

NMA LIGHTING CONSULTANCY
Interior Lighting Design Specialists

Outdoor Lighting Report

Layout Report

General Data

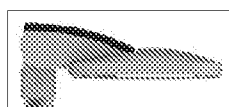
Dimensions in Metres Angles in Degrees

Calculation Grids

ID	Grid Name	X	Y	X' Length	Y' Length	X' Spacing	Y' Spacing
1	Grid 1	500673.00	106204.00	102.00	102.00	1.50	1.50
2	Grid 2	500581.00	106242.00	81.00	75.00	1.50	1.50
3	Grid 3	500627.00	106182.00	27.00	93.00	1.50	1.50
4	Grid 4	500431.20	106236.77	210.00	84.00	1.50	1.50
5	Grid 5	500450.00	106294.00	66.00	39.00	1.50	1.50
6	Grid 6	500508.00	106316.00	69.00	78.00	1.50	1.50
7	Grid 7	500581.00	106317.00	36.00	33.00	1.50	1.50
8	Grid 8	500449.00	106130.00	374.00	300.00	1.50	1.50
9	Grid 9	500453.00	106326.00	51.00	72.00	1.50	1.50

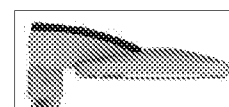
Luminaires

Luminaire A Data



Supplier	TRT Lighting
Type	AS16 LED 29W CLO GR5 PCA FG
Lamp(s)	42 0029 0000 100
Lamp Flux (klm)	1.79
File Name	AS16_LED_29W_CLO_GR5_PCA_FG.IES
Maintenance Factor	0.83
Lum. Int. Class	G3
No. in Project	5

Luminaire C Data



Supplier	TRT Lighting
Type	AS16 LED 10W CLO GR5 PCA FG
Lamp(s)	42 0010 0000 100
Lamp Flux (klm)	0.65
File Name	AS16_LED_10W_CLO_GR5_PCA_FG.IES
Maintenance Factor	0.83
Lum. Int. Class	G3
No. in Project	34

Layout

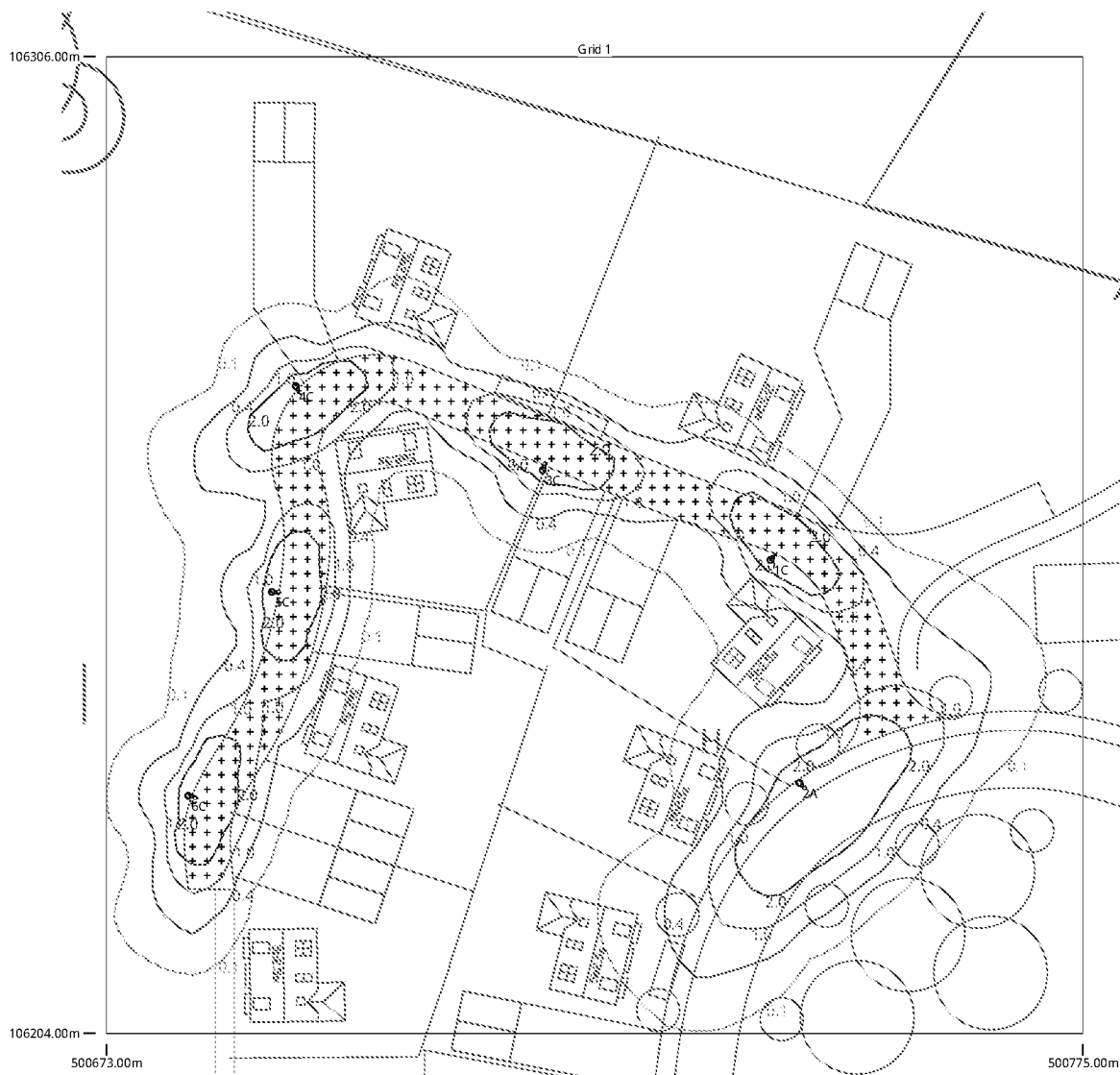
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	C	500742.35	106253.44	4.00	48.00	0.00	0.00	0.40			
2	A	500745.38	106230.18	6.00	316.00	0.00	0.00	0.40			
3	C	500718.56	106262.83	4.00	67.00	0.00	0.00	0.40			
4	C	500692.79	106271.60	4.00	301.00	0.00	0.00	0.40			
5	C	500690.26	106250.12	4.00	351.00	0.00	0.00	0.40			
6	C	500681.53	106228.81	4.00	346.00	0.00	0.00	0.40			
7	C	500644.45	106202.28	4.00	169.00	0.00	0.00	0.40			
8	C	500646.75	106231.22	4.00	172.00	0.00	0.00	0.40			
9	C	500641.97	106256.34	4.00	184.00	0.00	0.00	0.40			
10	C	500597.95	106267.23	4.00	171.00	0.00	0.00	0.40			
11	A	500580.41	106260.48	6.00	223.00	0.00	0.00	0.40			
12	C	500596.13	106296.42	4.00	358.00	0.00	0.00	0.40			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
13	C	500618.92	106297.56	4.00	262.00	0.00	0.00	0.40			
14	C	500640.08	106287.11	4.00	84.00	0.00	0.00	0.40			
15	C	500641.42	106303.68	4.00	346.00	0.00	0.00	0.40			
16	A	500655.27	106184.42	6.00	267.00	0.00	0.00	0.40			
17	C	500619.79	106162.88	4.00	113.00	0.00	0.00	0.40			
18	A	500612.21	106190.93	6.00	37.00	0.00	0.00	0.40			
19	C	500594.39	106161.48	4.00	83.00	0.00	0.00	0.40			
20	C	500566.12	106164.91	4.00	76.00	0.00	0.00	0.40			
21	C	500539.67	106175.27	4.00	60.00	0.00	0.00	0.40			
22	C	500516.57	106191.08	4.00	48.00	0.00	0.00	0.40			
23	C	500498.00	106211.76	4.00	35.00	0.00	0.00	0.40			
24	C	500482.49	106237.96	4.00	27.00	0.00	0.00	0.40			
25	C	500470.27	106265.17	4.00	15.00	0.00	0.00	0.40			
26	C	500497.52	106312.49	4.00	276.00	0.00	0.00	0.40			
27	A	500513.39	106298.16	6.00	16.00	0.00	0.00	0.40			
28	C	500470.92	106304.47	4.00	91.00	0.00	0.00	0.40			
29	C	500470.33	106321.00	4.00	0.00	0.00	0.00	0.40			
30	C	500524.80	106329.95	4.00	23.00	0.00	0.00	0.40			
31	C	500535.05	106357.39	4.00	274.00	0.00	0.00	0.40			
32	C	500519.17	106351.53	4.00	355.00	0.00	0.00	0.40			
33	C	500525.21	106380.50	4.00	350.00	0.00	0.00	0.40			
34	C	500556.59	106365.74	4.00	295.00	0.00	0.00	0.40			
35	C	500559.46	106378.68	4.00	348.00	0.00	0.00	0.40			
36	C	500601.61	106332.13	4.00	202.00	0.00	0.00	0.40			
37	C	500590.76	106327.85	4.00	22.00	0.00	0.00	0.40			
38	C	500472.63	106352.95	4.00	352.00	0.00	0.00	0.40			
39	C	500478.96	106384.11	4.00	346.00	0.00	0.00	0.40			

Horizontal Illuminance (lux)

Grid 1



Results

Eav	2.30
Emin	0.45
E max	10.54
E min/E max	0.04
E min/E av	0.19

Horizontal Illuminance (lux)

Grid 2

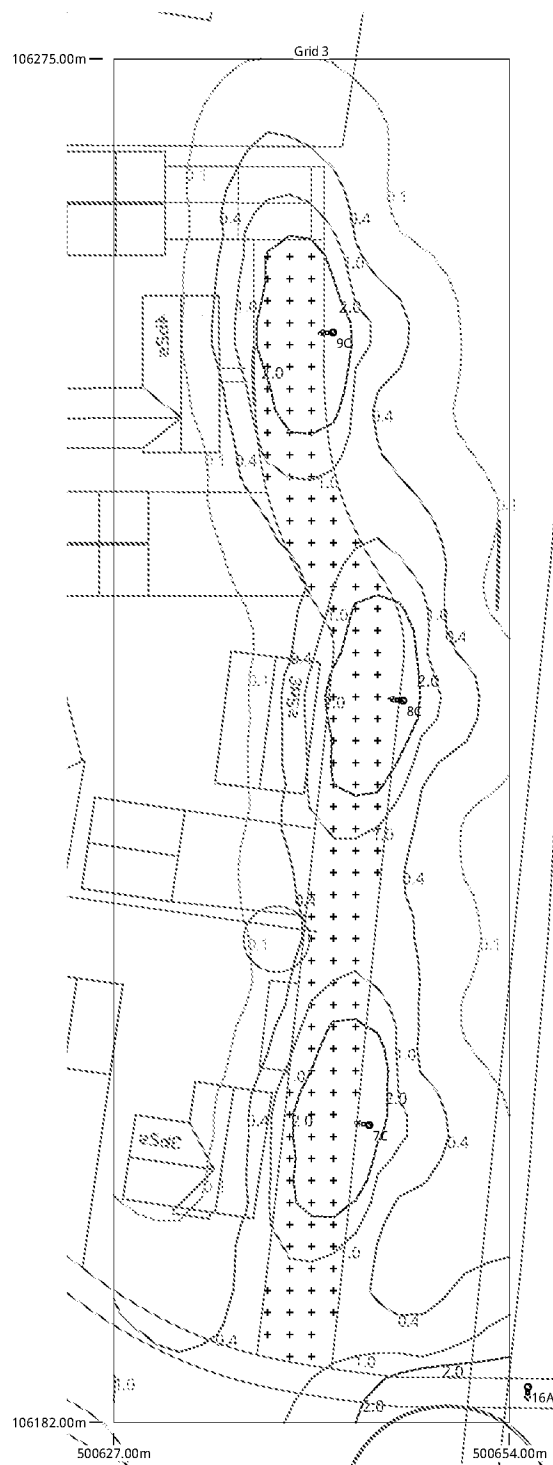


Results

E av	2.33
E min	0.47
E max	11.37
E min/E max	0.04
E min/E av	0.20

Horizontal Illuminance (lux)

Grid 3



Results

E _{av}	2.16
E _{min}	0.44
E _{max}	10.04
E _{min} /E _{max}	0.04
E _{min} /E _{av}	0.20

Horizontal Illuminance (lux)

Grid 4

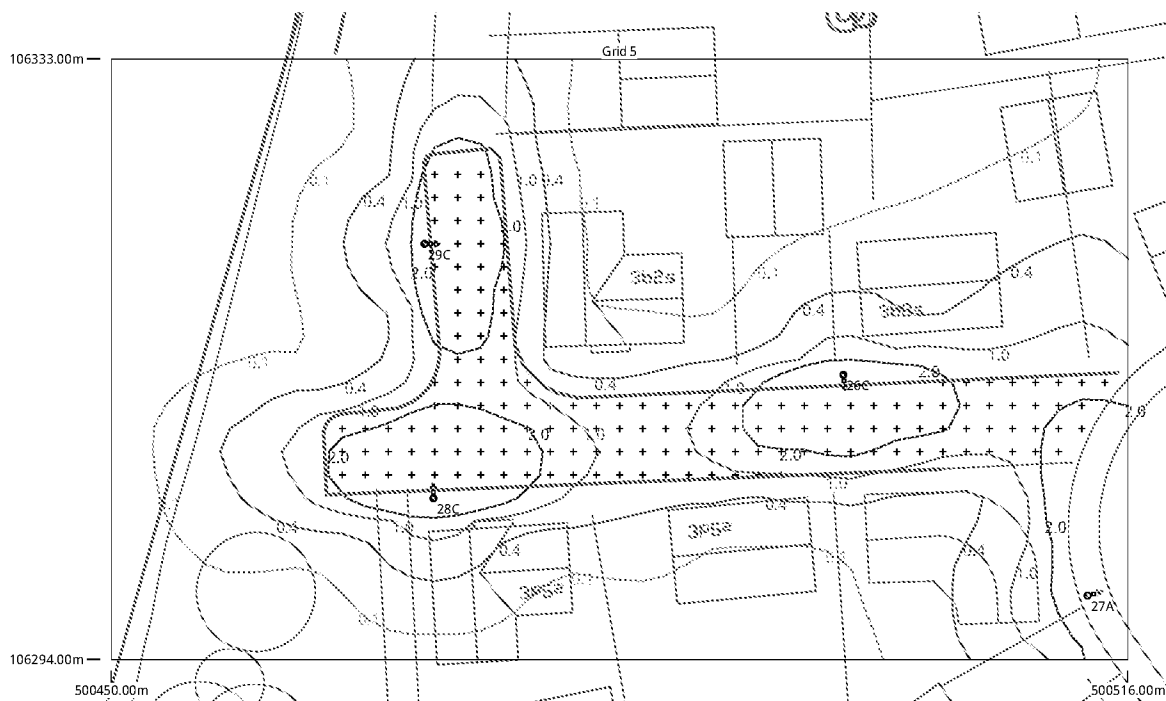


Results

E _{av}	2.13
E _{min}	0.41
E _{max}	10.91
E _{min} /E _{max}	0.04
E _{min} /E _{av}	0.19

Horizontal Illuminance (lux)

Grid 5



Results

E av	2.52
E min	0.62
E max	10.79
E min/E max	0.06
E min/E av	0.25

Horizontal Illuminance (lux)

Grid 6



Results

Eav	2.86
Emin	0.53
E max	10.93
E min/E max	0.05
E min/E av	0.19

Horizontal Illuminance (lux)

Grid 7

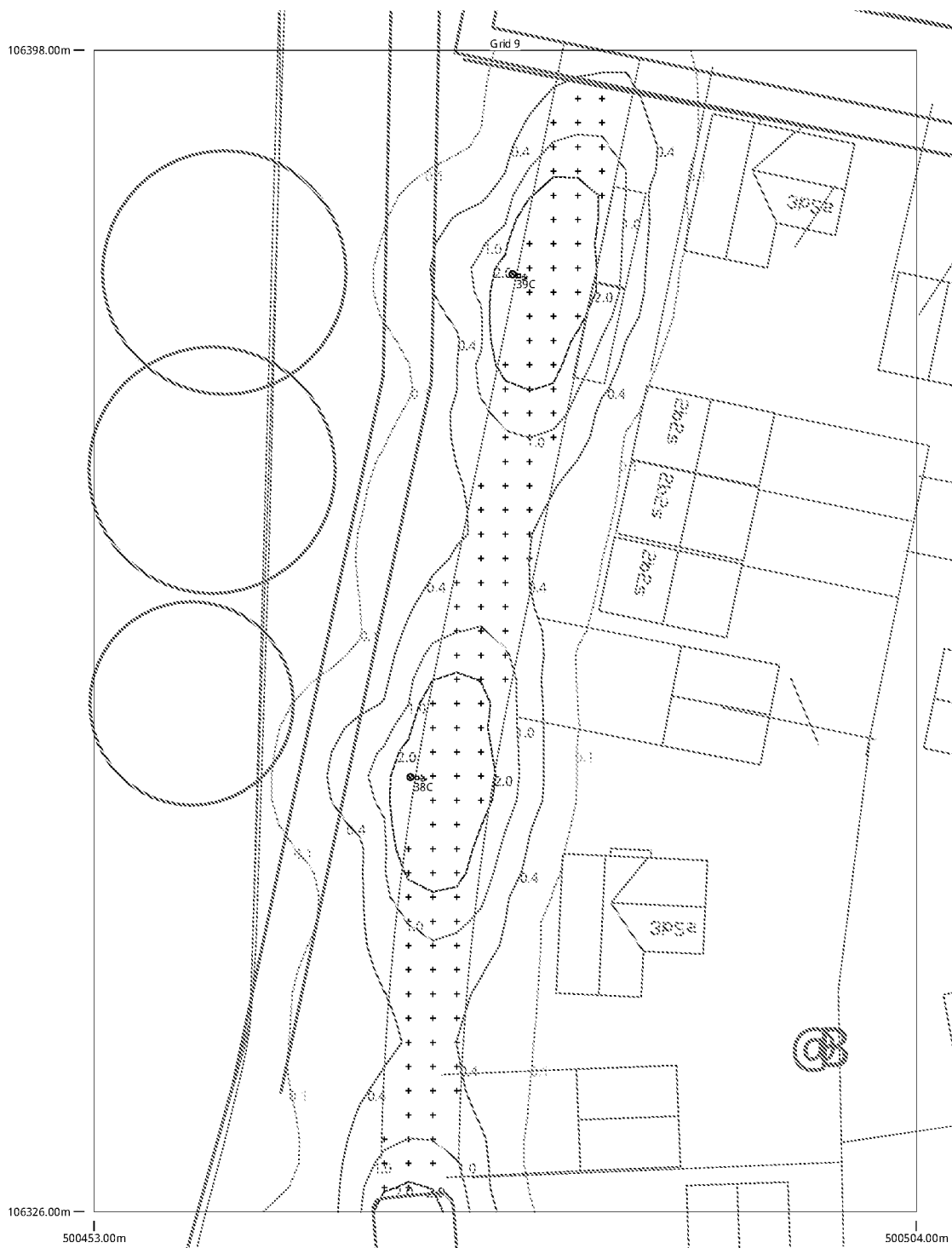


Results

E _{av}	2.77
E _{min}	0.62
E _{max}	11.36
E _{min} /E _{max}	0.05
E _{min} /E _{av}	0.22

Horizontal Illuminance (lux)

Grid 9



Results

E _{av}	2.02
E _{min}	0.40
E _{max}	10.89
E _{min} /E _{max}	0.04
E _{min} /E _{av}	0.20