

DATE: 19 December 2025
DESIGNER: The Lighting Bee Ltd
PROJECT No: 1775
PROJECT NAME: Spitfire Rd, Calne



S38 Street Lighting Strategy

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 - P5	0.00	100.00	375.00	375.00	1.50	1.50
2	Grid 2 - P4	90.00	165.00	140.00	90.00	1.49	1.50

Luminaire

Luminaire A Data

Supplier	
Type	AXIA 3.1 C2.1 - 3K 8 OSLON SQUARE GIANT 540mA WW Integrated I
Lamp(s)	8 OSLON SQUARE GIANT 540mA WW 3000K
Lamp Flux (klm)	2.10
File Name	AXIA 3.1 C2.1 - 3K 8 OSLON SQUARE GIANT 540mA WW 3000K Integrated lenses - ...
Maintenance Factor	0.87
Imax70,80,90(cd/klm)	862.0, 84.6, 0.0
No. in Project	13

Luminaire B Data

Supplier	
Type	AXIA 3.1 C2.1 - 3K BL 8 OSLON SQUARE GIANT 540mA WW 3000K Int
Lamp(s)	8 OSLON SQUARE GIANT 540mA WW 3000K
Lamp Flux (klm)	2.10
File Name	AXIA 3.1 C2.1 - 3K BL 8 OSLON SQUARE GIANT 540mA WW 3000K Integrated lens...
Maintenance Factor	0.87
Imax70,80,90(cd/klm)	742.5, 62.1, 4.3
No. in Project	4

Luminaire C Data

Supplier	
Type	AXIA 3.1 C3.6 - 3K BL 16 OSLON SQUARE GIANT 460mA WW 3000K In
Lamp(s)	16 OSLON SQUARE GIANT 460mA WW 3000K
Lamp Flux (klm)	3.65
File Name	AXIA 3.1 C3.6 - 3K BL 16 OSLON SQUARE GIANT 460mA WW 3000K Integrated lens...
Maintenance Factor	0.87
Imax70,80,90(cd/klm)	742.5, 62.1, 4.3
No. in Project	3

Layout

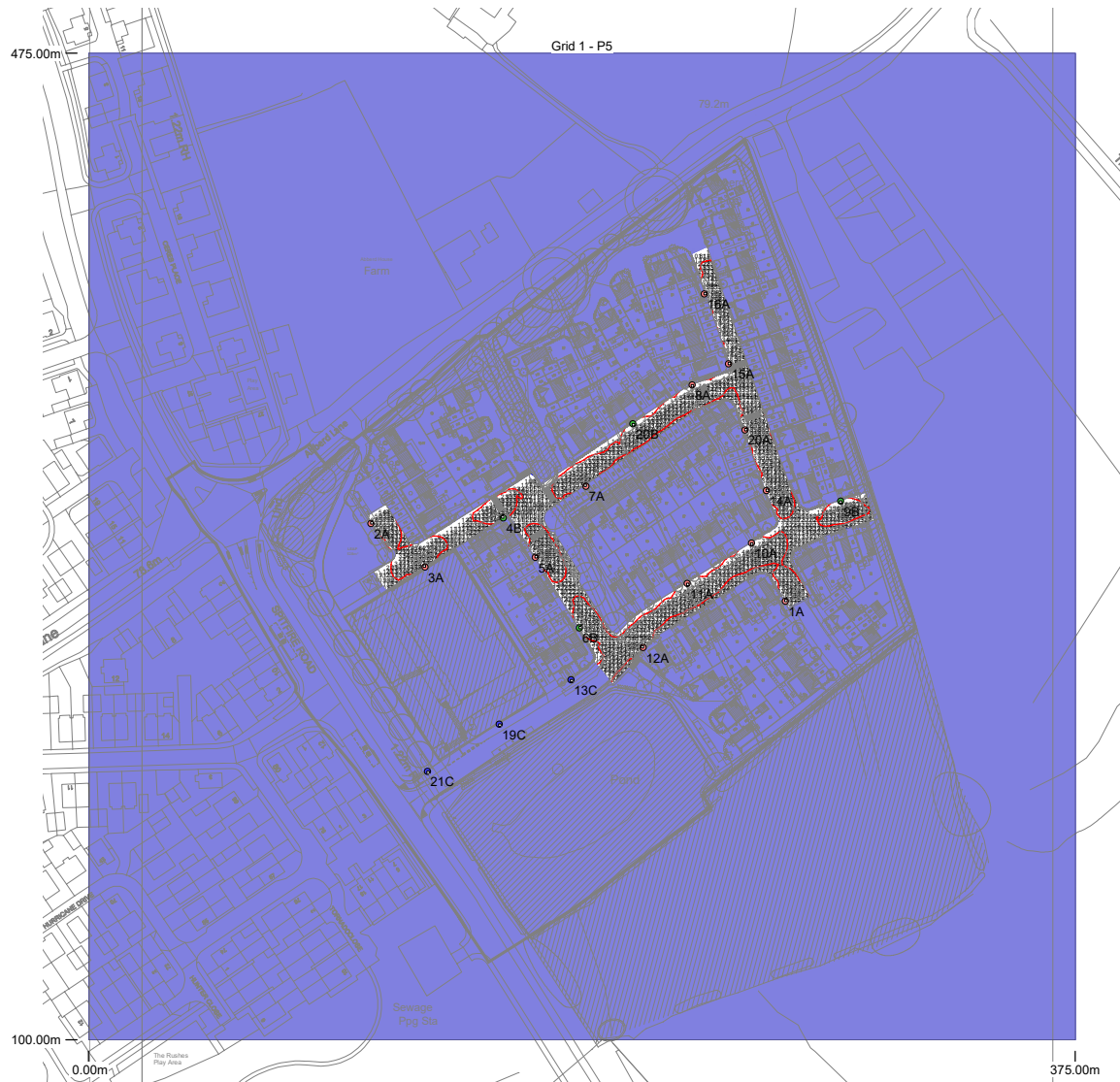
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	264.70	266.76	5.00	31.00	0.00	0.00	0.40			
2	A	107.30	296.35	5.00	29.00	0.00	0.00	0.40			
3	A	127.84	279.79	5.00	123.00	0.00	0.00	0.40			
4	B	157.60	298.45	5.00	123.00	0.00	0.00	0.40			
5	A	169.79	283.43	5.00	29.00	0.00	0.00	0.40			
6	B	186.53	256.58	5.00	34.00	0.00	0.00	0.40			
7	A	189.02	310.48	5.00	123.00	0.00	0.00	0.40			
8	A	229.30	348.95	5.00	295.00	0.00	0.00	0.40			
9	B	285.71	304.83	5.00	286.00	0.00	0.00	0.40			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
10	A	251.84	288.83	5.00	296.00	0.00	0.00	0.40			
11	A	227.46	273.50	5.00	301.00	0.00	0.00	0.40			
12	A	210.74	249.18	5.00	137.00	0.00	0.00	0.40			
13	C	183.35	236.92	5.00	302.00	0.00	0.00	0.40			
14	A	257.58	308.75	5.00	19.00	0.00	0.00	0.40			
15	A	243.16	356.94	5.00	22.00	0.00	0.00	0.40			
16	A	233.92	383.53	5.00	16.00	0.00	0.00	0.40			
19	C	156.07	220.04	5.00	303.00	0.00	0.00	0.40			
20	B	206.84	334.16	5.00	306.00	0.00	0.00	0.40			
21	C	128.79	202.07	5.00	306.00	0.00	0.00	0.40			
20	A	249.39	331.84	5.00	15.00	0.00	0.00	0.40			

Horizontal Illuminance (lux)

Grid 1 - P5

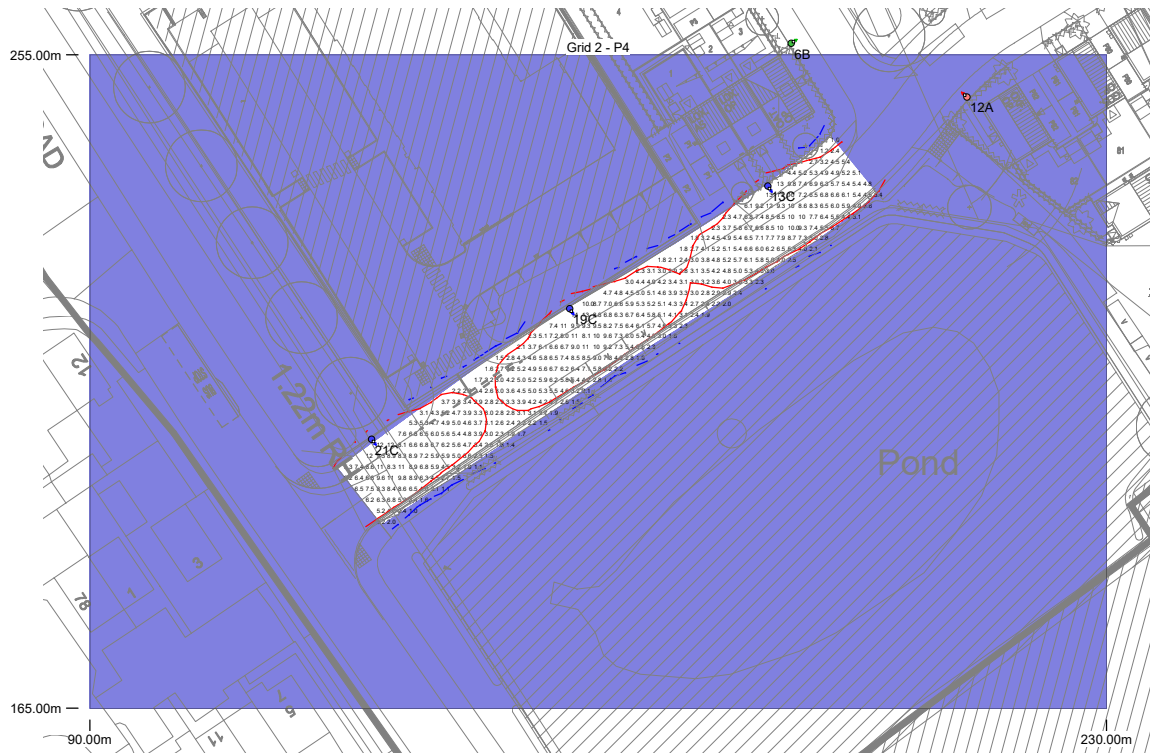


Results

Eav	3.78
Emin	0.60
E _{max}	9.92
Emin/E _{max}	0.06
Emin/Eav	0.16

Horizontal Illuminance (lux)

Grid 2 - P4



Results

Eav	5.24
Emin	1.03
Emax	14.31
Emin/Emax	0.07
Emin/Eav	0.20