

DATE: 19 September 2026
DESIGNER: WLC
PROJECT No: WLC1460
PROJECT NAME: S38 Southwick



Ecology Calculations

Maintenance Factor at 1.00

WLC1460-LC-AC-002 R1

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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	383566.02	154833.58	241.54	296.66	1.49	1.50
2	V3	383800.58	154807.10	61.33	5.00	0.99	1.00
3	V2	383783.98	154747.25	61.32	5.00	0.99	1.00
4	V1	383785.07	154685.83	61.31	5.00	0.99	1.00
5	V4	383832.89	154857.39	61.31	5.00	0.99	1.00
6	V5	383868.61	154906.94	27.58	5.00	1.02	1.00

Luminaires

Luminaire B Data

Supplier	
Type	AXIA 3.1 C2.1 - 3K 8 OSLON SQUARE GIA NT 540mA WW Integrated I
Lamp(s)	8 OSLON SQUARE GIANT 540mA WW 30 00K
Lamp Flux (klm)	2.10
File Name	AXIA 3.1 C2.1-3K 8 OSLON SQUARE GIA T 540mA WW 3000K Integrated lenses - 2...
Maintenance Factor	1.00
Lum. Int. Class	G3
No. in Project	26

Layout

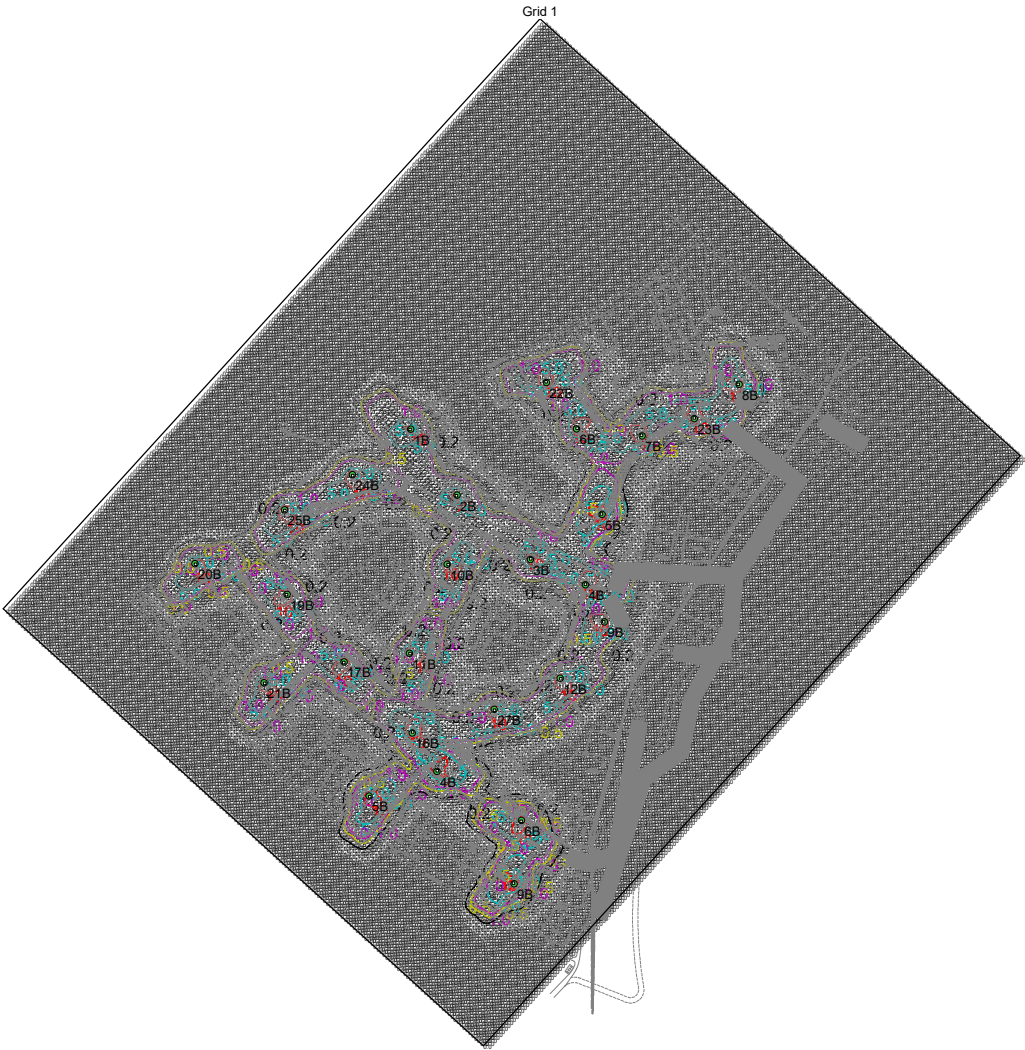
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out- reach	Target X	Target Y	Target Z
10	B	383731.23	154850.11	5.00	337.00	0.00	0.00	0.30			
11	B	383717.10	154816.94	5.00	344.00	0.00	0.00	0.30			
12	B	383773.24	154807.71	5.00	307.00	0.00	0.00	0.30			
4	B	383727.34	154773.03	5.00	56.00	0.00	0.00	0.30			
5	B	383702.10	154763.86	5.00	322.00	0.00	0.00	0.30			
6	B	383758.81	154754.79	5.00	239.00	0.00	0.00	0.30			
16	B	383718.19	154787.38	5.00	71.00	0.00	0.00	0.30			
17	B	383692.88	154813.78	5.00	230.00	0.00	0.00	0.30			
9	B	383756.02	154731.28	5.00	146.00	0.00	0.00	0.30			
20	B	383637.39	154850.34	5.00	302.00	0.00	0.00	0.30			
19	B	383671.67	154838.93	5.00	219.00	0.00	0.00	0.30			
1	B	383717.62	154900.35	6.00	212.00	0.00	0.00	0.30			
2	B	383734.82	154875.85	6.00	236.00	0.00	0.00	0.30			
3	B	383762.11	154851.90	6.00	64.00	0.00	0.00	0.30			
9	B	383789.71	154828.63	5.00	164.00	0.00	0.00	0.30			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
5	B	383788.84	154868.66	5.00	154.00	0.00	0.00	0.30			
7	B	383803.68	154897.88	5.00	137.00	0.00	0.00	0.30			
8	B	383839.77	154916.96	5.00	180.00	0.00	0.00	0.30			
4	B	383782.57	154842.48	5.00	68.00	0.00	0.00	0.30			
6	B	383779.25	154900.50	5.00	34.00	0.00	0.00	0.30			
21	B	383663.04	154806.00	5.00	315.00	0.00	0.00	0.30			
22	B	383768.10	154917.70	5.00	106.00	0.00	0.00	0.30			
23	B	383823.11	154904.25	5.00	92.00	0.00	0.00	0.30			
24	B	383695.95	154883.39	5.00	288.00	0.00	0.00	0.30			
25	B	383670.64	154870.28	5.00	305.00	0.00	0.00	0.30			
27	B	383748.69	154796.10	5.00	282.00	0.00	0.00	0.30			

Horizontal Illuminance (lux)

Grid 1



Results

Eav	0.66
Emin	0.00
Emax	18.28
Emin/Emax	0.00
Emin/Eav	0.00

Illuminance (lux)

V3

[illegible]

Results

Eav	0.04
Emin	0.00
E _{max}	0.16
Emin/E _{max}	0.01
Emin/Eav	0.02

Illuminance (lux)

V2

[illegible]

Results

Eav	0.05
Emin	0.00
E _{max}	0.22
Emin/E _{max}	0.00
Emin/Eav	0.00

Illuminance (lux)

V1

[illegible]

Results

Eav	0.02
Emin	0.00
E _{max}	0.11
Emin/E _{max}	0.00
Emin/Eav	0.00

Illuminance (lux)

V4

[illegible]

Results

Eav	0.02
Emin	0.00
E _{max}	0.05
Emin/E _{max}	0.00
Emin/Eav	0.01

Illuminance (lux)

V5

[illegible]

Results

Eav	0.01
Emin	0.00
E _{max}	0.03
Emin/E _{max}	0.00
Emin/Eav	0.01