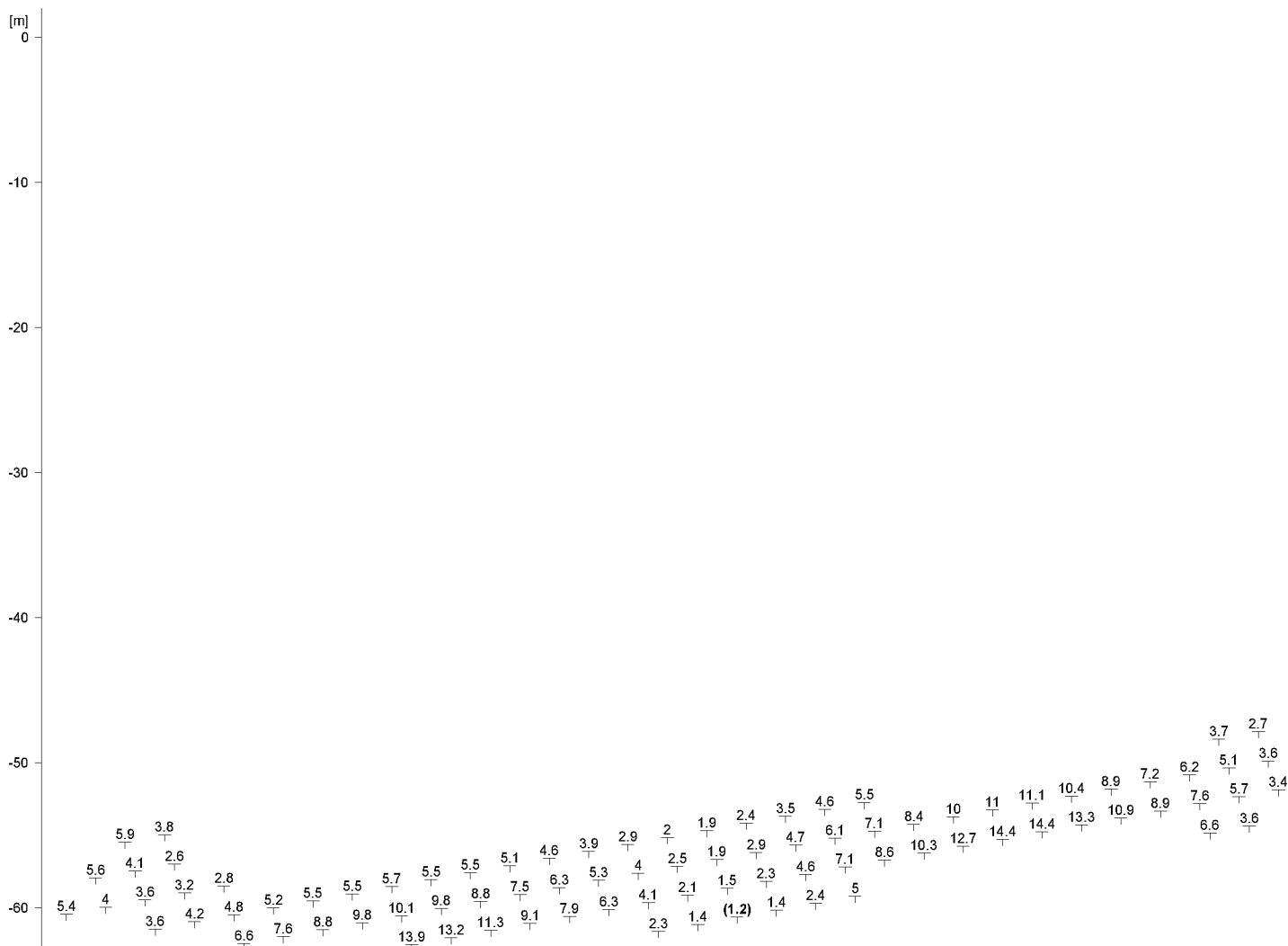
Part3

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



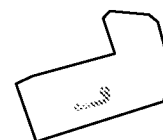
2.3 Calculation results, Exterior 1

2.3.8 Table, South Road 3 (E)

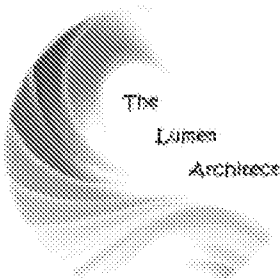


Part1

Height reference plane	: 0.01 m
Average illuminance	Em : 6.4 lx
Minimum illuminance	Emin : 1.2 lx
Maximum illuminance	Emax : 14.5 lx
Uniformity Uo	Emin/Em : 1 : 5.56 (0.18)
Diversity Ud	Emin/Emax : 1 : 12.58 (0.08)

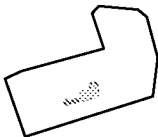
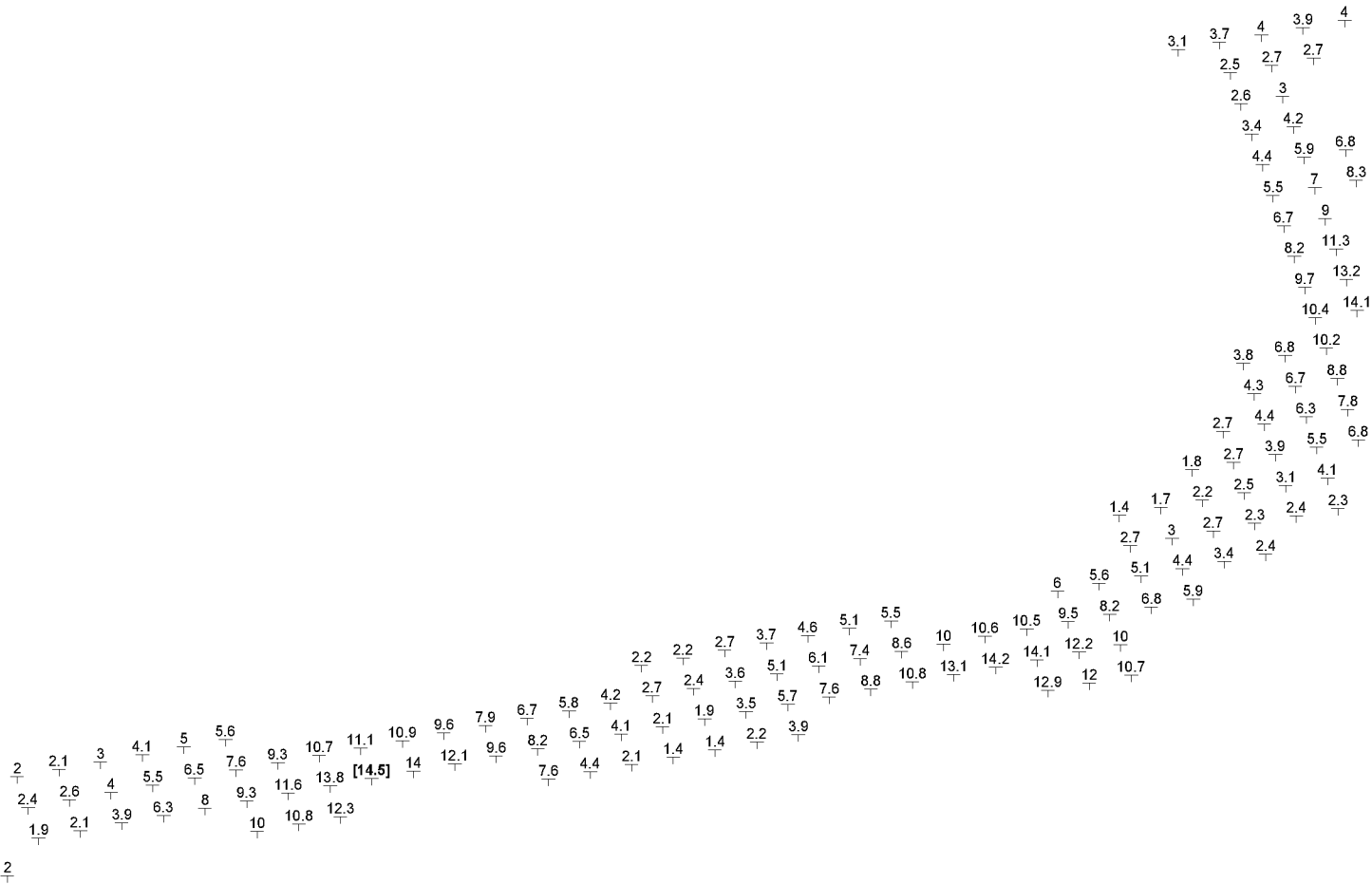


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



2.3 Calculation results, Exterior 1

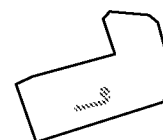
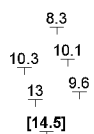
2.3.8 Table, South Road 3 (E)





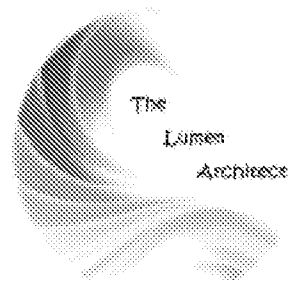
The
Lumen
Architecture

2.3.8 Table, South Road 3 (E)



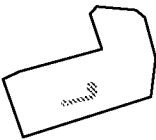
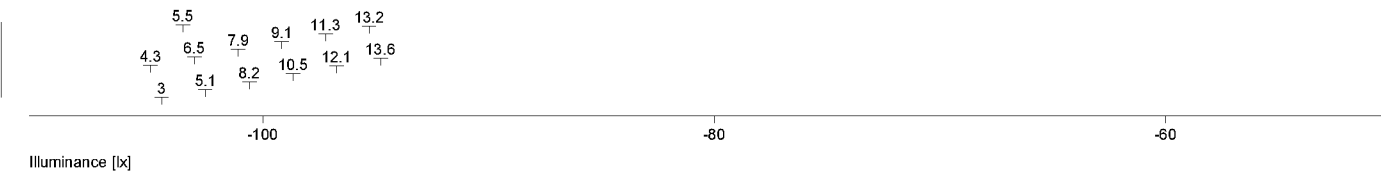
Part3

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



2.3 Calculation results, Exterior 1

2.3.8 Table, South Road 3 (E)

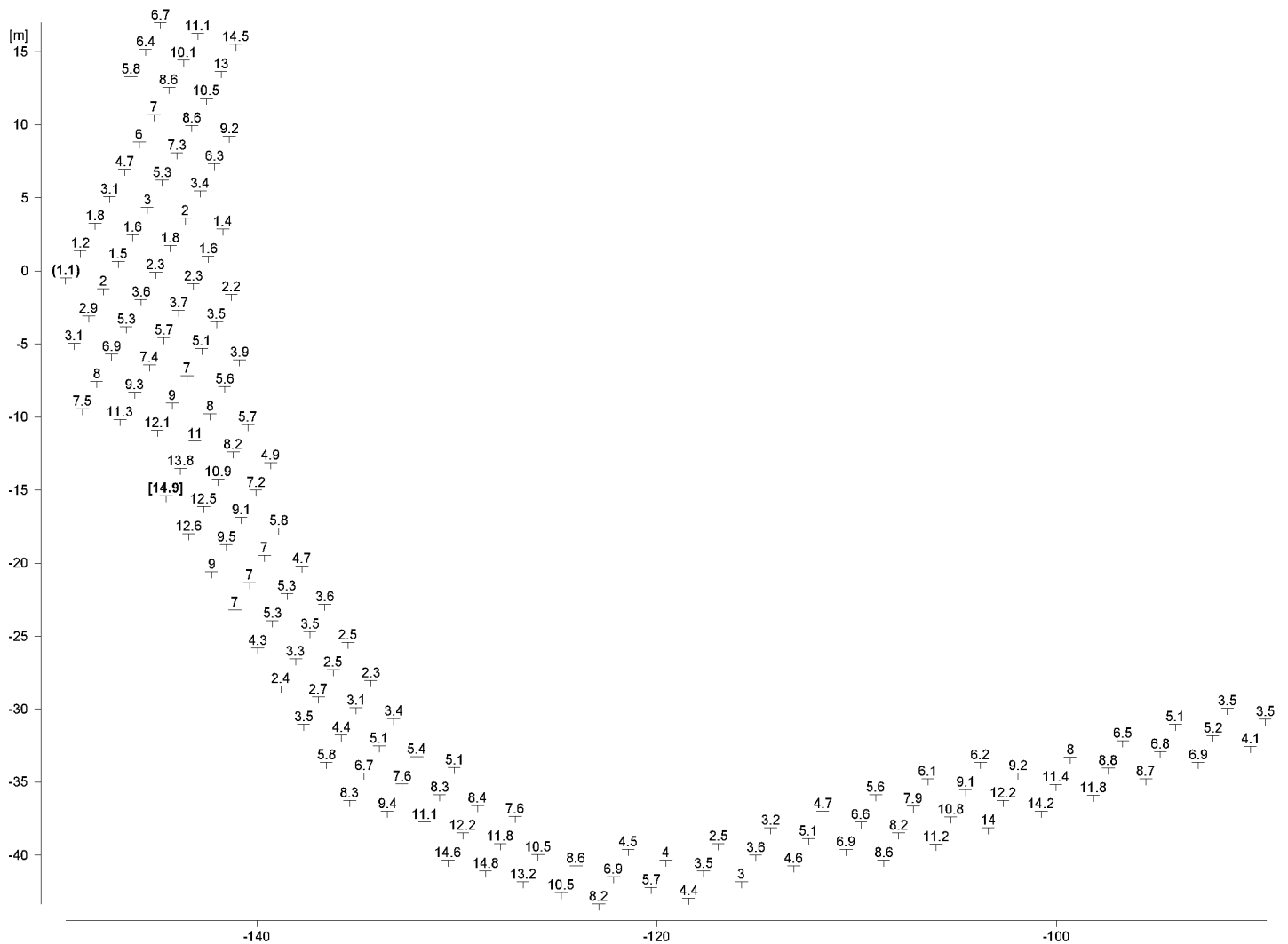


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



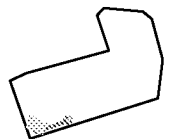
2.3 Calculation results, Exterior 1

2.3.9 Table, South Road 4 (E)

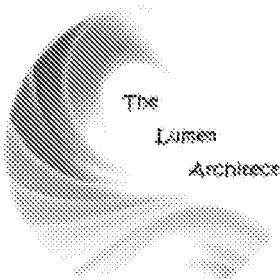


Part1

Height reference plane	: 0.01 m
Average illuminance	Em : 7.3 lx
Minimum illuminance	Emin : 1.1 lx
Maximum illuminance	Emax : 14.9 lx
Uniformity Uo	Emin/Em : 1 : 6.45 (0.15)
Diversity Ud	Emin/Emax : 1 : 13.27 (0.08)

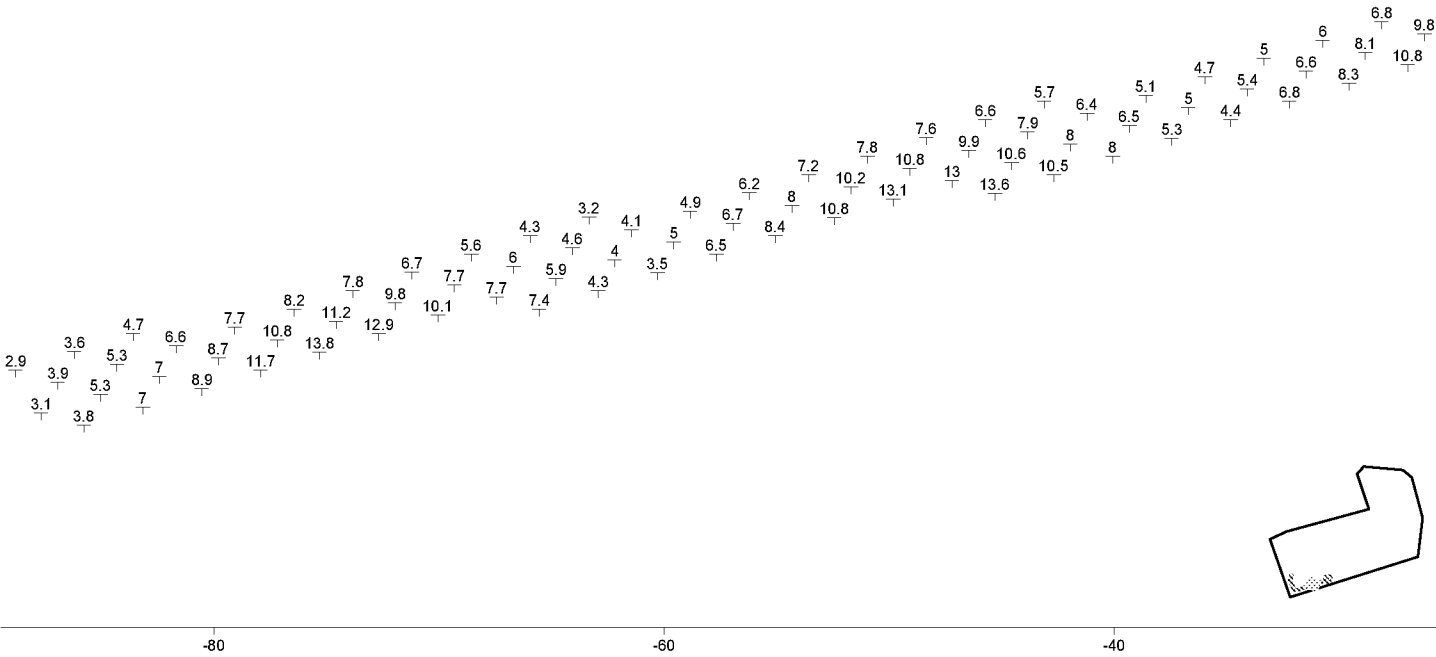


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021

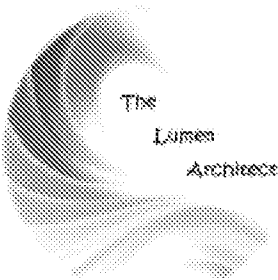


2.3 Calculation results, Exterior 1

2.3.9 Table, South Road 4 (E)

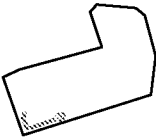
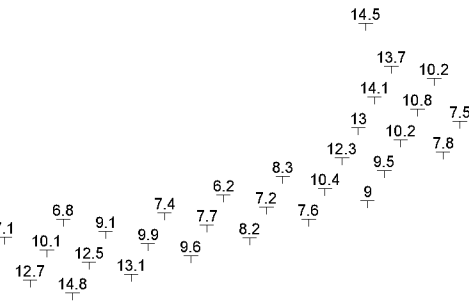


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



2.3 Calculation results, Exterior 1

2.3.9 Table, South Road 4 (E)



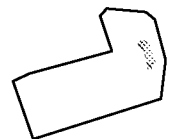
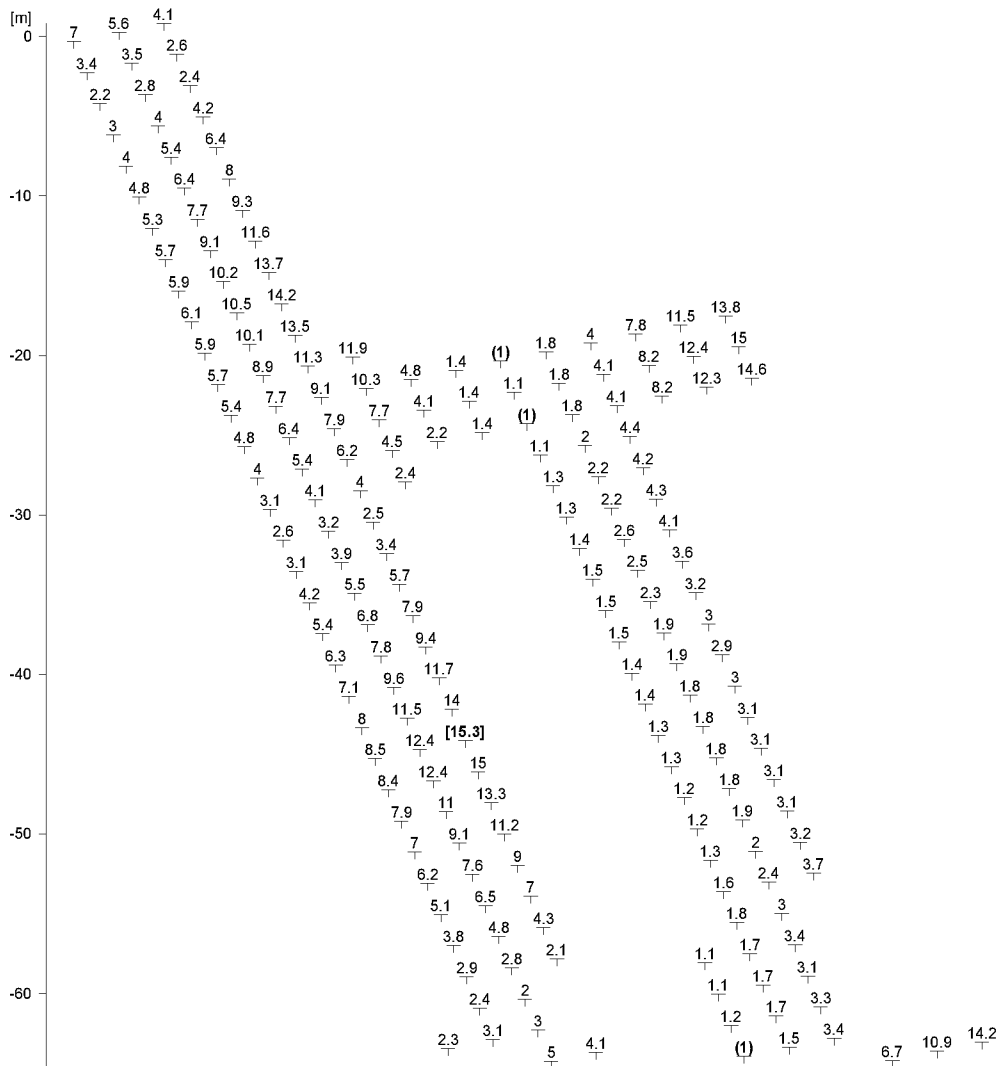
-20 [m]

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



2.3 Calculation results, Exterior 1

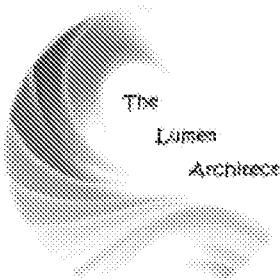
2.3.10 Table, North Road 1 (E)



Part1

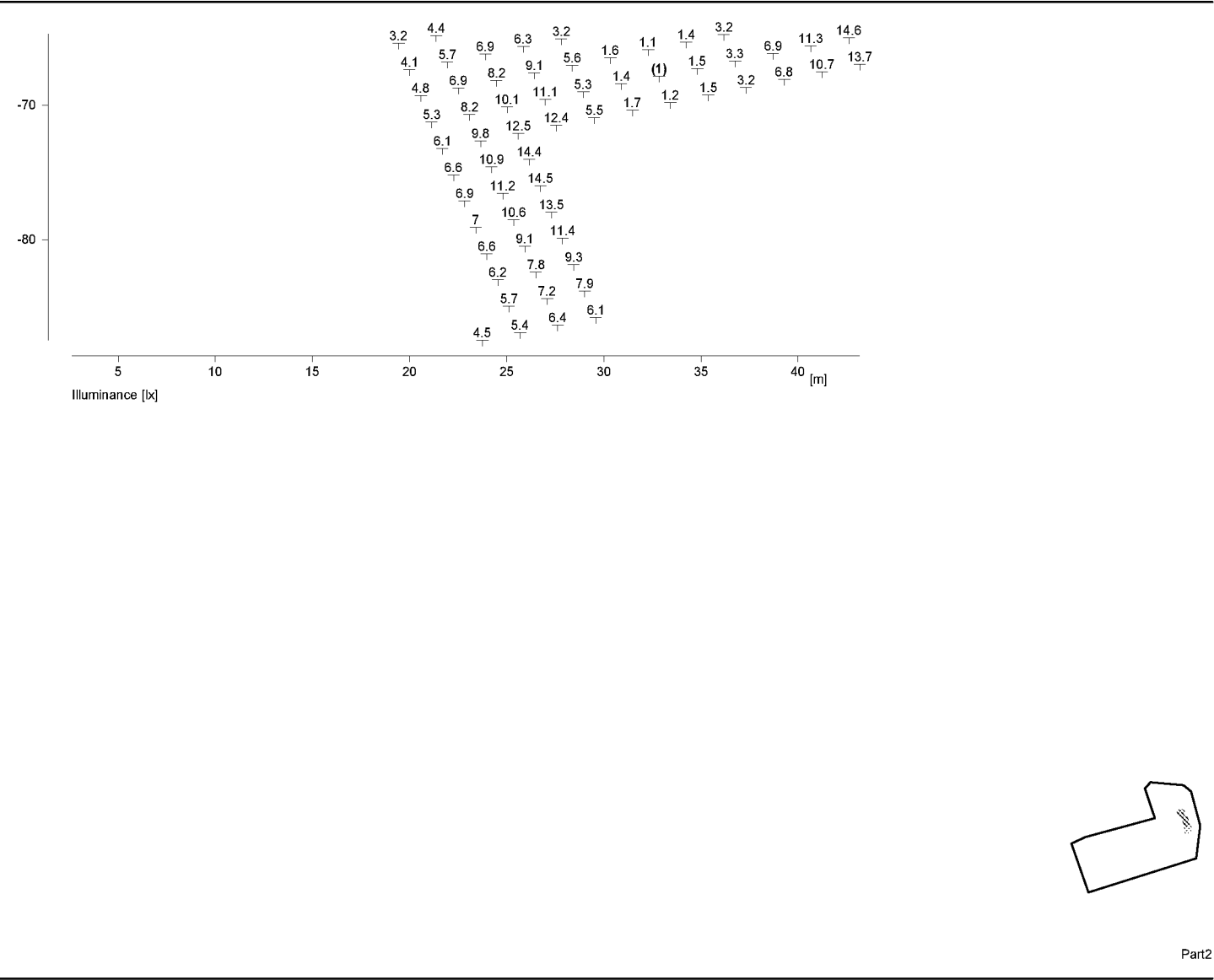
Height reference plane	: 0.01 m
Average illuminance	Em : 5.7 lx
Minimum illuminance	Emin : 1 lx
Maximum illuminance	Emax : 15.3 lx
Uniformity Uo	Emin/Em : 1 : 5.66 (0.18)
Diversity Ud	Emin/Emax : 1 : 15.21 (0.07)

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021

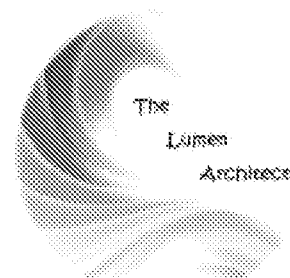


2.3 Calculation results, Exterior 1

2.3.10 Table, North Road 1 (E)

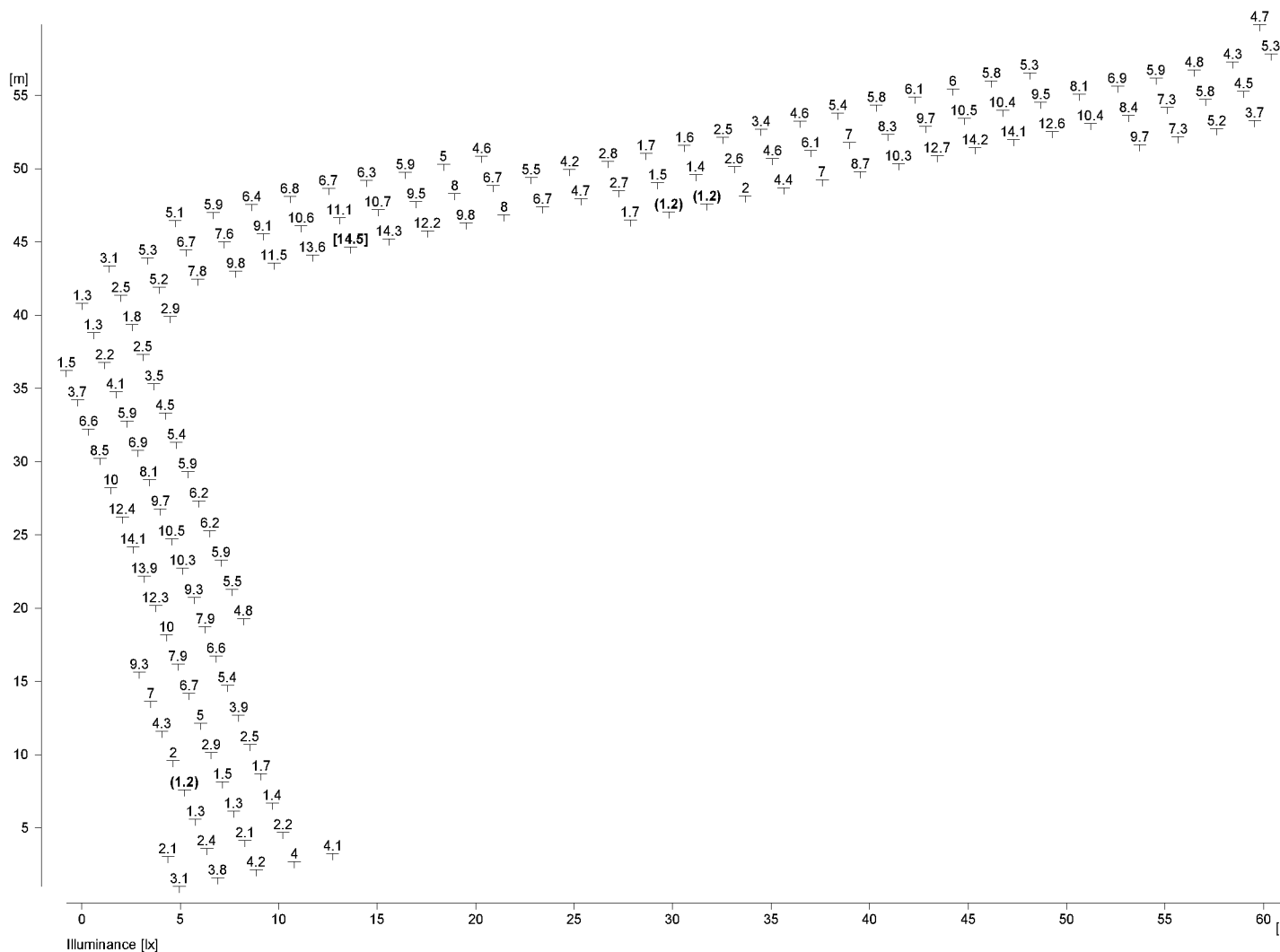


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



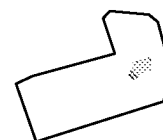
2.3 Calculation results, Exterior 1

2.3.11 Table, North Road 2 (E)



Part1

Height reference plane	: 0.01 m
Average illuminance	Em : 6.2 lx
Minimum illuminance	Emin : 1.2 lx
Maximum illuminance	Emax : 14.5 lx
Uniformity Uo	Emin/Em : 1 : 5.34 (0.19)
Diversity Ud	Emin/Emax : 1 : 12.58 (0.08)



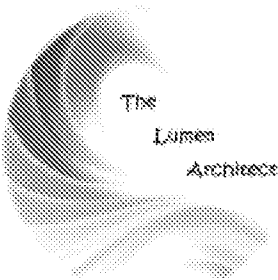


The
Lumen
Architecture

2.3.11 Table, North Road 2 (E)

Part2

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



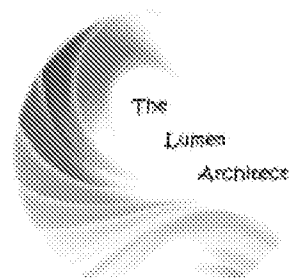
2.3 Calculation results, Exterior 1

2.3.12 Table, North Road 3 Part 1 (E)



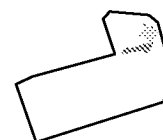
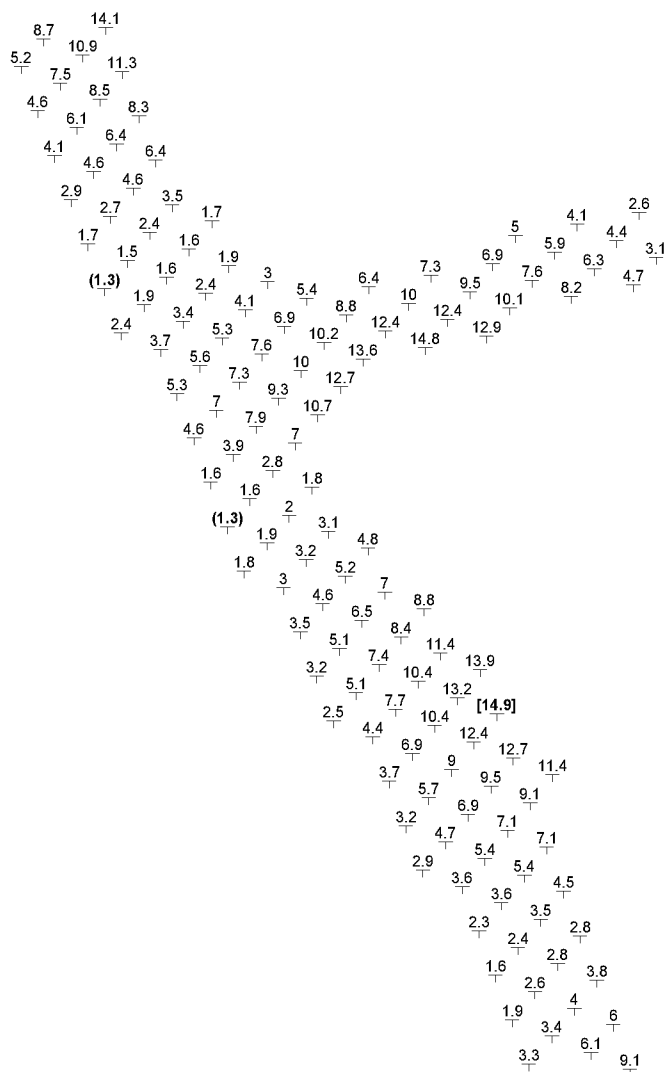
Height reference plane		: 0.01 m
Average illuminance	Em	: 5.6 lx
Minimum illuminance	Emin	: 1.3 lx
Maximum illuminance	Emax	: 14.9 lx
Uniformity Uo	Emin/Em	: 1 : 4.23 (0.24)
Diversity Ud	Emin/Emax	: 1 : 11.30 (0.09)

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



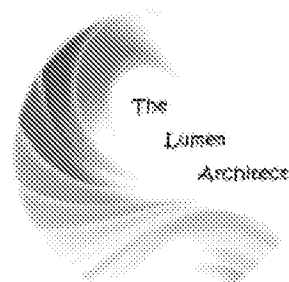
2.3 Calculation results, Exterior 1

2.3.12 Table, North Road 3 Part 1 (E)



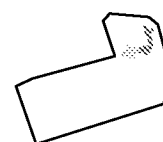
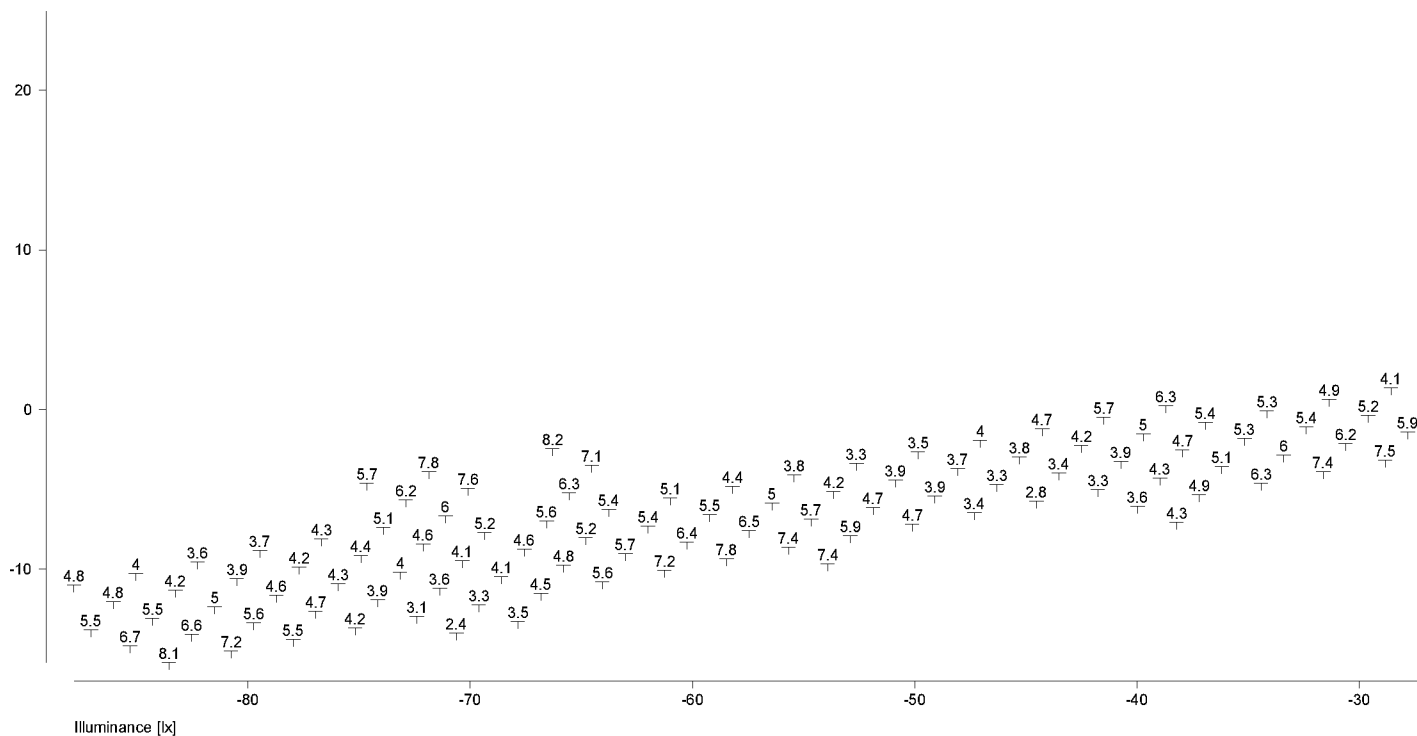
Part2

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



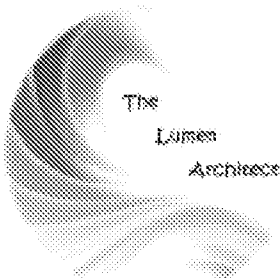
2.3 Calculation results, Exterior 1

2.3.12 Table, North Road 3 Part 1 (E)



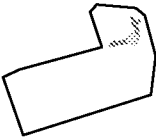
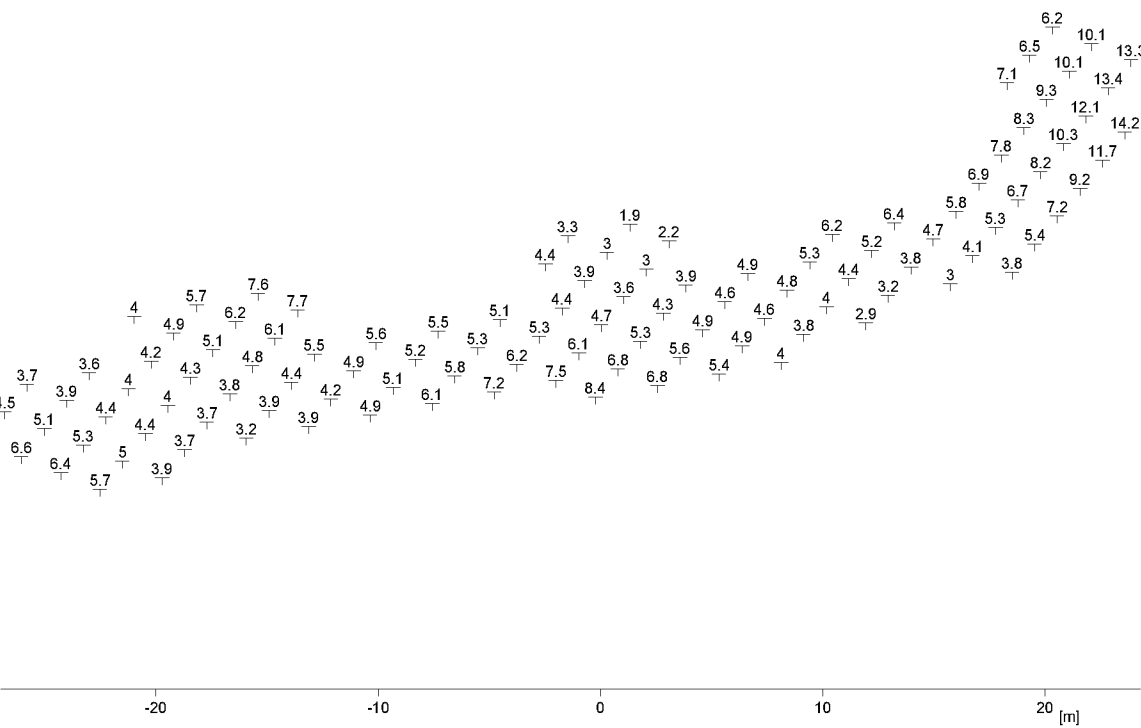
Part3

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



2.3 Calculation results, Exterior 1

2.3.12 Table, North Road 3 Part 1 (E)

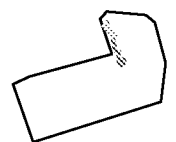
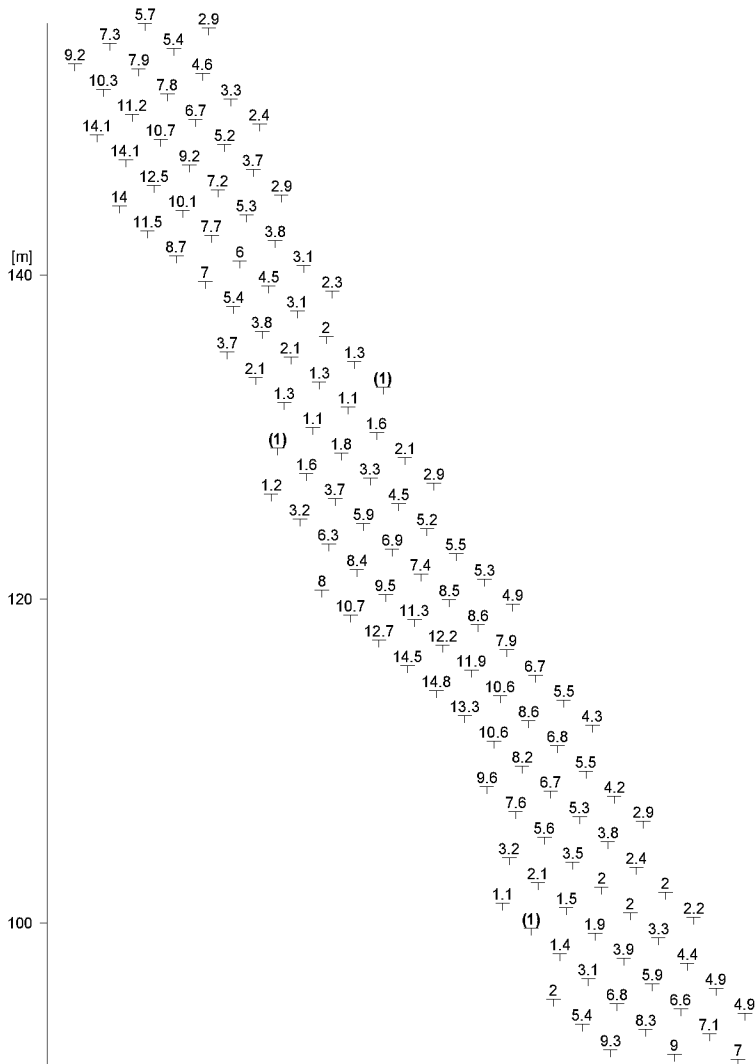


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



2.3 Calculation results, Exterior 1

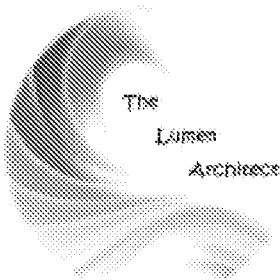
2.3.13 Table, North Road 3 Part 2 (E)



Part1

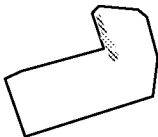
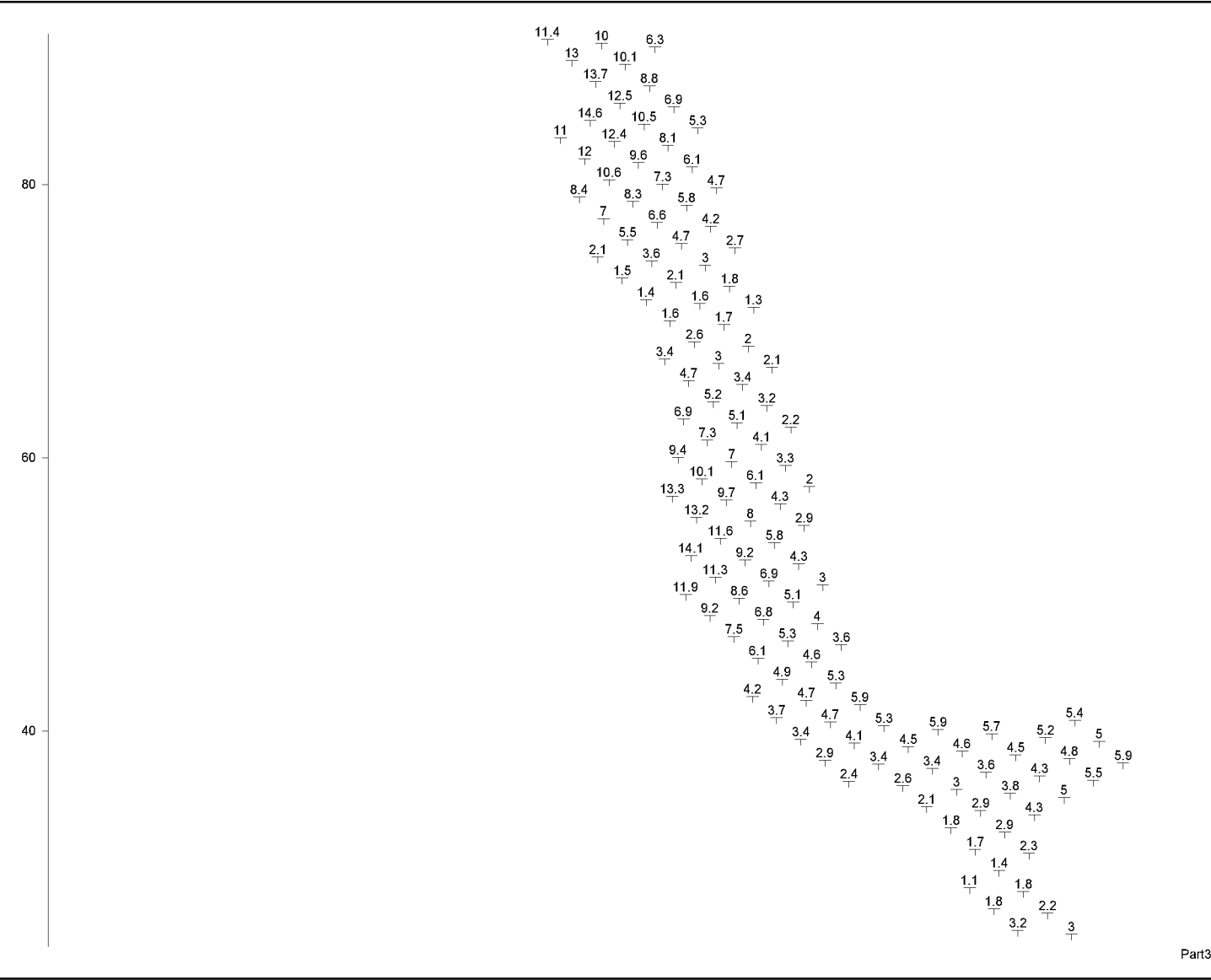
Average illuminance	Em	: 5.9 lx
Minimum illuminance	Emin	: 1 lx
Maximum illuminance	Emax	: 14.9 lx
Uniformity Uo	Emin/Em	: 1 : 6.11 (0.16)
Diversity Ud	Emin/Emax	: 1 : 15.38 (0.07)

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021

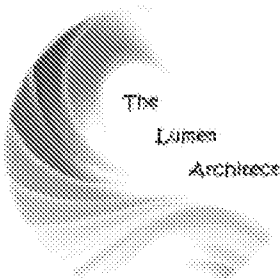


2.3 Calculation results, Exterior 1

2.3.13 Table, North Road 3 Part 2 (E)

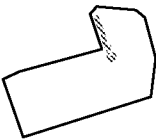
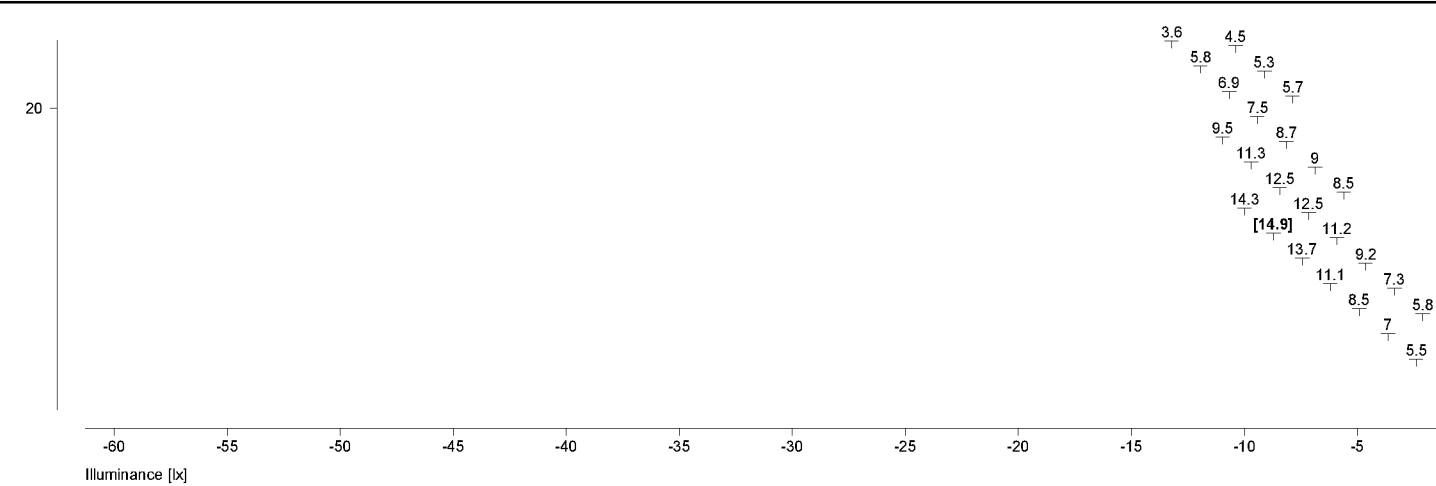


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021

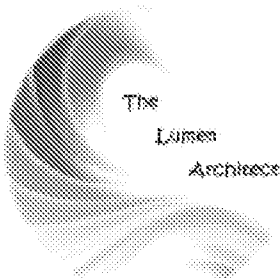


2.3 Calculation results, Exterior 1

2.3.13 Table, North Road 3 Part 2 (E)

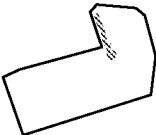
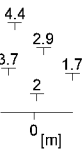


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021

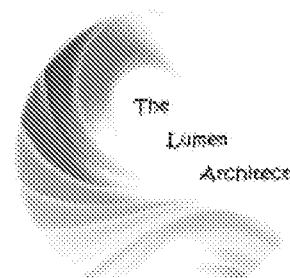


2.3 Calculation results, Exterior 1

2.3.13 Table, North Road 3 Part 2 (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



2.3 Calculation results, Exterior 1

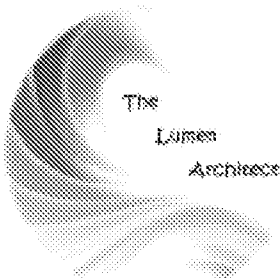
2.3.14 Table, North Road 3 Part 3 (E)



Part1

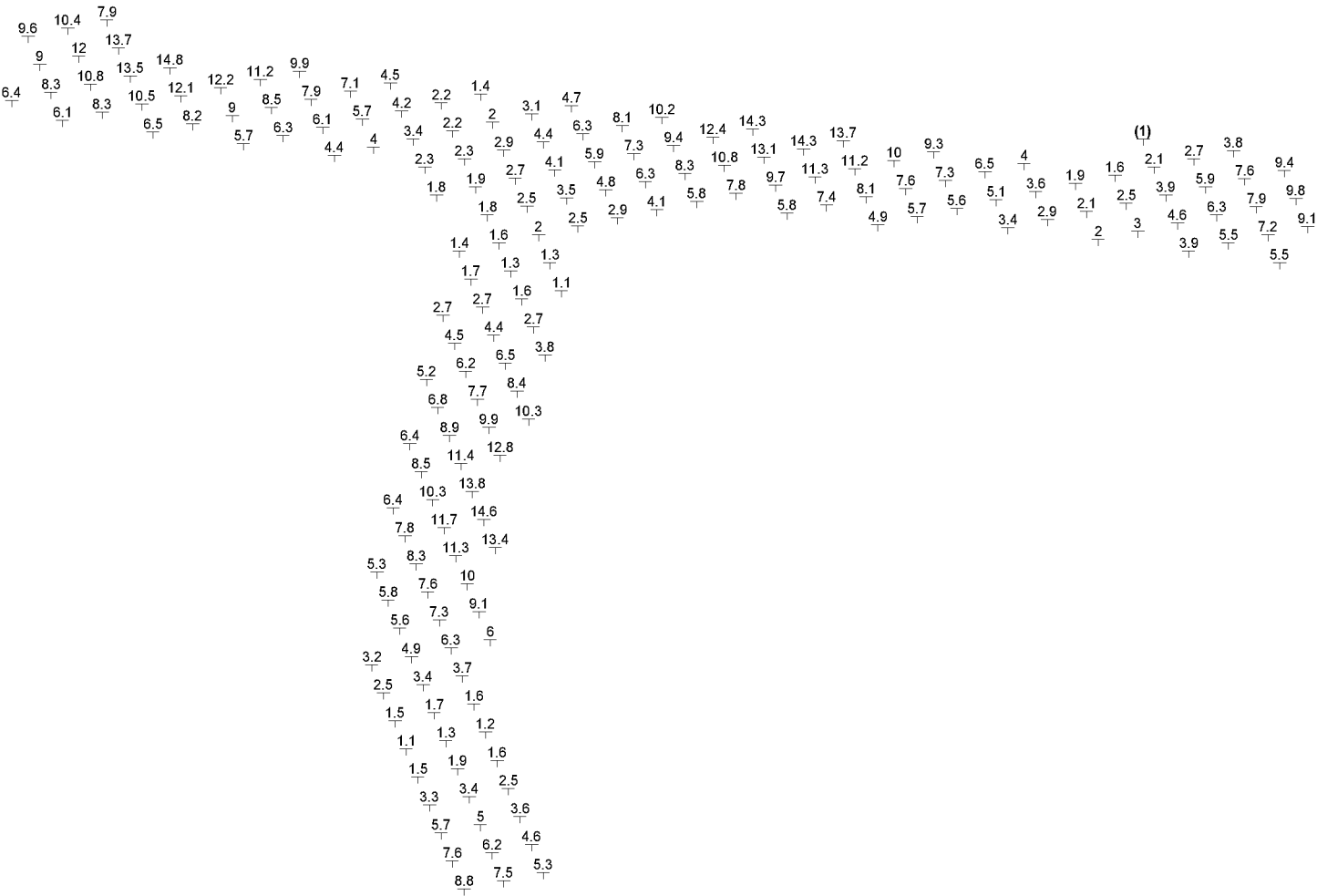
Height reference plane	: 0.01 m
Average illuminance	Em : 6.4 lx
Minimum illuminance	Emin : 1 lx
Maximum illuminance	Emax : 15.1 lx
Uniformity Uo	Emin/Em : 1 : 6.13 (0.16)
Diversity Ud	Emin/Emax : 1 : 14.40 (0.07)

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021

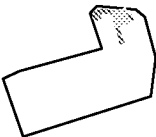


2.3 Calculation results, Exterior 1

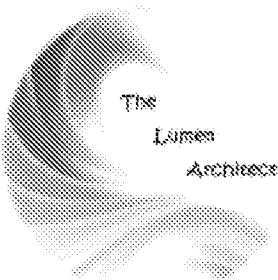
2.3.14 Table, North Road 3 Part 3 (E)



Part2

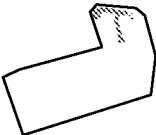
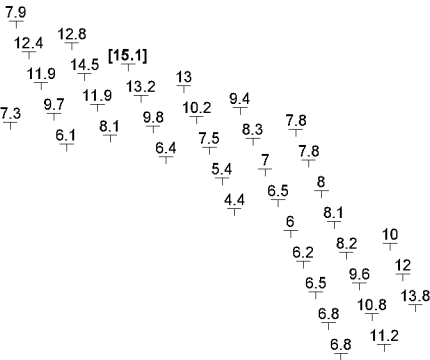


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



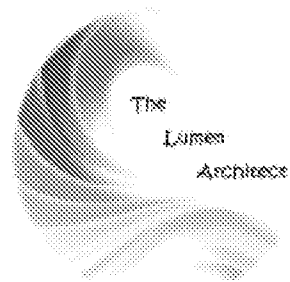
2.3 Calculation results, Exterior 1

2.3.14 Table, North Road 3 Part 3 (E)



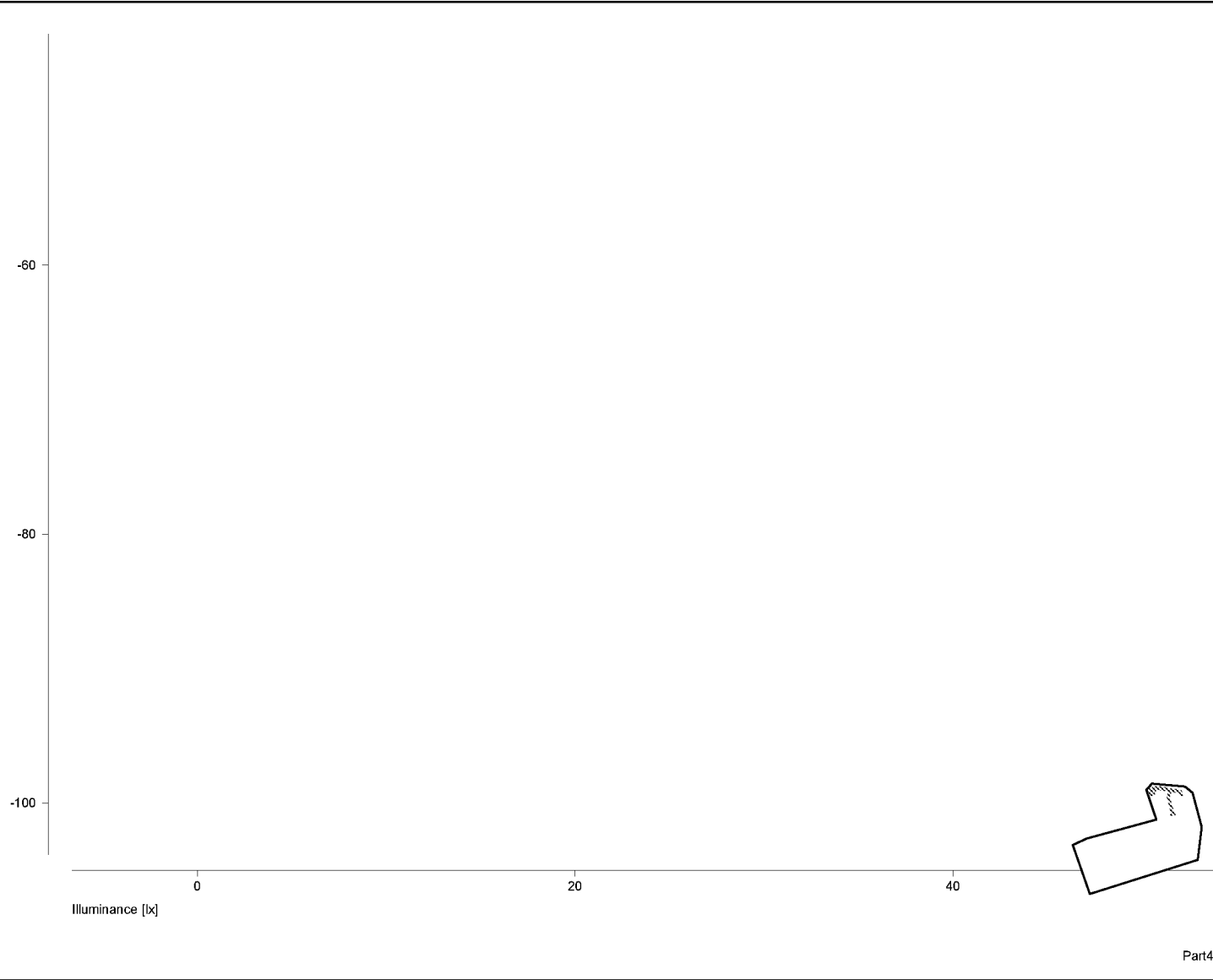
Part3

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021

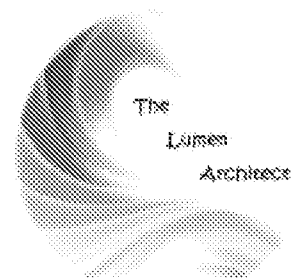


2.3 Calculation results, Exterior 1

2.3.14 Table, North Road 3 Part 3 (E)

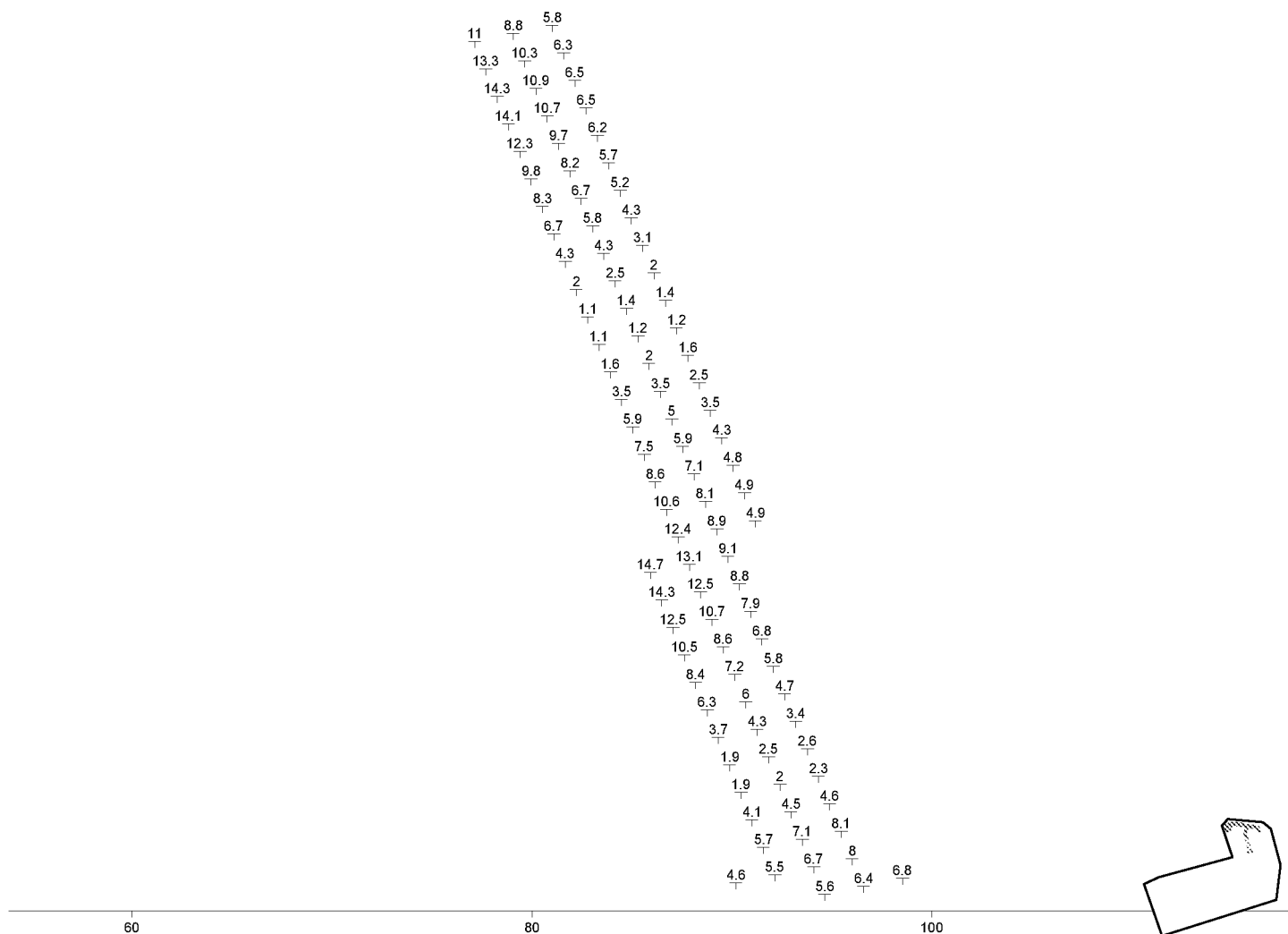


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



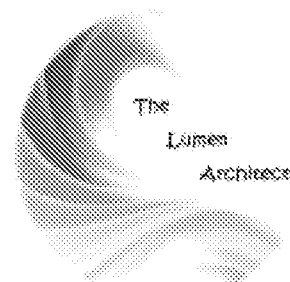
2.3 Calculation results, Exterior 1

2.3.14 Table, North Road 3 Part 3 (E)



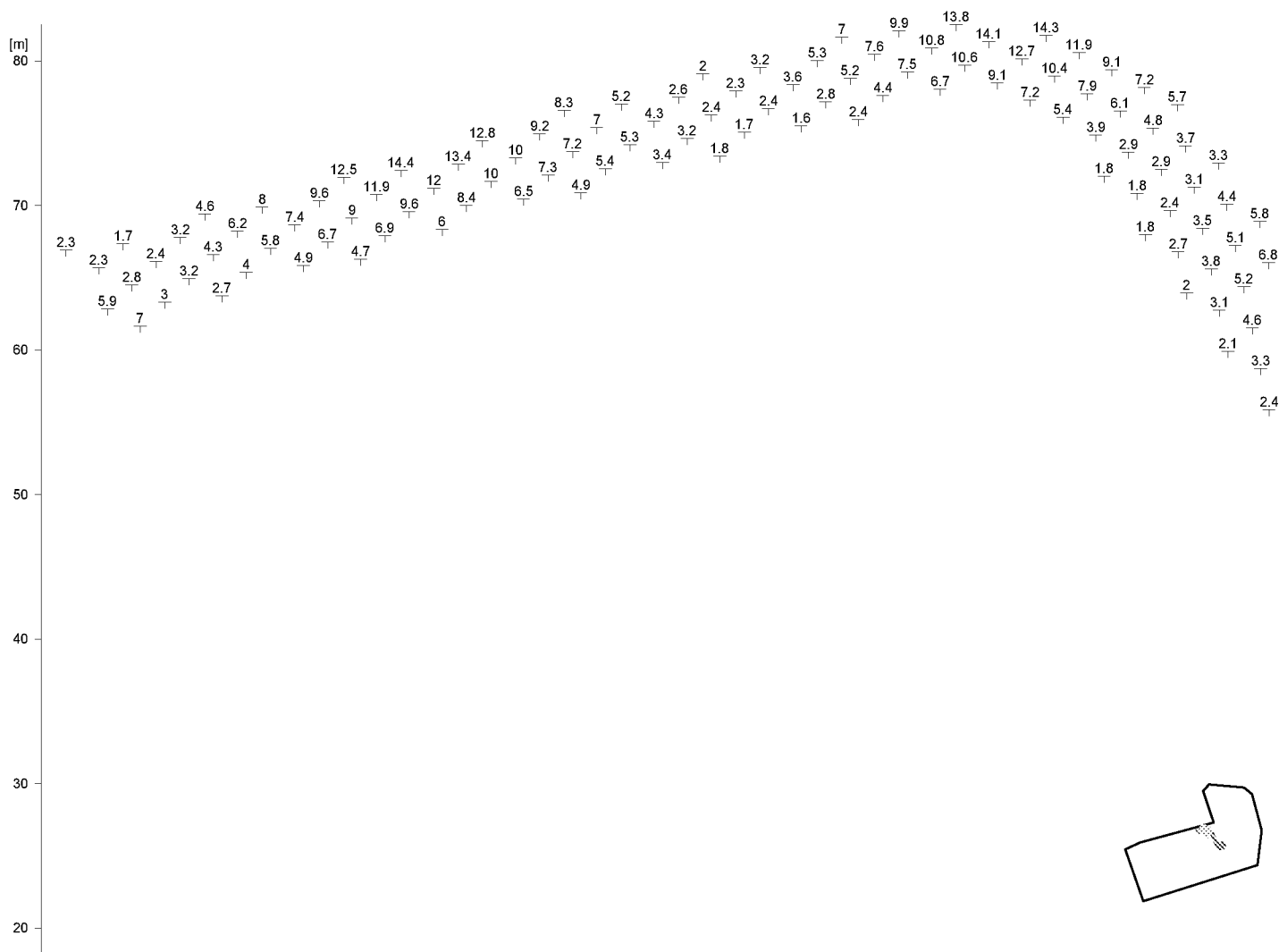
Part5

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



2.3 Calculation results, Exterior 1

2.3.15 Table, North Road 4 (E)



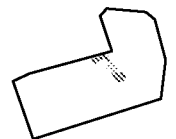
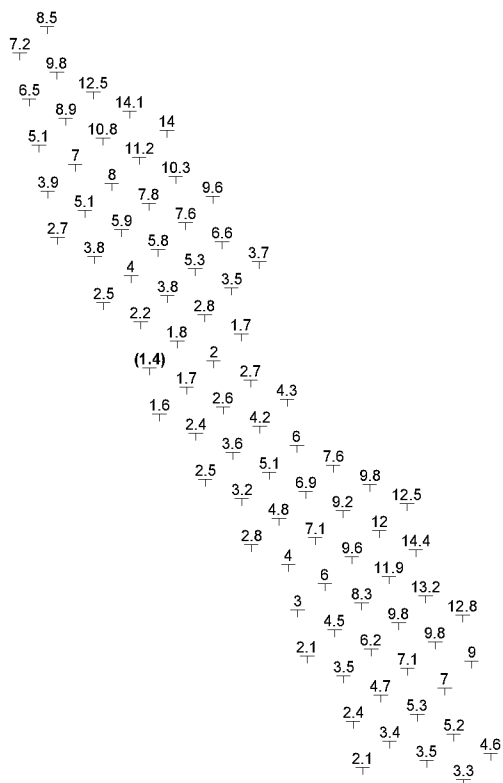
Part1

Height reference plane	: 0.01 m
Average illuminance	Em : 6 lx
Minimum illuminance	Emin : 1.4 lx
Maximum illuminance	Emax : 14.5 lx
Uniformity Uo	Emin/Em : 1 : 4.27 (0.23)
Diversity Ud	Emin/Emax : 1 : 10.34 (0.10)



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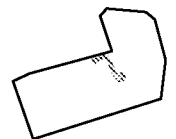
2.3.15 Table, North Road 4 (E)



Part2



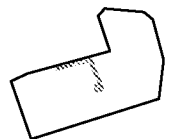
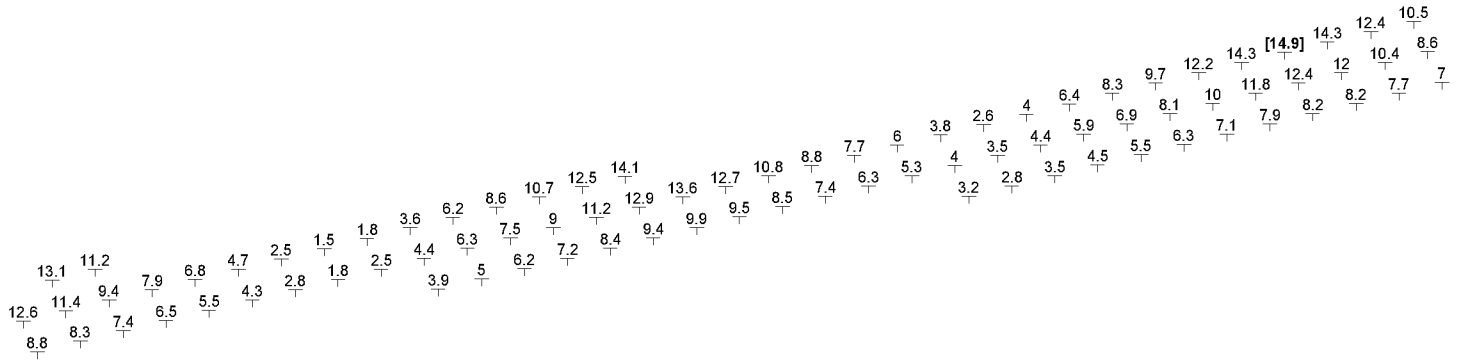
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2.3.16 Table, North Road 5 Part 1 (E)

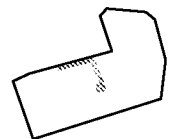
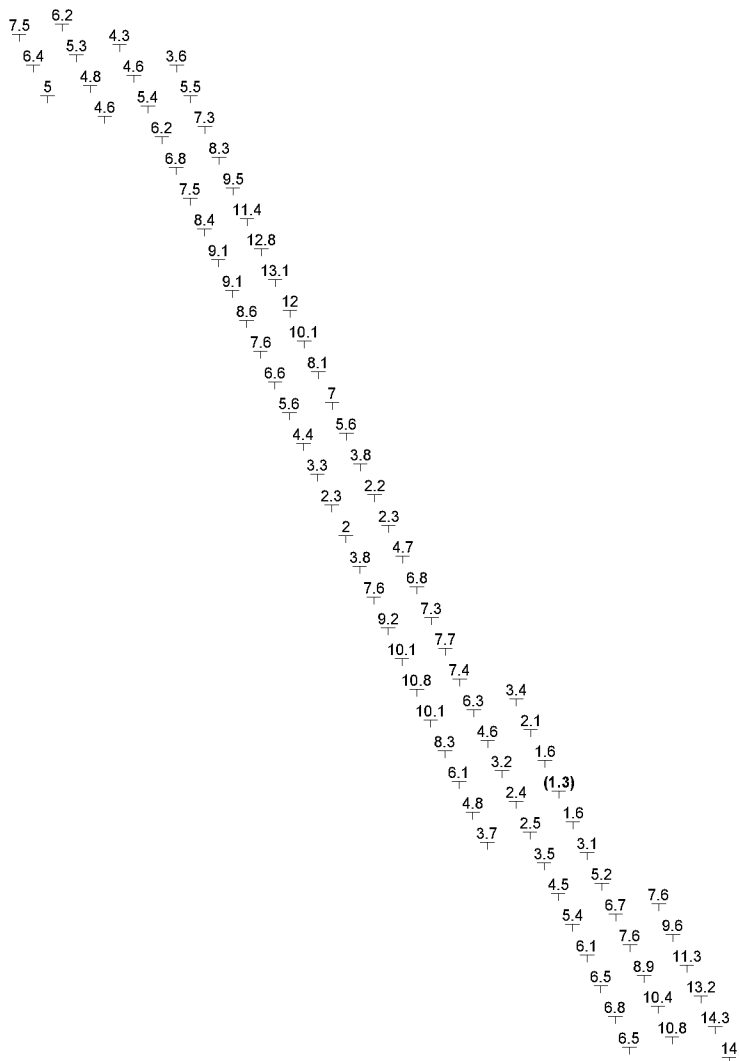


Part2



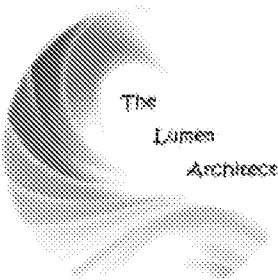
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2.3.16 Table, North Road 5 Part 1 (E)



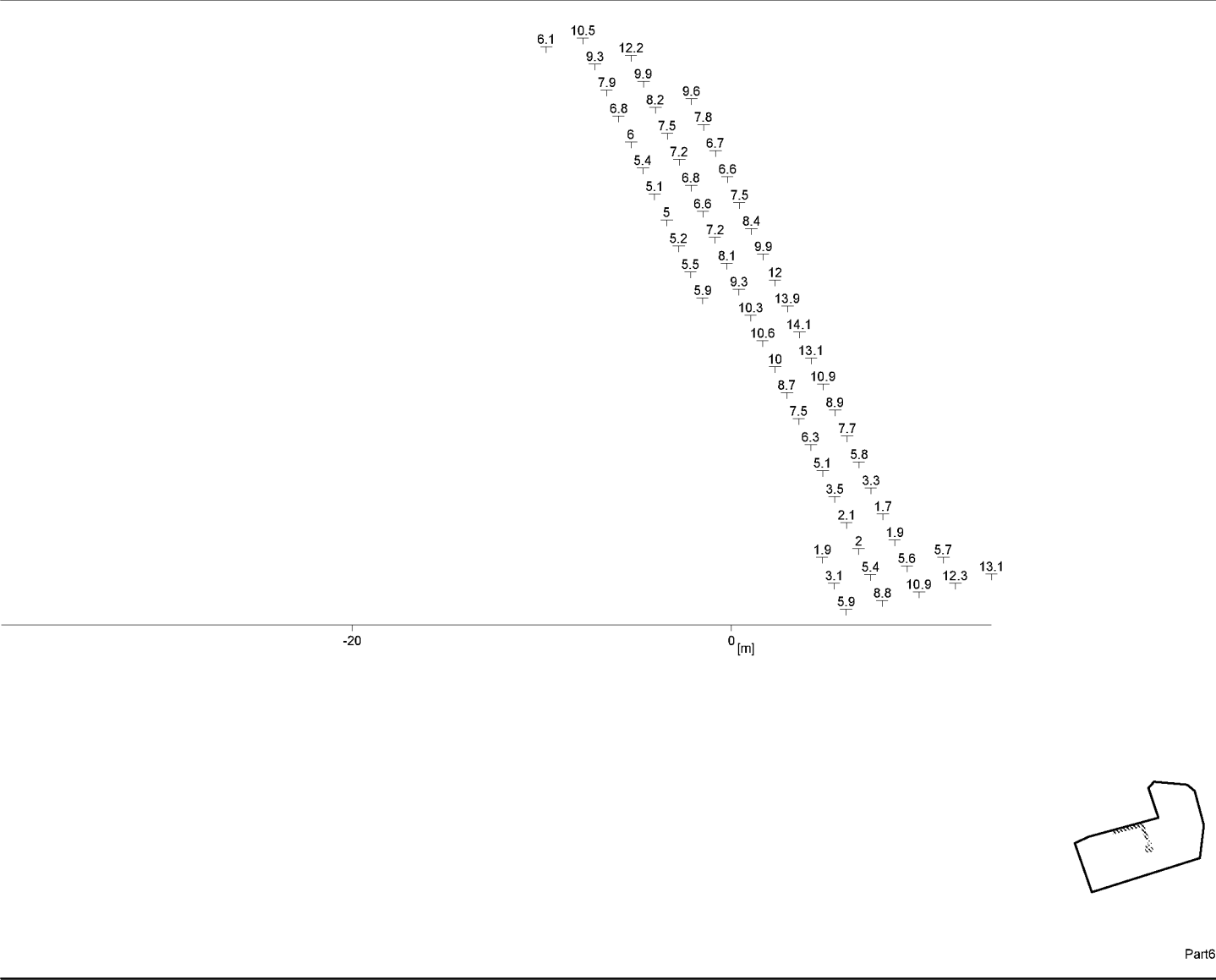
Part3

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021

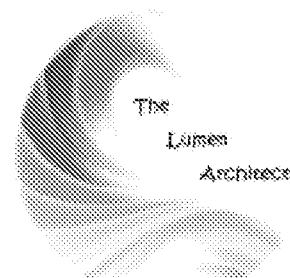


2.3 Calculation results, Exterior 1

2.3.16 Table, North Road 5 Part 1 (E)

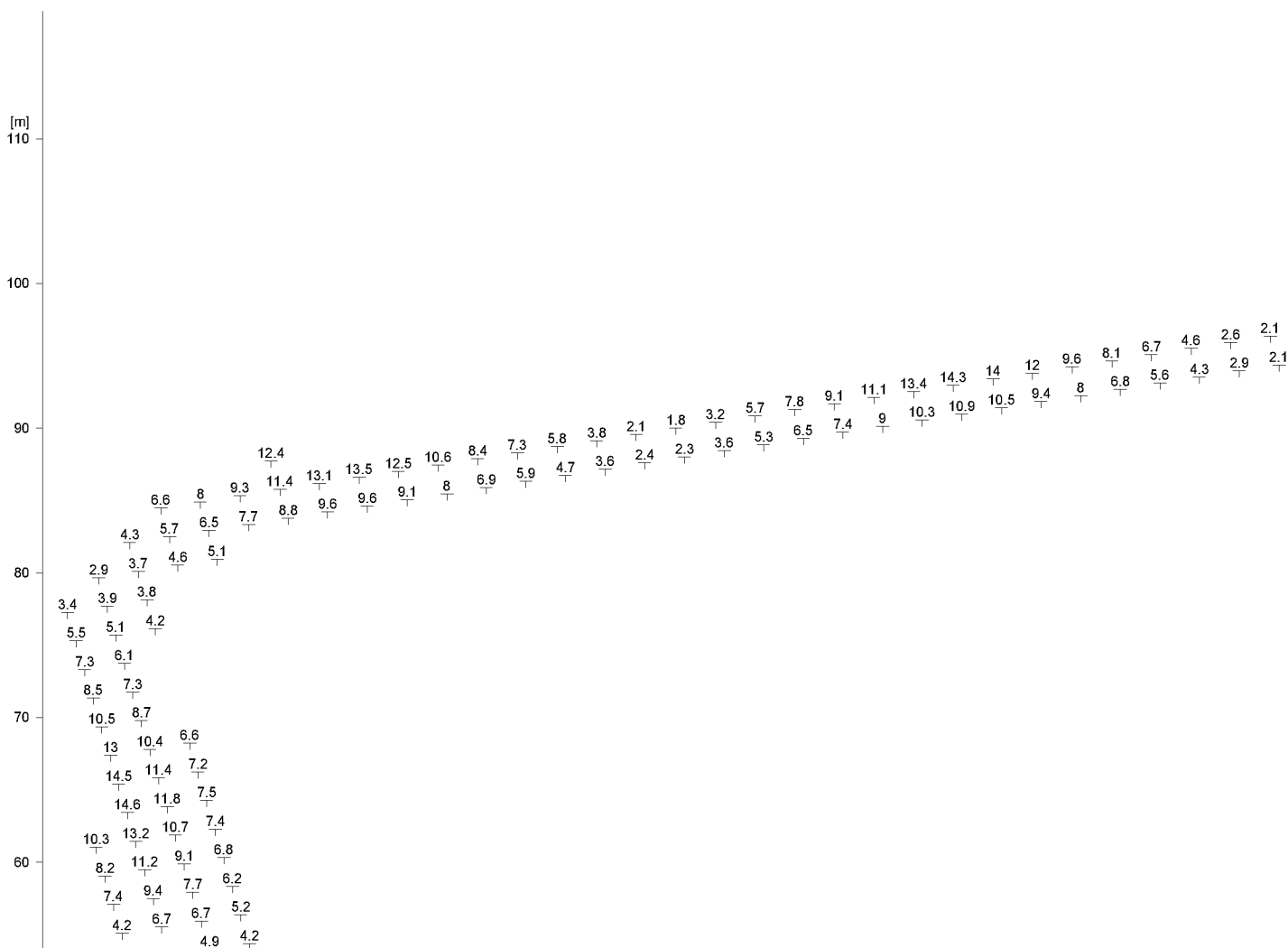


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



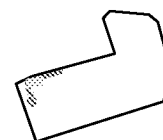
2.3 Calculation results, Exterior 1

2.3.17 Table, North Road 5 Part 2 (E)

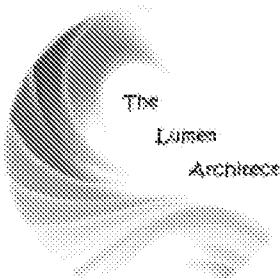


Part1

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 : 6.75 (0.15)
Diversity Ud	Emin/Emax : 1 : 15.78 (0.06)

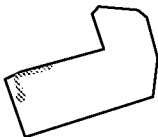
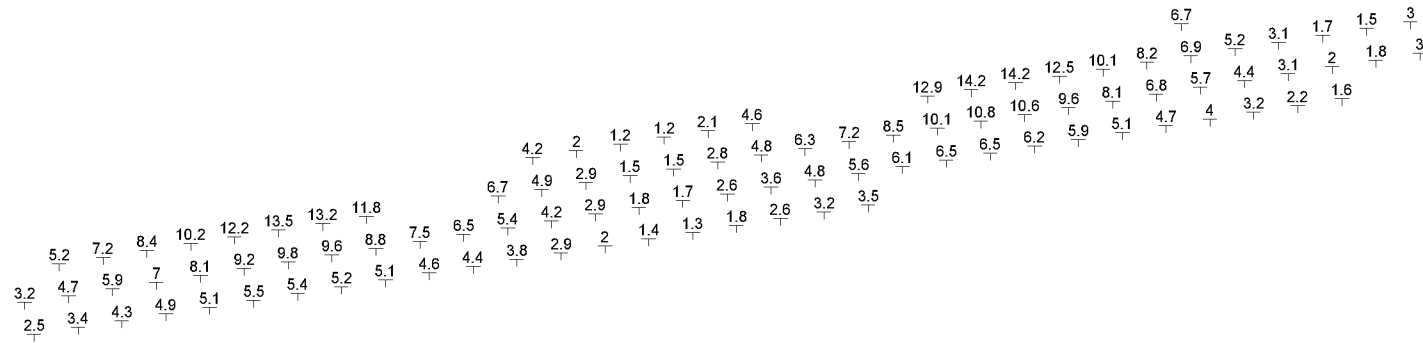


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021

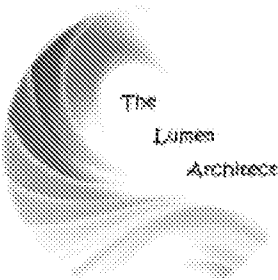


2.3 Calculation results, Exterior 1

2.3.17 Table, North Road 5 Part 2 (E)



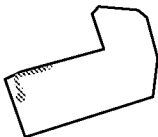
Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



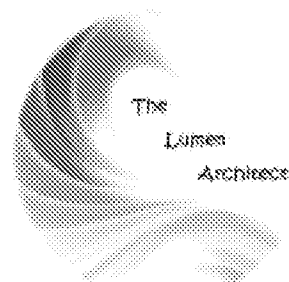
2.3 Calculation results, Exterior 1

2.3.17 Table, North Road 5 Part 2 (E)

			9.9	11.6	13.7	14.7
			+	+	+	+
				9.5	11.1	11.6
				+	+	+
5.3	7.1	8				
+	+	+				
4.5	5.6	6.4	7	7.4		
+	+	+	+	+		

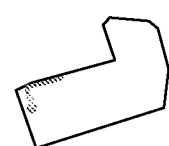
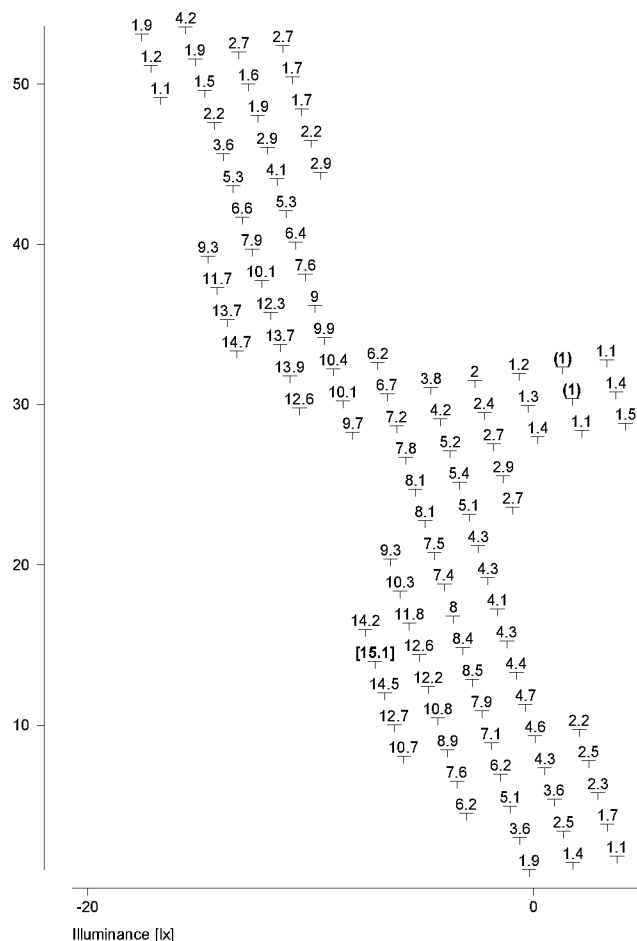


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



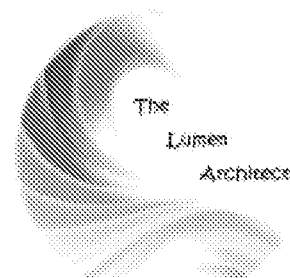
2.3 Calculation results, Exterior 1

2.3.17 Table, North Road 5 Part 2 (E)



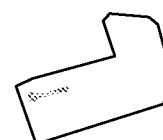
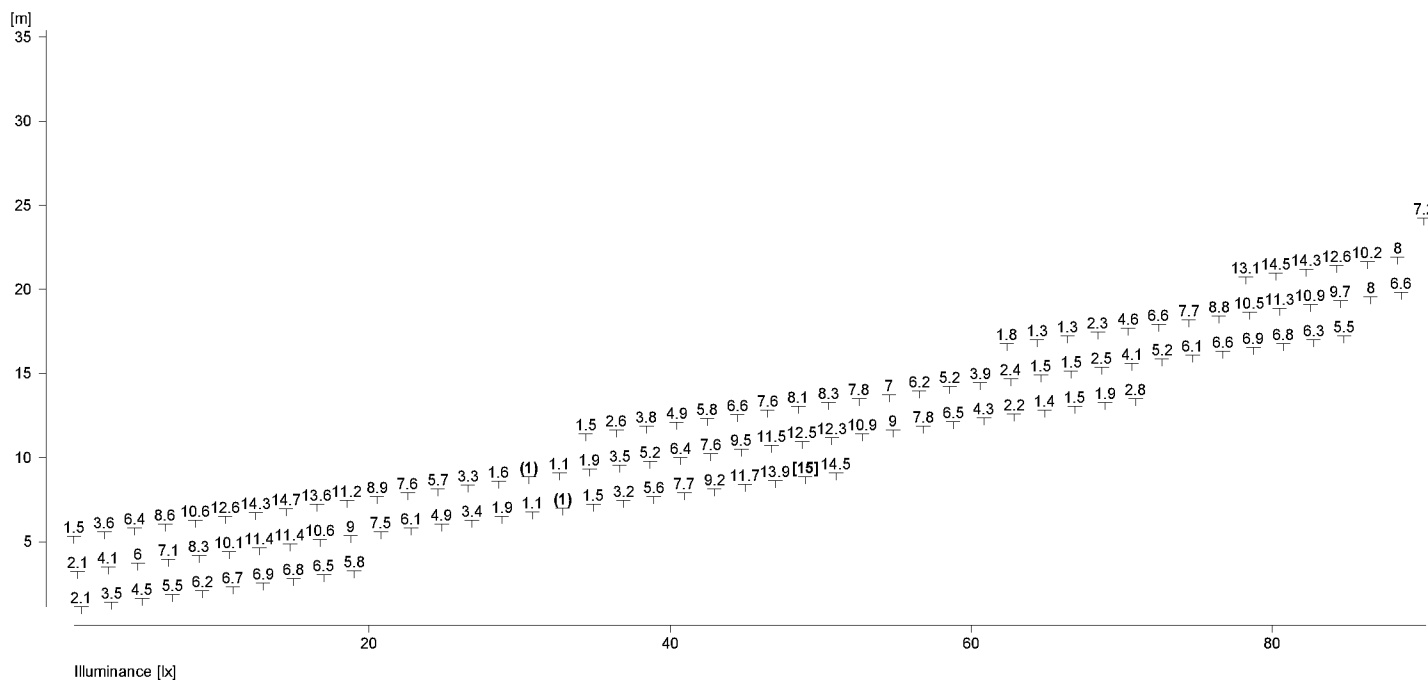
Part4

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



2.3 Calculation results, Exterior 1

2.3.18 Table, North Road 5 Part 3 (E)



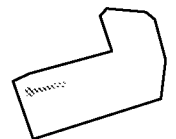
Part1

Height reference plane	: 0.01 m
Average illuminance	Em : 6.4 lx
Minimum illuminance	Emin : 1 lx
Maximum illuminance	Emax : 15 lx
Uniformity Uo	Emin/Em : 1 : 6.38 (0.16)
Diversity Ud	Emin/Emax : 1 : 14.94 (0.07)

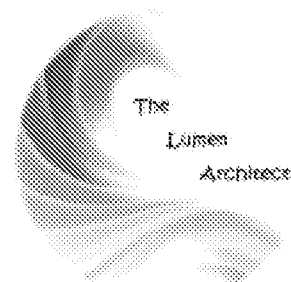


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2.3.18 Table, North Road 5 Part 3 (E)

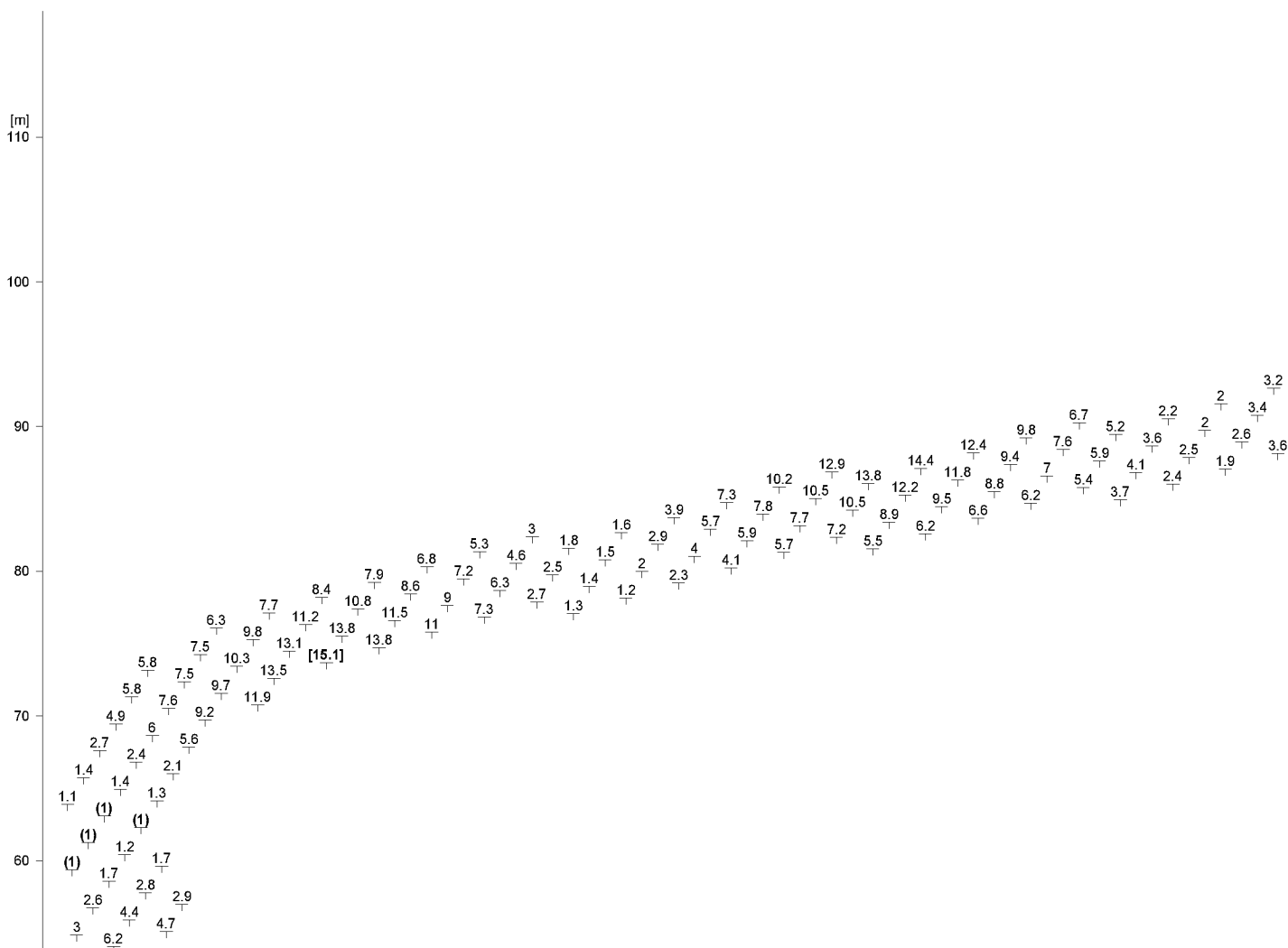


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



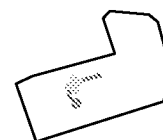
2.3 Calculation results, Exterior 1

2.3.19 Table, North Road 6 (E)



Part1

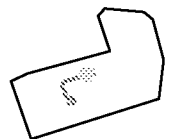
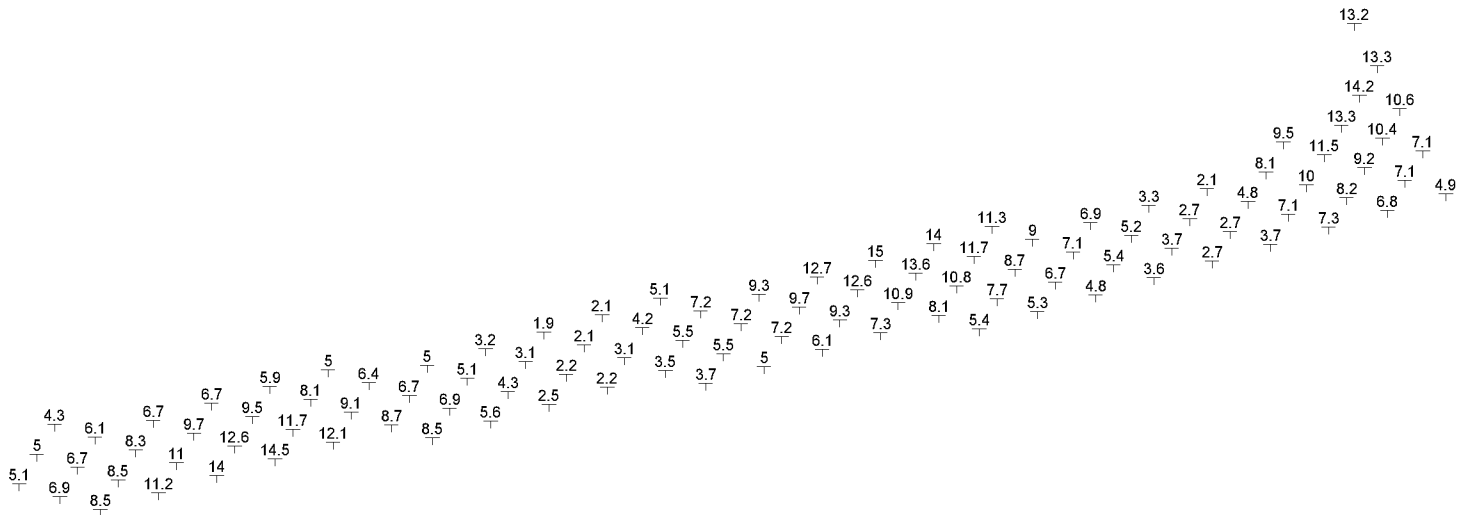
Average illuminance	Em	: 6.5 lx
Minimum illuminance	Emin	: 1 lx
Maximum illuminance	Emax	: 15.1 lx
Uniformity Uo	Emin/Em	: 1 : 6.71 (0.15)
Diversity Ud	Emin/Emax	: 1 : 15.69 (0.06)





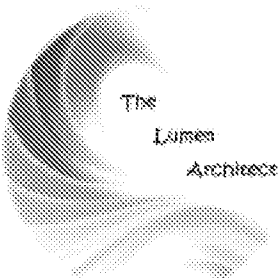
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2.3.19 Table, North Road 6 (E)



Part2

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021

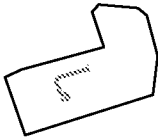


2.3 Calculation results, Exterior 1

2.3.19 Table, North Road 6 (E)



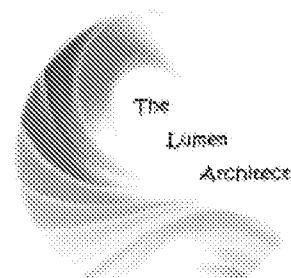
4



Part3

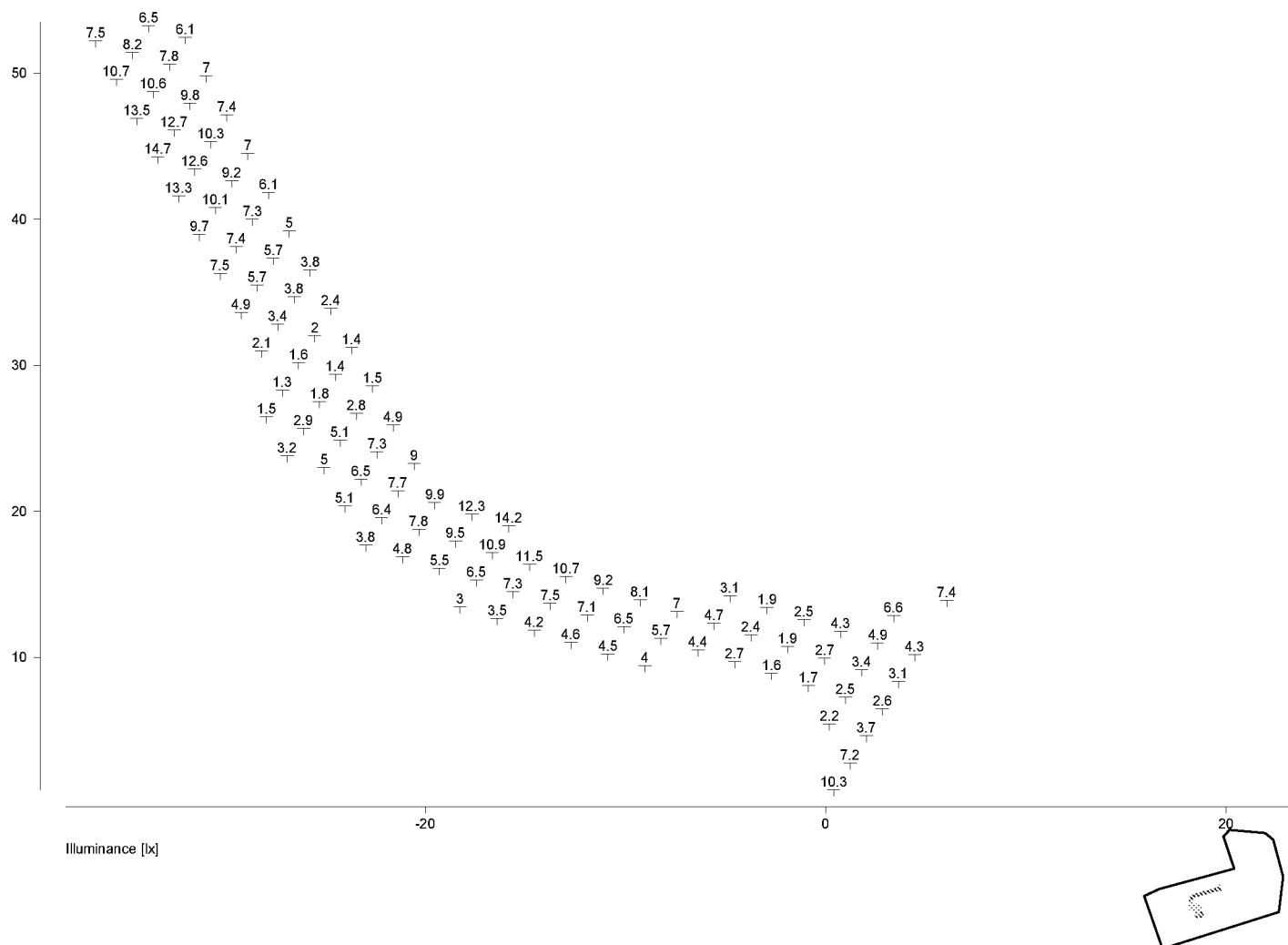


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



2.3 Calculation results, Exterior 1

2.3.19 Table, North Road 6 (E)



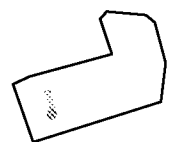
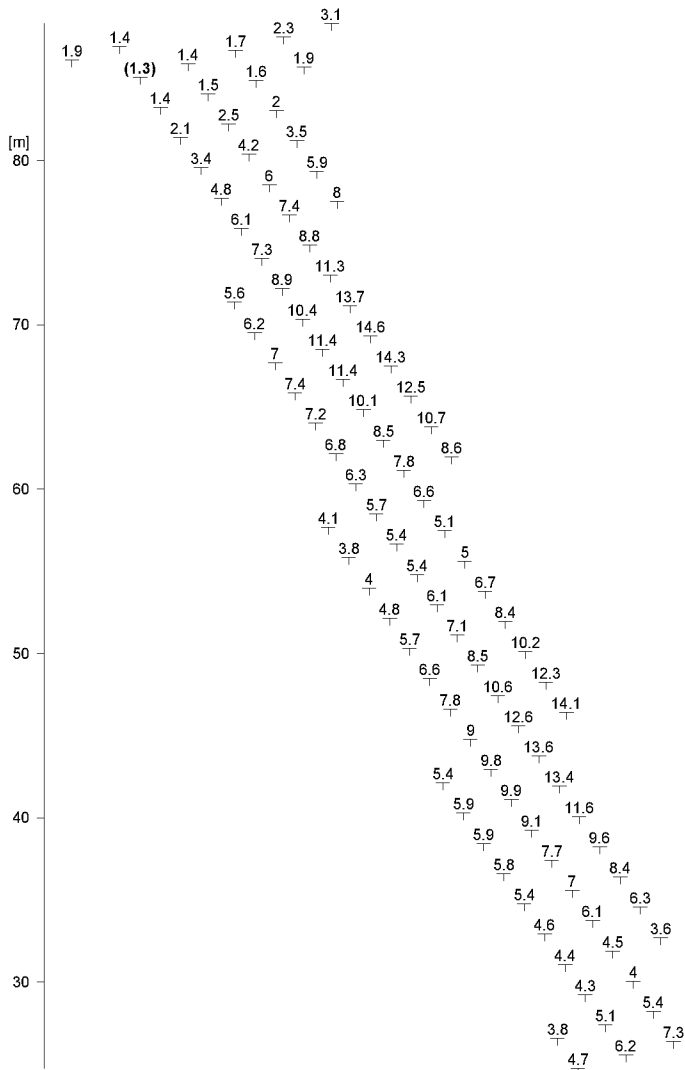
Part4

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



2.3 Calculation results, Exterior 1

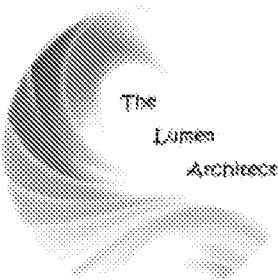
2.3.20 Table, North Road 7 (E)



Part1

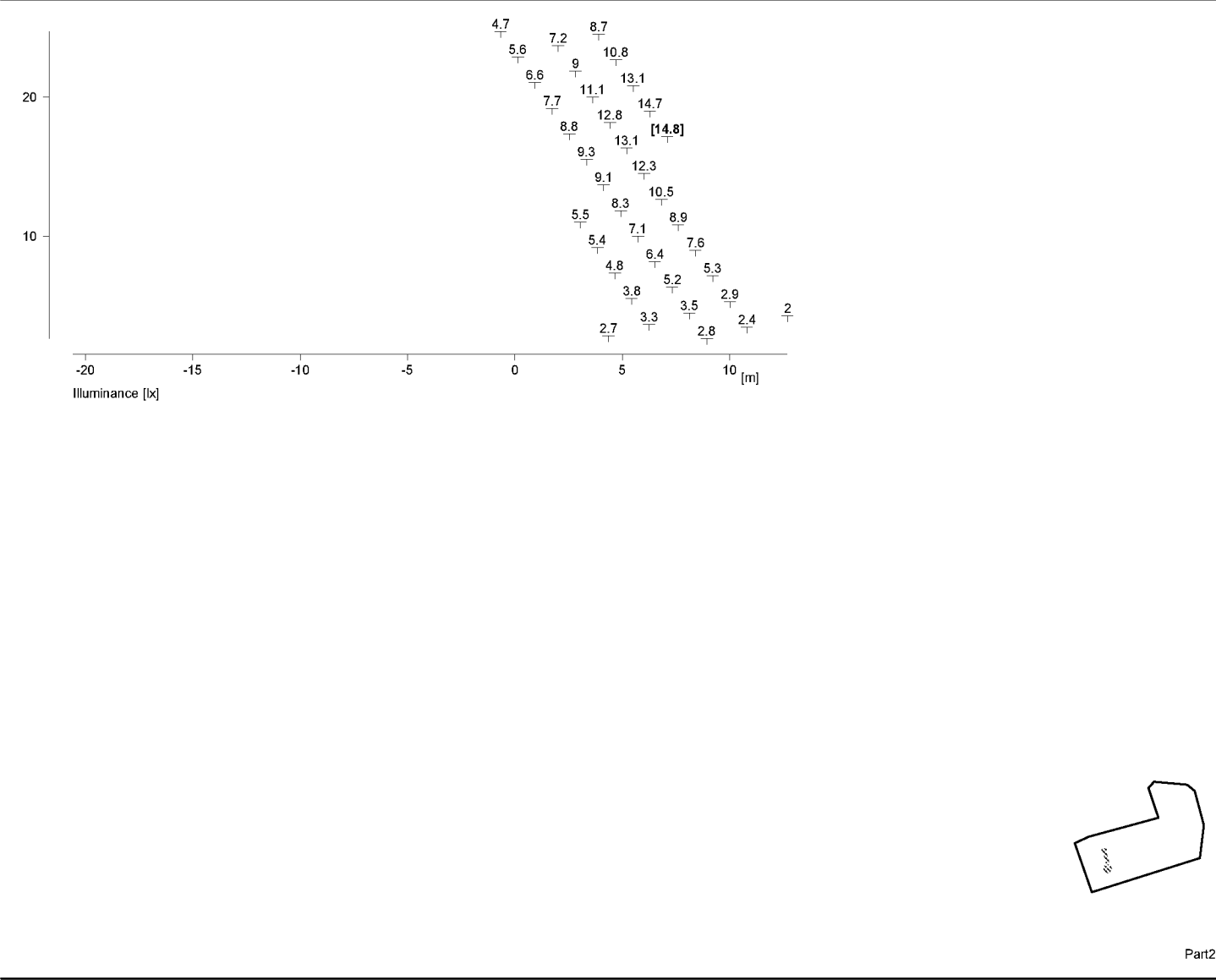
Height reference plane	: 0.01 m
Average illuminance	Em : 7 lx
Minimum illuminance	Emin : 1.3 lx
Maximum illuminance	Emax : 14.8 lx
Uniformity Uo	Emin/Em : 1 : 5.54 (0.18)
Diversity Ud	Emin/Emax : 1 : 11.74 (0.09)

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021

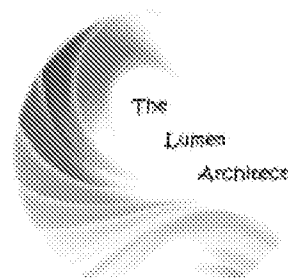


2.3 Calculation results, Exterior 1

2.3.20 Table, North Road 7 (E)

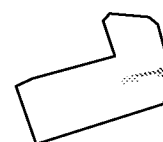
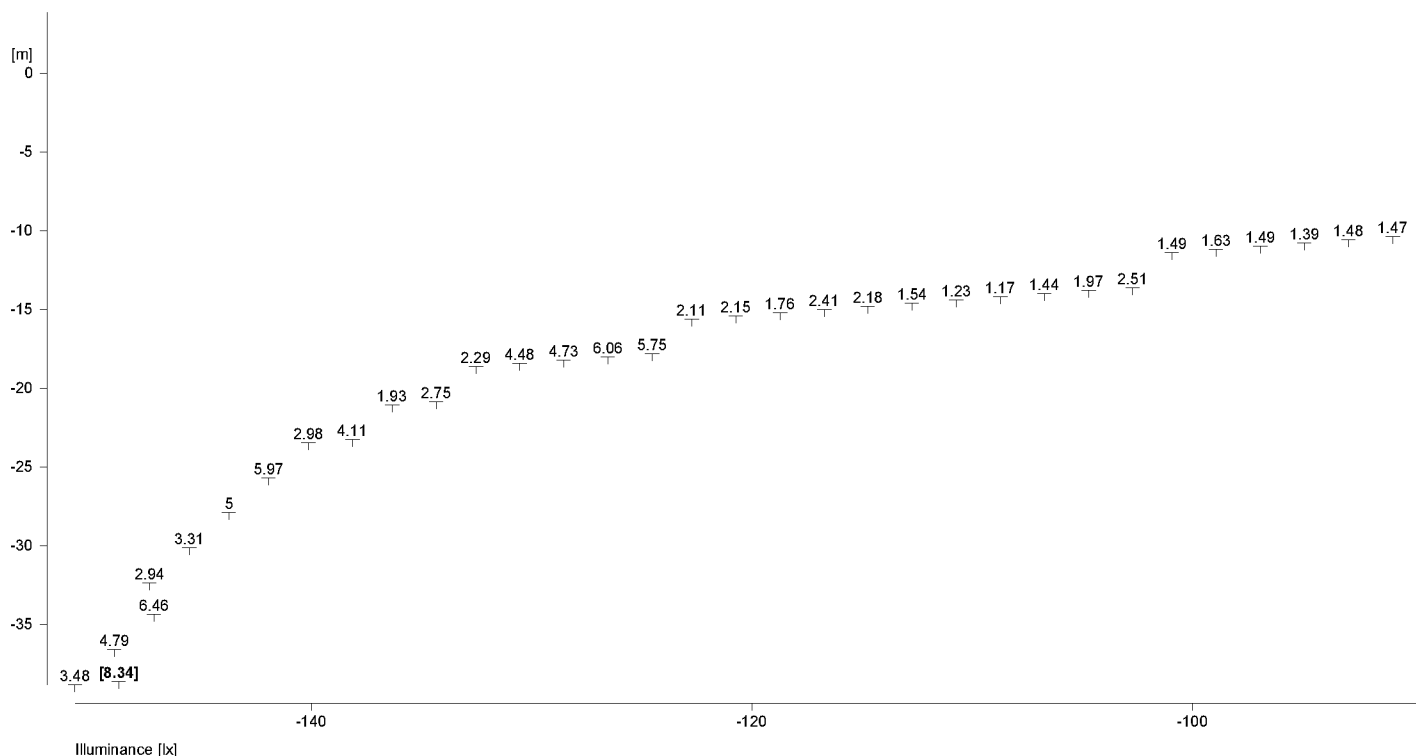


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



2.3 Calculation results, Exterior 1

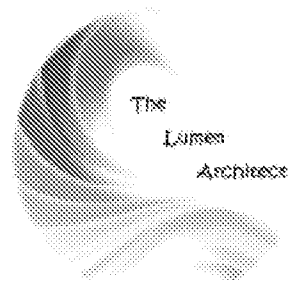
2.3.21 Table, Main Road North Pavement Part 1 (E)



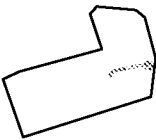
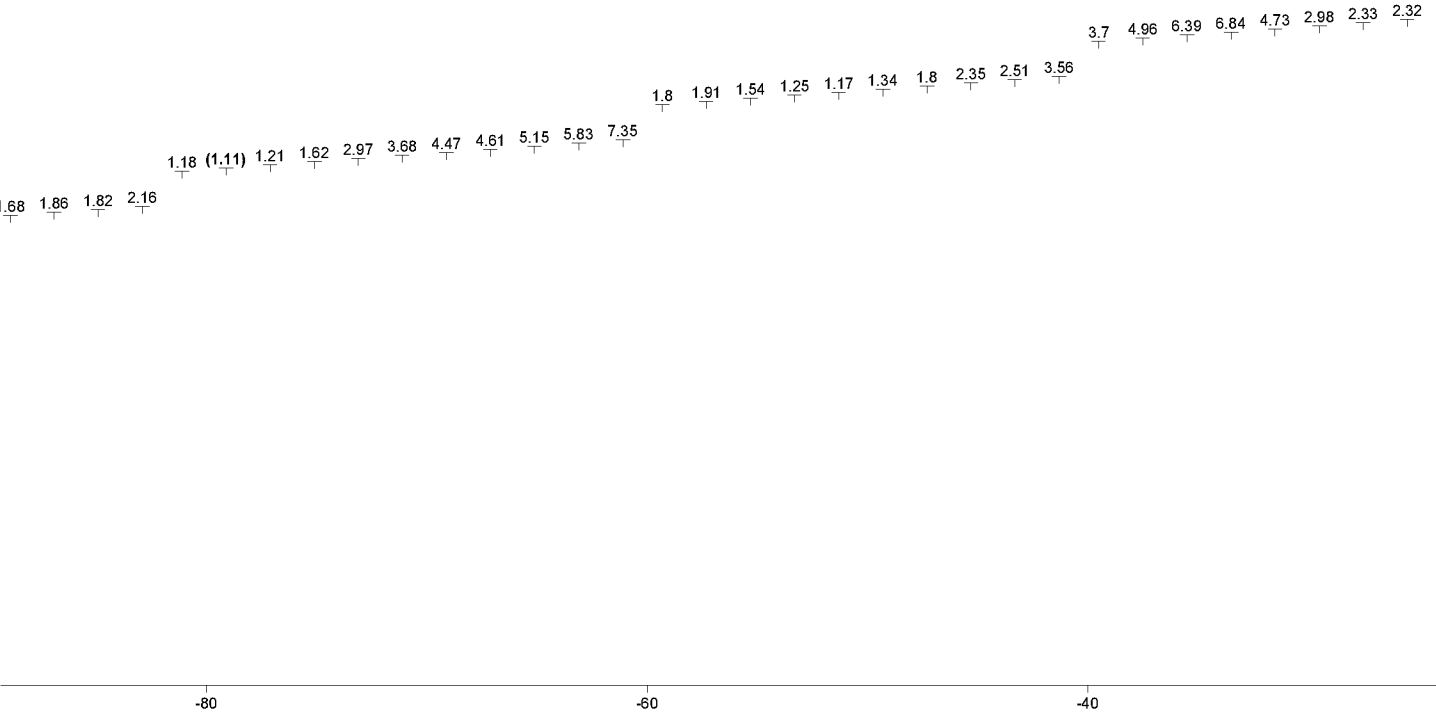
Part1

Height reference plane	: 0.01 m
Average illuminance	Em : 2.99 lx
Minimum illuminance	Emin : 1.11 lx
Maximum illuminance	Emax : 8.34 lx
Uniformity Uo	Emin/Em : 1 : 2.68 (0.37)
Diversity Ud	Emin/Emax : 1 : 7.49 (0.13)

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021

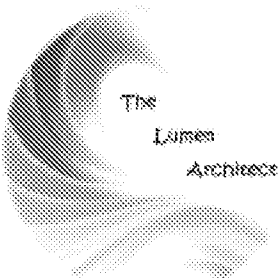


2.3 Calculation results, Exterior 1
2.3.21 Table, Main Road North Pavement Part 1 (E)



Part2

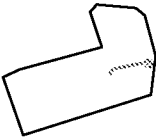
Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



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

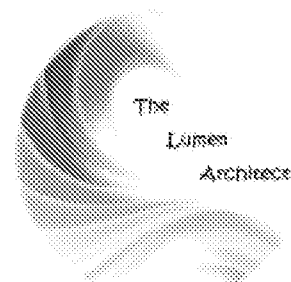
2.01	1.65	1.46	1.53	1.77	2.2	2.02	1.2	5.52	4.56	3.64	3.5
------	------	------	------	------	-----	------	-----	------	------	------	-----

-20 [m]



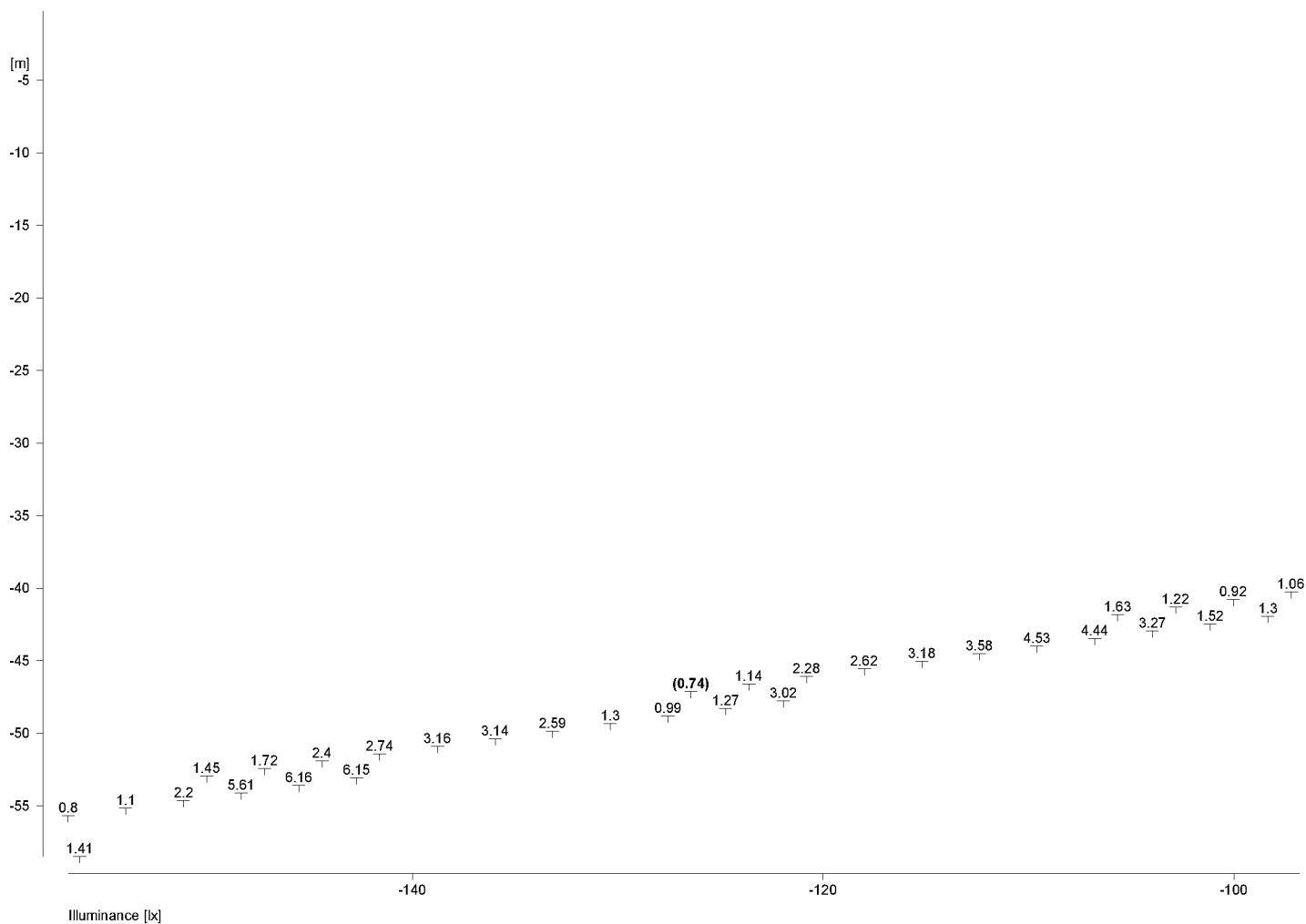
Part3

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



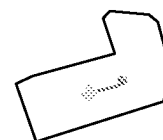
2.3 Calculation results, Exterior 1

2.3.22 Table, Main Road North Pavement Part 2 (E)

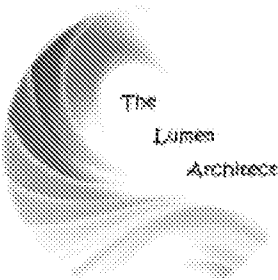


Part1

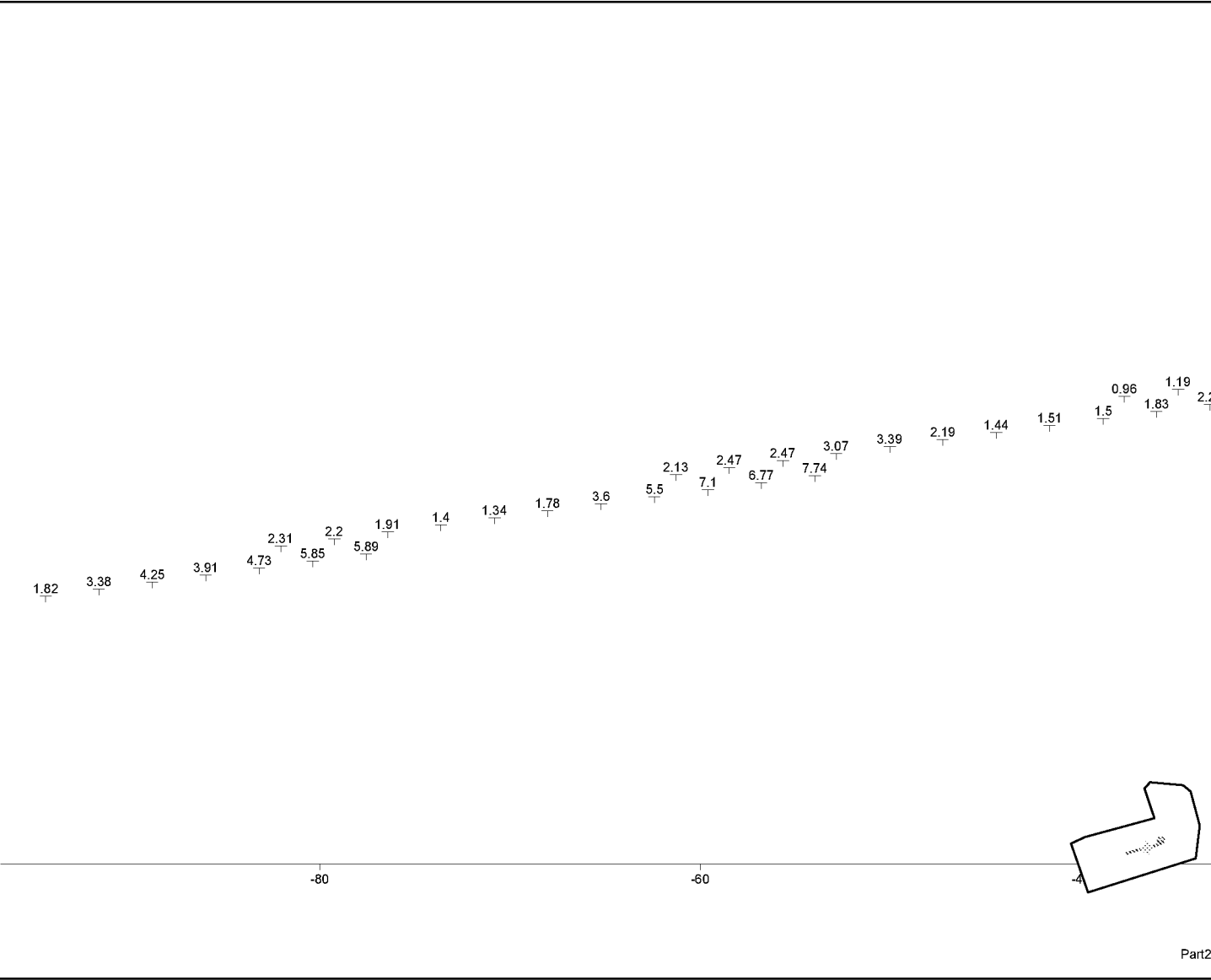
Height reference plane	: 0.01 m
Average illuminance	Em : 2.87 lx
Minimum illuminance	Emin : 0.74 lx
Maximum illuminance	Emax : 8.49 lx
Uniformity Uo	Emin/Em : 1 : 3.86 (0.26)
Diversity Ud	Emin/Emax : 1 : 11.40 (0.09)



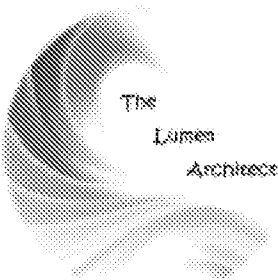
Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



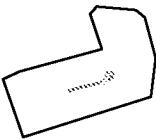
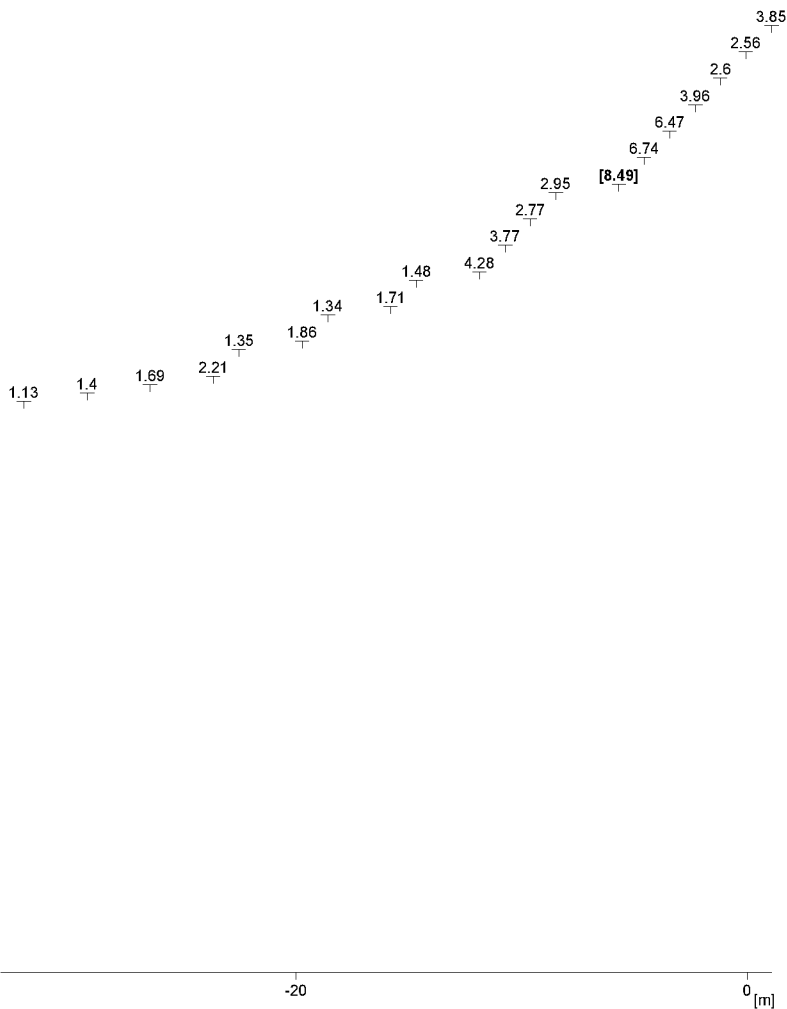
2.3 Calculation results, Exterior 1
2.3.22 Table, Main Road North Pavement Part 2 (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021

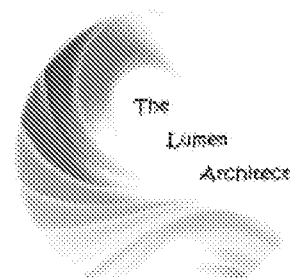


2.3 Calculation results, Exterior 1
2.3.22 Table, Main Road North Pavement Part 2 (E)



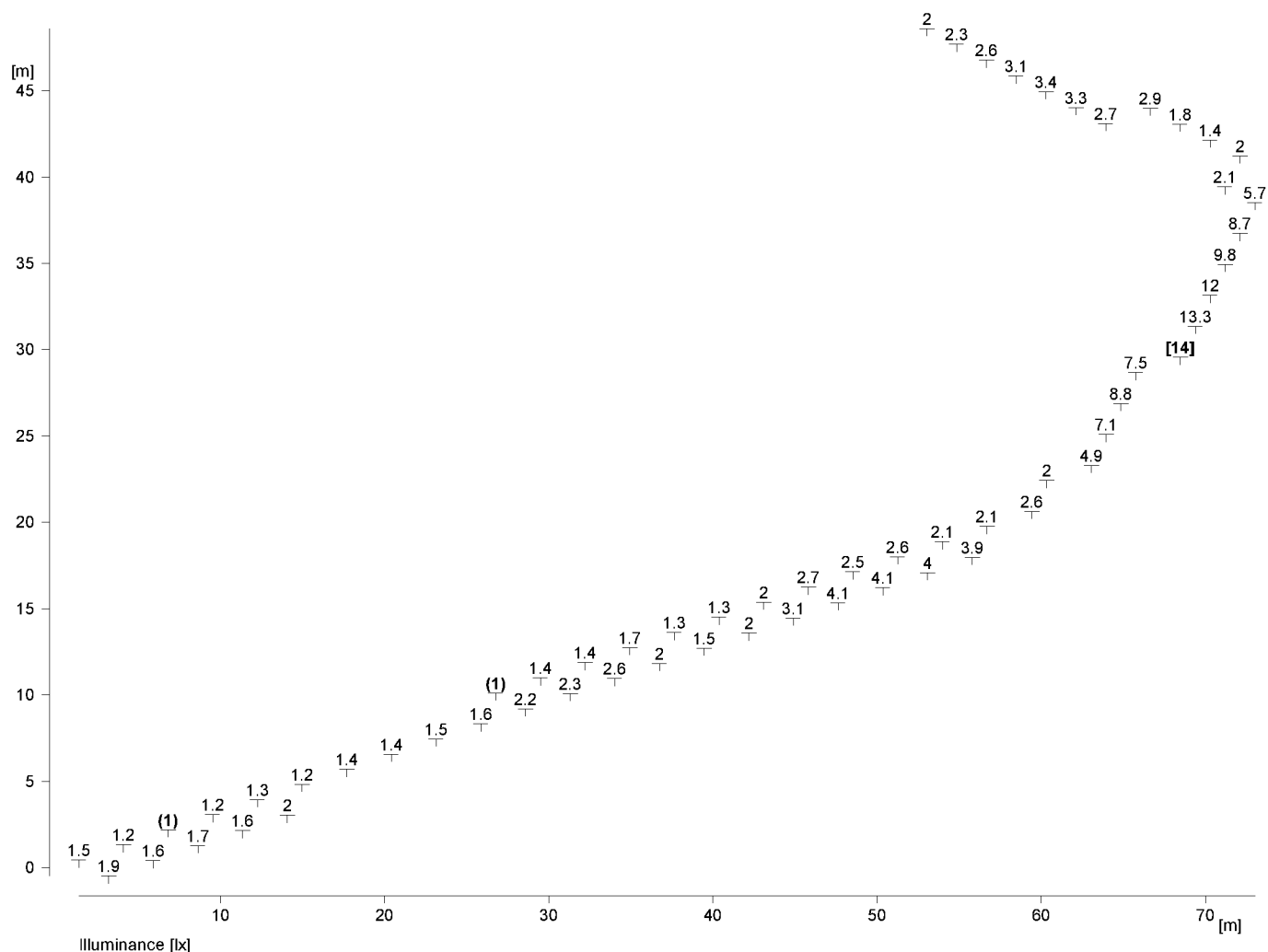
Part3

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021

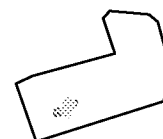


2.3 Calculation results, Exterior 1

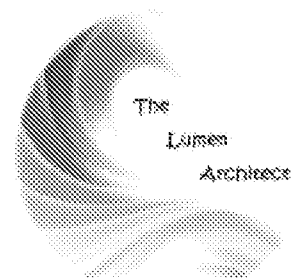
2.3.23 Table, Main Road North Pavement Part 3 (E)



Height reference plane	: 0.01 m
Average illuminance	Em : 3.3 lx
Minimum illuminance	Emin : 1 lx
Maximum illuminance	Emax : 14 lx
Uniformity Uo	Emin/Em : 1 : 3.21 (0.31)
Diversity Ud	Emin/Emax : 1 : 13.80 (0.07)

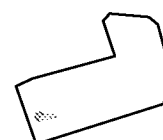
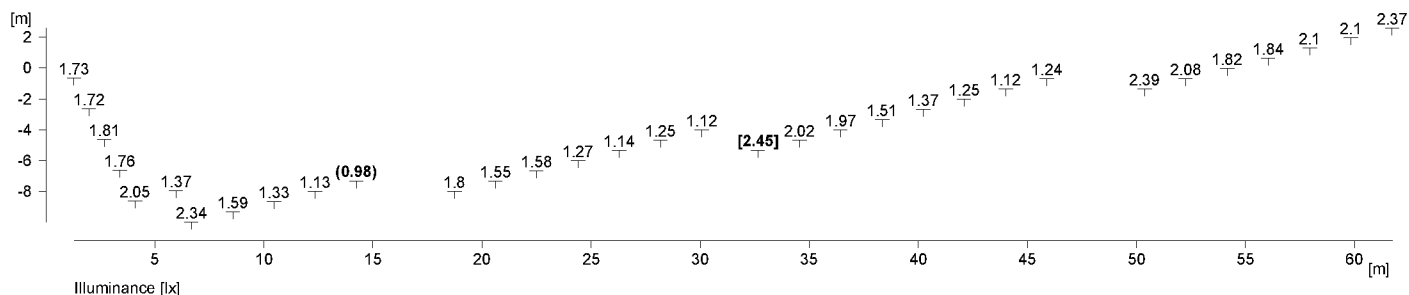


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



2.3 Calculation results, Exterior 1

2.3.24 Table, Main Road North Pavement Part 4 (E)



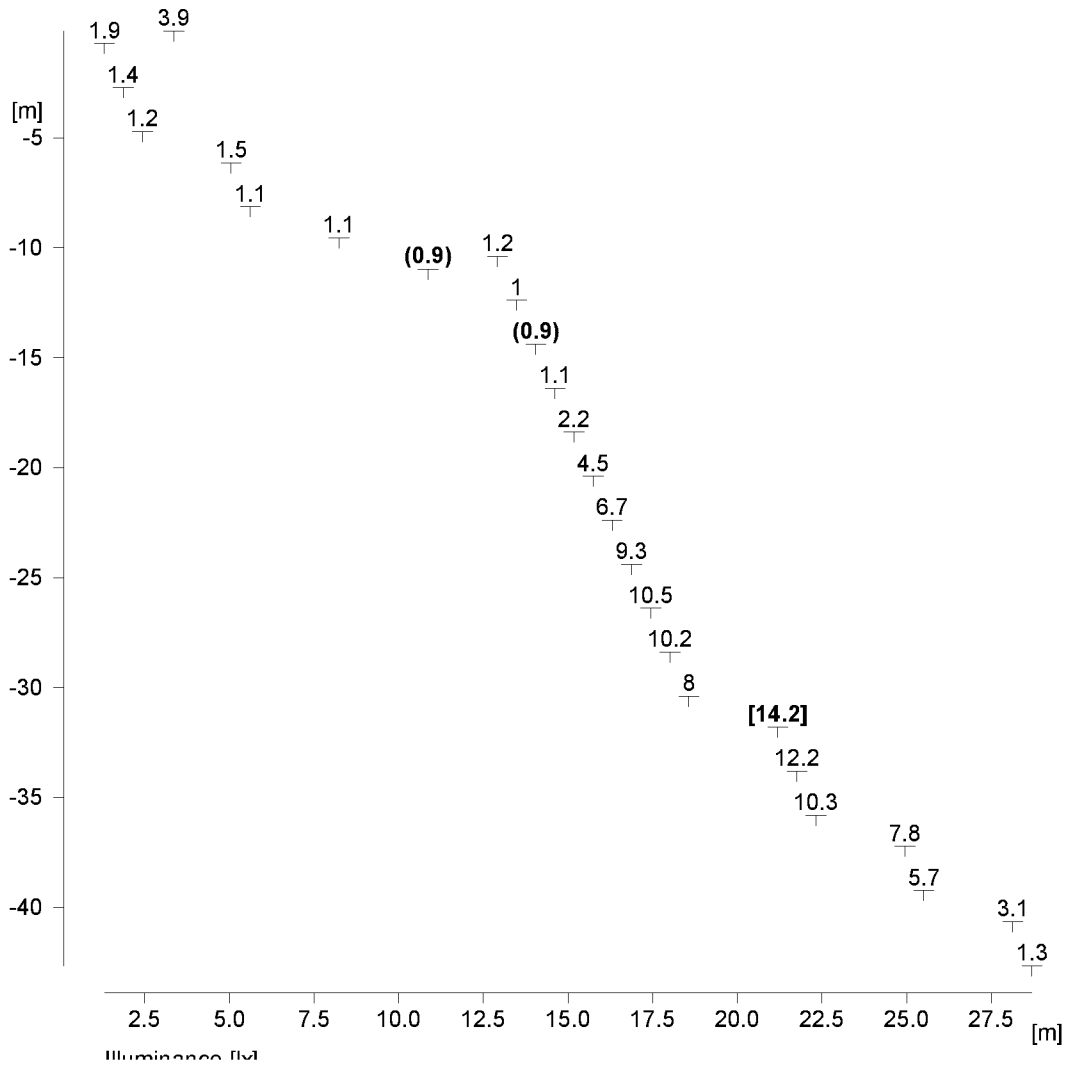
Height reference plane	: 0.01 m
Average illuminance	Em : 1.67 lx
Minimum illuminance	Emin : 0.98 lx
Maximum illuminance	Emax : 2.45 lx
Uniformity Uo	Emin/Em : 1 : 1.71 (0.59)
Diversity Ud	Emin/Emax : 1 : 2.50 (0.40)

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



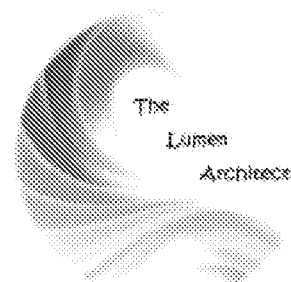
2.3 Calculation results, Exterior 1

2.3.25 Table, North Road 3 Pavement (E)



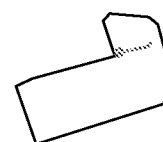
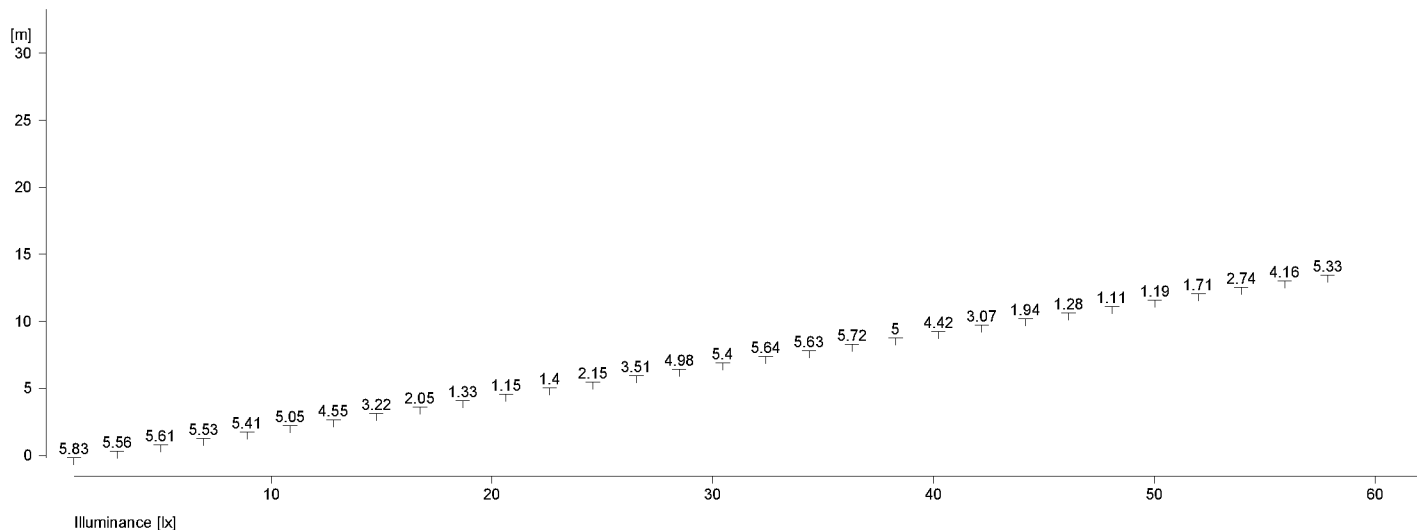
Height reference plane	: 0.01 m
Average illuminance	Em : 4.7 lx
Minimum illuminance	Emin : 0.9 lx
Maximum illuminance	Emax : 14.2 lx
Uniformity Uo	Emin/Em : 1 : 5.32 (0.19)
Diversity Ud	Emin/Emax : 1 : 15.90 (0.06)

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



2.3 Calculation results, Exterior 1

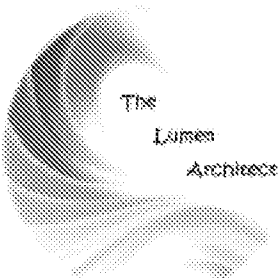
2.3.26 Table, North Road 3 North Pavement (E)



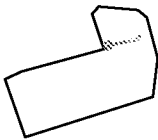
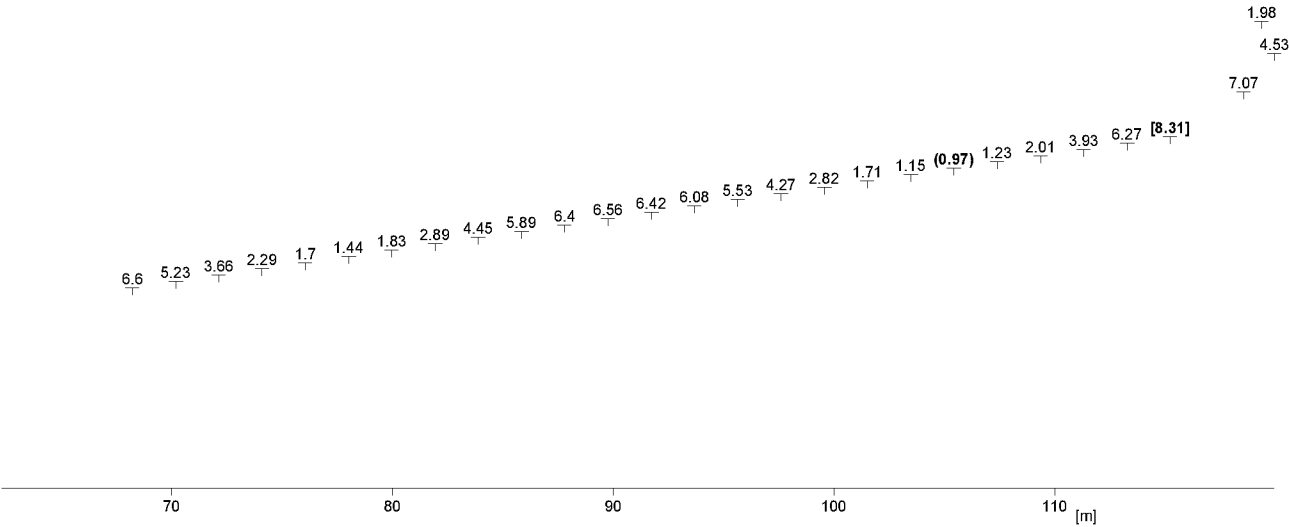
Part1

Height reference plane	: 0.01 m
Average illuminance	Em : 3.88 lx
Minimum illuminance	Emin : 0.97 lx
Maximum illuminance	Emax : 8.31 lx
Uniformity Uo	Emin/Em : 1 : 3.99 (0.25)
Diversity Ud	Emin/Emax : 1 : 8.56 (0.12)

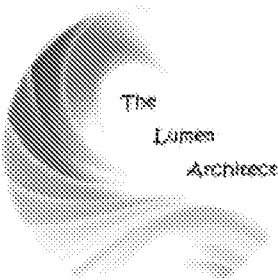
Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



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



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021

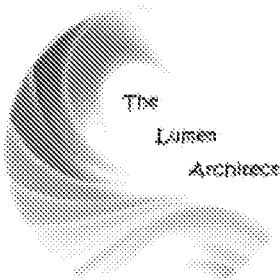


2.3 Calculation results, Exterior 1
2.3.27 Table, North Road 3 South Pavement (E)

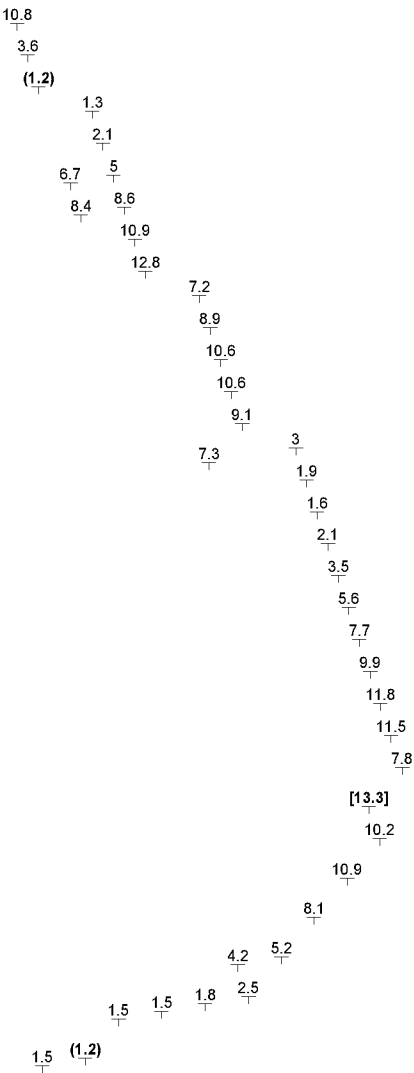


Height reference plane		: 0.01 m
Average illuminance	Em	: 5.2 lx
Minimum illuminance	Emin	: 1.2 lx
Maximum illuminance	Emax	: 13.3 lx
Uniformity Uo	Emin/Em	: 1 : 4.55 (0.22)
Diversity Ud	Emin/Emax	: 1 : 11.59 (0.09)

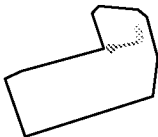
Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



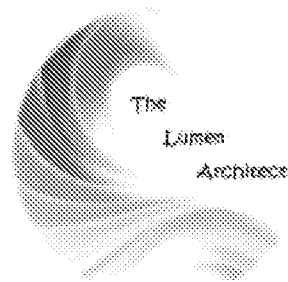
2.3 Calculation results, Exterior 1
2.3.27 Table, North Road 3 South Pavement (E)



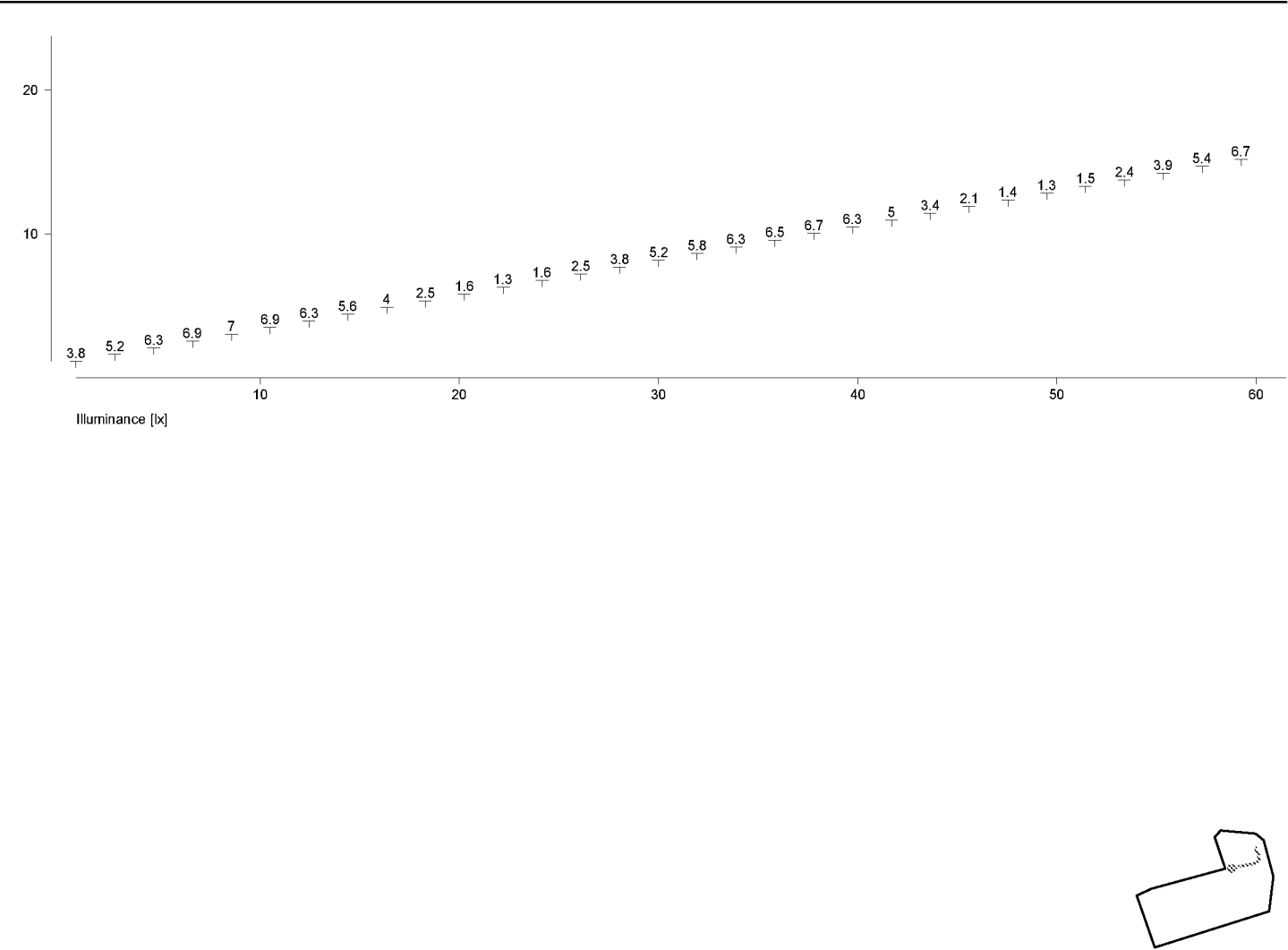
Part2



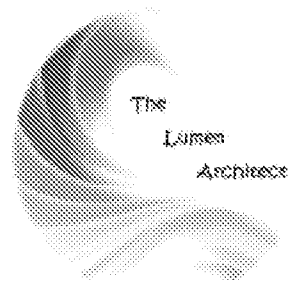
Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



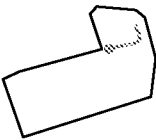
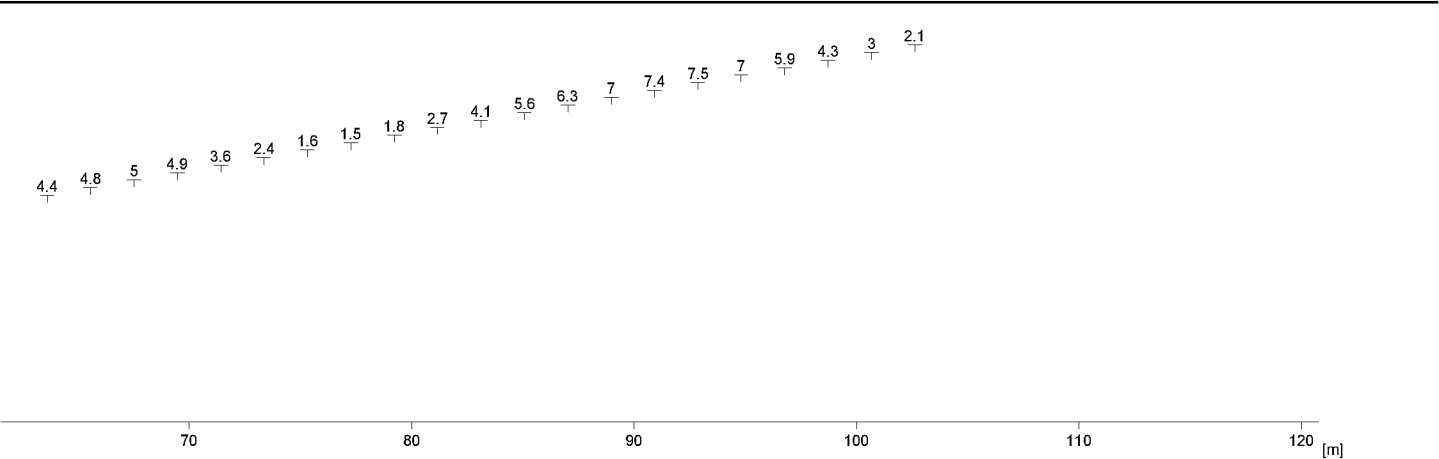
2.3 Calculation results, Exterior 1
2.3.27 Table, North Road 3 South Pavement (E)



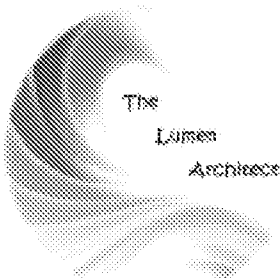
Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



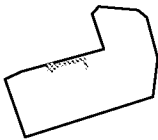
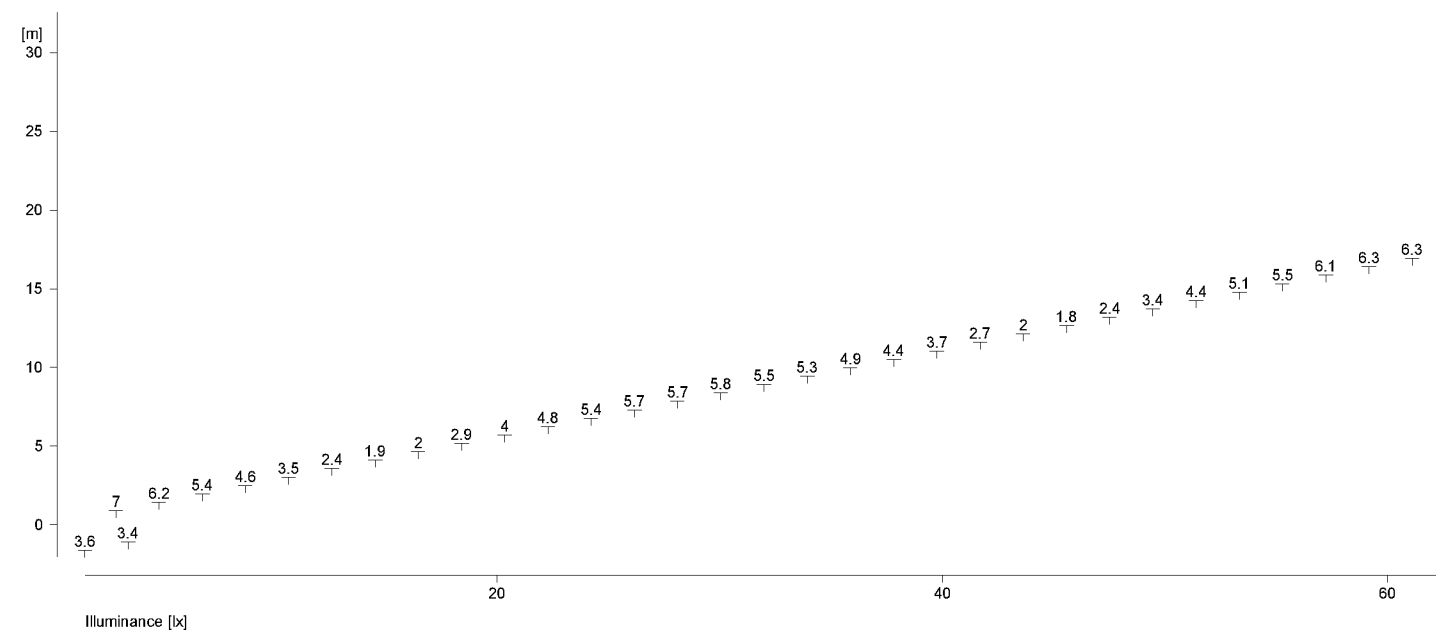
2.3 Calculation results, Exterior 1
2.3.27 Table, North Road 3 South Pavement (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



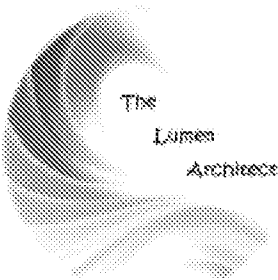
2.3 Calculation results, Exterior 1
2.3.28 Table, North Road 5 Pavement Part 1 (E)



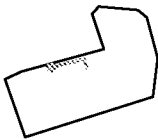
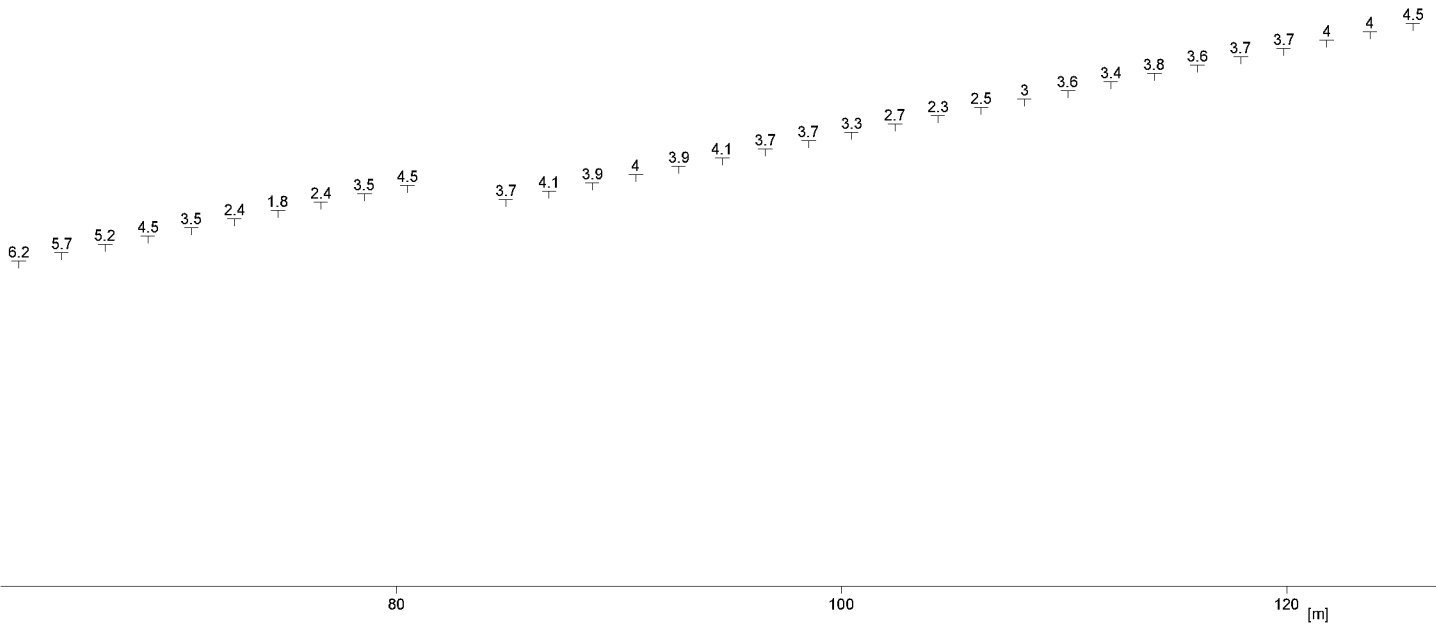
Part1

Height reference plane	: 0.01 m
Average illuminance	Em : 4 lx
Minimum illuminance	Emin : 1.4 lx
Maximum illuminance	Emax : 11.1 lx
Uniformity Uo	Emin/Em : 1 : 2.85 (0.35)
Diversity Ud	Emin/Emax : 1 : 7.84 (0.13)

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021

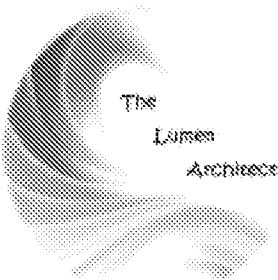


2.3 Calculation results, Exterior 1
2.3.28 Table, North Road 5 Pavement Part 1 (E)

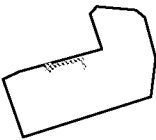


Part2

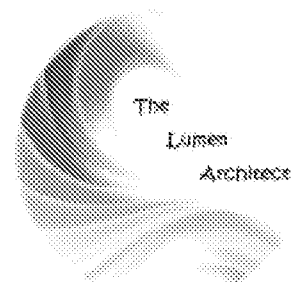
Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



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

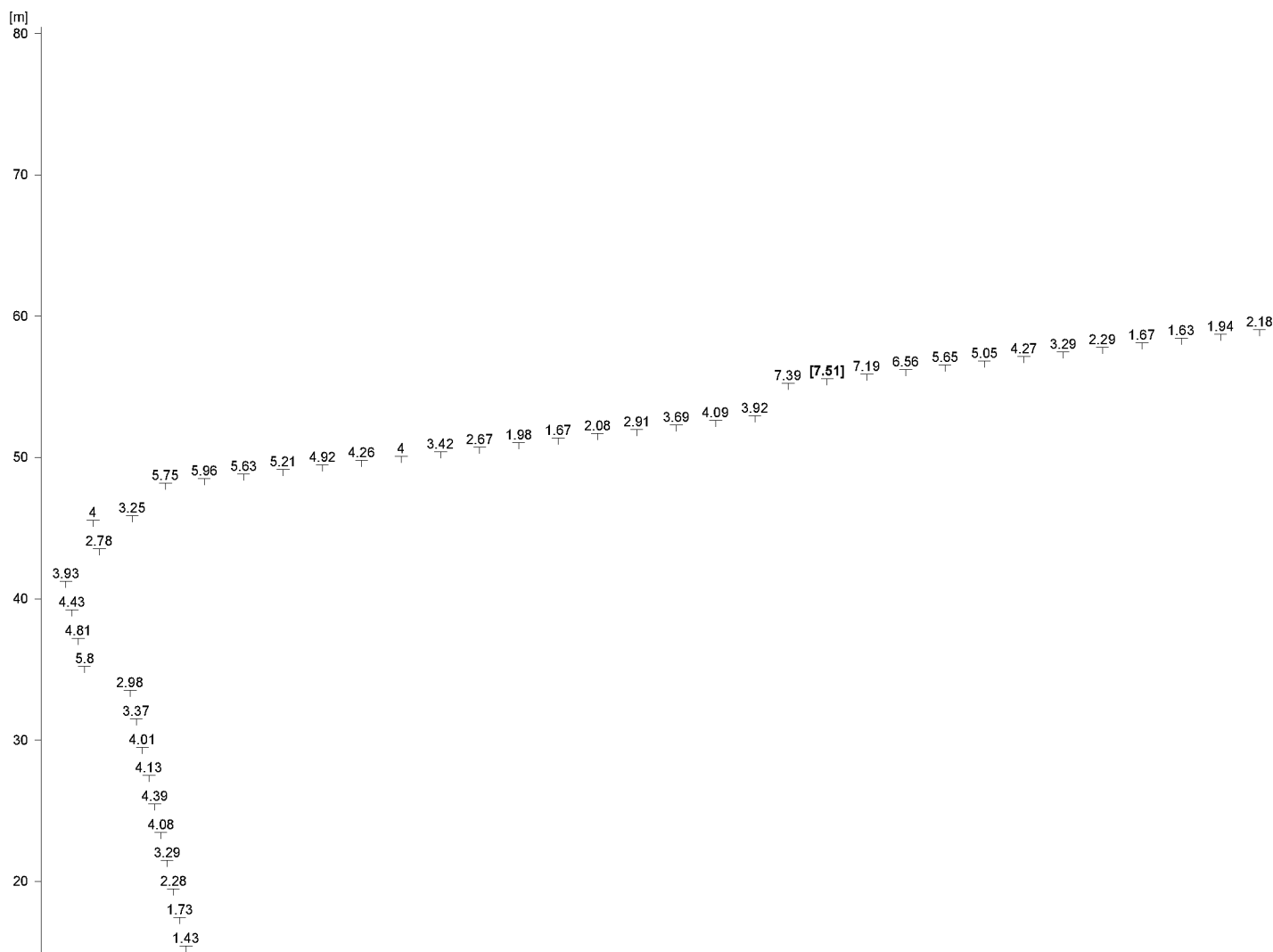


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



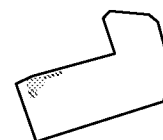
2.3 Calculation results, Exterior 1

2.3.29 Table, North Road 5 Pavement Part 2 (E)

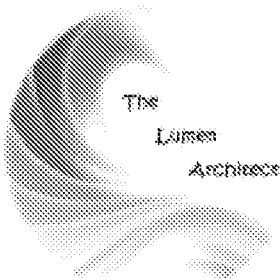


Part1

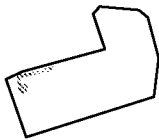
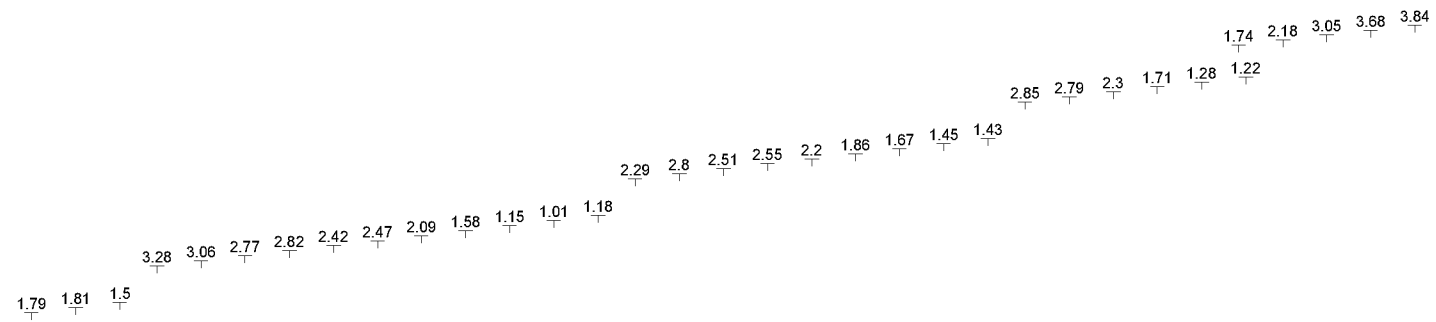
Height reference plane	: 0.01 m
Average illuminance	Em : 3.15 lx
Minimum illuminance	Emin : 0.77 lx
Maximum illuminance	Emax : 7.51 lx
Uniformity Uo	Emin/Em : 1 : 4.10 (0.24)
Diversity Ud	Emin/Emax : 1 : 9.78 (0.10)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021

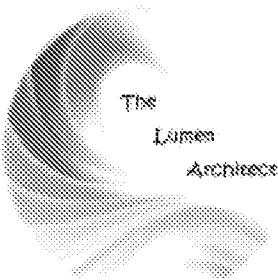


2.3 Calculation results, Exterior 1
2.3.29 Table, North Road 5 Pavement Part 2 (E)



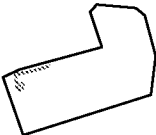
Part2

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



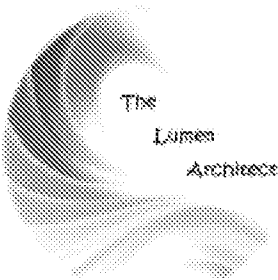
2.3 Calculation results, Exterior 1
2.3.29 Table, North Road 5 Pavement Part 2 (E)

6.34 6.34 5.76

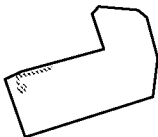
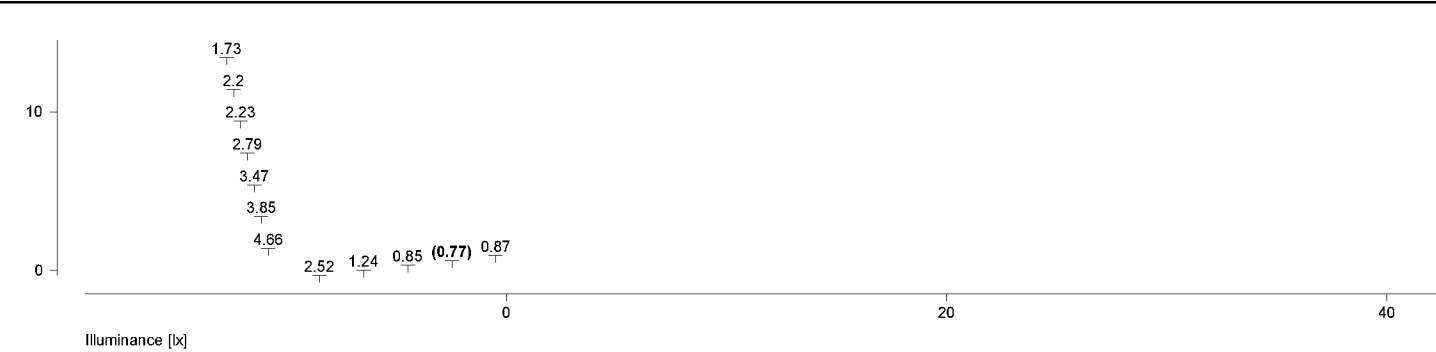


Part3

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021

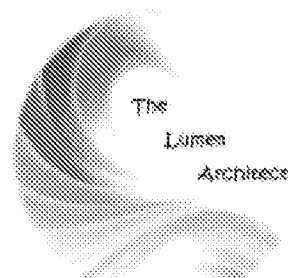


2.3 Calculation results, Exterior 1
2.3.29 Table, North Road 5 Pavement Part 2 (E)



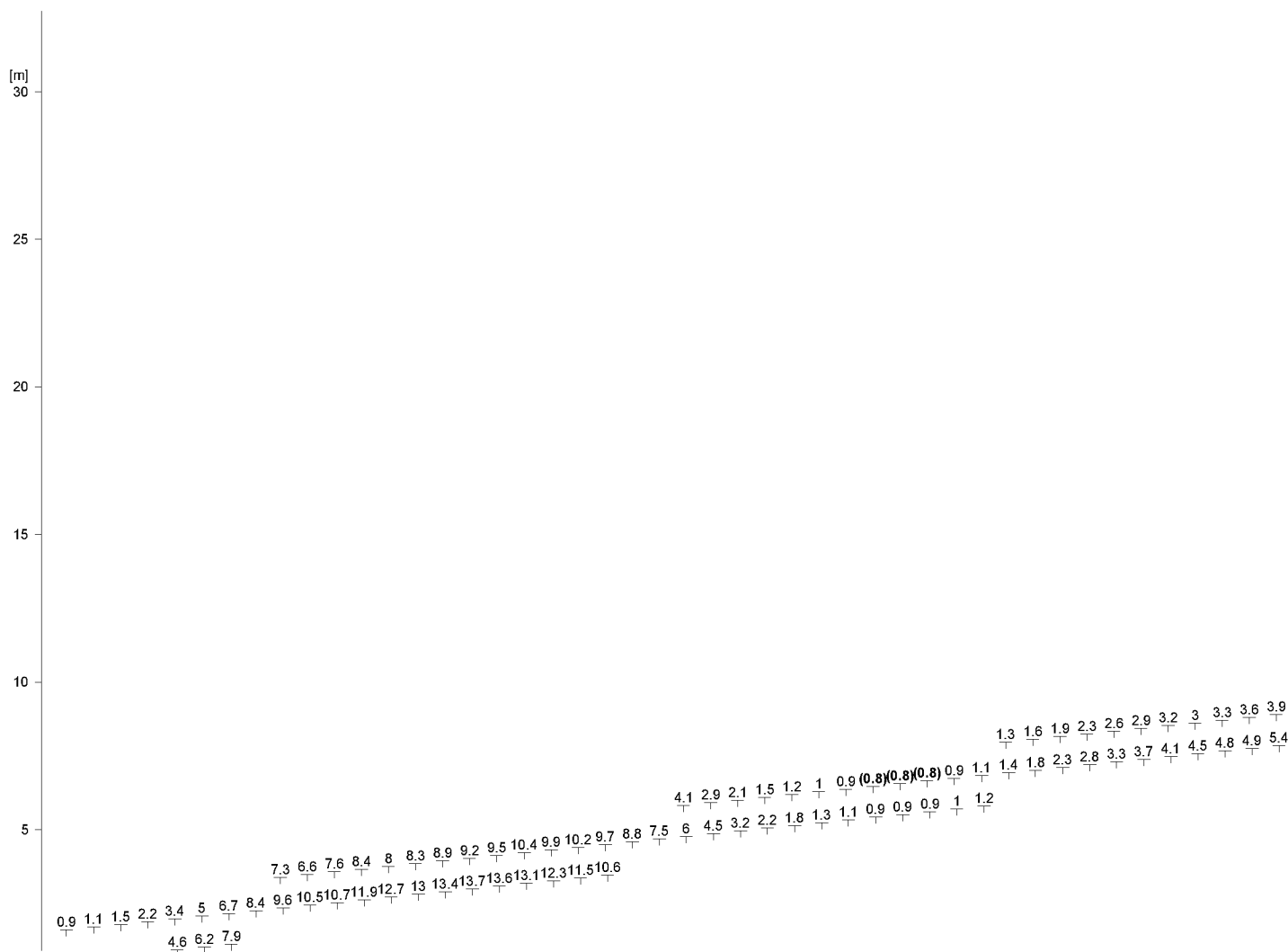
Part4

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



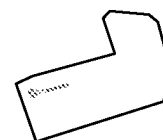
2.3 Calculation results, Exterior 1

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

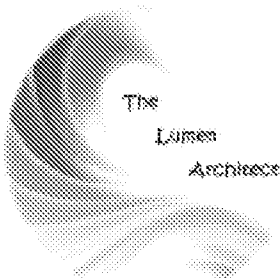


Part1

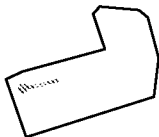
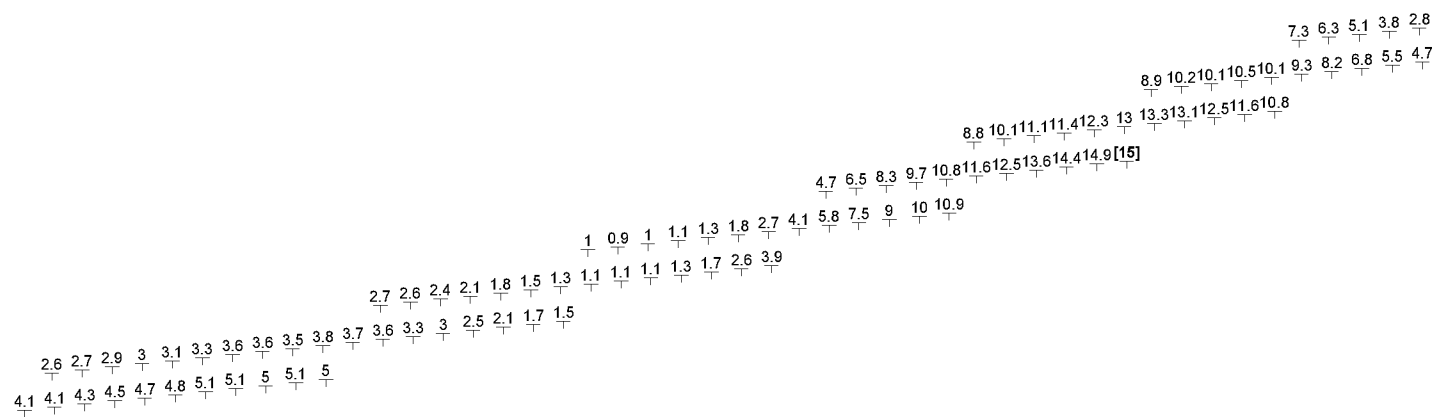
Height reference plane	: 0.01 m
Average illuminance	Em : 4.8 lx
Minimum illuminance	Emin : 0.8 lx
Maximum illuminance	Emax : 15 lx
Uniformity Uo	Emin/Em : 1 : 5.97 (0.17)
Diversity Ud	Emin/Emax : 1 : 18.78 (0.05)



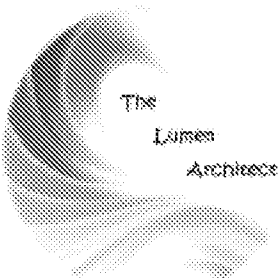
Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



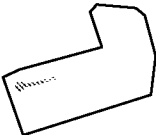
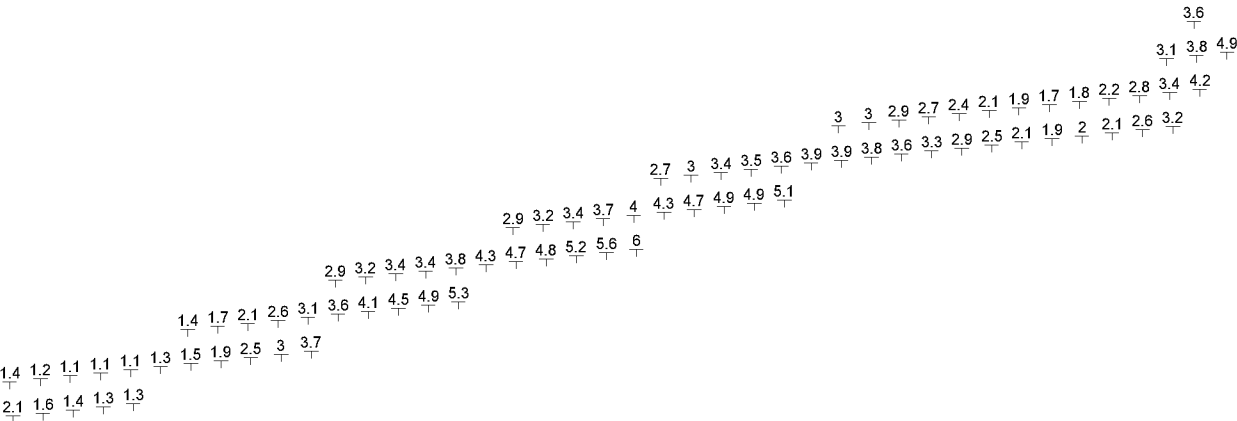
2.3 Calculation results, Exterior 1
2.3.30 Table, North Road 5 Pavement Part 3 (E)



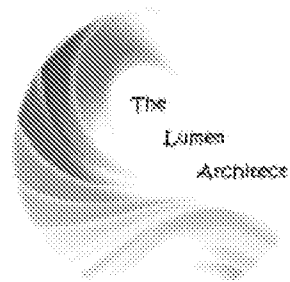
Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



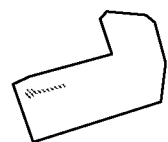
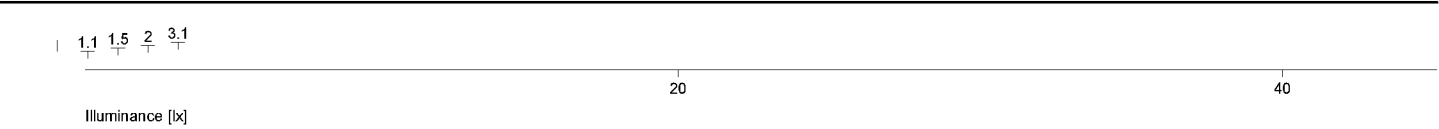
2.3 Calculation results, Exterior 1
2.3.30 Table, North Road 5 Pavement Part 3 (E)



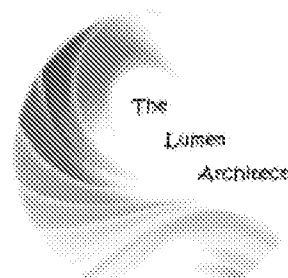
Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



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

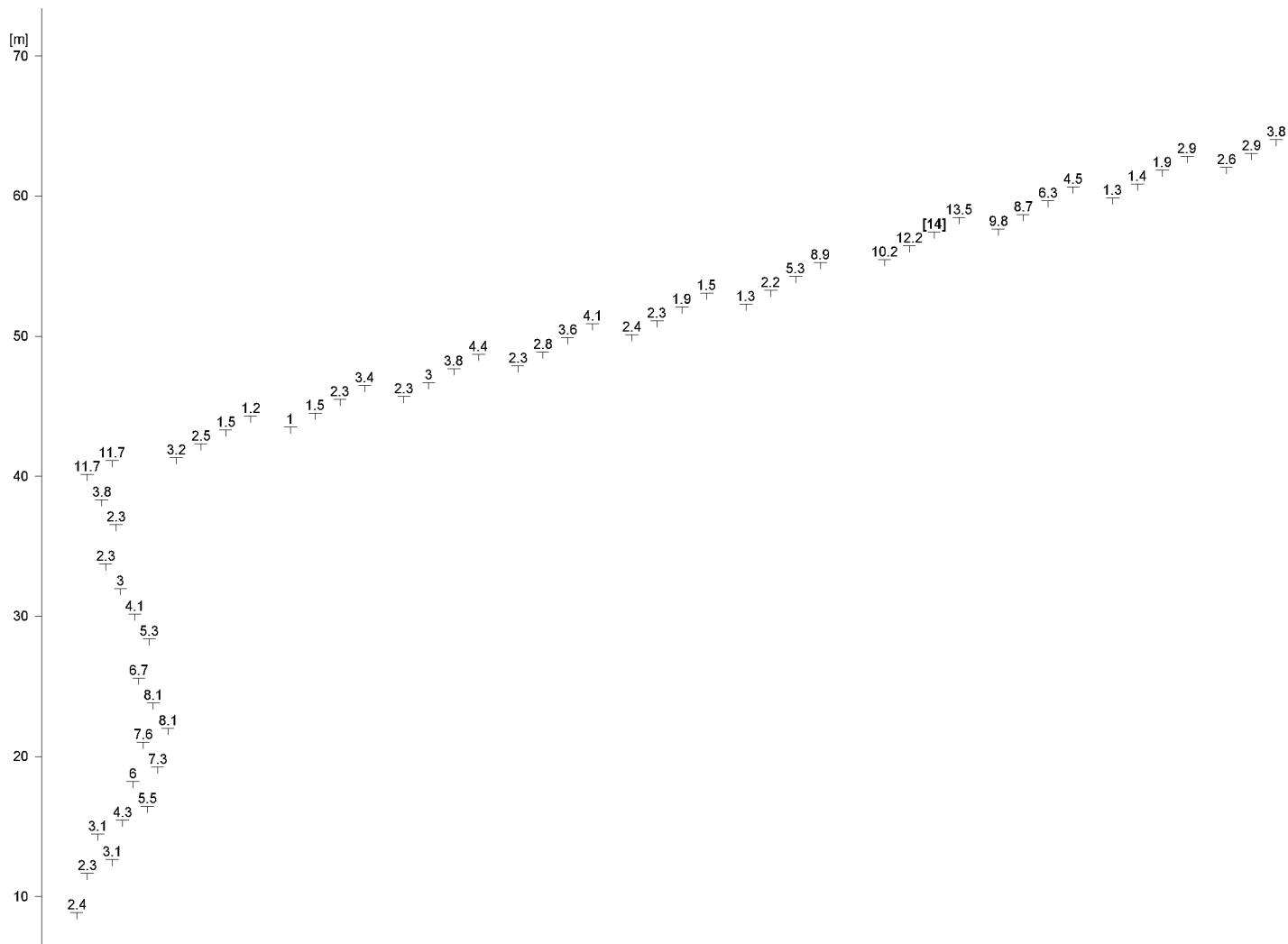


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



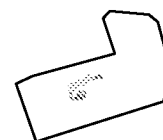
2.3 Calculation results, Exterior 1

2.3.31 Table, North Road 6 South Pavement (E)

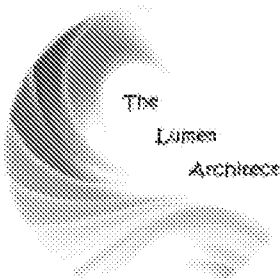


Part1

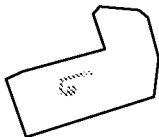
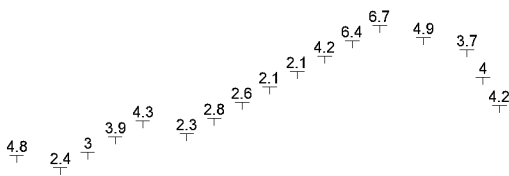
Height reference plane	: 0.01 m
Average illuminance	Em : 4.8 lx
Minimum illuminance	Emin : 0.9 lx
Maximum illuminance	Emax : 14 lx
Uniformity Uo	Emin/Em : 1 : 5.48 (0.18)
Diversity Ud	Emin/Emax : 1 : 15.96 (0.06)



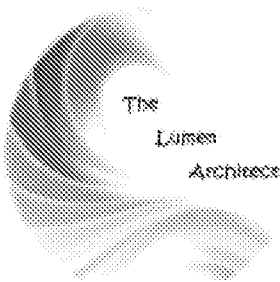
Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



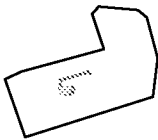
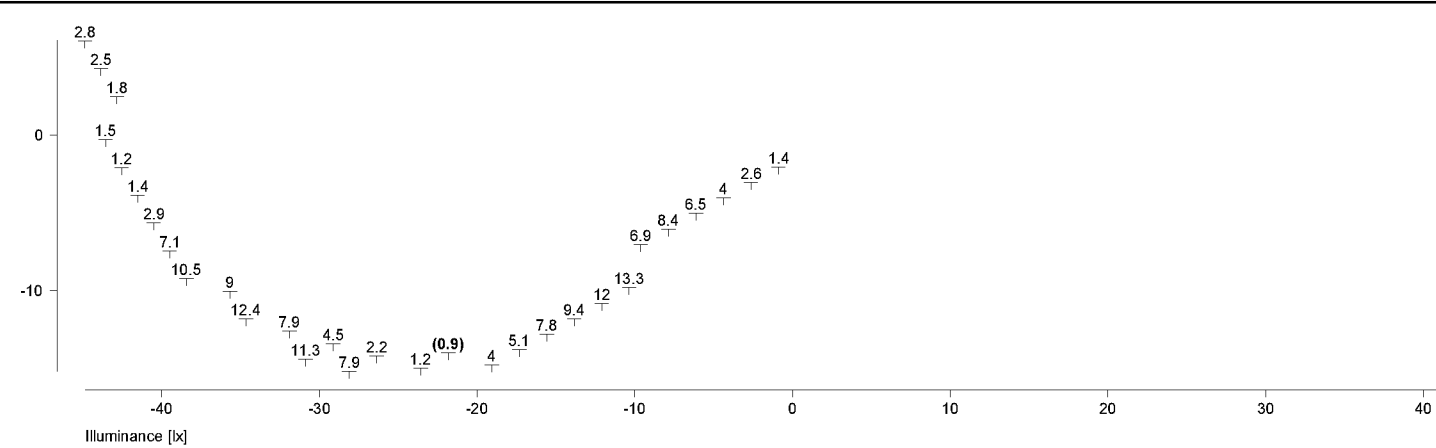
2.3 Calculation results, Exterior 1
2.3.31 Table, North Road 6 South Pavement (E)



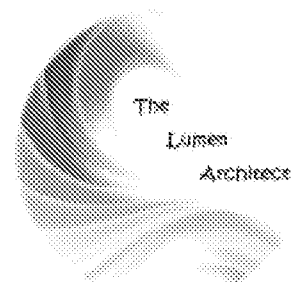
Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



2.3 Calculation results, Exterior 1
2.3.31 Table, North Road 6 South Pavement (E)

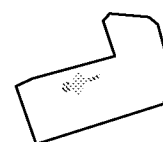
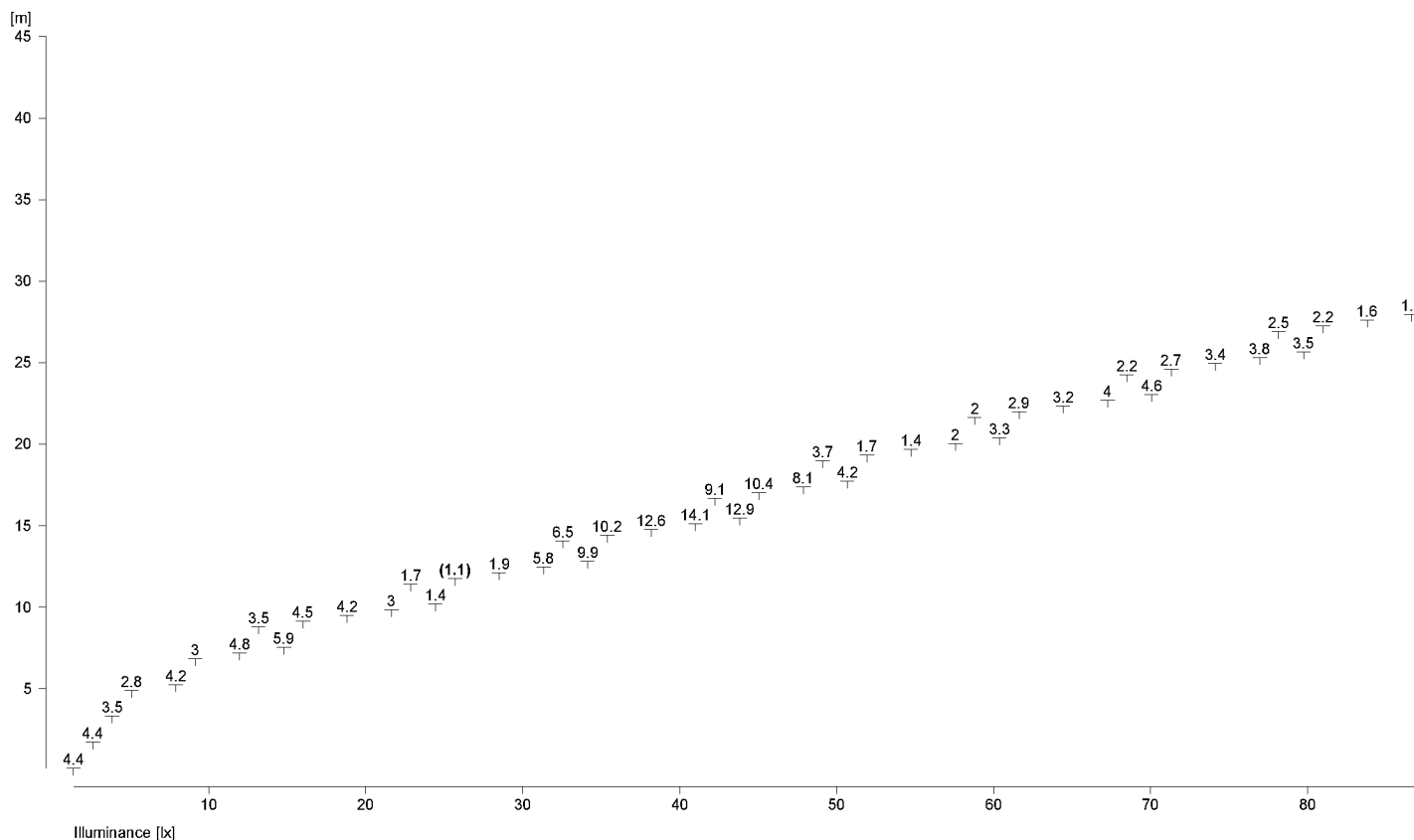


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



2.3 Calculation results, Exterior 1

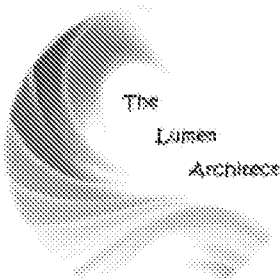
2.3.32 Table, North Road 6 North Pavement (E)



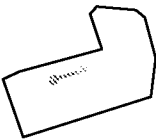
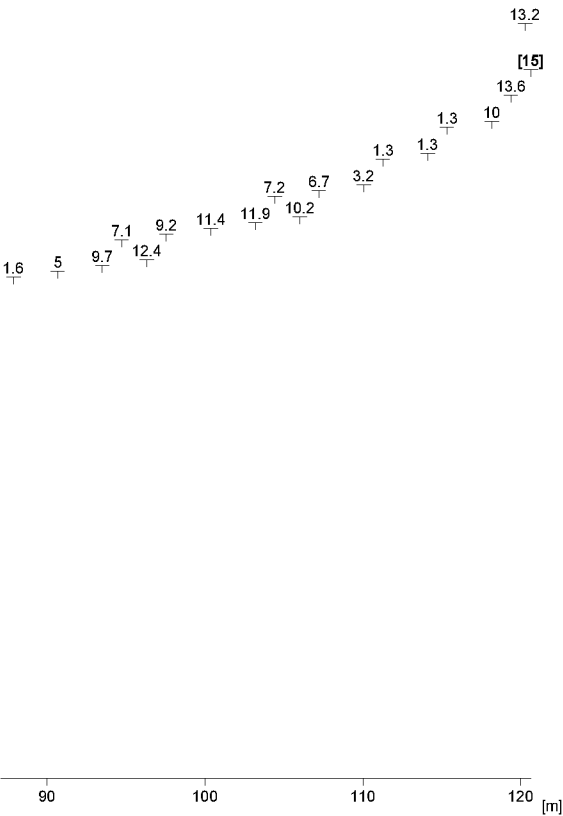
Part1

Height reference plane	: 0.01 m
Average illuminance	Em : 5.6 lx
Minimum illuminance	Emin : 1.1 lx
Maximum illuminance	Emax : 15 lx
Uniformity Uo	Emin/Em : 1 : 4.87 (0.21)
Diversity Ud	Emin/Emax : 1 : 13.12 (0.08)

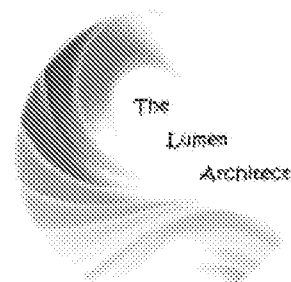
Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



2.3 Calculation results, Exterior 1
2.3.32 Table, North Road 6 North Pavement (E)

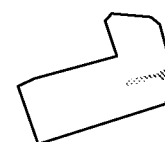
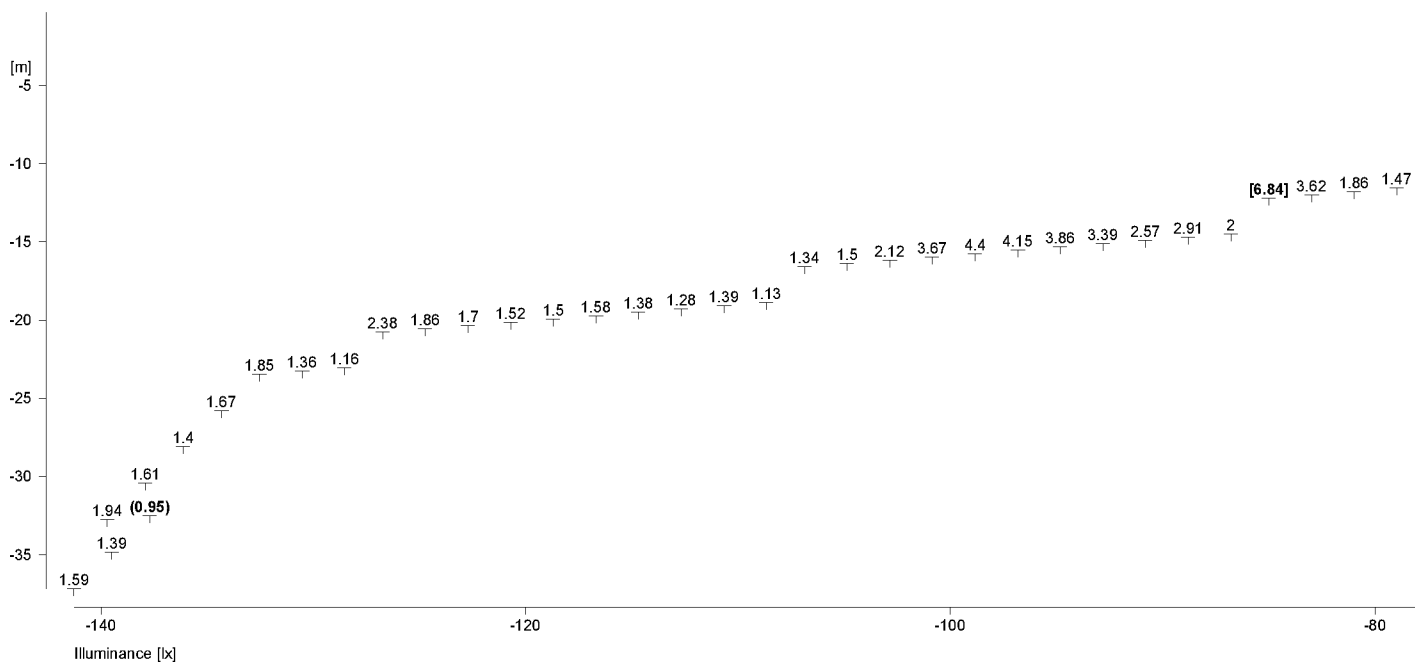


Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



2.3 Calculation results, Exterior 1

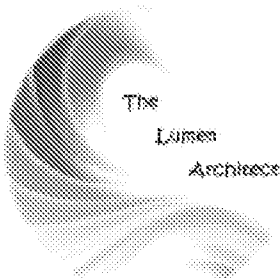
2.3.33 Table, Main Road South Pavement Part 1 (E)



Part1

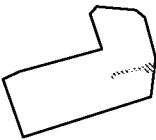
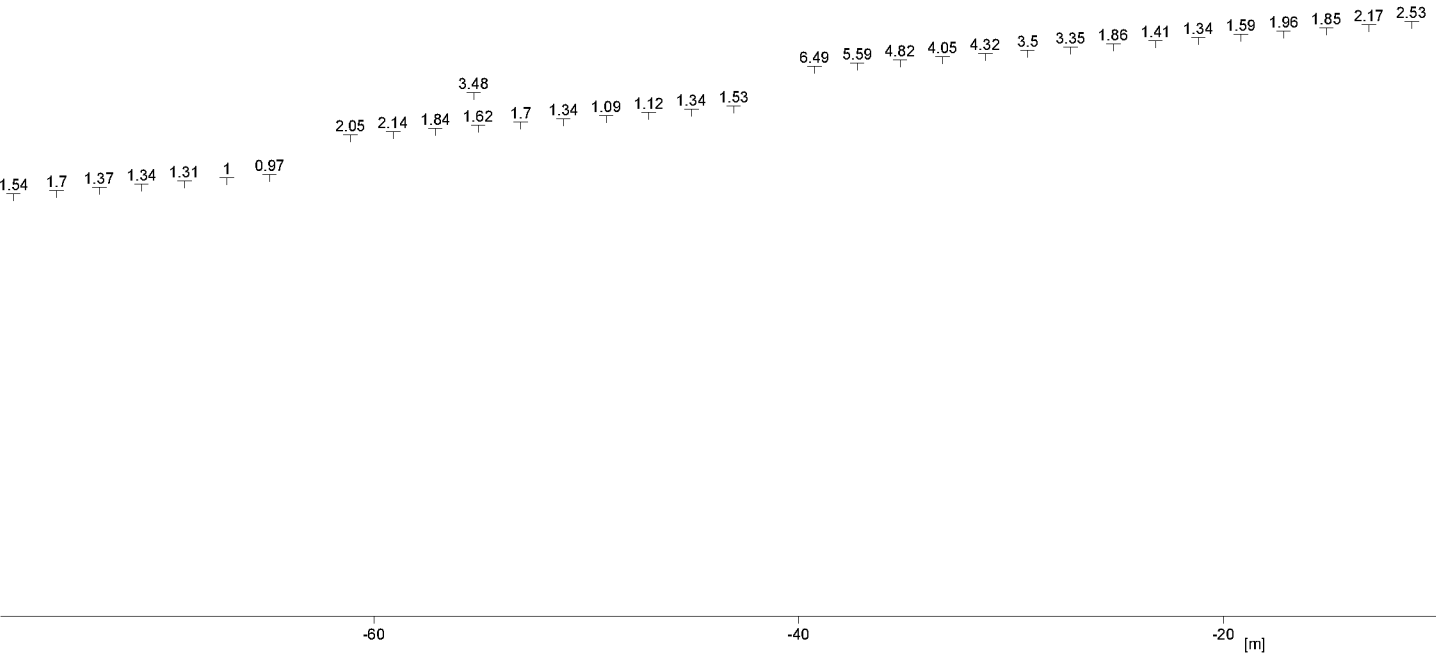
Height reference plane	: 0.01 m
Average illuminance	Em : 2.17 lx
Minimum illuminance	Emin : 0.95 lx
Maximum illuminance	Emax : 6.84 lx
Uniformity Uo	Emin/Em : 1 : 2.28 (0.44)
Diversity Ud	Emin/Emax : 1 : 7.19 (0.14)

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



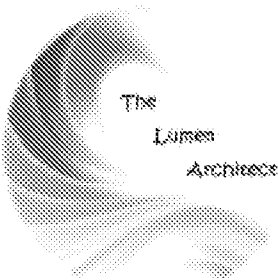
2.3 Calculation results, Exterior 1

2.3.33 Table, Main Road South Pavement Part 1 (E)



Part2

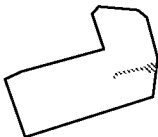
Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



2.3 Calculation results, Exterior 1

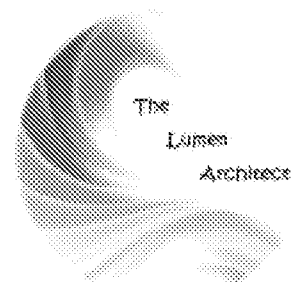
2.3.33 Table, Main Road South Pavement Part 1 (E)

1.03 1.18 1.2 1.41 1.71



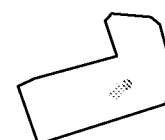
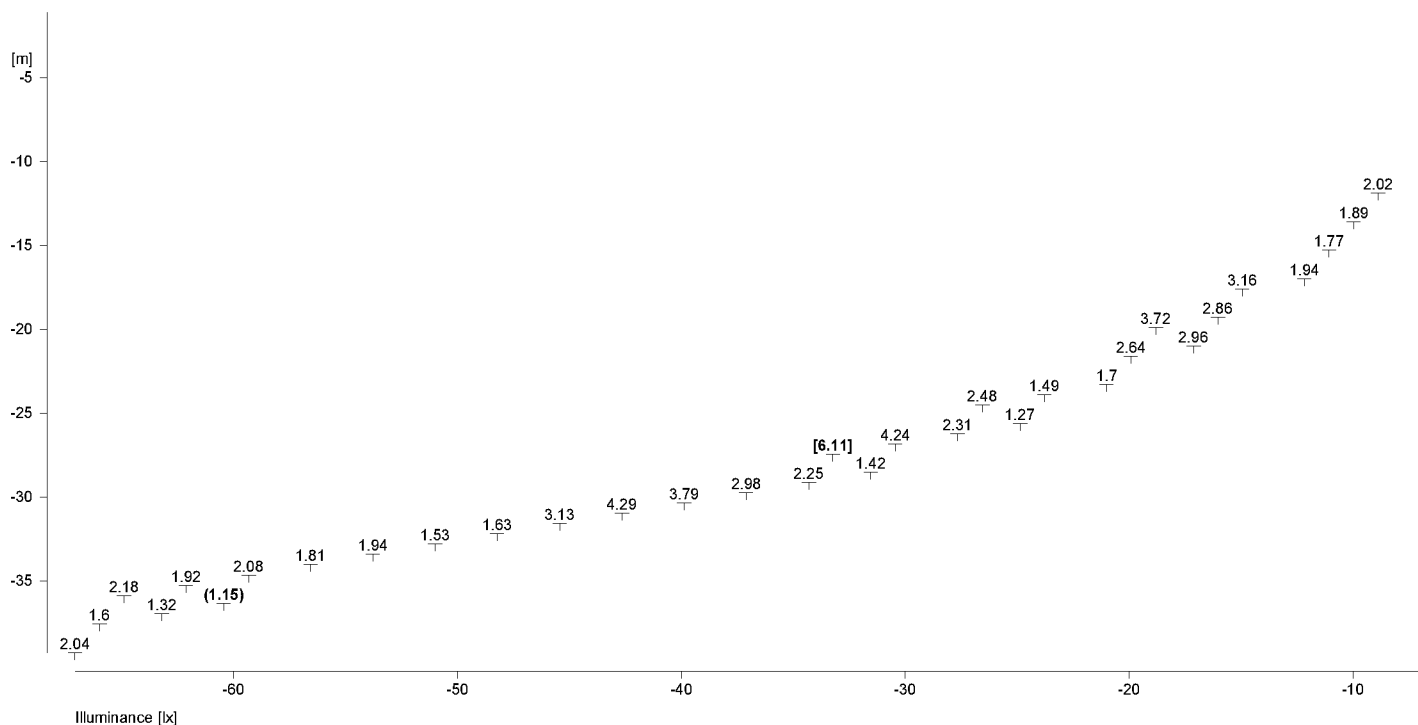
Part3

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



2.3 Calculation results, Exterior 1

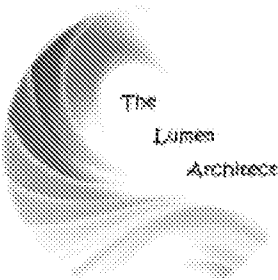
2.3.34 Table, Main Road South Pavement Part 2 (E)



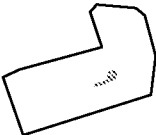
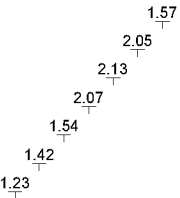
Part1

Height reference plane	: 0.01 m
Average illuminance	Em : 2.29 lx
Minimum illuminance	Emin : 1.15 lx
Maximum illuminance	Emax : 6.11 lx
Uniformity Uo	Emin/Em : 1 : 1.99 (0.50)
Diversity Ud	Emin/Emax : 1 : 5.30 (0.19)

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021

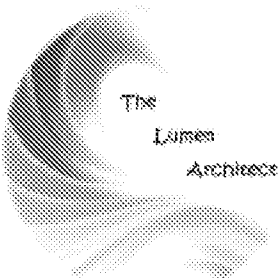


2.3 Calculation results, Exterior 1
2.3.34 Table, Main Road South Pavement Part 2 (E)



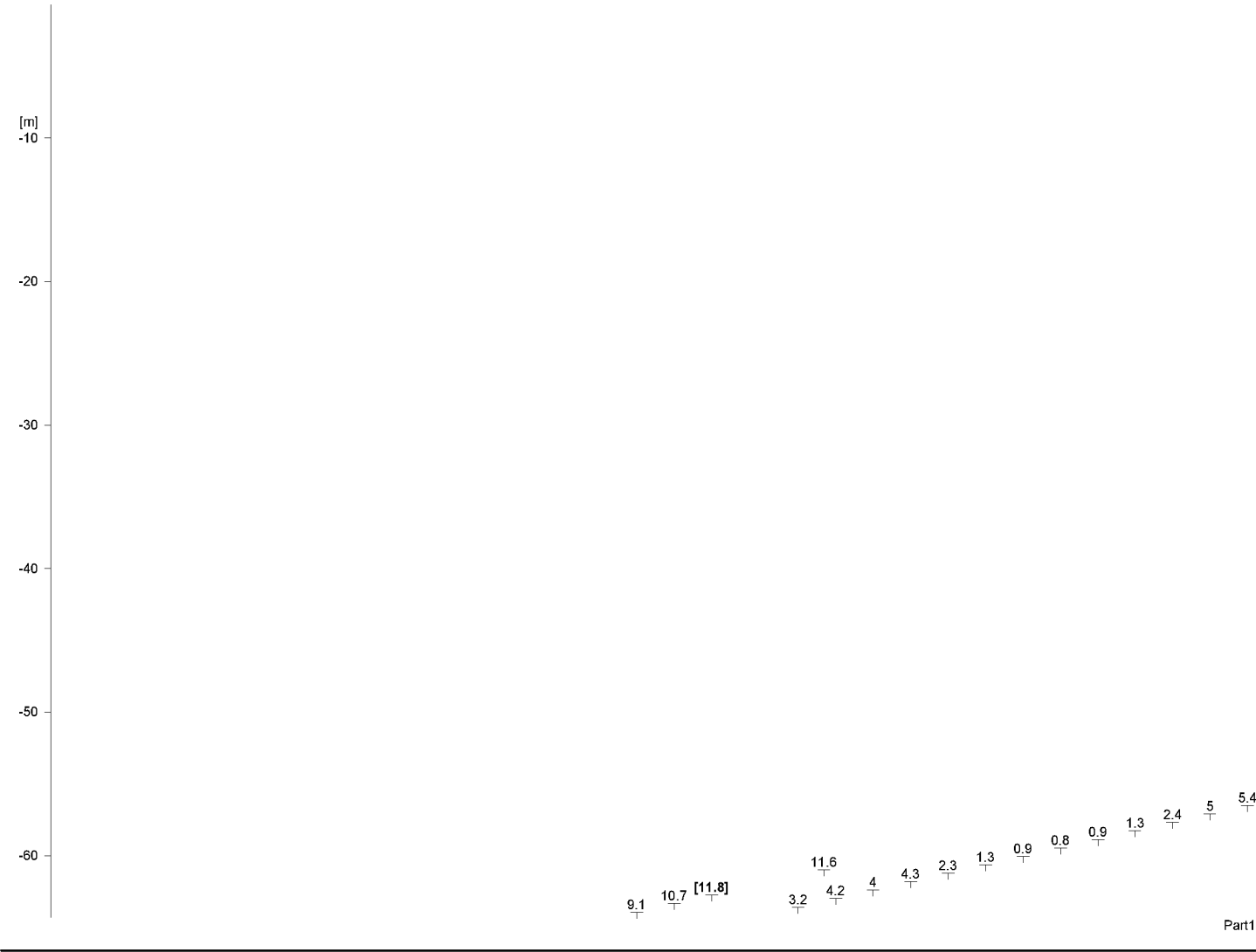
Part2

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021

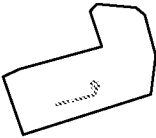


2.3 Calculation results, Exterior 1

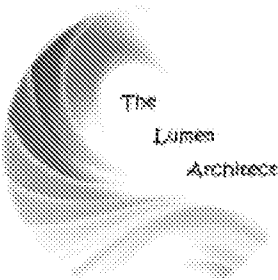
2.3.35 Table, Main Road South Pavement Part 3 (E)



Height reference plane	: 0.01 m
Average illuminance	Em : 3.6 lx
Minimum illuminance	Emin : 0.7 lx
Maximum illuminance	Emax : 11.8 lx
Uniformity Uo	Emin/Em : 1 : 5.07 (0.20)
Diversity Ud	Emin/Emax : 1 : 16.67 (0.06)

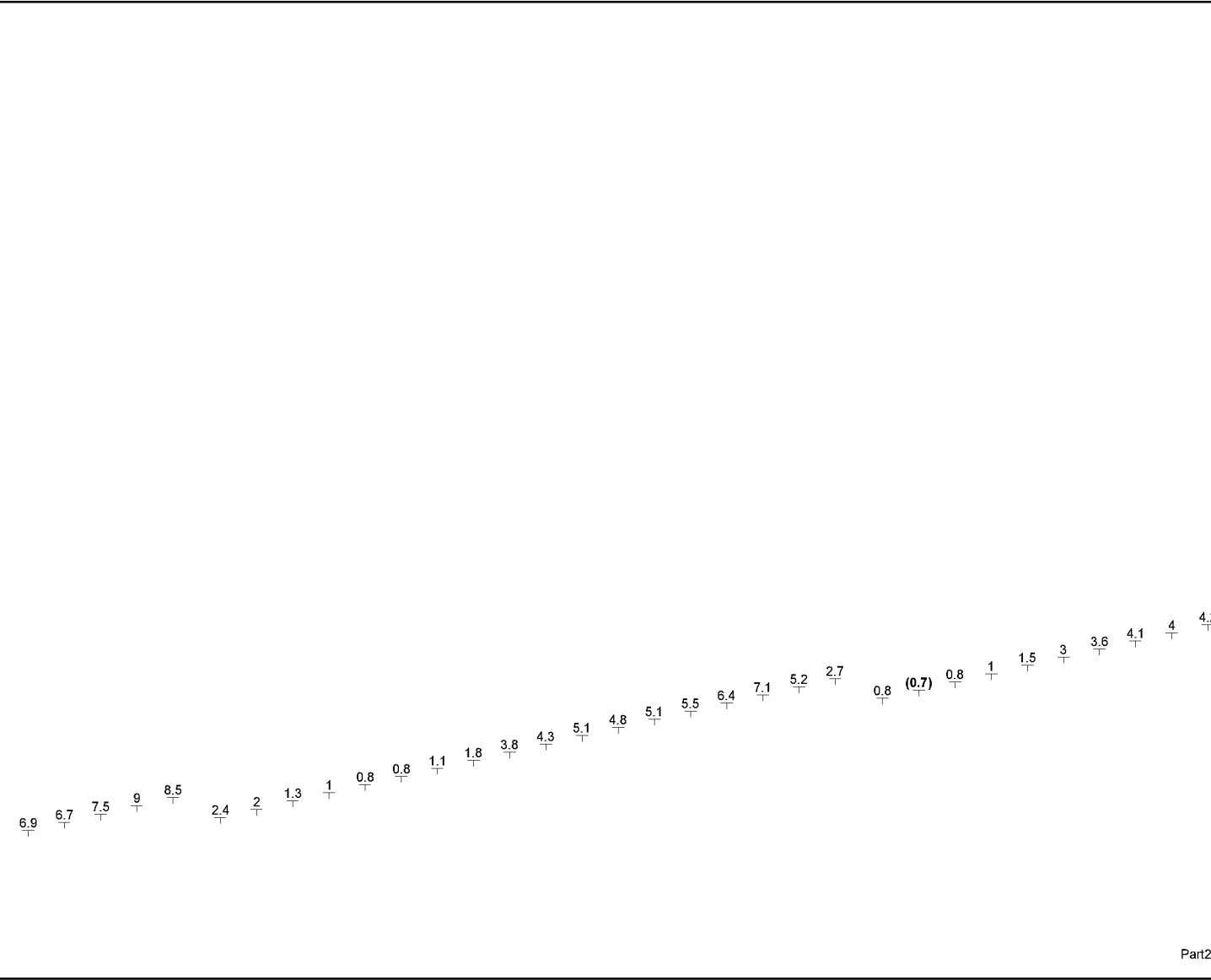


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021

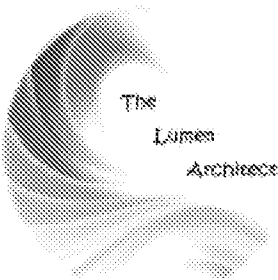


2.3 Calculation results, Exterior 1

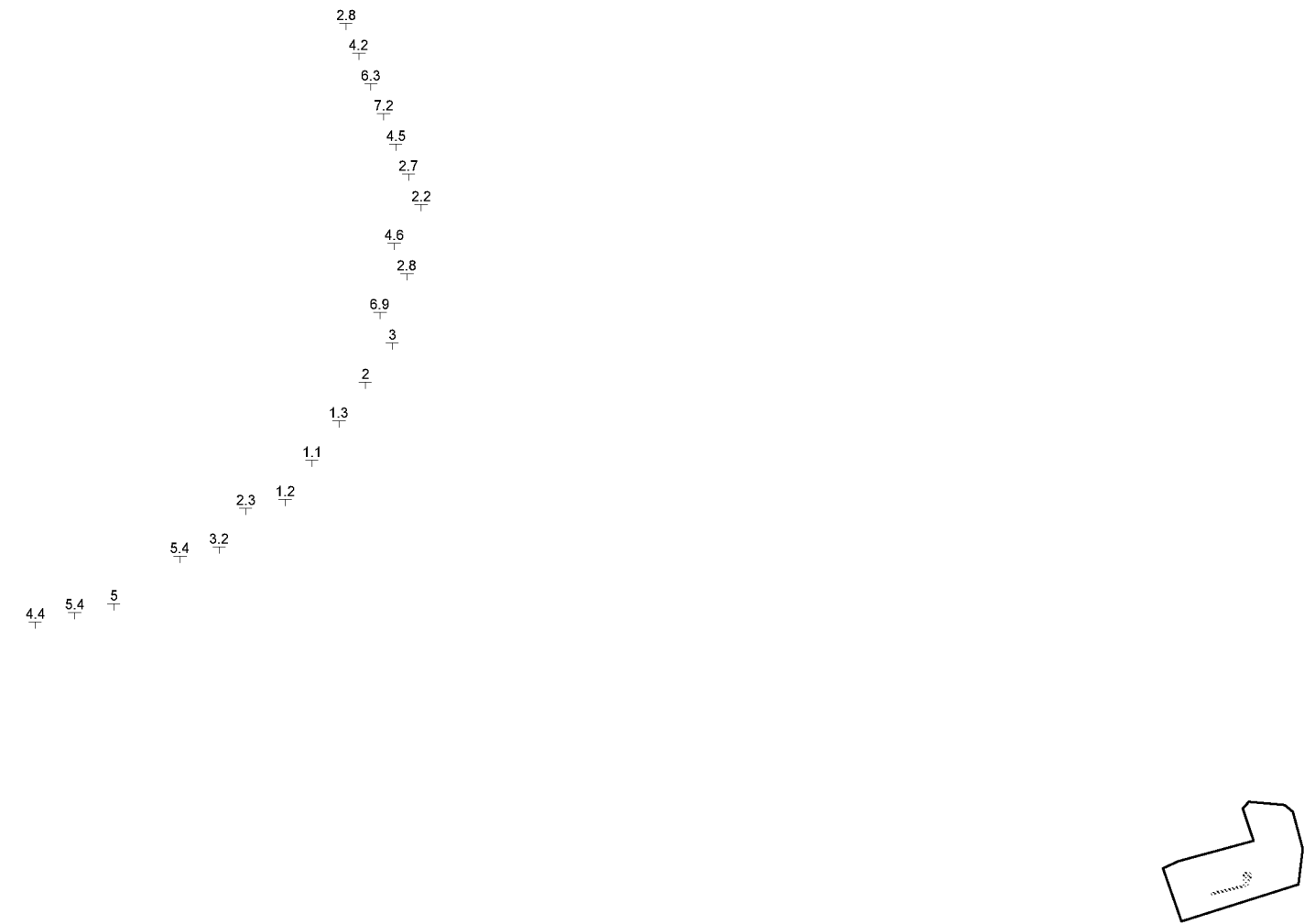
2.3.35 Table, Main Road South Pavement Part 3 (E)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021

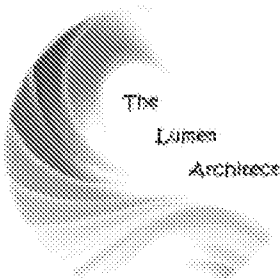


2.3 Calculation results, Exterior 1
2.3.35 Table, Main Road South Pavement Part 3 (E)

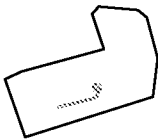
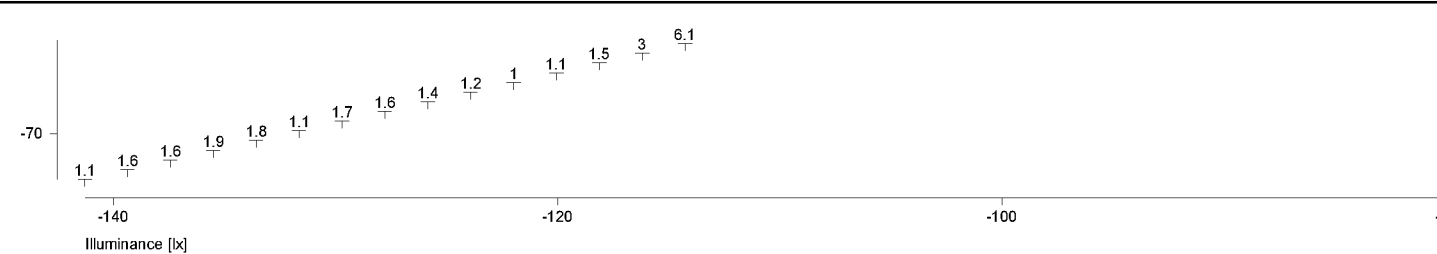


Part3

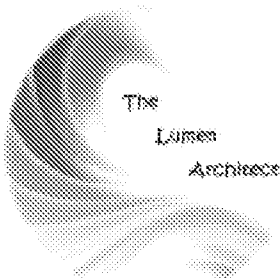
Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



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

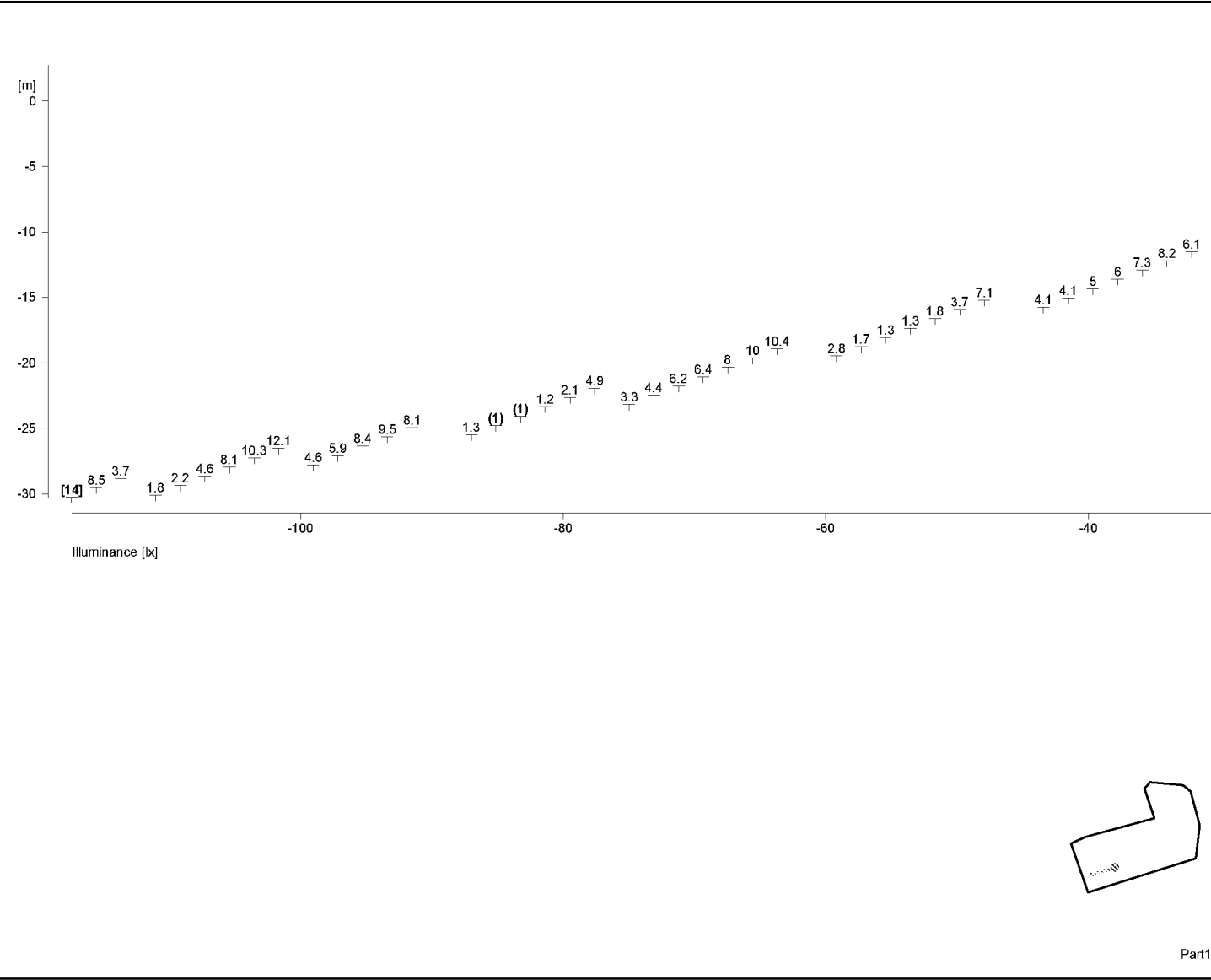


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



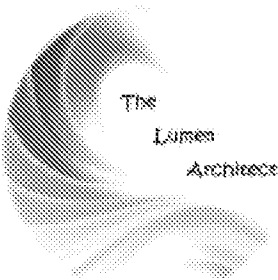
2.3 Calculation results, Exterior 1

2.3.36 Table, Main Road South Pavement Part 4 (E)

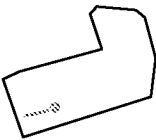
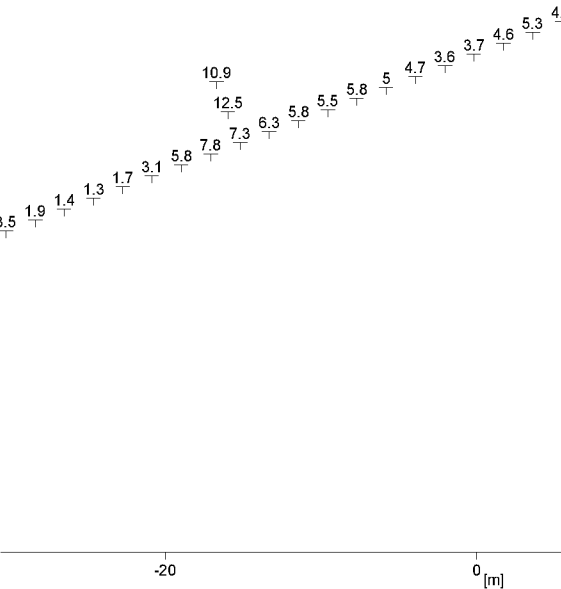


Average illuminance	Em	: 5.3 lx
Minimum illuminance	Emin	: 1 lx
Maximum illuminance	Emax	: 14 lx
Uniformity Uo	Emin/Em	: 1 : 5.47 (0.18)
Diversity Ud	Emin/Emax	: 1 : 14.42 (0.07)

Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



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

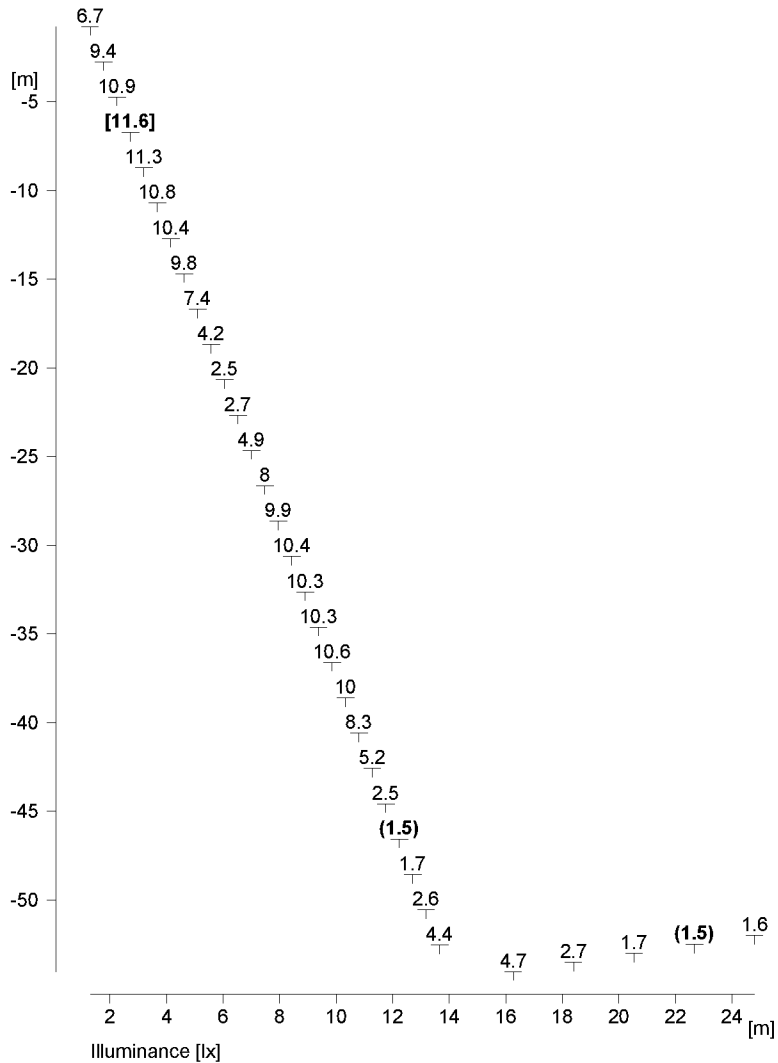


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



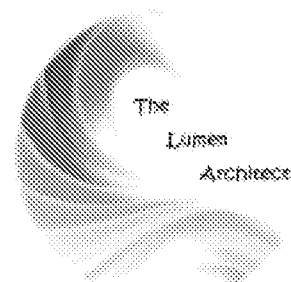
2.3 Calculation results, Exterior 1

2.3.37 Table, South Road 1 Pavement (E)



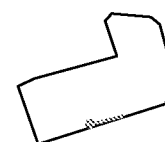
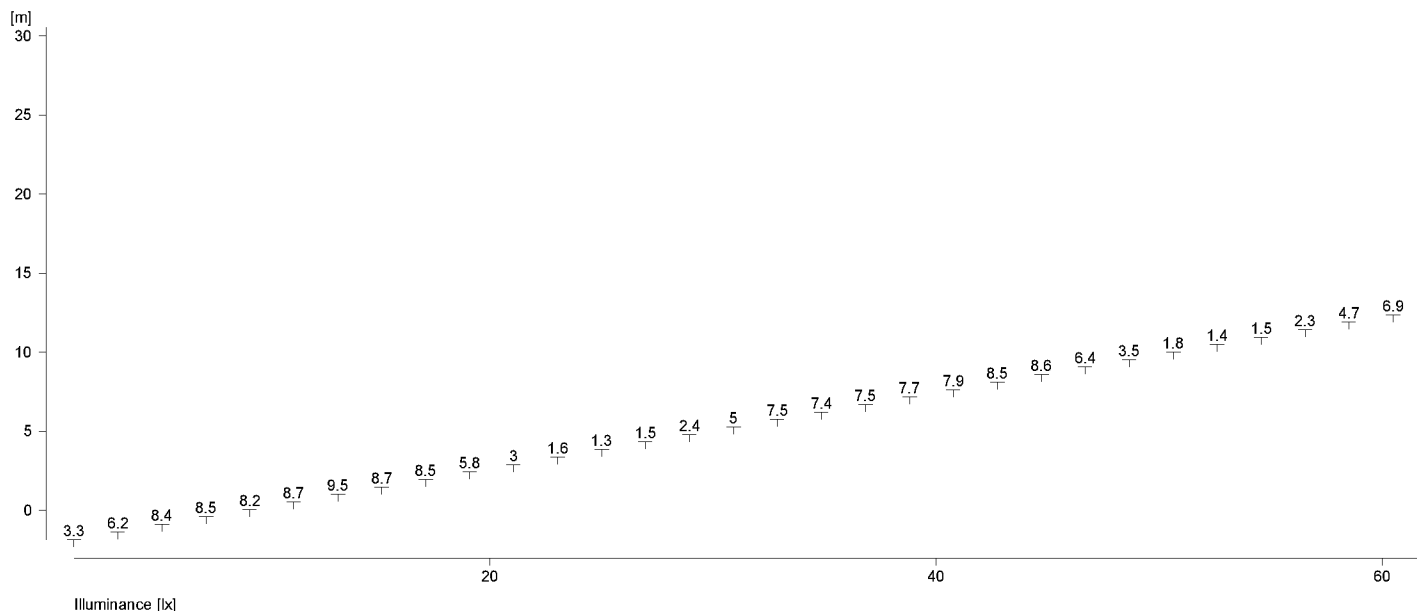
Height reference plane	: 0.01 m
Average illuminance	Em : 6.6 lx
Minimum illuminance	Emin : 1.5 lx
Maximum illuminance	Emax : 11.6 lx
Uniformity Uo	Emin/Em : 1 : 4.38 (0.23)
Diversity Ud	Emin/Emax : 1 : 7.73 (0.13)

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



2.3 Calculation results, Exterior 1

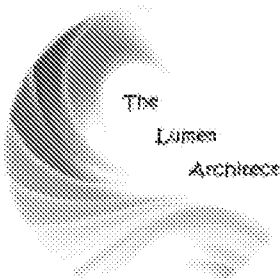
2.3.38 Table, South Road 2 Pavement (E)



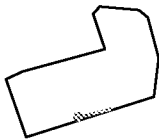
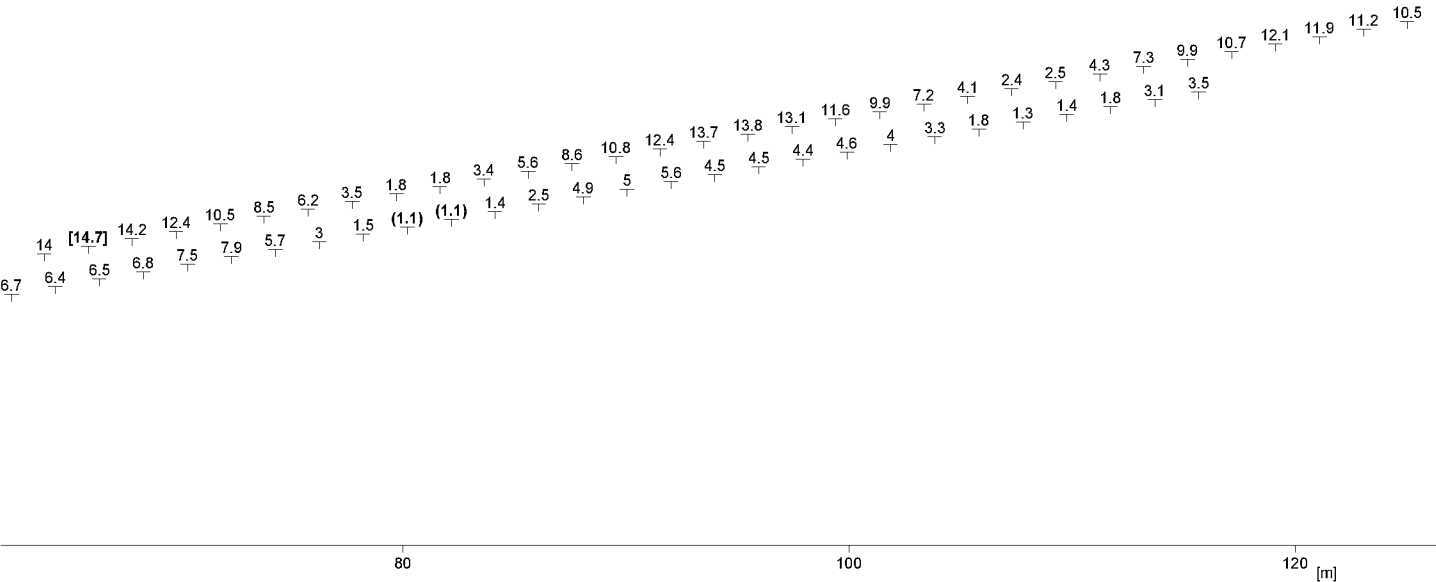
Part1

Height reference plane	: 0.01 m
Average illuminance	Em : 6.3 lx
Minimum illuminance	Emin : 1.1 lx
Maximum illuminance	Emax : 14.7 lx
Uniformity Uo	Emin/Em : 1 : 5.72 (0.17)
Diversity Ud	Emin/Emax : 1 : 13.33 (0.08)

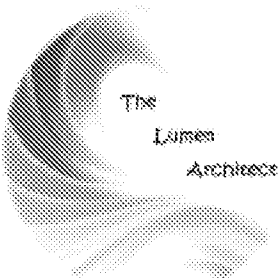
Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



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

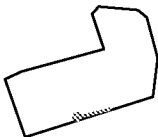


Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



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

9.7



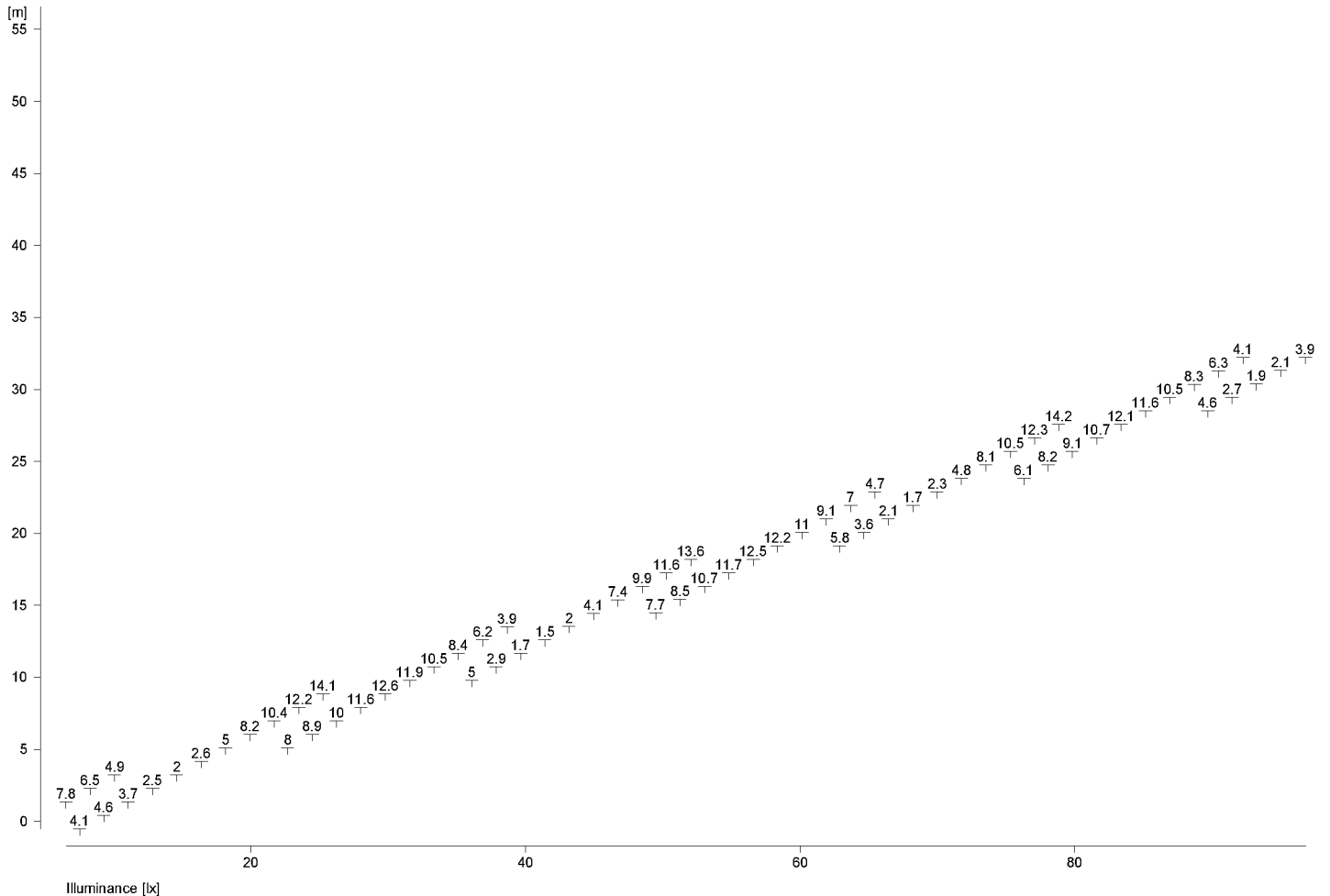
Part3

Object : Residential Area Street Lighting
 Installation : LED Solar Powered Street Lighting
 Project number : TLA/VIV/CVY
 Date : 05.08.2021



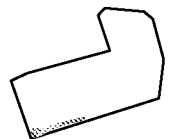
2.3 Calculation results, Exterior 1

2.3.39 Table, South Road 4 Pavement (E)

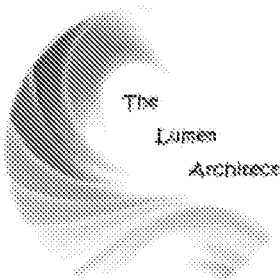


Part1

Height reference plane	: 0.01 m
Average illuminance	Em : 7.3 lx
Minimum illuminance	Emin : 1.3 lx
Maximum illuminance	Emax : 15 lx
Uniformity Uo	Emin/Em : 1 : 5.81 (0.17)
Diversity Ud	Emin/Emax : 1 : 11.95 (0.08)



Object : Residential Area Street Lighting
Installation : LED Solar Powered Street Lighting
Project number : TLA/VIV/CVY
Date : 05.08.2021



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

