

DATE: 25 May 2021
DESIGNER: Signify
PROJECT No: D-409430
PROJECT NAME: Land at Stakers Farm, Yapton (R6)



Assumed Specification (to be reviewed)
Two calculation classes, Main Road calculated to P4 SP Ratio
1.30 and Private roads P5 SP Ratio 1.30 as per
BS 5489:2013 standards.
Luminaire: Luma Gen2 Warm White 730 DW50 3KLM @ 5m
Height and Luma Gen2 Warm White 730 1KLM @ 5m

Outdoor Lighting Report

PREPARED BY: Signify
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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	497495.11	103514.49	247.00	245.51	1.50	1.50
2	Grid 2	497649.75	103723.18	250.00	201.00	1.50	1.50
3	Grid 3	497502.90	103574.83	42.00	33.00	1.50	1.50
4	Grid 4	497589.47	103512.12	54.00	42.00	1.50	1.50
5	Grid 5	497638.00	103552.00	33.00	24.00	1.50	1.50
6	Grid 6	497631.33	103576.89	57.00	63.00	1.50	1.50
7	Grid 7	497576.57	103645.53	54.00	45.00	1.50	1.50
8	Grid 8	497538.01	103612.80	48.00	39.00	1.50	1.50
9	Grid 9	497616.84	103691.55	57.00	33.00	1.50	1.50
10	Grid 10	497663.07	103760.03	22.15	14.00	1.48	1.40
11	Grid 11	497684.25	103803.06	33.00	21.00	1.50	1.50
12	Grid 12	497716.53	103824.00	30.00	30.00	1.50	1.50
13	Grid 13	497742.50	103752.71	14.99	30.00	1.50	1.50
14	Grid 14	497748.67	103786.96	39.00	45.00	1.50	1.50
15	Grid 15	497780.02	103733.27	21.00	30.00	1.50	1.50
16	Grid 16	497801.92	103759.21	33.00	51.00	1.50	1.50

Luminaires

Luminaire A Data

Supplier	
Type	BGP702 DW50
Lamp(s)	LED-HB 5.2S 730
Lamp Flux (klm)	3.00
File Name	Luma Gen2 Micro_BGP702_DW50_3000_20 LED_5.2S_CLO_L90_730.ies
Maintenance Factor	0.76
Imax70,80,90(cd/klm)	595.5, 51.0, 0.0
No. in Project	20

Luminaire B Data

Supplier	
Type	BGP702 DW50
Lamp(s)	LED-HB 5.2S 730
Lamp Flux (klm)	1.00
File Name	Luma Gen2 Micro_BGP702_DW50_1000_6L ED_5.2S_CLO_L90_730.ies
Maintenance Factor	0.76
Imax70,80,90(cd/klm)	595.5, 51.0, 0.0
No. in Project	23

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	497557.14	103562.52	5.00	145.00	0.00	0.00	0.40			
2	A	497540.95	103574.51	5.00	57.00	0.00	0.00	0.40			
3	A	497577.83	103587.04	5.00	137.00	0.00	0.00	0.40			
4	A	497568.93	103615.87	5.00	49.00	0.00	0.00	0.40			
5	A	497602.08	103613.83	5.00	307.00	0.00	0.00	0.40			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
6	A	497617.45	103590.99	5.00	245.00	0.00	0.00	0.40			
7	A	497639.90	103573.26	5.00	132.00	0.00	0.00	0.40			
8	A	497633.88	103634.77	5.00	138.00	0.00	0.00	0.40			
9	A	497614.52	103652.09	5.00	43.00	0.00	0.00	0.40			
10	A	497661.03	103662.58	5.00	136.00	0.00	0.00	0.40			
11	A	497674.68	103696.17	5.00	163.00	0.00	0.00	0.40			
12	A	497674.63	103734.16	5.00	338.00	0.00	0.00	0.40			
13	A	497689.10	103769.99	5.00	333.00	0.00	0.00	0.40			
14	A	497707.44	103796.98	5.00	331.00	0.00	0.00	0.40			
15	A	497725.94	103821.16	5.00	160.00	0.00	0.00	0.40			
16	A	497738.15	103798.21	5.00	237.00	0.00	0.00	0.40			
17	A	497768.57	103781.50	5.00	247.00	0.00	0.00	0.40			
18	A	497788.40	103769.31	5.00	247.00	0.00	0.00	0.40			
19	A	497827.09	103754.83	5.00	256.00	0.00	0.00	0.40			
20	B	497518.47	103591.41	5.00	42.00	0.00	0.00	0.40			
21	A	497625.44	103551.31	5.00	151.00	0.00	0.00	0.40			
22	B	497628.97	103537.01	5.00	62.00	0.00	0.00	0.40			
23	B	497596.98	103532.94	5.00	329.00	0.00	0.00	0.40			
24	B	497648.47	103574.56	5.00	212.00	0.00	0.00	0.40			
25	B	497664.78	103561.82	5.00	241.00	0.00	0.00	0.40			
26	B	497661.74	103589.54	5.00	152.00	0.00	0.00	0.40			
27	B	497668.18	103603.27	5.00	97.00	0.00	0.00	0.40			
28	B	497649.20	103607.78	5.00	39.00	0.00	0.00	0.40			
29	B	497646.50	103626.61	5.00	230.00	0.00	0.00	0.40			
30	B	497598.72	103678.12	5.00	230.00	0.00	0.00	0.40			
32	B	497555.41	103638.78	5.00	326.00	0.00	0.00	0.40			
33	B	497651.83	103708.09	5.00	257.00	0.00	0.00	0.40			
34	B	497636.24	103712.85	5.00	223.00	0.00	0.00	0.40			
35	B	497667.08	103767.25	5.00	59.00	0.00	0.00	0.40			
36	B	497700.65	103817.75	5.00	244.00	0.00	0.00	0.40			
37	B	497735.72	103846.13	5.00	154.00	0.00	0.00	0.40			
39	B	497745.39	103763.88	5.00	350.00	0.00	0.00	0.40			
40	B	497761.65	103808.31	5.00	332.00	0.00	0.00	0.40			
41	B	497772.89	103824.92	5.00	325.00	0.00	0.00	0.40			
42	B	497787.05	103749.50	5.00	345.00	0.00	0.00	0.40			
43	B	497807.81	103770.75	5.00	336.00	0.00	0.00	0.40			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
44	B	497823.37	103807.09	5.00	243.00	0.00	0.00	0.40			
45	B	497828.47	103792.19	5.00	158.00	0.00	0.00	0.40			

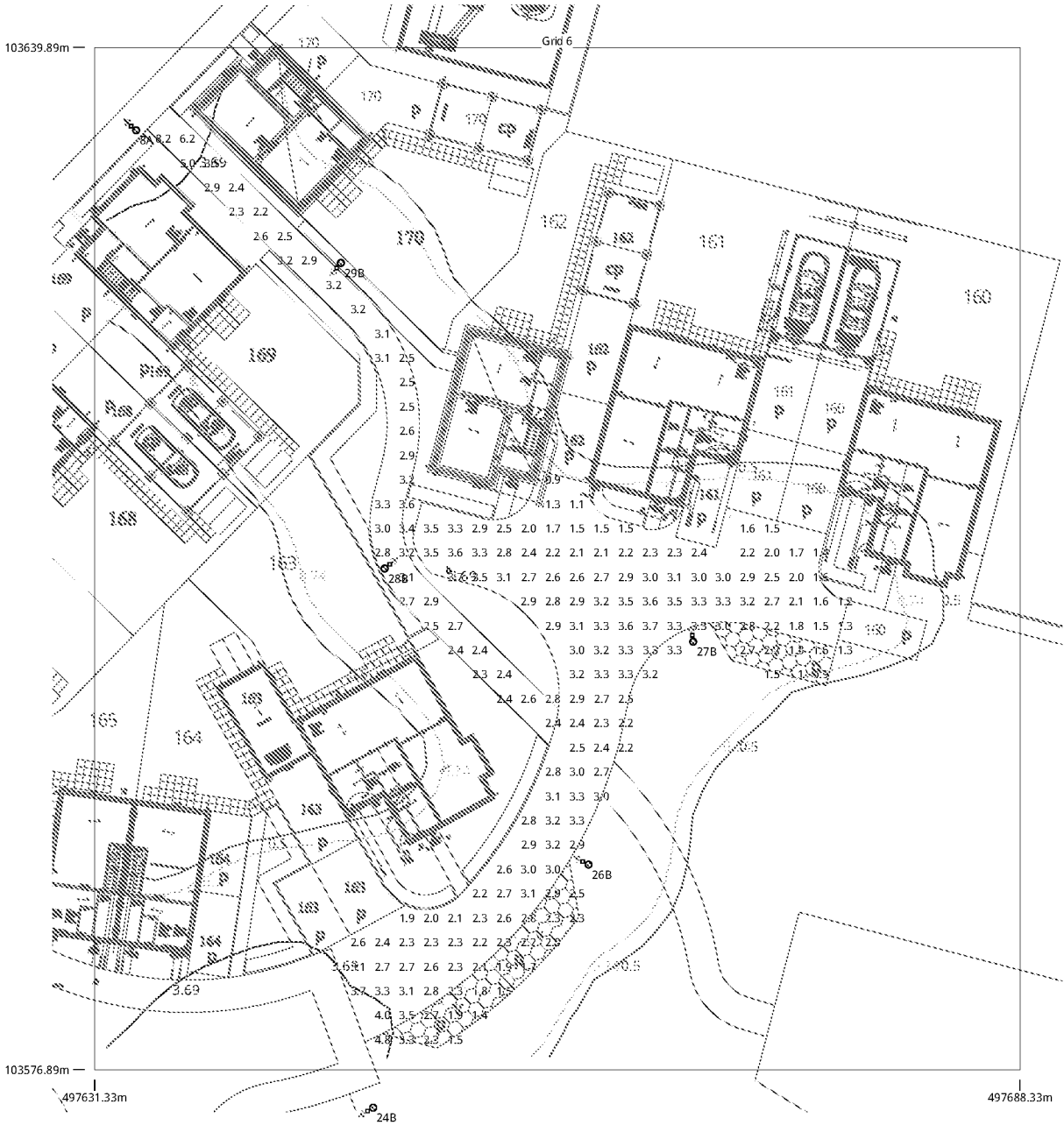
Grid 1



E _{av}	4.28
E _{min}	0.79
E _{max}	10.47
E _{min} /E _{max}	0.08
E _{min} /E _{av}	0.18

Horizontal Illuminance (lux)

Grid 6



Results

Eav	4.28
Emin	0.79
E max	10.47
E min/E max	0.08
E min/E av	0.18