

DATE: 29 February 2024
DESIGNER: MW
PROJECT No: 20240201
PROJECT NAME: Eagle Brewery Wharf

**LIGHTING
REALITY**

Outdoor Lighting Report

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	517738.30	169012.92	37.79	38.15	1.45	1.47
2	High Street	517772.00	169045.00	24.00	5.00	1.50	1.25
3	Minima Yacht Club	517773.00	169021.00	29.27	5.00	1.46	1.25
4	Ram Pub Garden	517746.00	169050.00	26.31	5.00	1.46	1.25

Luminaires

Luminaire A Data

Supplier	
Type	Turn_19gM_honeycomb_830
Lamp(s)	V18_30E4000-C-83_900mA
LampFlux(klm)/Colour	4.98 3000/83.7
File Name	turn_19grm_honeycomb_830.ltd
Maintenance Factor	0.80
Imax70,80,90(cd/klm)	0.4, 0.4, 0.3
No. in Project	9

Luminaire B Data

Supplier	
Type	[TEST] Calculated based on ColorGraze Compact Intellihue Power
Lamp(s)	[ISSUE DATE] 06/23/2022
Lamp Flux (klm)	0.19
File Name	Graze-Compact-gen2-Intellihue-60X60-LP-3000K-1ft.ies
Maintenance Factor	0.80
Lum. Int. Class	G3
No. in Project	80

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	517755.13	169042.09	7.50	148.00	50.00	0.00	0.00			
2	A	517755.41	169041.66	7.00	225.00	50.00	0.00	0.00			
3	A	517755.74	169042.11	6.50	12.00	50.00	0.00	0.00			
4	A	517750.98	169027.05	7.50	135.00	50.00	0.00	0.00			
5	A	517751.52	169027.27	6.50	38.00	50.00	0.00	0.00			
6	A	517751.34	169026.77	7.00	253.00	50.00	0.00	0.00			
7	A	517764.91	169033.49	7.00	33.00	45.00	0.00	0.00			
8	A	517764.86	169033.01	6.50	226.00	50.00	0.00	0.00			
9	A	517764.42	169033.27	7.50	141.00	50.00	0.00	0.00			
10	B	517770.01	169041.02	0.60	187.18	0.00	0.00	0.00			
11	B	517769.68	169040.98	0.60	187.18	0.00	0.00	0.00			
12	B	517769.35	169040.94	0.60	187.18	0.00	0.00	0.00			
13	B	517769.02	169040.90	0.60	187.18	0.00	0.00	0.00			
14	B	517768.70	169040.85	0.60	187.18	0.00	0.00	0.00			
15	B	517768.37	169040.81	0.60	187.18	0.00	0.00	0.00			
16	B	517768.04	169040.77	0.60	187.18	0.00	0.00	0.00			
17	B	517767.71	169040.73	0.60	187.18	0.00	0.00	0.00			

Layout Continued

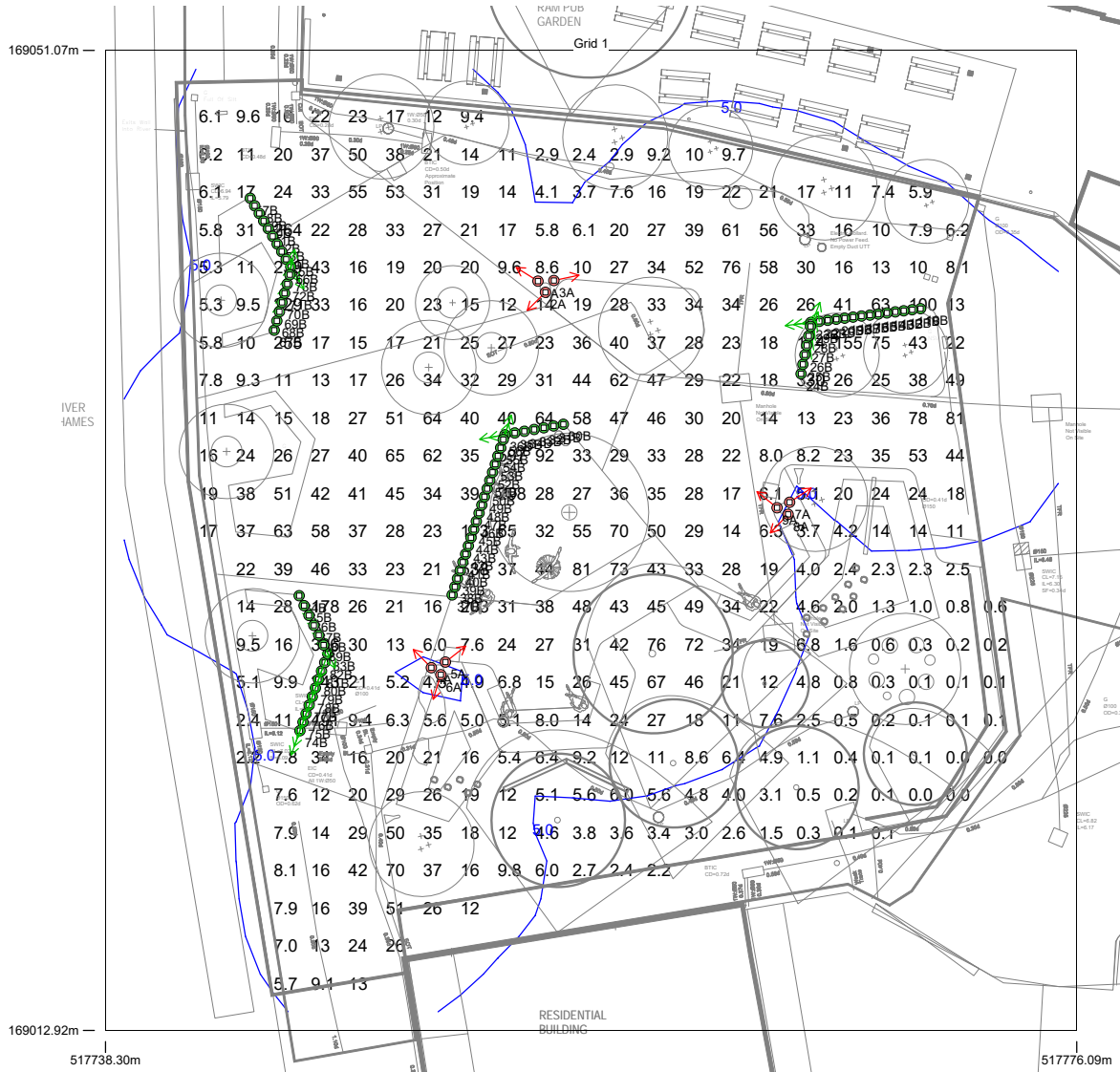
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
18	B	517767.38	169040.69	0.60	187.18	0.00	0.00	0.00			
19	B	517767.05	169040.65	0.60	187.18	0.00	0.00	0.00			
20	B	517766.73	169040.61	0.60	187.18	0.00	0.00	0.00			
21	B	517766.40	169040.56	0.60	187.18	0.00	0.00	0.00			
22	B	517766.07	169040.52	0.60	187.18	0.00	0.00	0.00			
23	B	517765.74	169040.48	0.60	187.18	0.00	0.00	0.00			
24	B	517765.36	169038.48	0.60	428.69	0.00	0.00	0.00			
25	B	517765.43	169038.85	0.60	428.69	0.00	0.00	0.00			
26	B	517765.51	169039.22	0.60	428.69	0.00	0.00	0.00			
27	B	517765.58	169039.59	0.60	428.69	0.00	0.00	0.00			
28	B	517765.65	169039.96	0.60	428.69	0.00	0.00	0.00			
29	B	517765.73	169040.33	0.60	428.69	0.00	0.00	0.00			
30	B	517756.11	169036.52	0.60	190.17	0.00	0.00	0.00			
31	B	517755.73	169036.45	0.60	190.17	0.00	0.00	0.00			
32	B	517755.35	169036.38	0.60	190.17	0.00	0.00	0.00			
33	B	517754.97	169036.32	0.60	190.17	0.00	0.00	0.00			
34	B	517754.60	169036.25	0.60	190.17	0.00	0.00	0.00			
35	B	517754.22	169036.18	0.60	190.17	0.00	0.00	0.00			
36	B	517753.84	169036.11	0.60	190.17	0.00	0.00	0.00			
37	B	517751.79	169029.88	0.60	431.79	0.00	0.00	0.00			
38	B	517751.89	169030.20	0.60	431.79	0.00	0.00	0.00			
39	B	517752.00	169030.51	0.60	431.79	0.00	0.00	0.00			
40	B	517752.10	169030.83	0.60	431.79	0.00	0.00	0.00			
41	B	517752.20	169031.15	0.60	431.79	0.00	0.00	0.00			
42	B	517752.31	169031.47	0.60	431.79	0.00	0.00	0.00			
43	B	517752.41	169031.79	0.60	431.79	0.00	0.00	0.00			
44	B	517752.52	169032.11	0.60	431.79	0.00	0.00	0.00			
45	B	517752.62	169032.42	0.60	431.79	0.00	0.00	0.00			
46	B	517752.73	169032.74	0.60	431.79	0.00	0.00	0.00			
47	B	517752.83	169033.06	0.60	431.79	0.00	0.00	0.00			
48	B	517752.94	169033.38	0.60	431.79	0.00	0.00	0.00			
49	B	517753.04	169033.70	0.60	431.79	0.00	0.00	0.00			
50	B	517753.15	169034.01	0.60	431.79	0.00	0.00	0.00			
51	B	517753.25	169034.33	0.60	431.79	0.00	0.00	0.00			
52	B	517753.36	169034.65	0.60	431.79	0.00	0.00	0.00			
53	B	517753.46	169034.97	0.60	431.79	0.00	0.00	0.00			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
54	B	517753.57	169035.29	0.60	431.79	0.00	0.00	0.00			
55	B	517753.67	169035.61	0.60	431.79	0.00	0.00	0.00			
56	B	517753.78	169035.92	0.60	431.79	0.00	0.00	0.00			
57	B	517743.93	169045.32	0.60	300.53	0.00	0.00	0.00			
58	B	517744.10	169045.02	0.60	300.53	0.00	0.00	0.00			
59	B	517744.28	169044.72	0.60	300.53	0.00	0.00	0.00			
60	B	517744.45	169044.43	0.60	300.53	0.00	0.00	0.00			
61	B	517744.63	169044.13	0.60	300.53	0.00	0.00	0.00			
62	B	517744.80	169043.83	0.60	300.53	0.00	0.00	0.00			
63	B	517744.98	169043.54	0.60	300.53	0.00	0.00	0.00			
64	B	517745.15	169043.24	0.60	300.53	0.00	0.00	0.00			
65	B	517745.33	169042.94	0.60	300.53	0.00	0.00	0.00			
66	B	517745.51	169042.65	0.60	300.53	0.00	0.00	0.00			
67	B	517744.86	169040.18	0.70	439.36	0.00	0.00	0.00			
68	B	517744.97	169040.54	0.70	439.36	0.00	0.00	0.00			
69	B	517745.07	169040.90	0.70	439.36	0.00	0.00	0.00			
70	B	517745.17	169041.26	0.70	439.36	0.00	0.00	0.00			
71	B	517745.27	169041.62	0.70	439.36	0.00	0.00	0.00			
72	B	517745.37	169041.98	0.70	439.36	0.00	0.00	0.00			
73	B	517745.47	169042.34	0.70	439.36	0.00	0.00	0.00			
74	B	517745.86	169024.59	0.60	250.08	0.00	0.00	0.00			
75	B	517745.98	169024.92	0.60	250.08	0.00	0.00	0.00			
76	B	517746.10	169025.26	0.60	250.08	0.00	0.00	0.00			
77	B	517746.22	169025.59	0.60	250.08	0.00	0.00	0.00			
78	B	517746.34	169025.92	0.60	250.08	0.00	0.00	0.00			
79	B	517746.46	169026.25	0.60	250.08	0.00	0.00	0.00			
80	B	517746.58	169026.58	0.60	250.08	0.00	0.00	0.00			
81	B	517746.70	169026.92	0.60	250.08	0.00	0.00	0.00			
82	B	517746.83	169027.25	0.60	250.08	0.00	0.00	0.00			
83	B	517746.95	169027.58	0.60	250.08	0.00	0.00	0.00			
84	B	517745.83	169029.85	0.60	296.39	0.00	0.00	0.00			
85	B	517746.02	169029.46	0.60	296.39	0.00	0.00	0.00			
86	B	517746.22	169029.08	0.60	296.39	0.00	0.00	0.00			
87	B	517746.41	169028.69	0.60	296.39	0.00	0.00	0.00			
88	B	517746.60	169028.31	0.60	296.39	0.00	0.00	0.00			
89	B	517746.79	169027.93	0.60	296.39	0.00	0.00	0.00			

Horizontal Illuminance (lux)

Grid 1



Results

Eav	32.36
Emin	0.03
Emax	597.19
Emin/Emax	0.00
Emin/Eav	0.00

Illuminance (lux)

High Street

3.3	3.5	5.3	8.4	12	15	16	5.3	1.3	0.4	0.2	0.1	0.1	0.0	0.0	0.0
5.8	8.2	10	13	16	21	20	15	2.1	0.7	0.3	0.2	0.1	0.1	0.0	0.0
8.0	9.5	12	17	26	31	23	15	7.0	1.1	0.4	0.2	0.1	0.1	0.0	0.0
9.2	11	14	22	41	46	25	14	9.3	1.8	0.6	0.3	0.2	0.1	0.1	0.0

Results

Eav	8.22
Emin	0.02
E _{max}	45.69
E _{min} /E _{max}	0.00
E _{min} /E _{av}	0.00

Illuminance (lux)

Minima Yacht Club

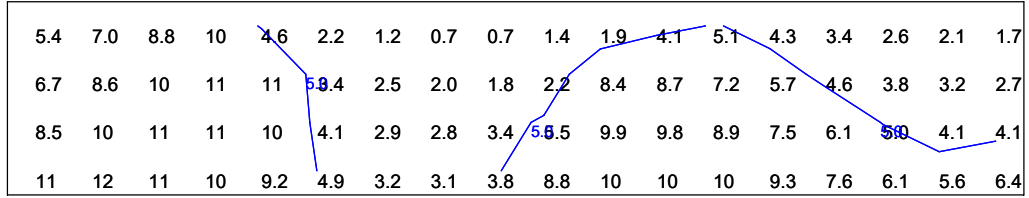
0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.7	1.2	1.8	3.9	11	13	12	9.4	6.9	4.8	
0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.5	0.9	2.0	2.6	2.8	3.4	11	14	17	16	13	8.9	6.1	
0.0	0.0	0.0	0.1	0.1	0.3	0.5	1.2	2.9	3.3	3.2	3.4	5.0	6.3	11	15	22	25	19	11	7.4
0.0	0.0	0.0	0.1	0.2	0.4	0.8	2.9	3.5	3.6	3.7	3.9	8.4	11	16	28	40	29	16	9.0	

Results

Eav	5.91
Emin	0.02
Emax	39.61
Emin/Emax	0.00
Emin/Eav	0.00

Illuminance (lux)

Ram Pub Garden



Results

Eav	6.12
Emin	0.70
Emax	12.11
Emin/Emax	0.06
Emin/Eav	0.11