

DATE: 18 March 2022
DESIGNER: Anthony De Bellis
PROJECT No: 21042
PROJECT NAME: Ardclough



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	696460.96	731440.67	183.25	215.23	1.50	1.51
2	Grid 2	696633.00	731630.00	11.00	5.00	0.50	0.20

Luminaires

Luminaire A Data

Supplier	
Type	Outdoor - ENERGY Series - ENERGY UNO
Lamp(s)	2L - 4 Luxeon 50 0
LampFlux(klm)/Colour	1.35 3000K/80
File Name	cree_cre_outdoor_energ_c8320928a08bd86d_cre_trsa-02-_-2l-308_200_1...
Maintenance Factor	0.90
Imax70,80,90(cd/klm)	462.5, 41.7, 0.0
No. in Project	1

Luminaire B Data

Supplier	
Type	Outdoor - ENERGY Series - ENERGY UNO
Lamp(s)	6L - 12 Duris S8 0
LampFlux(klm)/Colour	3.03 3000K/80
File Name	cree_cre_outdoor_energ_c8320928a08bd86d_cre_trsa-02-_-6l-308_scp_1...
Maintenance Factor	0.90
Imax70,80,90(cd/klm)	429.1, 130.3, 0.0
No. in Project	14

Luminaire C Data

Supplier	
Type	Outdoor - ENERGY Series - ENERGY DUE
Lamp(s)	15L - 32 Luxeon 50 0
LampFlux(klm)/Colour	8.68 3000K/80
File Name	cree_cre_outdoor_energ_c616fdc1a1b27092_cre_trma-02-_-15l-308_afn_...
Maintenance Factor	0.90
Imax70,80,90(cd/klm)	67.7, 13.4, 0.0
No. in Project	1

Layout

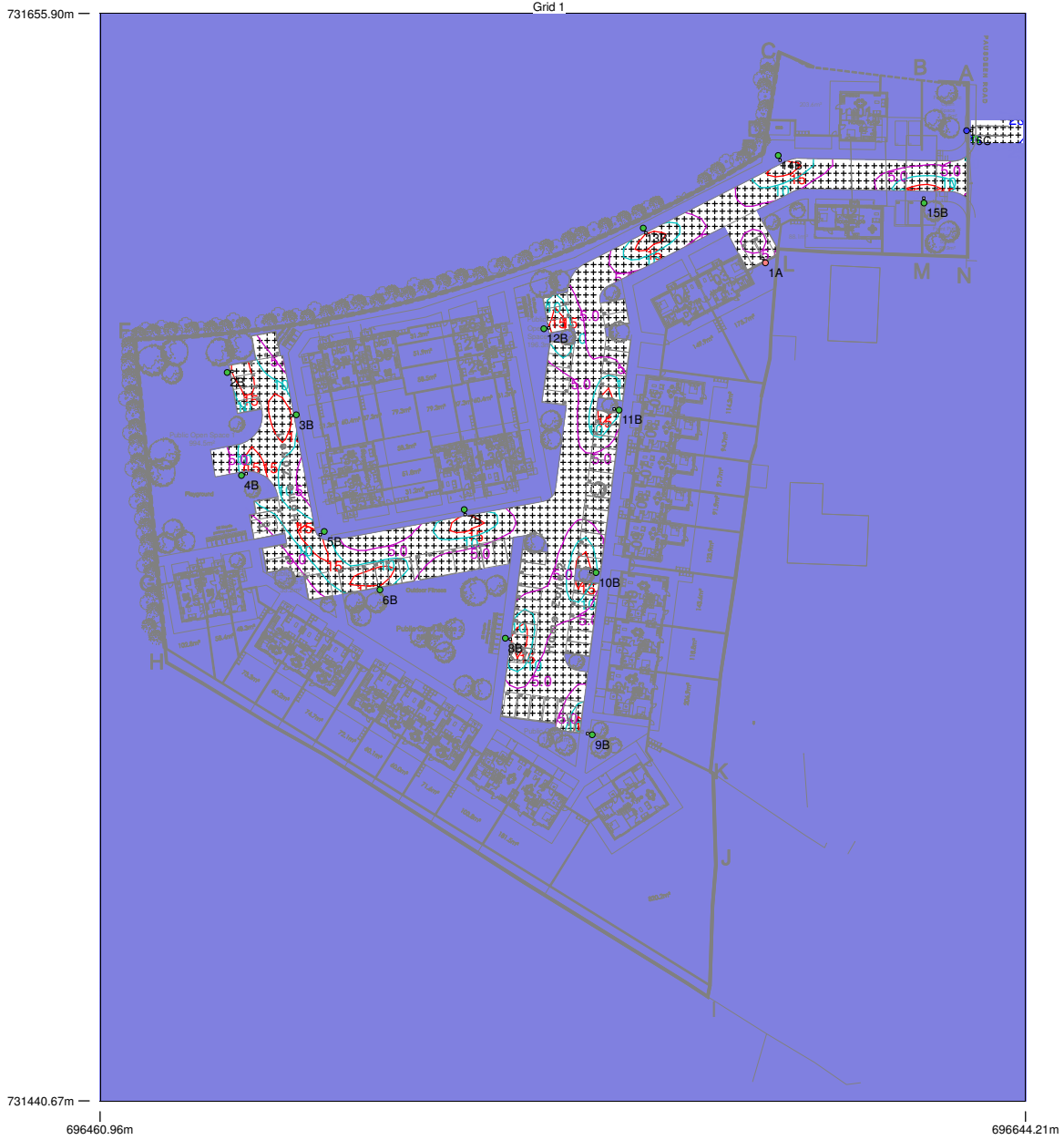
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	696592.68	731606.54	6.00	120.00	0.00	0.00	1.00			
2	B	696486.13	731584.85	6.00	13.00	0.00	0.00	1.00			
3	B	696499.79	731576.50	6.00	190.00	0.00	0.00	1.00			
4	B	696488.94	731564.50	6.00	19.00	0.00	0.00	1.00			
5	B	696505.32	731553.39	6.00	220.00	0.00	0.00	1.00			
6	B	696516.39	731541.83	6.00	107.00	0.00	0.00	1.00			
7	B	696533.04	731557.70	6.00	281.00	0.00	0.00	1.00			
8	B	696541.16	731532.28	6.00	351.00	0.00	0.00	1.00			
9	B	696558.41	731513.17	6.00	166.00	0.00	0.00	1.00			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
10	B	696559.13	731545.27	6.00	170.00	0.00	0.00	1.00			
11	B	696563.68	731577.42	6.00	166.00	0.00	0.00	1.00			
12	B	696548.80	731593.51	6.00	11.00	0.00	0.00	1.00			
13	B	696568.50	731613.39	6.00	299.00	0.00	0.00	1.00			
14	B	696595.20	731627.81	6.00	291.00	0.00	0.00	1.00			
15	B	696624.07	731618.36	6.00	93.00	0.00	0.00	1.00			
16	C	696632.49	731632.70	6.00	0.00	16.00	0.00	1.00			

Horizontal Illuminance (lux)

Grid 1

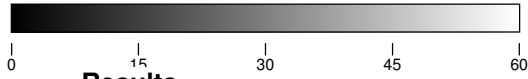


Results

Eav	7.84
Emin	1.13
Emax	59.61
Emin/Emax	0.02
Emin/Eav	0.14

Horizontal Illuminance (lux)

Grid 1

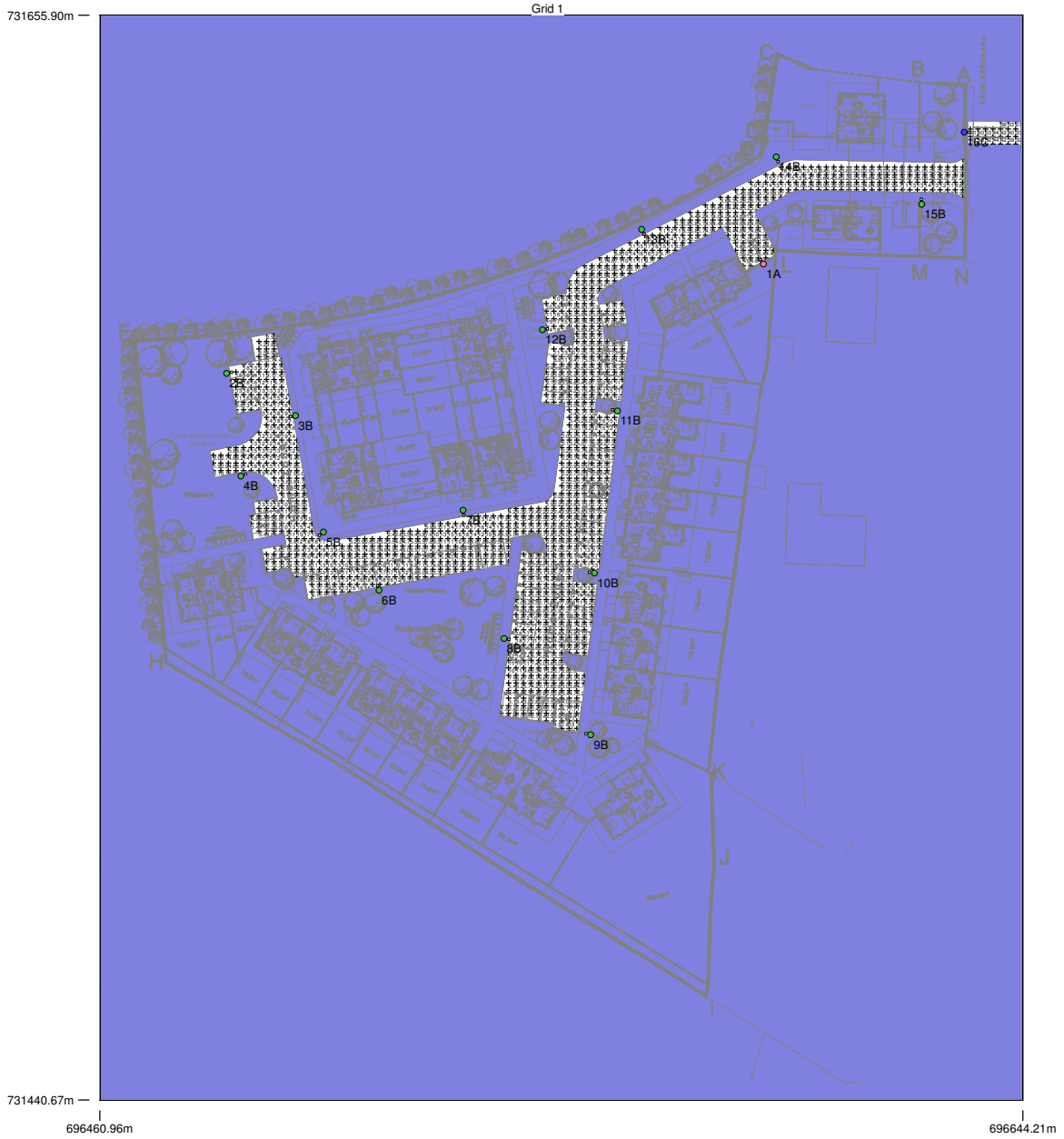


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Horizontal Illuminance (lux)

Grid 1



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