

DATE: 20 October 2025
DESIGNER: John Strugnell
PROJECT No: 7371
PROJECT NAME: South Wokingham

**LIGHTING
REALITY**

Private Lighting design to P5
Rev A - Updated to latest layout

Outdoor Lighting Report

Layout Report

General Data

Dimensions in Metres Angles in Degrees
Grid Origin 482754.0m x 167440.1m
Area 482.3m x 450.0m
Sample Spacing 1.93m x 1.80m

Luminaires



Luminaire A Data

Supplier	Philips
Type	BGP702 DM10
Lamp(s)	LED-HB 5.2S 740
Lamp Flux (klm)	2.00
File Name	Luma Gen2 Micro_BGP702_DM10_2000_1 0LED_5.2S_CLO_L90_740.ies
Maintenance Factor	0.83
Imax70,80,90(cd/klm)	523.4, 90.0, 0.0
Lamp S/P Ratio	1.61
No. in Project	44

Layout

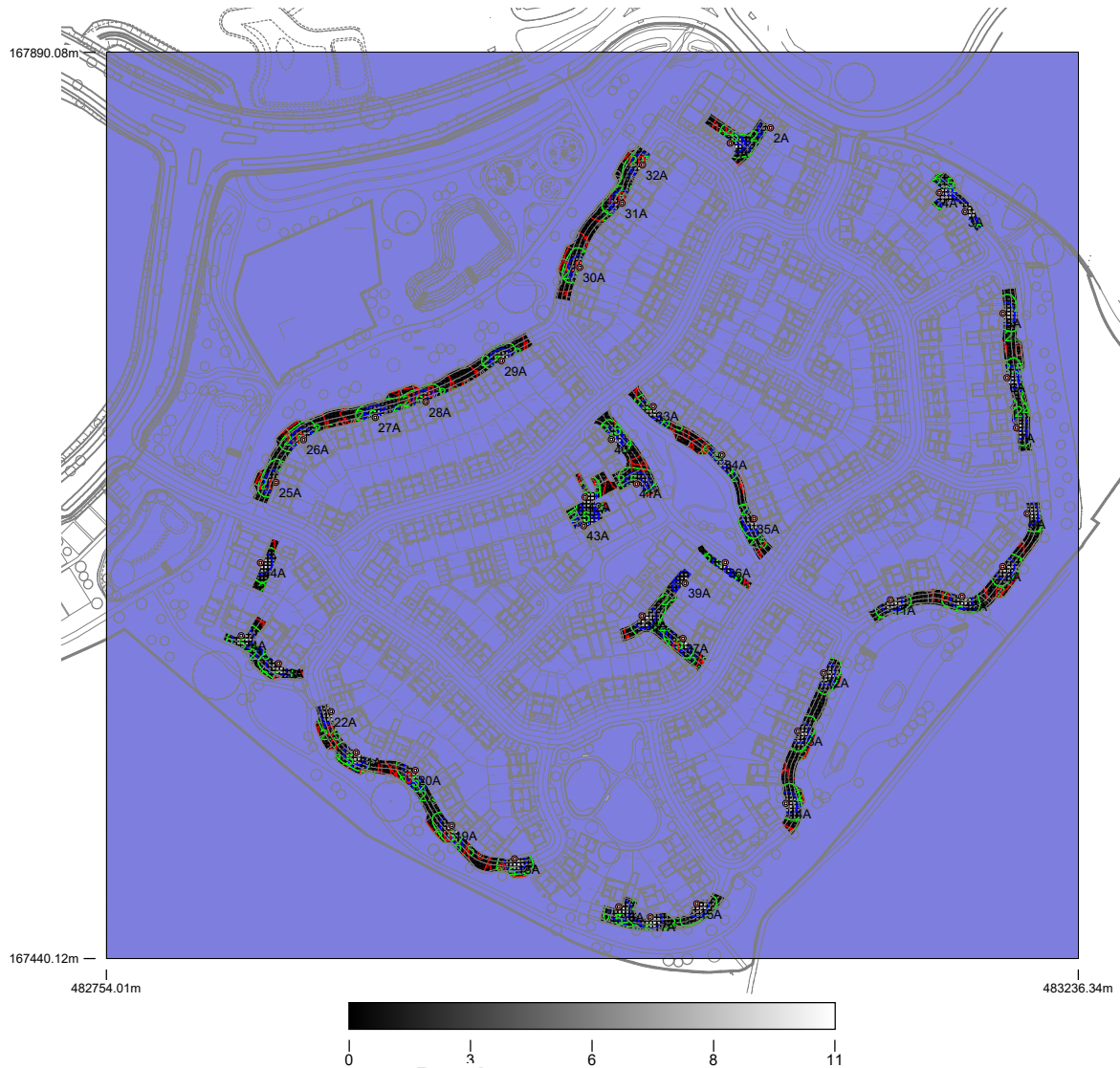
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	483063.54	167844.98	6.00	40.00	0.00	0.00	0.00			
2	A	483083.48	167852.49	6.00	147.00	0.00	0.00	0.00			
3	A	483179.97	167810.93	6.00	35.00	0.00	0.00	0.00			
4	A	483167.20	167820.42	6.00	6.00	0.00	0.00	0.00			
5	A	483198.87	167760.53	6.00	9.00	0.00	0.00	0.00			
6	A	483200.80	167728.64	6.00	2.00	0.00	0.00	0.00			
7	A	483205.54	167703.73	6.00	3.00	0.00	0.00	0.00			
8	A	483198.59	167634.93	6.00	317.00	0.00	0.00	0.00			
9	A	483210.75	167661.20	6.00	5.00	0.00	0.00	0.00			
10	A	483178.49	167619.93	6.00	258.00	0.00	0.00	0.00			
11	A	483142.92	167618.34	6.00	294.00	0.00	0.00	0.00			
12	A	483109.79	167582.06	6.00	335.00	0.00	0.00	0.00			
13	A	483096.82	167553.20	6.00	333.00	0.00	0.00	0.00			
14	A	483091.04	167517.33	6.00	12.00	0.00	0.00	0.00			
15	A	483046.85	167467.49	6.00	308.00	0.00	0.00	0.00			
16	A	483008.11	167465.91	6.00	298.00	0.00	0.00	0.00			
17	A	483023.77	167460.85	6.00	282.00	0.00	0.00	0.00			
18	A	482956.49	167489.71	6.00	274.00	0.00	0.00	0.00			
19	A	482925.42	167506.31	6.00	216.00	0.00	0.00	0.00			
20	A	482907.23	167533.67	6.00	214.00	0.00	0.00	0.00			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out- reach	Target X	Target Y	Target Z
21	A	482877.98	167542.52	6.00	238.00	0.00	0.00	0.00			
22	A	482865.57	167562.92	6.00	196.00	0.00	0.00	0.00			
23	A	482839.40	167586.72	6.00	235.00	0.00	0.00	0.00			
24	A	482820.90	167600.56	6.00	301.00	0.00	0.00	0.00			
25	A	482838.21	167676.69	6.00	154.00	0.00	0.00	0.00			
26	A	482851.81	167697.72	6.00	129.00	0.00	0.00	0.00			
27	A	482887.47	167708.87	6.00	107.00	0.00	0.00	0.00			
28	A	482912.45	167716.54	6.00	113.00	0.00	0.00	0.00			
29	A	482950.00	167736.94	6.00	116.00	0.00	0.00	0.00			
30	A	482988.82	167783.27	6.00	158.00	0.00	0.00	0.00			
31	A	483009.77	167815.21	6.00	133.00	0.00	0.00	0.00			
32	A	483020.05	167834.10	6.00	139.00	0.00	0.00	0.00			
33	A	483025.28	167714.25	6.00	225.00	0.00	0.00	0.00			
34	A	483059.40	167690.11	6.00	225.00	0.00	0.00	0.00			
35	A	483075.34	167658.63	6.00	208.00	0.00	0.00	0.00			
36	A	483060.96	167636.79	6.00	231.00	0.00	0.00	0.00			
37	A	483040.13	167599.14	6.00	222.00	0.00	0.00	0.00			
38	A	483019.65	167610.33	6.00	323.00	0.00	0.00	0.00			
39	A	483041.15	167626.55	6.00	146.00	0.00	0.00	0.00			
40	A	483004.45	167697.91	6.00	41.00	0.00	0.00	0.00			
41	A	483017.00	167675.85	6.00	84.00	0.00	0.00	0.00			
42	A	482991.39	167669.35	6.00	1.00	0.00	0.00	0.00			
43	A	482990.89	167655.05	6.00	88.00	0.00	0.00	0.00			
44	A	482830.38	167636.67	6.00	338.00	0.00	0.00	0.00			

Horizontal Illuminance (lux)

Grid 1



Results

Eav	3.70
Emin	0.40
Emax	11.31
Emin/Emax	0.04
Emin/Eav	0.11