

DATE: 26 January 2022
DESIGNER: Brian Smith
PROJECT No: ASD-SL-SE-2021-2022-011
PROJECT NAME: Ashford Road, Sellindge, Kent



BS5489-1:2020
Envorinmental Zone E1/E2
Spine Road
Lighting CClass P4
Eav = 5.00 to 7.50
Emin = 1.00

Outdoor Lighting Report

PREPARED BY: ASD Lighting PLC
Mangham Road
Barbot Hall Industrial Estate
Rotherham
S61 4RJ
e-mail: bsmith@asdlighting.com

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	610638.00	137827.00	300.00	300.00	1.50	1.50
2	Grid 2	610873.35	137867.37	250.00	320.00	1.50	1.50

Luminaires

Luminaire A Data

Supplier	
Type	HWD-#4K12 500-S4-CLO Gen 5
Lamp(s)	LED
LampFlux(klm)/Colour	2.52 4000/72
File Name	HWD-#4K12 500-S4-CLO (18W).ldt
Maintenance Factor	0.83
Imax70,80,90(cd/klm)	540.6, 56.3, 0.1
No. in Project	51

Luminaire B Data

Supplier	
Type	HWD-#4K12 400-S4-CLO Gen 5
Lamp(s)	LED
LampFlux(klm)/Colour	2.09 4000/72
File Name	HWD-#4K12 400-S4-CLO (15W).ldt
Maintenance Factor	0.83
Imax70,80,90(cd/klm)	541.1, 60.3, 0.0
No. in Project	3

Luminaire C Data

Supplier	
Type	HWD-#4LED1220-S4 Osram Rev 1
Lamp(s)	LED
LampFlux(klm)/Colour	1.10 4000/72
File Name	HWD-#4LED1220-S4-CLO (8w).ldt
Maintenance Factor	0.83
Imax70,80,90(cd/klm)	544.1, 81.3, 0.0
No. in Project	3

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	610666.47	137836.88	6.00	108.00	0.00	0.00	0.40			
2	A	610687.74	137855.57	6.00	287.00	0.00	0.00	0.40			
3	A	610713.62	137863.14	6.00	289.00	0.00	0.00	0.40			
4	A	610742.10	137862.41	6.00	120.00	0.00	0.00	0.40			
5	A	610757.81	137894.46	6.00	345.00	0.00	0.00	0.40			
6	A	610778.85	137885.04	6.00	81.00	0.00	0.00	0.40			
7	A	610760.43	137879.64	6.00	146.00	0.00	0.00	0.40			
8	A	610765.32	137923.23	6.00	194.00	0.00	0.00	0.40			
9	A	610751.85	137934.99	6.00	1.00	0.00	0.00	0.40			

Layout Continued

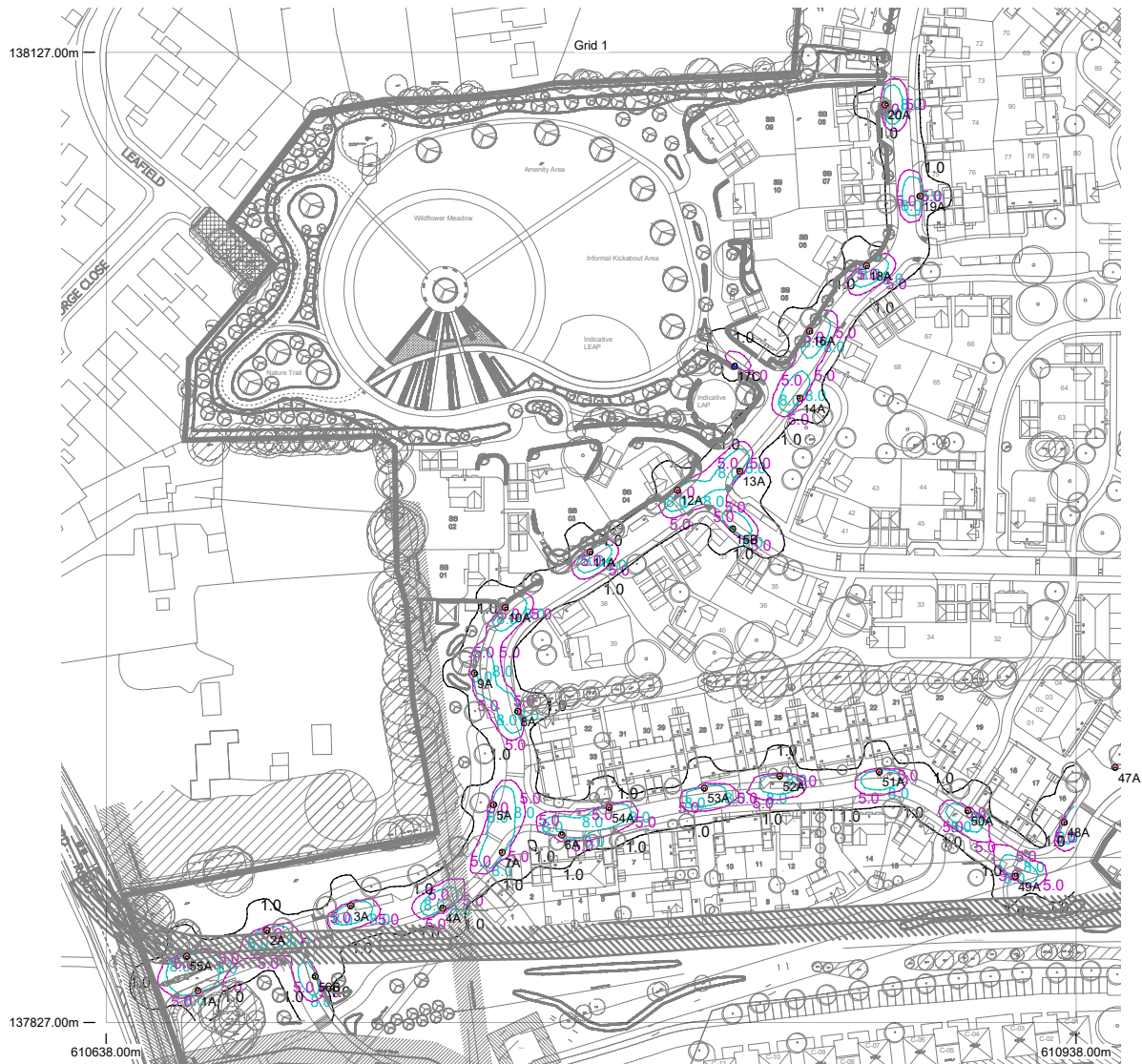
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
10	A	610761.42	137955.35	6.00	316.00	0.00	0.00	0.40			
11	A	610787.65	137972.54	6.00	305.00	0.00	0.00	0.40			
12	A	610814.63	137991.56	6.00	306.00	0.00	0.00	0.40			
13	A	610833.94	137997.58	6.00	144.00	0.00	0.00	0.40			
14	A	610852.51	138020.09	6.00	145.00	0.00	0.00	0.40			
15	B	610831.76	137979.66	6.00	50.00	0.00	0.00	0.40			
16	A	610855.53	138040.75	6.00	330.00	0.00	0.00	0.40			
17	C	610832.35	138029.97	6.00	58.00	0.00	0.00	0.40			
18	A	610873.10	138060.99	6.00	304.00	0.00	0.00	0.40			
19	A	610889.68	138082.56	6.00	182.00	0.00	0.00	0.40			
20	A	610878.87	138110.80	6.00	1.00	0.00	0.00	0.40			
21	A	610882.07	138141.69	6.00	346.00	0.00	0.00	0.40			
22	A	610890.10	138166.95	6.00	332.00	0.00	0.00	0.40			
23	C	610895.86	138188.74	6.00	9.00	0.00	0.00	0.40			
24	A	610919.76	138168.07	6.00	227.00	0.00	0.00	0.40			
25	A	610923.85	138150.32	6.00	50.00	0.00	0.00	0.40			
26	A	610944.93	138149.56	6.00	225.00	0.00	0.00	0.40			
27	A	610952.74	138125.93	6.00	49.00	0.00	0.00	0.40			
28	A	610973.40	138125.61	6.00	224.00	0.00	0.00	0.40			
29	A	610980.30	138102.83	6.00	47.00	0.00	0.00	0.40			
30	A	610999.10	138104.26	6.00	225.00	0.00	0.00	0.40			
31	A	611006.85	138080.53	6.00	44.00	0.00	0.00	0.40			
32	A	611027.67	138080.15	6.00	226.00	0.00	0.00	0.40			
33	A	611029.19	138061.62	6.00	46.00	0.00	0.00	0.40			
34	A	611050.57	138058.27	6.00	227.00	0.00	0.00	0.40			
35	A	611073.10	138029.86	6.00	188.00	0.00	0.00	0.40			
36	A	611053.44	138041.46	6.00	52.00	0.00	0.00	0.40			
37	A	611075.70	137998.97	6.00	180.00	0.00	0.00	0.40			
38	A	611064.49	137995.61	6.00	0.00	0.00	0.00	0.40			
39	A	611071.41	137968.81	6.00	178.00	0.00	0.00	0.40			
40	B	611050.83	137961.20	6.00	92.00	0.00	0.00	0.40			
41	A	611075.70	137938.42	6.00	187.00	0.00	0.00	0.40			
42	A	611069.16	137913.88	6.00	133.00	0.00	0.00	0.40			
43	A	611043.31	137904.12	6.00	97.00	0.00	0.00	0.40			
44	A	611012.36	137902.36	6.00	91.00	0.00	0.00	0.40			
45	A	610984.38	137899.73	6.00	90.00	0.00	0.00	0.40			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
46	A	610970.31	137910.93	6.00	271.00	0.00	0.00	0.40			
47	A	610949.98	137905.99	6.00	274.00	0.00	0.00	0.40			
48	A	610934.28	137888.94	6.00	333.00	0.00	0.00	0.40			
49	A	610919.10	137872.35	6.00	61.00	0.00	0.00	0.40			
50	A	610904.45	137892.57	6.00	241.00	0.00	0.00	0.40			
51	A	610877.14	137904.51	6.00	277.00	0.00	0.00	0.40			
52	A	610846.35	137903.21	6.00	271.00	0.00	0.00	0.40			
53	A	610822.94	137899.54	6.00	280.00	0.00	0.00	0.40			
54	A	610793.53	137893.55	6.00	285.00	0.00	0.00	0.40			
55	A	610662.91	137847.58	6.00	285.00	0.00	0.00	0.40			
56	B	610702.65	137841.40	6.00	203.00	0.00	0.00	0.40			
57	C	610934.17	138177.10	6.00	313.00	0.00	0.00	0.40			

Horizontal Illuminance (lux)

Grid 1

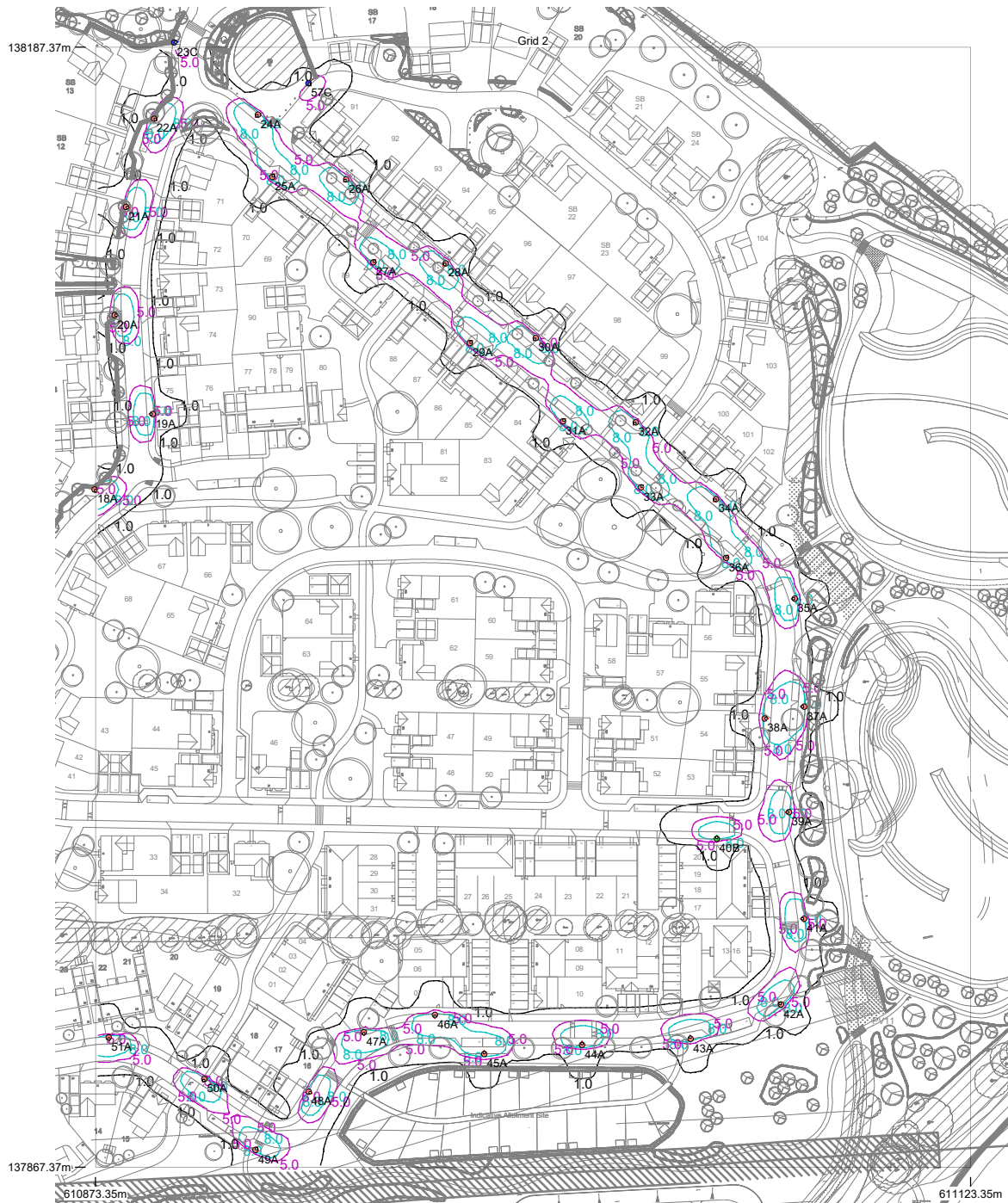


Results

Eav	6.69
Emin	1.05
Emax	20.23
Emin/Emax	0.05
Emin/Eav	0.16

Horizontal Illuminance (lux)

Grid 2



Results

Eav	6.83
Emin	1.09
Emax	19.83
Emin/Emax	0.05
Emin/Eav	0.16