

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



The proposed lighting design adheres to the requirements of the following lighting class(es):

Achieved lighting levels: P5

Refer to report for specific results.

WLC1460-LC-AC-001 R2

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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	383679.02	154888.54	123.00	75.00	1.50	1.50
2	Grid 2	383756.63	154844.13	90.00	96.00	1.50	1.50
3	Grid 3	383621.95	154798.89	105.00	96.00	1.50	1.50
4	Grid 4	383689.48	154785.62	110.99	63.00	1.50	1.50
5	Grid 5	383725.35	154841.73	21.00	24.00	1.50	1.50
6	Grid 6	383686.16	154711.79	108.00	81.00	1.50	1.50
7	Grid 7	383653.23	154789.63	33.00	30.00	1.50	1.50
8	Grid 8	383622.34	154834.01	36.00	27.00	1.50	1.50

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 GIAN T 540mA WW 3000K Integrated lenses - 2...
Maintenance Factor	0.80
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	45.00	0.00	0.00	0.30			
5	B	383702.10	154763.86	5.00	329.00	0.00	0.00	0.30			
6	B	383758.81	154754.79	5.00	234.00	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	148.00	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			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
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			
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

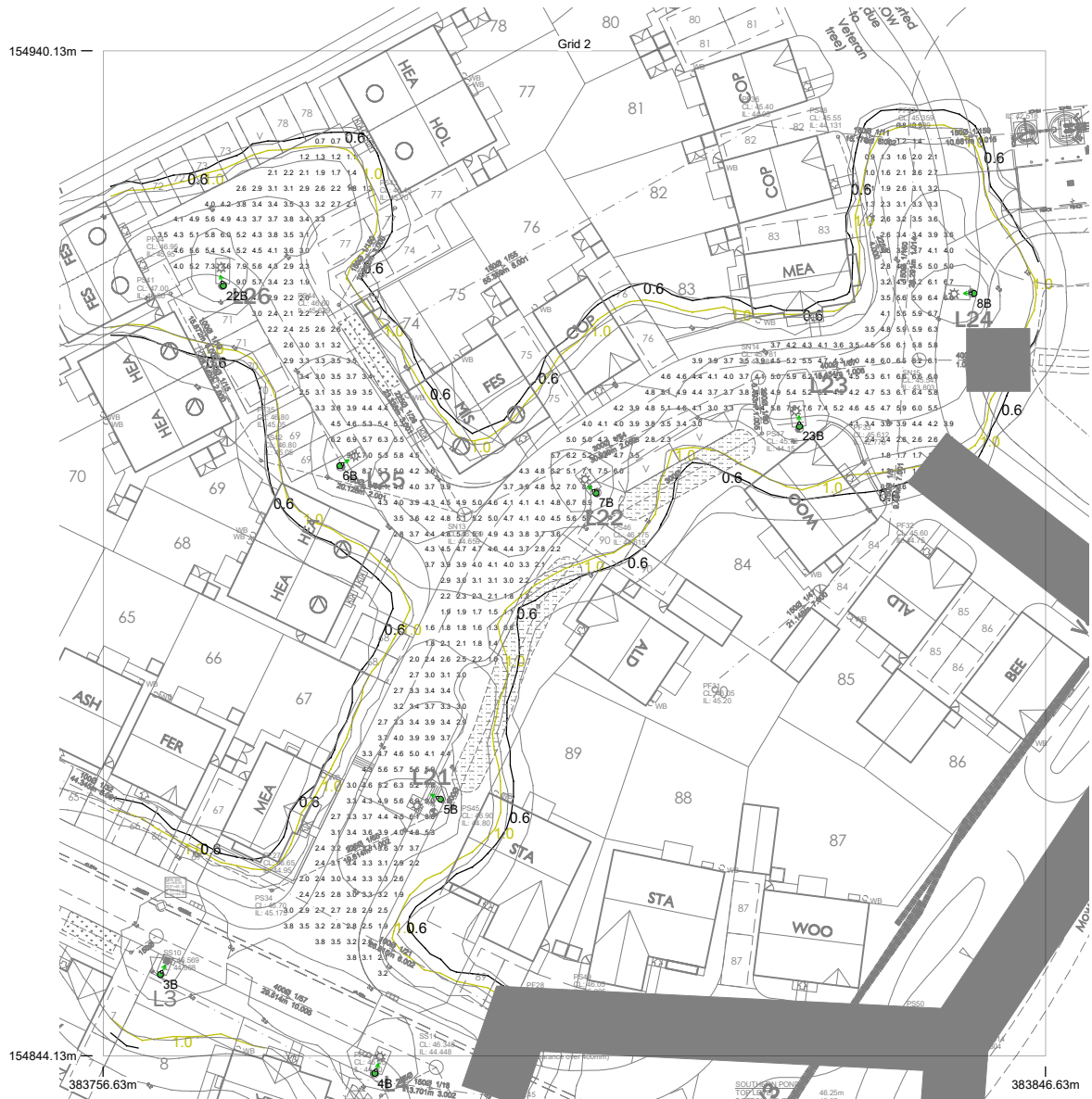


Results

Eav	3.64
Emin	1.10
Emax	10.33
Emin/Emax	0.11
Emin/Eav	0.30

Horizontal Illuminance (lux)

Grid 2



Results

Eav	3.86
Emin	0.65
Emax	9.10
Emin/Emax	0.07
Emin/Eav	0.17

Horizontal Illuminance (lux)

Grid 3

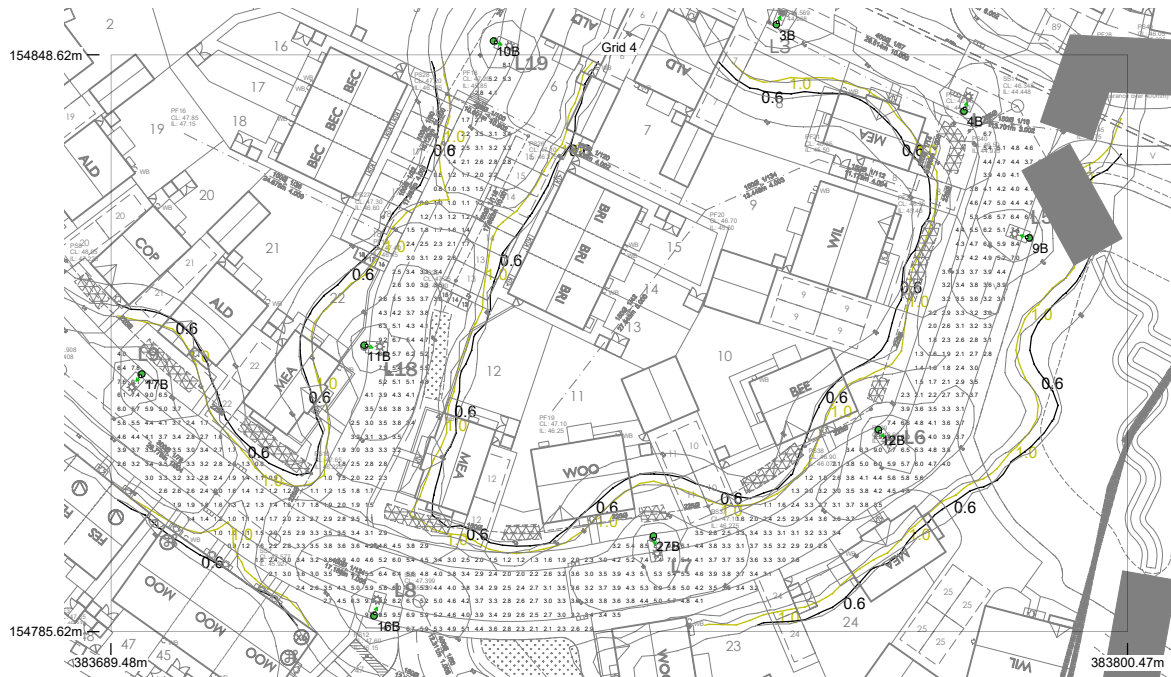


Results

Eav	3.23
Emin	0.62
E _{max}	9.09
Emin/E _{max}	0.07
Emin/Eav	0.19

Horizontal Illuminance (lux)

Grid 4

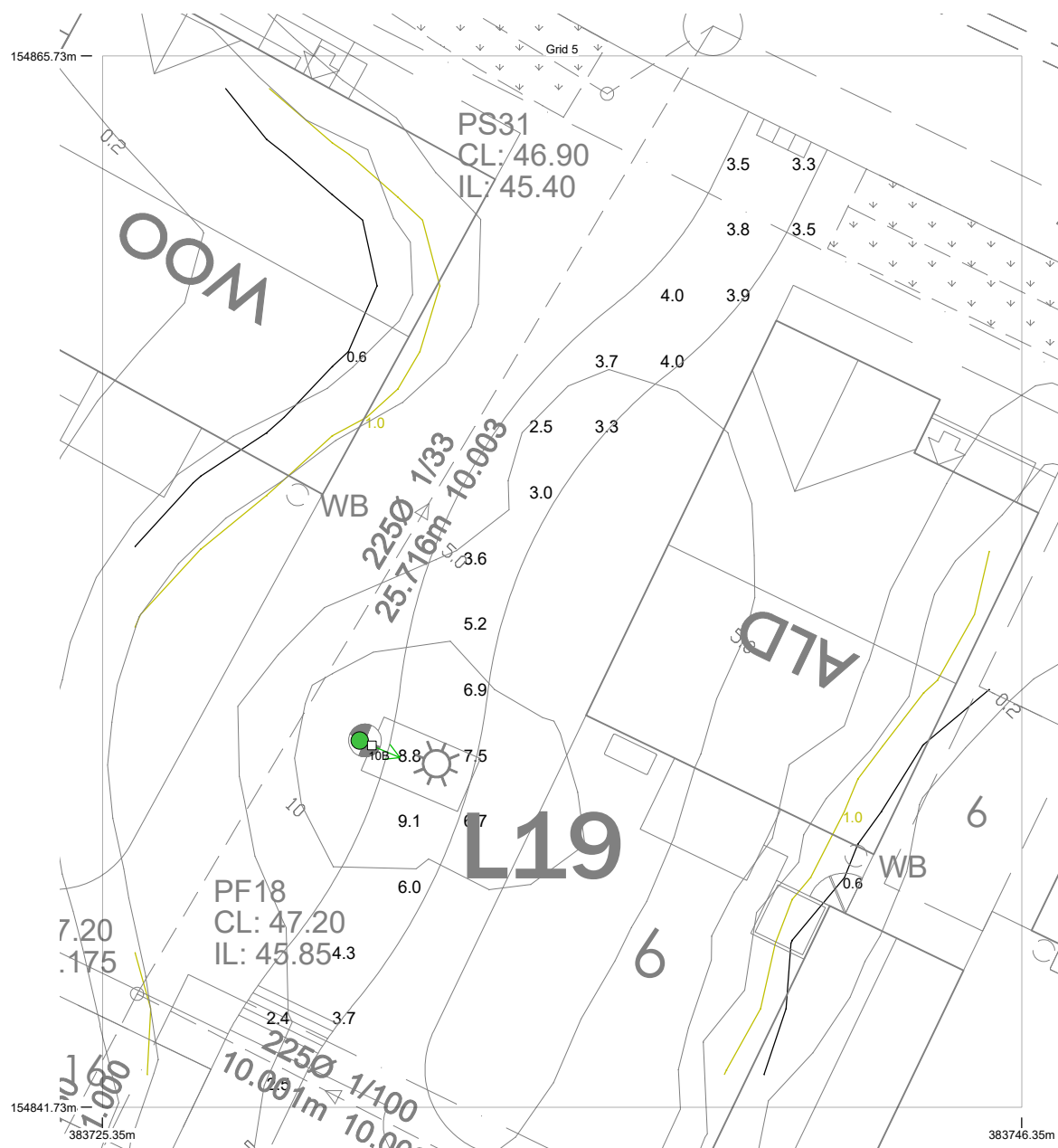


Results

Eav	3.62
Emin	0.79
Emax	9.61
Emin/Emax	0.08
Emin/Eav	0.22

Horizontal Illuminance (lux)

Grid 5



Results

Eav	4.57
Emin	2.44
E _{max}	9.06
Emin/E _{max}	0.27
Emin/Eav	0.53

Horizontal Illuminance (lux)

Grid 6

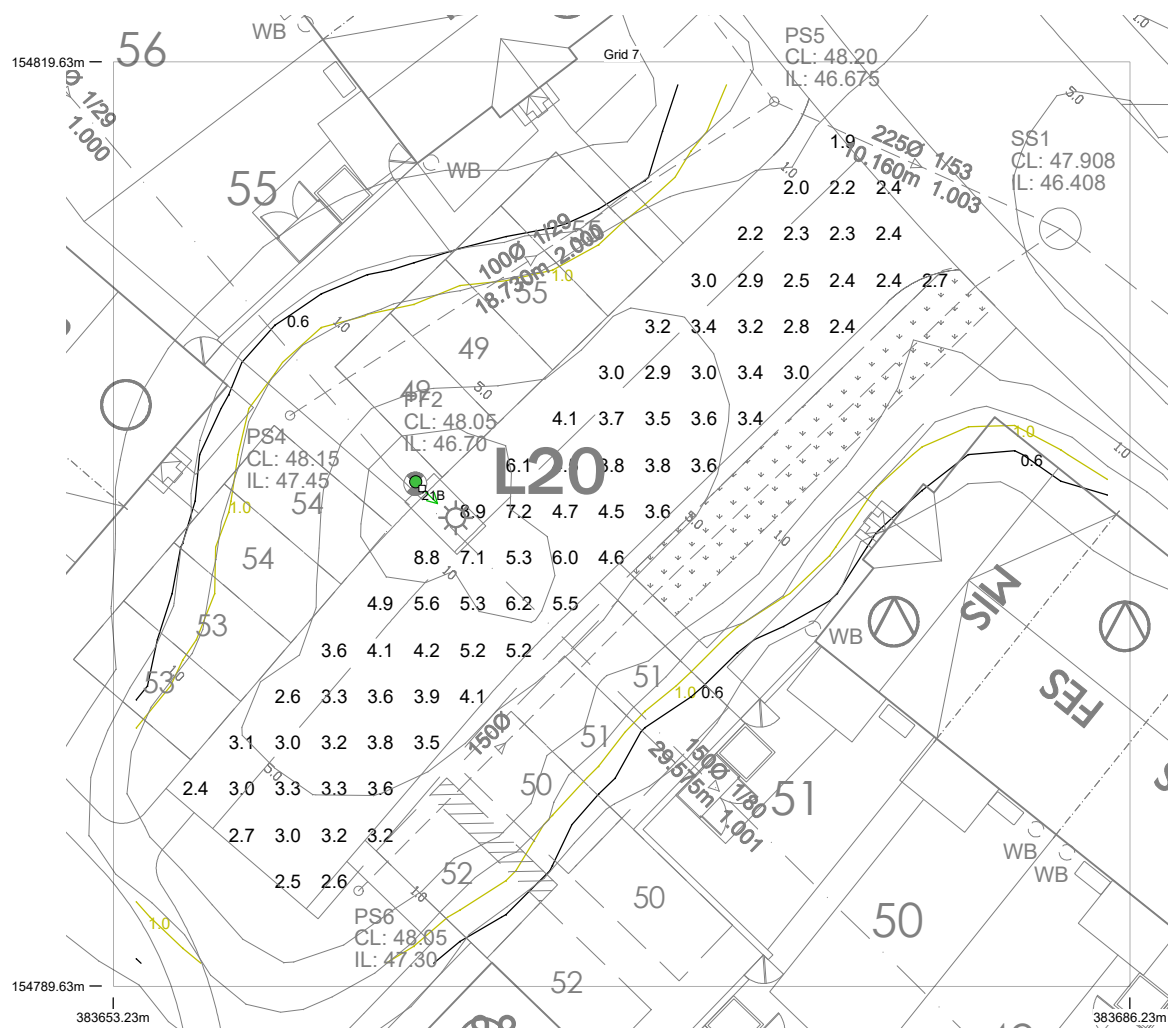


Results

Eav	3.80
Emin	0.63
Emax	9.75
Emin/Emax	0.07
Emin/Eav	0.17

Horizontal Illuminance (lux)

Grid 7



Results

Eav	3.75
Emin	1.93
Emax	8.94
Emin/Emax	0.22
Emin/Eav	0.52

Horizontal Illuminance (lux)

Grid 8



Results

Eav	3.55
Emin	0.79
Emax	8.76
Emin/Emax	0.09
Emin/Eav	0.22