

DATE: 23 April 2025
DESIGNER: NH
PROJECT No:
PROJECT NAME: KEDBULL LEISURE



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	-5.99	97.81	135.19	10.00	1.49	1.43
2	Grid 2	13.49	13.34	100.09	64.19	4.77	4.28

Luminaires

Luminaire A Data

Supplier	
Type	MG Lites High Power Adjustable Flood 600 R ange 300W 60Degree
Lamp(s)	
LampFlux(klm)/Colour	47.02 nw/CRI
File Name	MG-HPAF6-300W-60.LDT
Maintenance Factor	0.80
Imax70,80,90(cd/klm)	19.2, 10.0, 4.4
No. in Project	60

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out- reach	Target X	Target Y	Target Z
1	A	10.42	10.62	10.00	79.00	55.00	0.00	0.20			
2	A	11.08	10.65	10.00	63.00	55.00	0.00	0.20			
3	A	10.41	10.62	10.00	79.00	55.00	0.00	0.20			
4	A	10.42	10.62	10.00	78.00	55.00	0.00	0.20			
5	A	11.05	10.63	10.00	60.00	55.00	0.00	0.20			
6	A	11.05	10.63	10.00	62.00	55.00	0.00	0.20			
7	A	41.06	10.26	10.00	118.00	55.00	0.00	0.20			
8	A	41.06	10.25	10.00	117.00	55.00	0.00	0.20			
9	A	41.05	10.24	10.00	119.00	55.00	0.00	0.20			
13	A	42.25	10.24	10.00	44.00	55.00	0.00	0.20			
14	A	42.24	10.24	10.00	44.00	55.00	0.00	0.20			
15	A	42.24	10.24	10.00	43.00	55.00	0.00	0.20			
13	A	84.65	10.24	10.00	141.00	55.00	0.00	0.20			
14	A	84.64	10.22	10.00	140.00	55.00	0.00	0.20			
15	A	84.64	10.22	10.00	140.00	55.00	0.00	0.20			
16	A	85.87	10.20	10.00	69.00	55.00	0.00	0.20			
17	A	85.87	10.20	10.00	68.00	55.00	0.00	0.20			
18	A	85.87	10.20	10.00	69.00	55.00	0.00	0.20			
19	A	41.65	10.25	10.00	80.00	55.00	0.00	0.20			

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Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
20	A	41.66	10.25	10.00	79.00	55.00	0.00	0.20			
21	A	41.64	10.24	10.00	80.00	55.00	0.00	0.20			
22	A	84.87	80.78	10.00	226.00	55.00	0.00	0.20			
23	A	84.87	80.78	10.00	226.00	55.00	0.00	0.20			
24	A	84.87	80.77	10.00	227.00	55.00	0.00	0.20			
25	A	86.04	80.81	10.00	300.00	55.00	0.00	0.20			
26	A	86.04	80.80	10.00	301.00	55.00	0.00	0.20			
27	A	86.04	80.81	10.00	303.00	55.00	0.00	0.20			
28	A	41.62	80.81	10.00	295.00	55.00	0.00	0.20			
29	A	41.62	80.80	10.00	295.00	55.00	0.00	0.20			
30	A	41.61	80.80	10.00	293.00	55.00	0.00	0.20			
37	A	10.95	80.58	10.00	305.00	55.00	0.00	0.20			
38	A	10.38	80.33	10.00	288.00	55.00	0.00	0.20			
39	A	10.96	80.57	10.00	305.00	55.00	0.00	0.20			
40	A	10.95	80.57	10.00	306.00	55.00	0.00	0.20			
41	A	10.39	80.34	10.00	287.00	55.00	0.00	0.20			
42	A	10.39	80.33	10.00	287.00	55.00	0.00	0.20			
43	A	41.02	80.78	10.00	252.00	55.00	0.00	0.20			
44	A	41.00	80.82	10.00	253.00	55.00	0.00	0.20			
45	A	41.00	80.79	10.00	252.00	55.00	0.00	0.20			
49	A	42.22	80.82	10.00	312.00	55.00	0.00	0.20			
50	A	42.22	80.81	10.00	312.00	55.00	0.00	0.20			
51	A	42.20	80.82	10.00	313.00	55.00	0.00	0.20			
43	A	85.26	10.22	10.00	105.00	55.00	0.00	0.20			
44	A	85.26	10.23	10.00	108.00	55.00	0.00	0.20			
45	A	85.27	10.23	10.00	108.00	55.00	0.00	0.20			
46	A	85.46	80.79	10.00	265.00	55.00	0.00	0.20			
47	A	85.46	80.79	10.00	265.00	55.00	0.00	0.20			
48	A	85.46	80.80	10.00	267.00	55.00	0.00	0.20			
49	A	115.92	10.76	10.00	131.00	55.00	0.00	0.20			
50	A	116.54	10.87	10.00	113.00	55.00	0.00	0.20			
51	A	115.92	10.76	10.00	131.00	55.00	0.00	0.20			
52	A	115.91	10.76	10.00	132.00	55.00	0.00	0.20			
53	A	116.53	10.88	10.00	114.00	55.00	0.00	0.20			
54	A	116.54	10.87	10.00	113.00	55.00	0.00	0.20			
55	A	116.34	80.02	10.00	254.00	55.00	0.00	0.20			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out- reach	Target X	Target Y	Target Z
56	A	115.82	80.37	10.00	250.00	55.00	0.00	0.20			
57	A	116.33	80.02	10.00	254.00	55.00	0.00	0.20			
58	A	116.33	80.02	10.00	256.00	55.00	0.00	0.20			
59	A	115.84	80.39	10.00	248.00	55.00	0.00	0.20			
60	A	115.82	80.37	10.00	248.00	55.00	0.00	0.20			

Illuminance (lux)

Grid 1

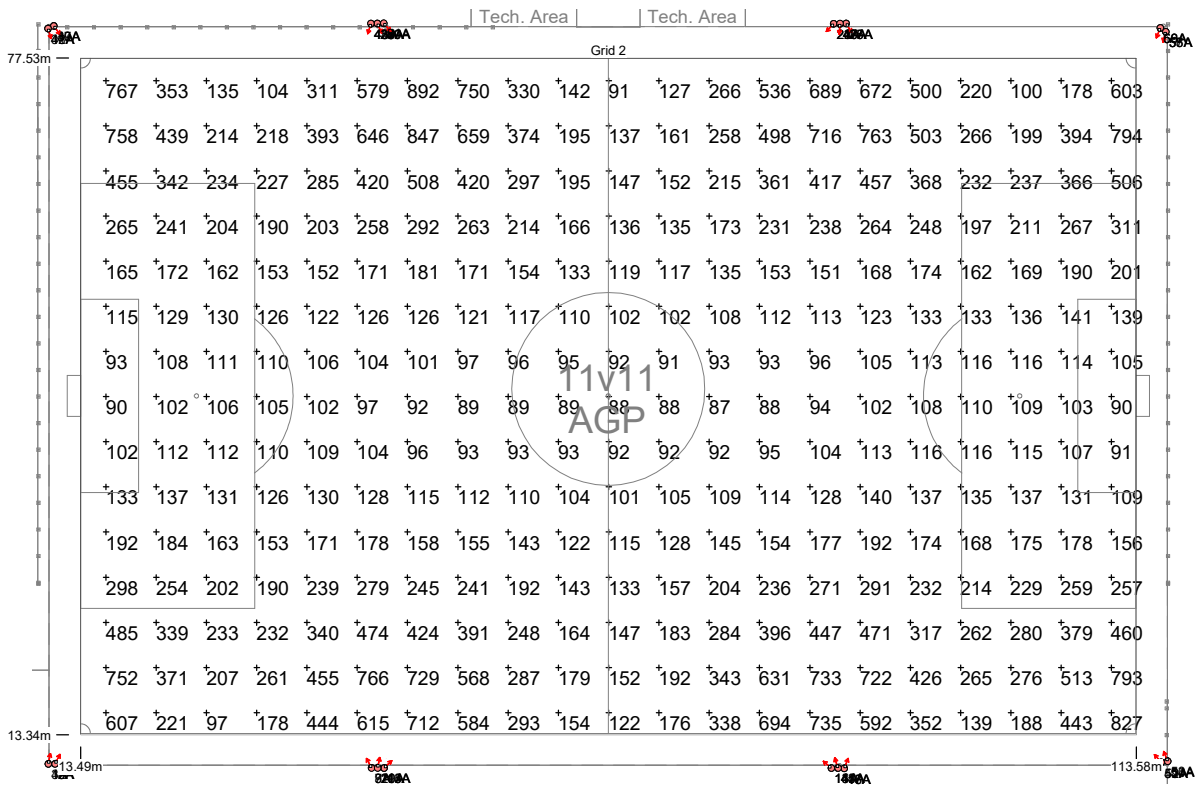
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Results

Eav	22.74
Emin	8.53
E _{max}	38.31
Emin/E _{max}	0.22
Emin/Eav	0.37

Horizontal Illuminance (lux)

Grid 2



Results

Eav	245.67
Emin	87.30
Emax	891.82
Emin/Emax	0.10
Emin/Eav	0.36