

DATE: 10 July 2023
DESIGNER: ADB-JD
PROJECT No: 22-150
PROJECT NAME: Fort Dunree

**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	-788.17	-81.82	515.84	284.73	2.06	1.50
2	Grid 2	-552.00	28.00	172.00	62.17	1.69	0.81
3	Grid 3	-406.22	-56.57	134.01	34.28	5.36	1.37
4	Grid 4	-707.57	39.41	193.88	162.14	1.38	1.78
5	Grid 5	-473.90	31.82	90.08	27.43	5.30	1.61

Luminaires

Luminaire A Data

Supplier	
Type	UA 12L50-740 NR CL1 T60E ANT
Lamp(s)	UA12L50-740NR 19W
LampFlux(klm)/Colour	2.71 4000/70
File Name	96671786_(STD)TUrba.LDT
Maintenance Factor	0.80
Imax70,80,90(cd/klm)	458.9, 21.5, 0.0
No. in Project	31

Luminaire B Data

Supplier	
Type	TR B S 10L25 740 RGB R/S CL2 MPL
Lamp(s)	ADLB_S_10L25_RS_4K 11W
LampFlux(klm)/Colour	0.87 4000/70
File Name	96264237_(STD).LDT
Maintenance Factor	0.80
Imax70,80,90(cd/klm)	323.0, 185.0, 35.5
No. in Project	5

Luminaire D Data

Supplier	
Type	PIAZZA II LED 2700-840 HF P ANT
Lamp(s)	TL_PIA2 25W
LampFlux(klm)/Colour	2.91 4000/80
File Name	96666264_(STD)TP25W.LDT
Maintenance Factor	0.80
Imax70,80,90(cd/klm)	385.9, 288.6, 100.5
No. in Project	14

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	D	-503.16	58.81	8.00	219.00	0.00	0.00	1.00			
2	A	-494.24	38.52	8.00	217.00	0.00	0.00	1.00			
3	A	-477.44	18.88	8.00	210.00	0.00	0.00	1.00			
4	A	-459.18	3.31	8.00	232.00	0.00	0.00	1.00			
5	A	-439.40	-9.46	8.00	231.00	0.00	0.00	1.00			
6	A	-419.25	-21.11	8.00	232.00	0.00	0.00	1.00			

Layout Continued

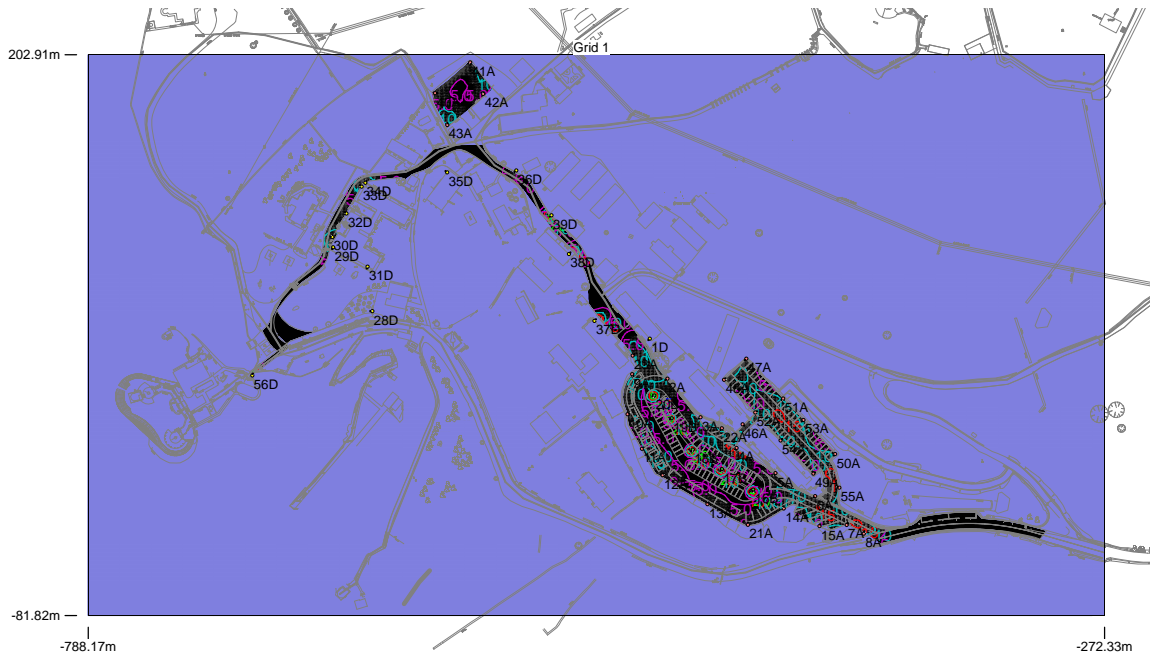
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
7	A	-403.25	-35.75	8.00	58.00	0.00	0.00	1.00			
8	A	-394.62	-40.11	8.00	67.00	0.00	0.00	1.00			
9	A	-512.17	40.74	8.00	305.00	0.00	0.00	1.00			
10	A	-514.46	20.49	8.00	21.00	0.00	0.00	1.00			
11	A	-507.18	2.93	8.00	36.00	0.00	0.00	1.00			
12	A	-496.70	-10.47	8.00	53.00	0.00	0.00	1.00			
13	A	-473.95	-25.16	8.00	64.00	0.00	0.00	1.00			
14	A	-435.20	-27.37	8.00	103.00	0.00	0.00	1.00			
15	A	-417.06	-36.36	8.00	73.00	0.00	0.00	1.00			
16	B	-450.76	-17.81	1.00	254.00	0.00	0.00	1.00			
17	B	-466.59	-7.40	1.00	234.00	0.00	0.00	1.00			
18	B	-481.38	2.51	1.00	227.00	0.00	0.00	1.00			
19	B	-492.04	18.44	1.00	210.00	0.00	0.00	1.00			
20	B	-500.96	30.00	1.00	209.00	0.00	0.00	1.00			
21	A	-453.41	-35.64	8.00	90.00	0.00	0.00	1.00			
22	A	-466.64	13.27	8.00	234.00	0.00	0.00	1.00			
23	A	-511.86	50.19	8.00	44.00	0.00	0.00	1.00			
28	D	-643.95	72.74	6.00	179.00	0.00	0.00	1.00			
29	D	-663.88	105.22	6.00	241.00	0.00	0.00	1.00			
30	D	-664.28	110.38	6.00	159.00	0.00	0.00	1.00			
31	D	-646.41	95.39	6.00	247.00	0.00	0.00	1.00			
32	D	-657.13	122.29	6.00	147.00	0.00	0.00	1.00			
33	D	-649.44	135.95	6.00	145.00	0.00	0.00	1.00			
34	D	-647.54	137.94	6.00	63.00	0.00	0.00	1.00			
35	D	-606.05	143.21	6.00	137.00	0.00	0.00	1.00			
36	D	-570.97	144.19	6.00	221.00	0.00	0.00	1.00			
37	D	-531.27	67.83	3.50	45.00	0.00	0.00	1.00			
38	D	-544.22	101.77	3.50	52.00	0.00	0.00	1.00			
39	D	-553.10	121.41	3.50	214.00	0.00	0.00	1.00			
40	A	-612.14	183.43	8.00	0.00	0.00	0.00	1.00			
41	A	-594.35	199.01	8.00	273.00	0.00	0.00	1.00			
42	A	-587.79	183.04	8.00	140.00	0.00	0.00	1.00			
43	A	-605.97	167.26	8.00	91.00	0.00	0.00	1.00			
46	A	-456.07	15.33	8.00	313.00	0.00	0.00	1.00			
47	A	-454.23	48.62	8.00	222.00	0.00	0.00	1.00			
48	A	-465.49	37.94	8.00	42.00	0.00	0.00	1.00			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
49	A	-420.21	-9.70	8.00	41.00	0.00	0.00	1.00			
50	A	-409.09	0.26	8.00	222.00	0.00	0.00	1.00			
51	A	-435.56	28.39	8.00	217.00	0.00	0.00	1.00			
52	A	-449.64	21.32	8.00	33.00	0.00	0.00	1.00			
53	A	-425.20	17.49	8.00	215.00	0.00	0.00	1.00			
54	A	-436.84	7.11	8.00	40.00	0.00	0.00	1.00			
55	A	-407.02	-16.84	8.00	167.00	0.00	0.00	1.00			
56	D	-704.93	40.09	3.50	74.00	0.00	0.00	1.00			

Horizontal Illuminance (lux)

Grid 1

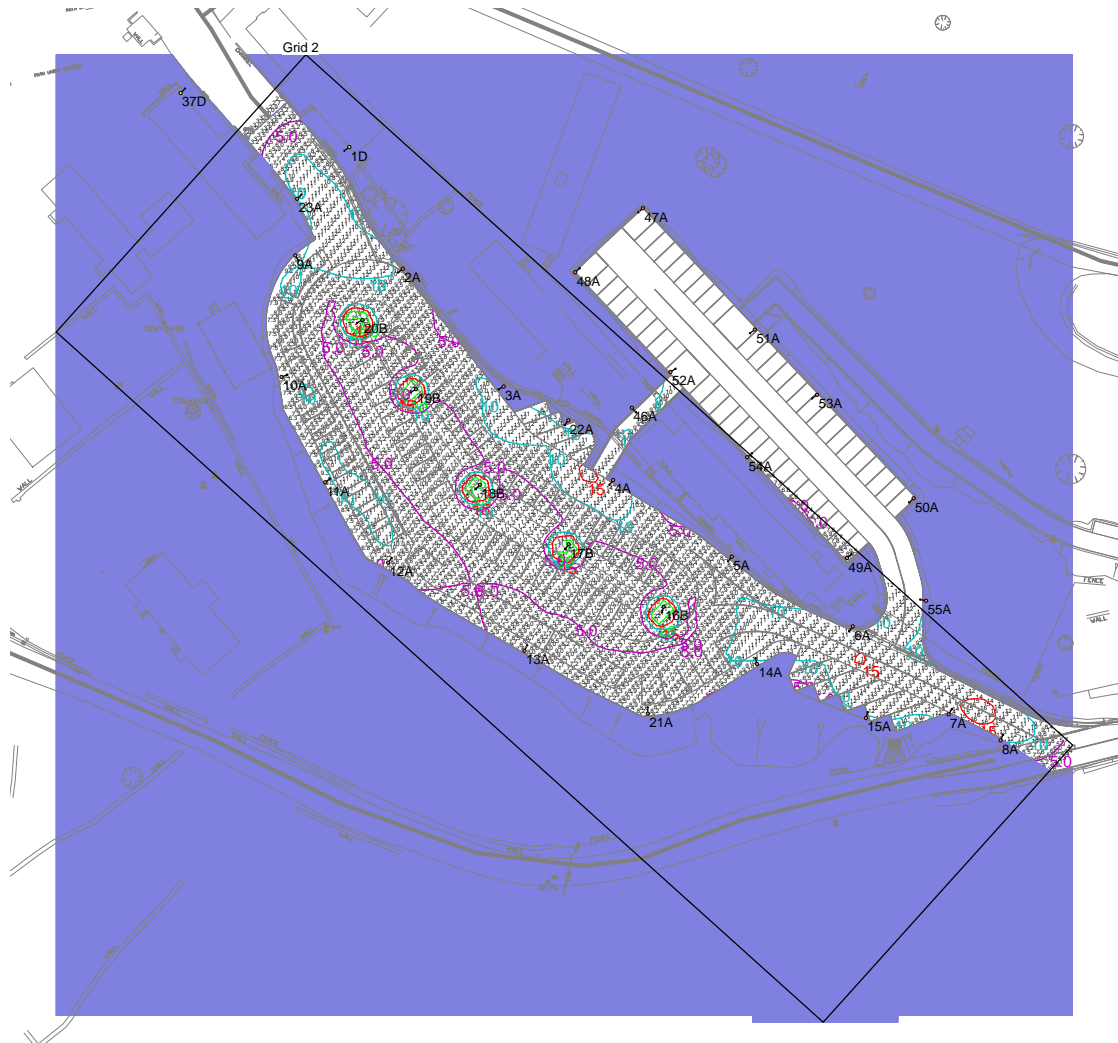


Results

Eav	6.70
Emin	0.00
Emax	25.61
Emin/Emax	0.00
Emin/Eav	0.00

Horizontal Illuminance (lux)

Grid 2

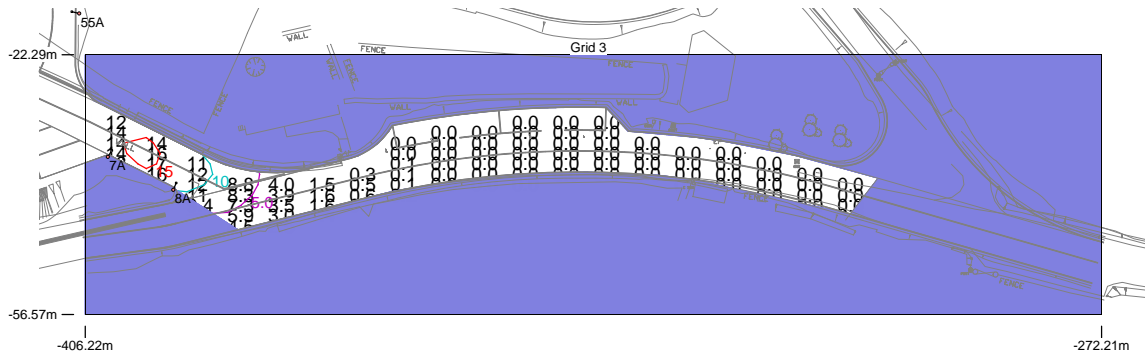


Results

Eav	7.69
Emin	0.53
Emax	23.91
Emin/Emax	0.02
Emin/Eav	0.07

Horizontal Illuminance (lux)

Grid 3



Results

Eav	2.67
Emin	0.00
Emax	16.86
Emin/Emax	0.00
Emin/Eav	0.00

Horizontal Illuminance (lux)

Grid 4



Results

Eav	4.65
Emin	0.07
E _{max}	22.11
E _{min} /E _{max}	0.00
E _{min} /E _{av}	0.02

Horizontal Illuminance (lux)

Grid 5



Results

Eav	10.33
Emin	3.95
Emax	16.08
Emin/Emax	0.25
Emin/Eav	0.38