

DATE: 29 May 2026
DESIGNER: WLC
PROJECT No: WLC1381
PROJECT NAME: South Wick Court Farm



R7: Revised layout

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

Achieved lighting levels: P4 (Spine Rd) & P5 (Side Rds)

Refer to report for specific results.

WLC1381-LC-AC-001 R7

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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	384703.25	155850.61	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	384915.79	155745.86	131.68	118.06	1.50	1.49
7	Grid 7	385033.69	155726.78	71.76	46.49	1.50	1.50
8	Grid 8	384626.54	155861.60	277.47	157.10	1.50	1.50
9	Grid 9	384882.81	155681.06	181.34	216.43	1.50	1.49

Luminaires

Luminaire A Data

Supplier	
Type	AXIA 3.1 C3.5 - 27K 16 OSLON SQUARE GIANT 460mA WW Integrated
Lamp(s)	16 OSLON SQUARE GIANT 460mA WW 2700K
Lamp Flux (klm)	3.50
File Name	AXIA 3.1 C3.5-27K 16 OSLON SQUARE GIANT 460mA WW 2700K Integrated lenses ...
Maintenance Factor	0.84
Lum. Int. Class	G3
No. in Project	19

Luminaire B Data

Supplier	Urbis Schreder
Type	AXIA 3.1 5266 Integrated lenses 8 OSLON SQUARE GIANT@600mA W
Lamp(s)	8 OSLON SQUARE GIANT@600mA WW 727 230V 01-37-041
LampFlux(klm)/Colour	1.87 WW 2700K/70
File Name	AXIA 3.1 5266 8 OSLON SQUARE GIANT 600mA WW 727 16.6W 429092 Integrated I...
Maintenance Factor	0.84
Lum. Int. Class	G1
No. in Project	24



Luminaire C Data

Supplier	
Type	AXIA 3.1 B1.0 - 27K 8 OSLON SQUARE GIANT 270mA WW Integrated
Lamp(s)	8 OSLON SQUARE GIANT 270mA WW 2700K
Lamp Flux (klm)	1.08
File Name	AXIA 3.1 B1.0-27K 8 OSLON SQUARE GIANT 270mA WW 2700K Integrated lenses - ...
Maintenance Factor	0.84
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	385039.91	155702.71	6.00	14.00	0.00	0.00	0.30			
2	A	385030.11	155730.65	6.00	22.00	0.00	0.00	0.30			
3	A	385032.62	155757.24	6.00	197.00	0.00	0.00	0.30			
4	A	385022.12	155788.11	6.00	199.00	0.00	0.00	0.30			
5	A	384987.44	155835.65	6.00	236.00	0.00	0.00	0.30			
6	B	384988.43	155722.97	6.00	239.00	0.00	0.00	0.30			
7	A	384961.89	155852.00	6.00	239.00	0.00	0.00	0.30			
8	A	384938.95	155866.52	6.00	239.00	0.00	0.00	0.30			
9	A	384907.07	155880.87	6.00	265.00	0.00	0.00	0.30			
10	A	384873.72	155887.12	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	384781.93	155893.28	6.00	78.00	0.00	0.00	0.30			
13	A	384747.85	155901.17	6.00	78.00	0.00	0.00	0.30			
14	A	384727.00	155905.31	6.00	80.00	0.00	0.00	0.30			
15	A	384697.53	155910.77	6.00	79.00	0.00	0.00	0.30			
16	A	384673.61	155933.90	6.00	222.00	0.00	0.00	0.30			
17	A	384663.22	155961.22	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	384748.96	155936.83	6.00	169.00	0.00	0.00	0.30			
33	B	384755.26	155982.41	6.00	169.00	0.00	0.00	0.30			
34	B	384755.76	156000.34	6.00	254.00	0.00	0.00	0.30			
35	B	384725.25	156007.55	6.00	258.00	0.00	0.00	0.30			
36	B	384800.65	155923.75	6.00	344.00	0.00	0.00	0.30			
37	B	384806.97	155948.26	6.00	341.00	0.00	0.00	0.30			
38	B	384819.33	155974.29	6.00	241.00	0.00	0.00	0.30			
39	C	384869.57	155901.46	6.00	166.00	0.00	0.00	0.30			
42	B	384730.07	155884.79	6.00	347.00	0.00	0.00	0.30			
43	B	384725.34	155851.80	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	384854.16	155825.62	6.00	166.00	0.00	0.00	0.30			
46	B	384854.36	155796.22	6.00	59.00	0.00	0.00	0.30			
47	B	384876.01	155782.88	6.00	60.00	0.00	0.00	0.30			
48	B	384899.86	155792.09	6.00	147.00	0.00	0.00	0.30			
49	B	384906.07	155815.86	6.00	333.00	0.00	0.00	0.30			
50	B	384932.36	155842.92	6.00	147.00	0.00	0.00	0.30			
51	B	384978.77	155813.17	6.00	329.00	0.00	0.00	0.30			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
52	B	384963.47	155775.62	6.00	149.00	0.00	0.00	0.30			
53	B	384950.12	155751.99	6.00	150.00	0.00	0.00	0.30			
54	B	384945.39	155740.89	6.00	60.00	0.00	0.00	0.30			
55	B	385054.84	155755.97	6.00	103.00	0.00	0.00	0.30			
56	B	385084.60	155770.71	6.00	213.00	0.00	0.00	0.30			
55	C	384873.17	155924.76	6.00	171.00	0.00	0.00	0.30			
43	A	384803.56	155892.30	6.00	78.00	0.00	0.00	0.30			
44	A	385012.23	155815.55	6.00	205.00	0.00	0.00	0.30			
45	B	385022.22	155699.91	6.00	94.00	0.00	0.00	0.30			

Horizontal Illuminance (lux)

Grid 1



Results

Eav	4.32
Emin	0.69
Emax	14.56
Emin/Emax	0.05
Emin/Eav	0.16

Horizontal Illuminance (lux)

Grid 2



Results

Eav	4.83
Emin	1.50
Emax	15.02
Emin/Emax	0.10
Emin/Eav	0.31

Horizontal Illuminance (lux)

Grid 3

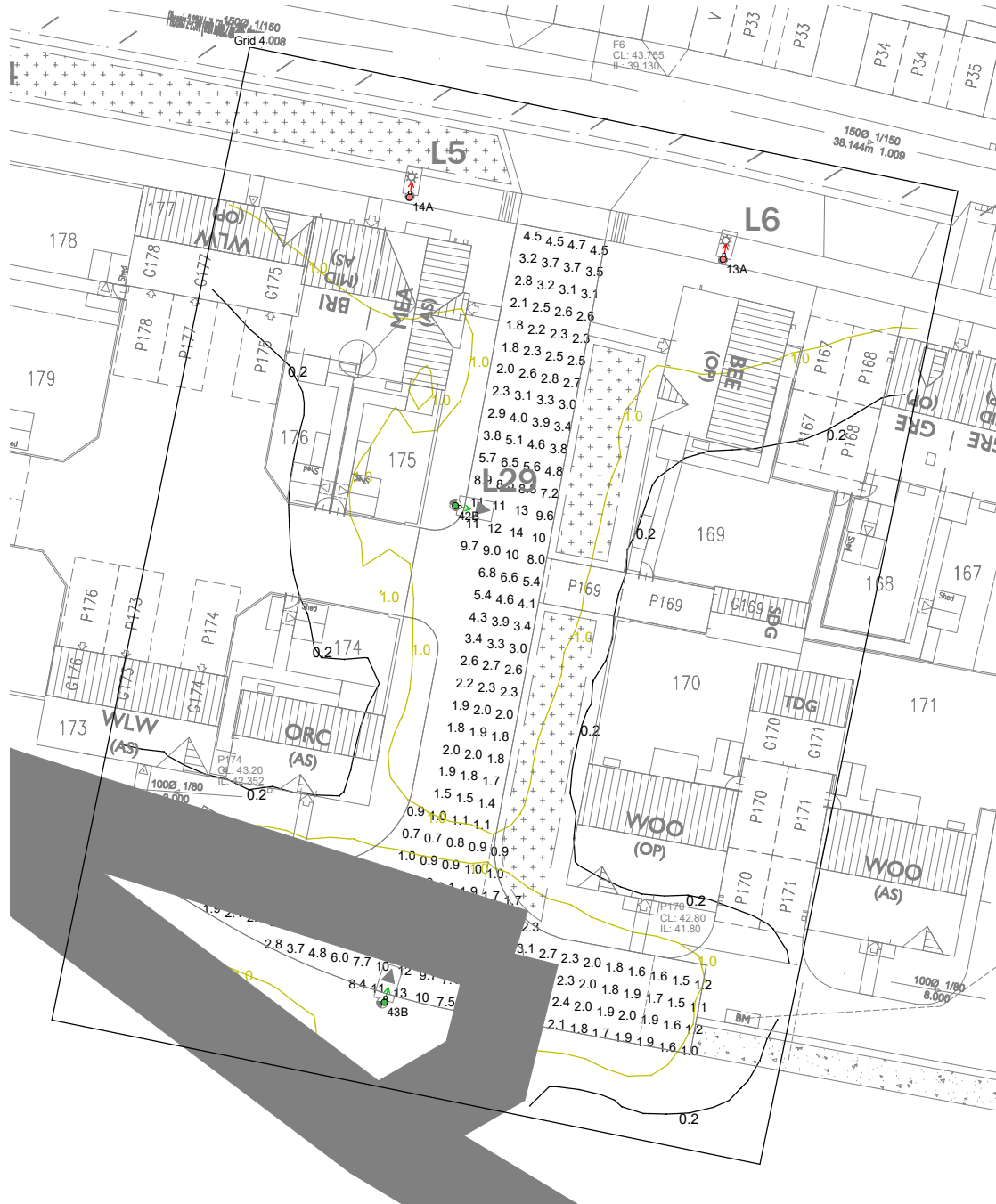


Results

Eav	3.36
Emin	1.72
Emax	7.66
Emin/Emax	0.22
Emin/Eav	0.51

Horizontal Illuminance (lux)

Grid 4



Results

Eav	3.89
Emin	0.70
Emax	14.85
Emin/Emax	0.05
Emin/Eav	0.18

Horizontal Illuminance (lux)

Grid 5



Results

Eav	4.78
Emin	0.97
Emax	15.04
Emin/Emax	0.06
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 6



Results

Eav	4.37
Emin	0.67
Emax	15.44
Emin/Emax	0.04
Emin/Eav	0.15

Horizontal Illuminance (lux)

Grid 7



Results

Eav	4.05
Emin	0.74
Emax	13.87
Emin/Emax	0.05
Emin/Eav	0.18

Horizontal Illuminance (lux)

Grid 8



Results

Eav	5.08
Emin	1.00
Emax	11.97
Emin/Emax	0.08
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 9



Results

Eav	5.51
Emin	1.48
Emax	12.46
Emin/Emax	0.12
Emin/Eav	0.27