

DATE: 26 November 2025
DESIGNER: WLC
PROJECT No: WLC1381-PVT
PROJECT NAME: Private South Wick Court Farm



R1: Client Review

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

Achieved lighting levels: P5

Refer to report for specific results.

WLC1381-PVT-LC-AC-001 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	384694.94	155920.58	63.00	108.00	1.50	1.50
2	Grid 2	384766.41	155904.84	61.35	87.00	1.50	1.50
3	Grid 3	384837.55	155889.47	48.00	60.00	1.50	1.50
4	Grid 4	384723.72	155850.27	48.00	66.00	1.50	1.50
5	Grid 5	384815.90	155791.20	113.64	111.00	1.50	1.50
6	Grid 6	384914.90	155744.14	63.00	120.00	1.50	1.50
7	Grid 7	385033.69	155726.78	71.76	46.49	1.50	1.50

Luminaires



Luminaire A Data

Supplier	
Type	AXIA 3.1 B3.6 - 3K 16 OSLO SQUARE GIANT 460mA WW Integrated
Lamp(s)	16 OSLO SQUARE GIANT 460mA WW 3000K
Lamp Flux (klm)	3.65
File Name	AXIA 3.1 B3.6-3K 16 OSLO SQUARE GIANT 460mA WW 3000K Integrated lenses - ...
Maintenance Factor	0.76
Lum. Int. Class	G3
No. in Project	18

Luminaire B Data

Supplier	Urbis Schreder
Type	AXIA 3.1 5266 Integrated lenses 8 OSLO SQUARE GIANT@600mA W
Lamp(s)	8 OSLO SQUARE GIANT@600mA WW 727 230V 01-37-041
LampFlux(klm)/Colour	1.87 WW 2700K/70
File Name	AXIA 3.1 5266 8 OSLO SQUARE GIANT 600mA WW 727 16.6W 429092 Integrated I...
Maintenance Factor	0.76
Lum. Int. Class	G1
No. in Project	22

Luminaire C Data

Supplier	
Type	AXIA 3.1 B1.0 - 27K 8 OSLO SQUARE GIANT 270mA WW Integrated
Lamp(s)	8 OSLO SQUARE GIANT 270mA WW 2700K
Lamp Flux (klm)	1.08
File Name	AXIA 3.1 B1.0-27K 8 OSLO SQUARE GIANT 270mA WW 2700K Integrated lenses - ...
Maintenance Factor	0.76
Lum. Int. Class	G3
No. in Project	2

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	385046.06	155711.86	6.00	201.00	0.00	0.00	0.30			
2	A	385030.11	155730.65	6.00	22.00	0.00	0.00	0.30			
3	A	385028.97	155762.29	6.00	197.00	0.00	0.00	0.30			
4	A	385017.72	155795.39	6.00	199.00	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	A	384999.63	155826.01	6.00	233.00	0.00	0.00	0.30			
6	A	385025.66	155708.81	6.00	291.00	0.00	0.00	0.30			
7	A	384968.99	155845.42	6.00	240.00	0.00	0.00	0.30			
8	A	384938.56	155864.82	6.00	239.00	0.00	0.00	0.30			
9	A	384912.24	155870.73	6.00	73.00	0.00	0.00	0.30			
10	A	384883.12	155885.68	6.00	259.00	0.00	0.00	0.30			
11	A	384839.27	155893.64	6.00	261.00	0.00	0.00	0.30			
12	A	384801.98	155892.53	6.00	78.00	0.00	0.00	0.30			
13	A	384766.16	155901.12	6.00	78.00	0.00	0.00	0.30			
14	A	384736.53	155907.32	6.00	80.00	0.00	0.00	0.30			
15	A	384703.19	155913.72	6.00	79.00	0.00	0.00	0.30			
16	A	384673.57	155935.44	6.00	222.00	0.00	0.00	0.30			
17	A	384662.97	155965.87	6.00	199.00	0.00	0.00	0.30			
18	A	384645.93	155998.68	6.00	215.00	0.00	0.00	0.30			
32	B	384738.80	155939.45	6.00	343.00	0.00	0.00	0.30			
33	B	384745.50	155977.49	6.00	346.00	0.00	0.00	0.30			
34	B	384755.48	155999.62	6.00	254.00	0.00	0.00	0.30			
35	B	384725.17	156006.76	6.00	258.00	0.00	0.00	0.30			
36	B	384807.23	155918.91	6.00	166.00	0.00	0.00	0.30			
37	B	384814.32	155946.19	6.00	161.00	0.00	0.00	0.30			
38	B	384818.94	155972.80	6.00	241.00	0.00	0.00	0.30			
39	C	384866.62	155900.48	6.00	170.00	0.00	0.00	0.30			
42	B	384758.48	155880.57	6.00	171.00	0.00	0.00	0.30			
43	B	384748.02	155850.72	6.00	75.00	0.00	0.00	0.30			
44	B	384861.64	155861.99	6.00	171.00	0.00	0.00	0.30			
45	B	384855.24	155829.24	6.00	171.00	0.00	0.00	0.30			
46	B	384853.32	155798.29	6.00	57.00	0.00	0.00	0.30			
47	B	384877.21	155783.82	6.00	60.00	0.00	0.00	0.30			
48	B	384900.71	155791.40	6.00	147.00	0.00	0.00	0.30			
49	B	384906.24	155816.91	6.00	333.00	0.00	0.00	0.30			
50	B	384931.70	155840.31	6.00	147.00	0.00	0.00	0.30			
51	B	384985.67	155805.94	6.00	150.00	0.00	0.00	0.30			
52	B	384959.85	155782.53	6.00	328.00	0.00	0.00	0.30			
53	B	384946.85	155761.26	6.00	332.00	0.00	0.00	0.30			
54	B	384946.50	155742.14	6.00	60.00	0.00	0.00	0.30			
55	B	385053.57	155756.21	6.00	103.00	0.00	0.00	0.30			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
56	B	385080.85	155769.02	6.00	213.00	0.00	0.00	0.30			
55	C	384871.20	155925.39	6.00	171.00	0.00	0.00	0.30			

Horizontal Illuminance (lux)

Grid 1

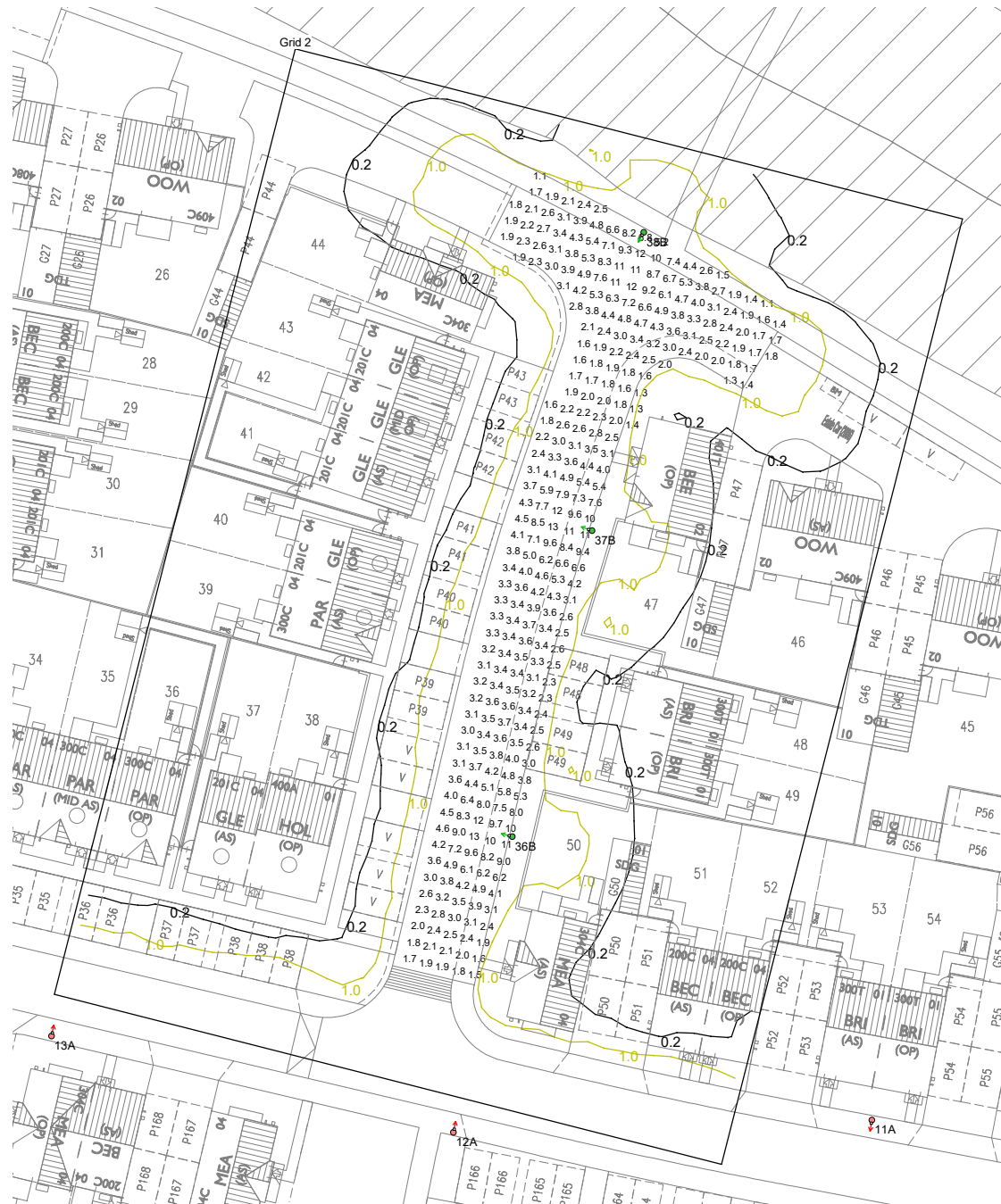


Results

Eav	3.71
Emin	0.85
E _{max}	13.96
Emin/E _{max}	0.06
Emin/Eav	0.23

Horizontal Illuminance (lux)

Grid 2



Results

Eav	4.14
Emin	1.05
Emax	13.08
Emin/Emax	0.08
Emin/Eav	0.25

Horizontal Illuminance (lux)

Grid 3

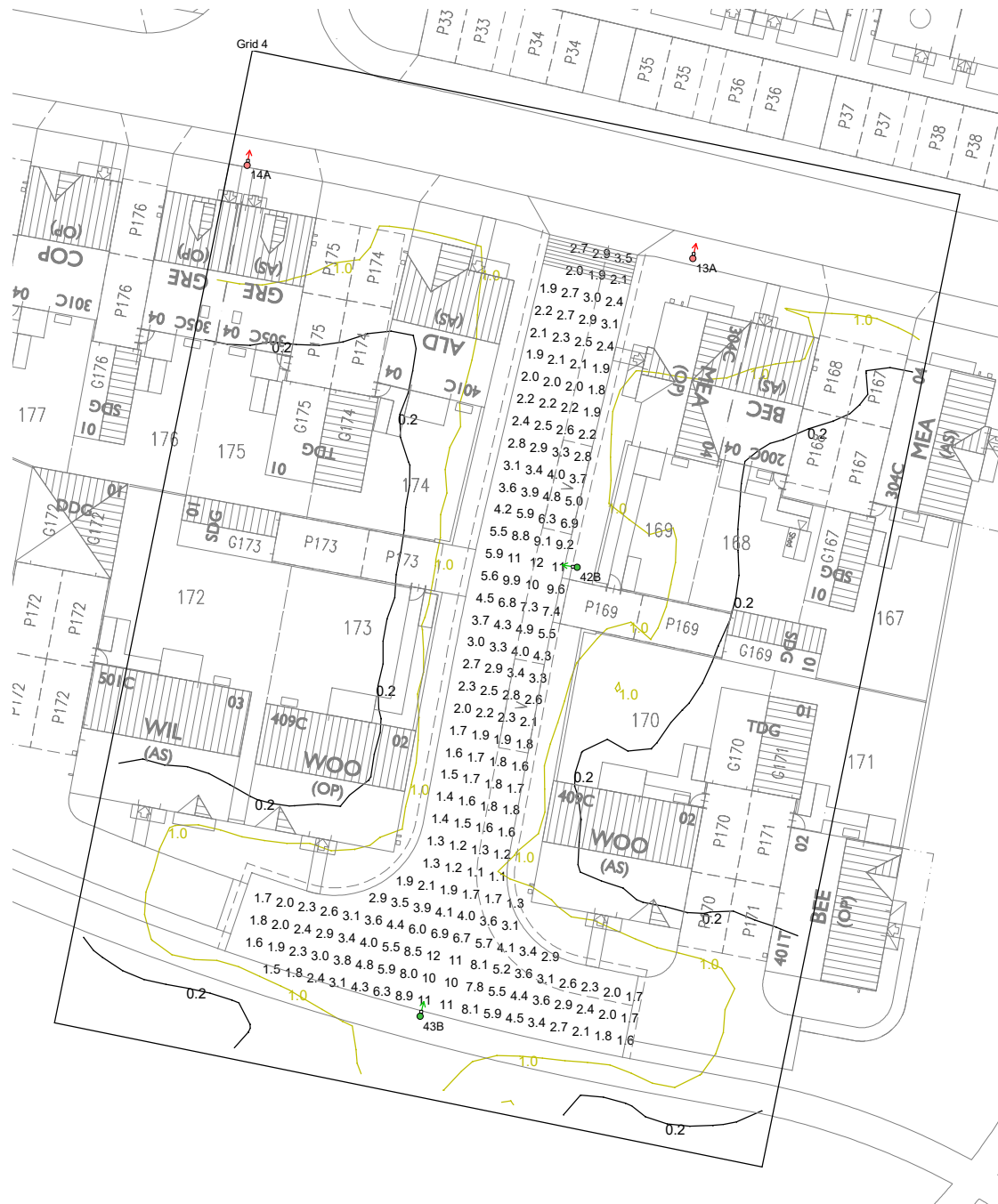


Results

Eav	2.82
Emin	0.82
Emax	6.90
Emin/Emax	0.12
Emin/Eav	0.29

Horizontal Illuminance (lux)

Grid 4



Results

Eav	3.73
Emin	1.07
Emax	11.78
Emin/Emax	0.09
Emin/Eav	0.29

Horizontal Illuminance (lux)

Grid 5



Results

Eav	4.18
Emin	1.24
Emax	12.93
Emin/Emax	0.10
Emin/Eav	0.30

Horizontal Illuminance (lux)

Grid 6



Results

Eav	4.25
Emin	0.79
Emax	13.54
Emin/Emax	0.06
Emin/Eav	0.18

Horizontal Illuminance (lux)

Grid 7



Results

Eav	3.54
Emin	1.00
Emax	12.85
Emin/Emax	0.08
Emin/Eav	0.28