

Report No.:

Test Time: 2022-08-10 15:15

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: A8-100W

Current: 0.446 A

Power Factor: 0.989

Voltage: 220.4 V

Power: 97.35 W

Photometric Results

IES Classification: Type II

Total Rated Lamp Lumens: 12906.9 lm

Efficiency: 100%

Upward Ratio: 1%

Central Intensity: 4858.69 cd

Pos of Max. Intensity: H0 V33

Longitudinal Classification: Very Short

Measurement Flux: 12906.9 lm

Downward Ratio: 99%

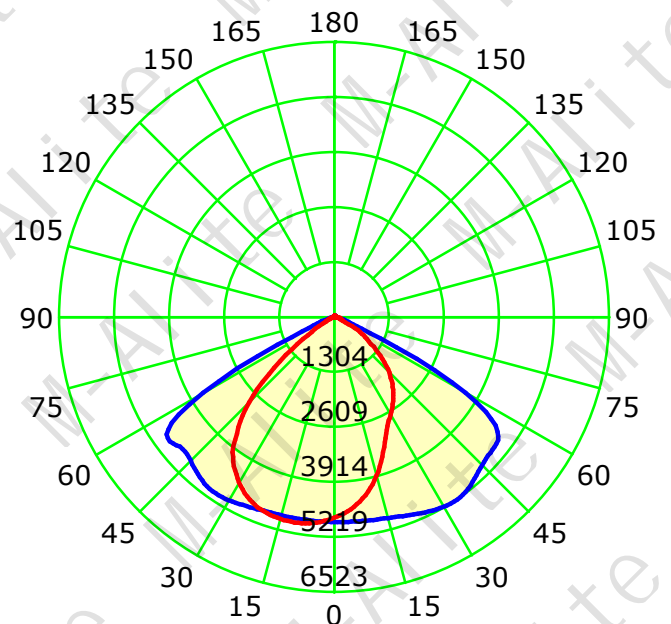
Luminaire Efficacy Rating (LER): 132.63

Max. Intensity: 5219.17 cd

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 102.8°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

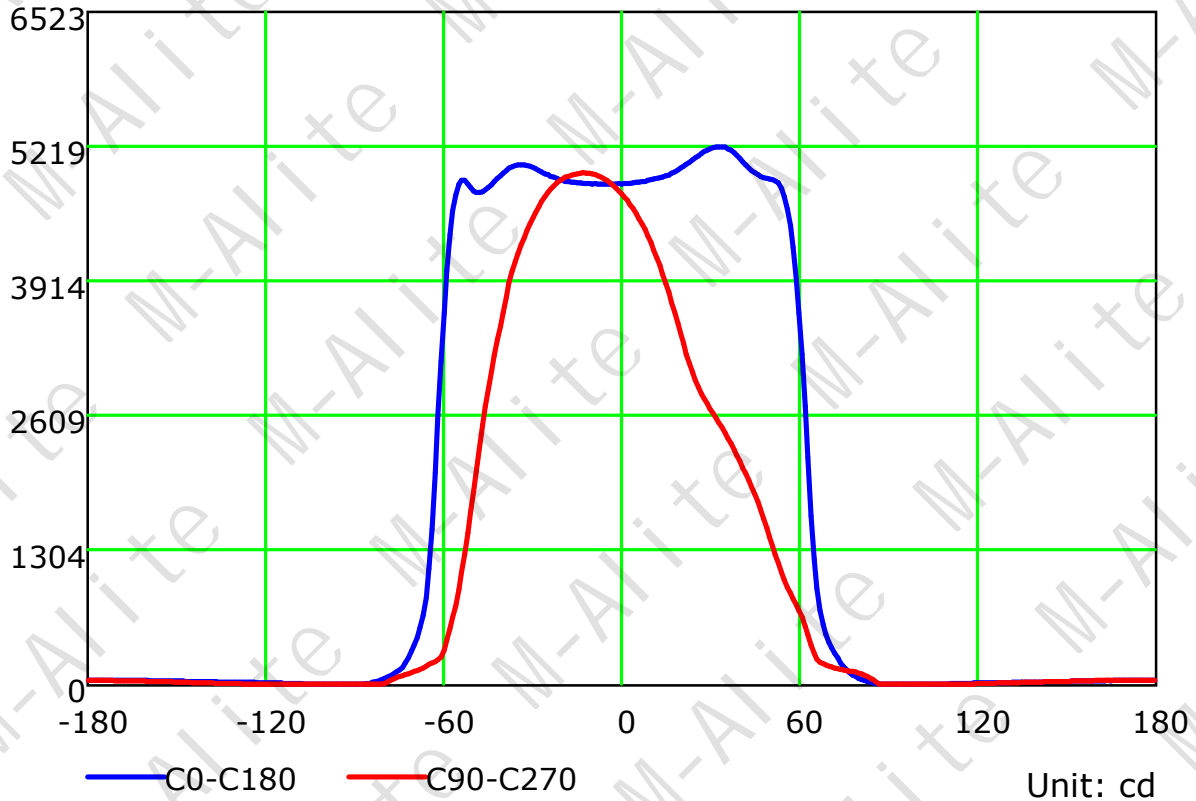
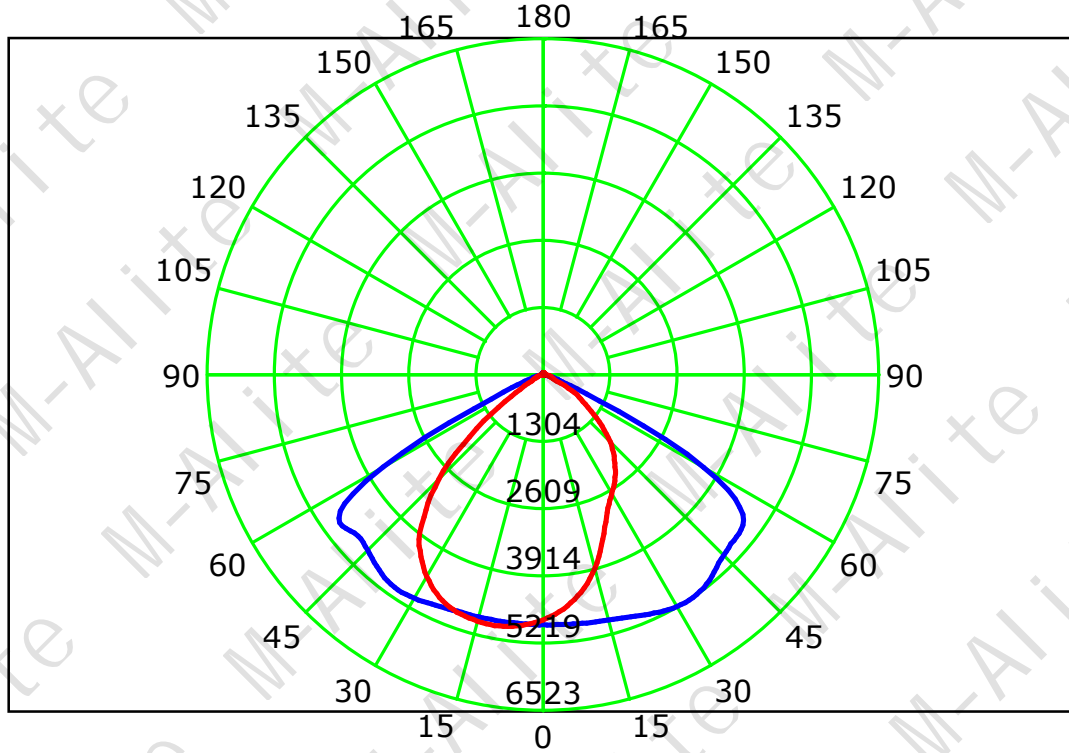
Test Device: GPM-1600L

Distance: 8.824 m

Humidity: 55

Inspector:

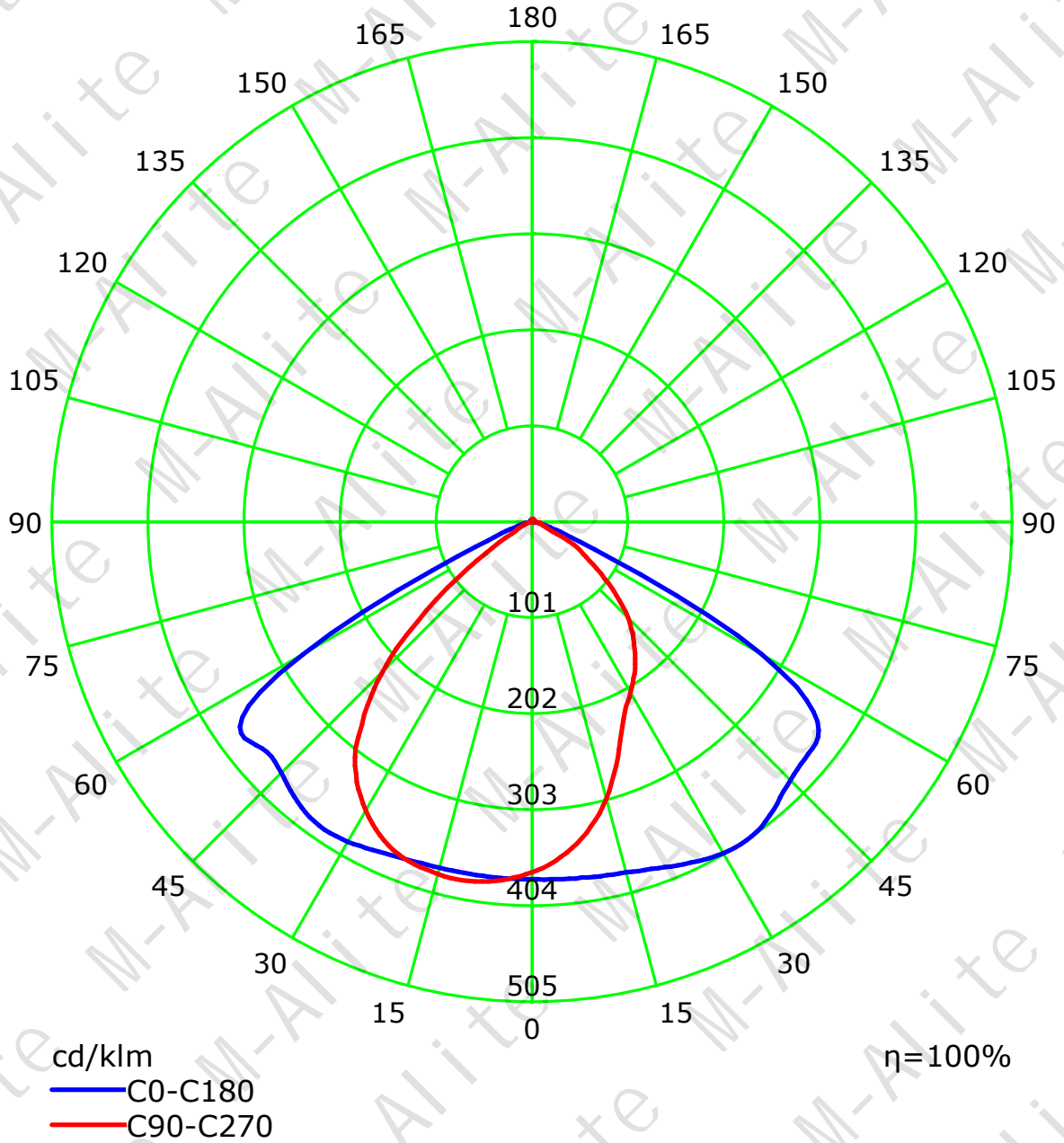
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.824 m
Humidity: 55
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



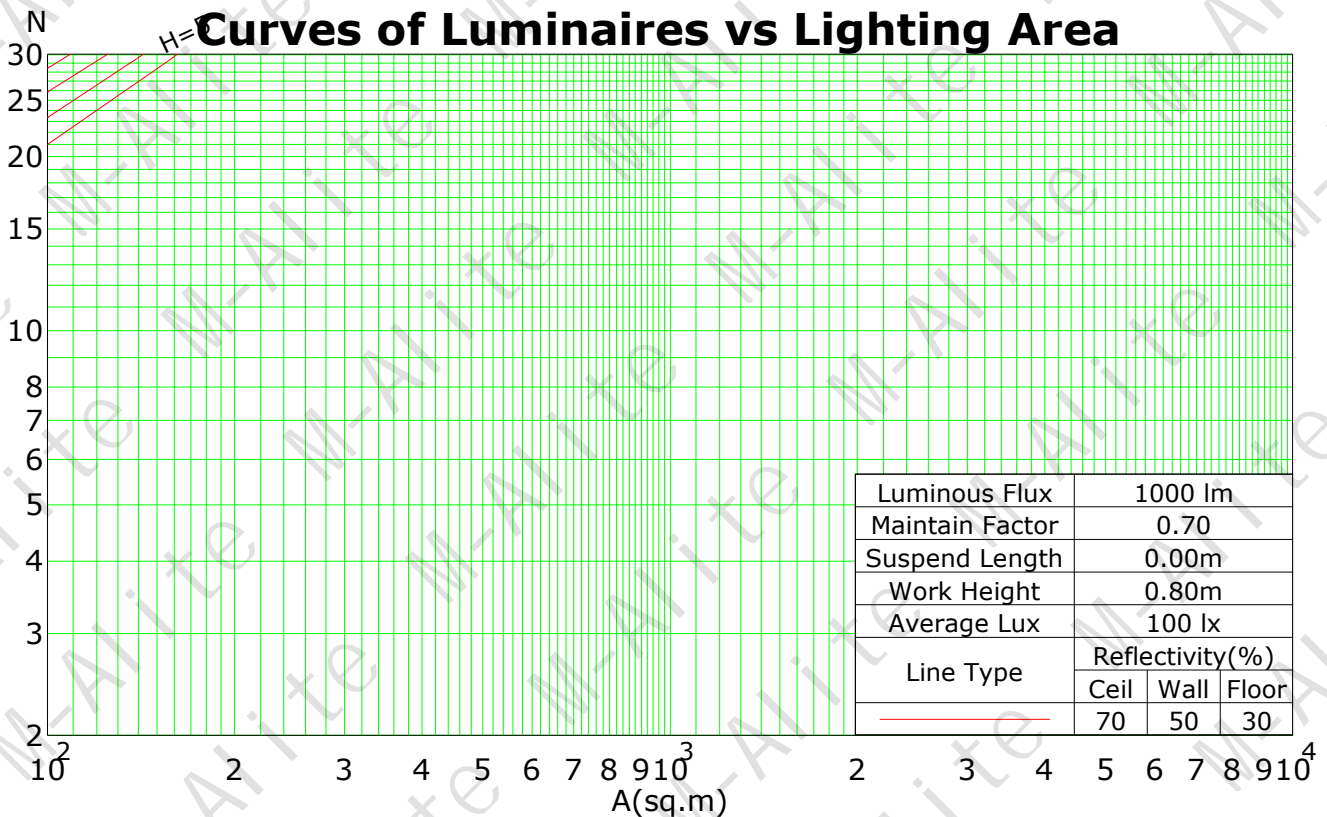
C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.824 m
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Inspector:

Coefficients Of Utilization - Zonal Cavity Method

RC	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0
RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
RCR	RF = 0.2																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	111	107	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75
3	93	84	77	71	91	82	76	70	79	74	69	77	72	68	74	70	66	64
4	86	75	67	61	84	73	66	60	71	64	59	69	63	58	66	62	58	56
5	79	67	59	52	77	66	58	52	64	57	51	62	56	51	60	55	50	48
6	73	60	52	46	71	59	51	46	58	50	45	56	50	45	54	49	44	42
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	49	44	39	37
8	63	50	42	36	61	49	41	36	48	41	36	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27

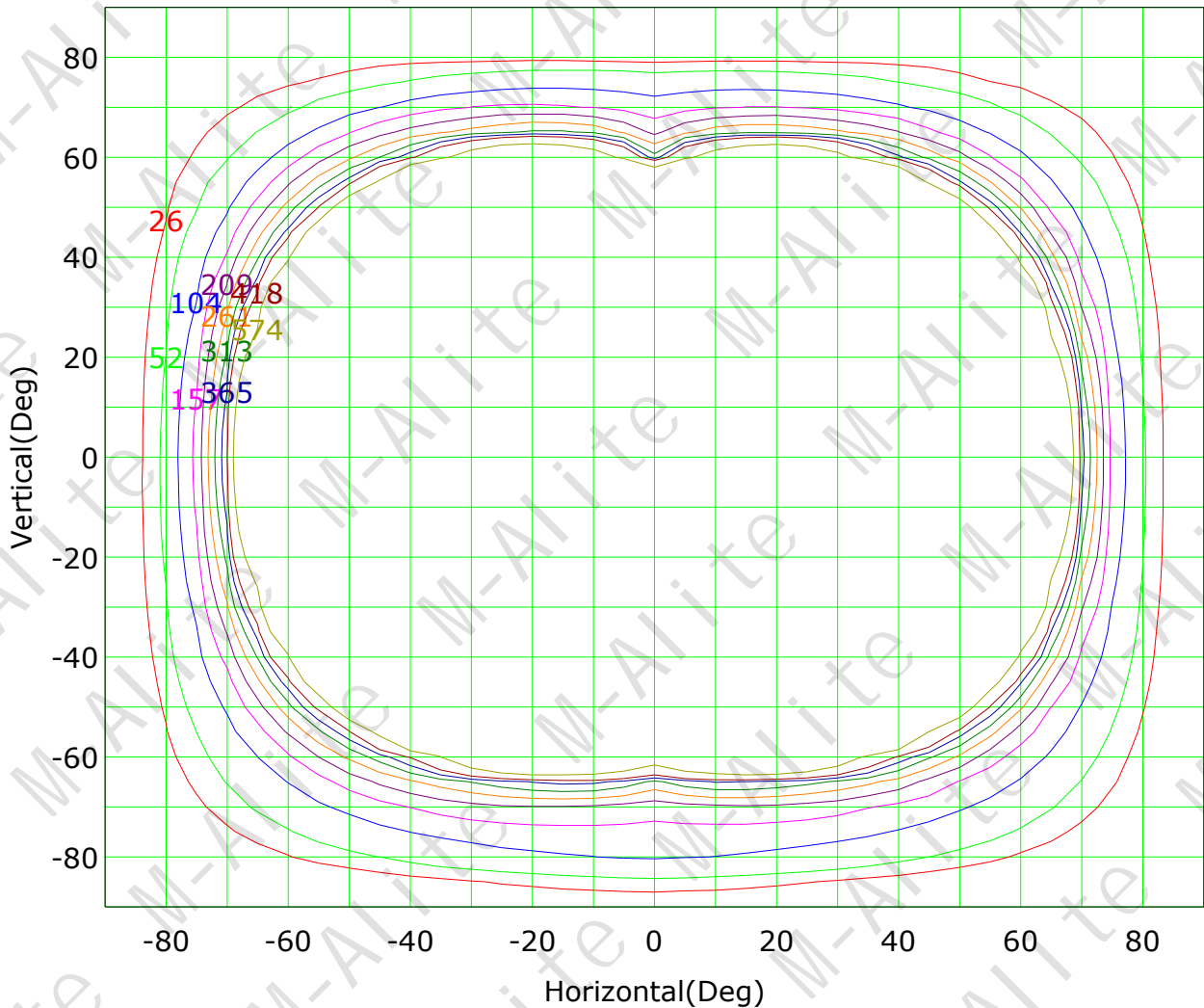
Spacing Criteria (0-180): 1.59
 Spacing Criteria (90-270): 1.14
 Spacing Criteria (Diagonal): 1.45



C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.824 m
 Humidity: 55
 Inspector:

Isocandela (rectangle)



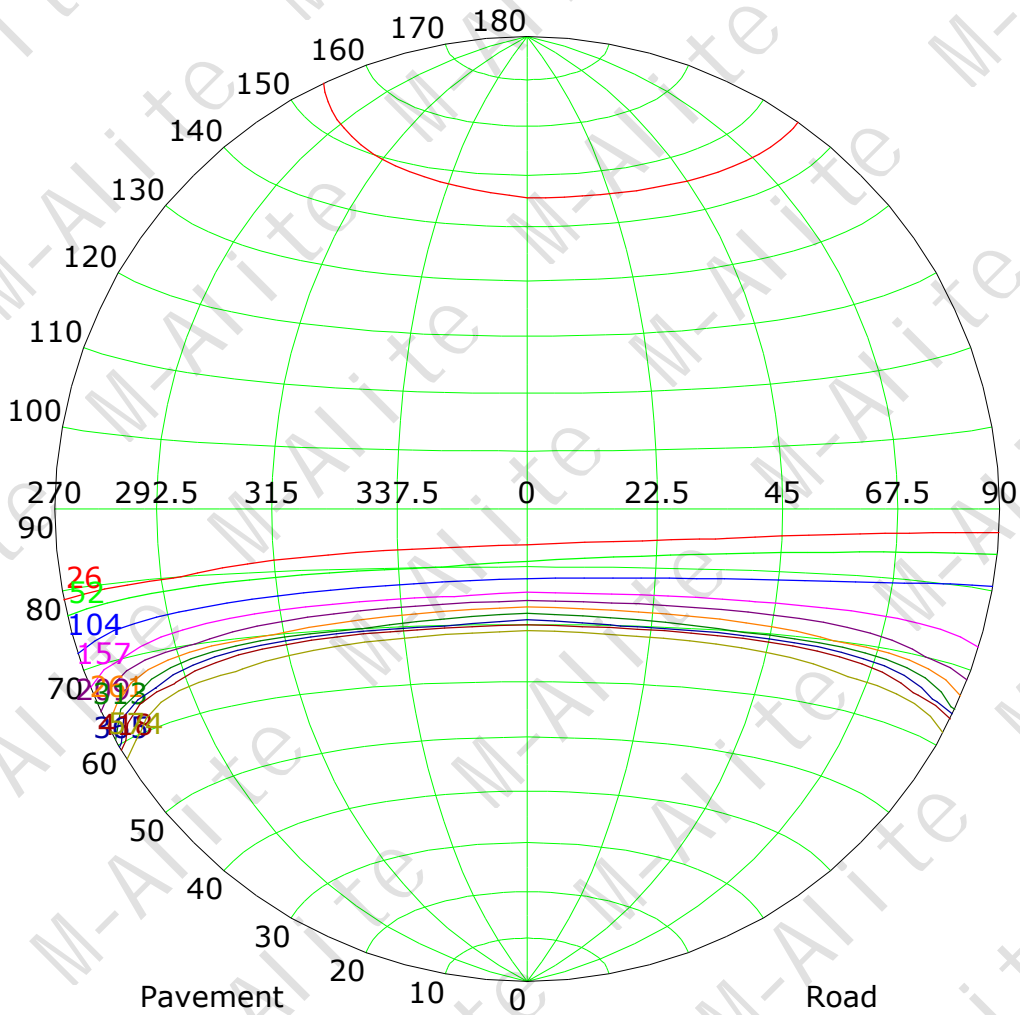
Imax (100%): 5219 cd

— (1%): 26 cd	— (1%): 52 cd
— (2%): 104 cd	— (3%): 157 cd
— (4%): 209 cd	— (5%): 261 cd
— (6%): 313 cd	— (7%): 365 cd
— (8%): 418 cd	— (11%): 574 cd

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.824 m
Humidity: 55
Inspector:

Isocandela (sphere)



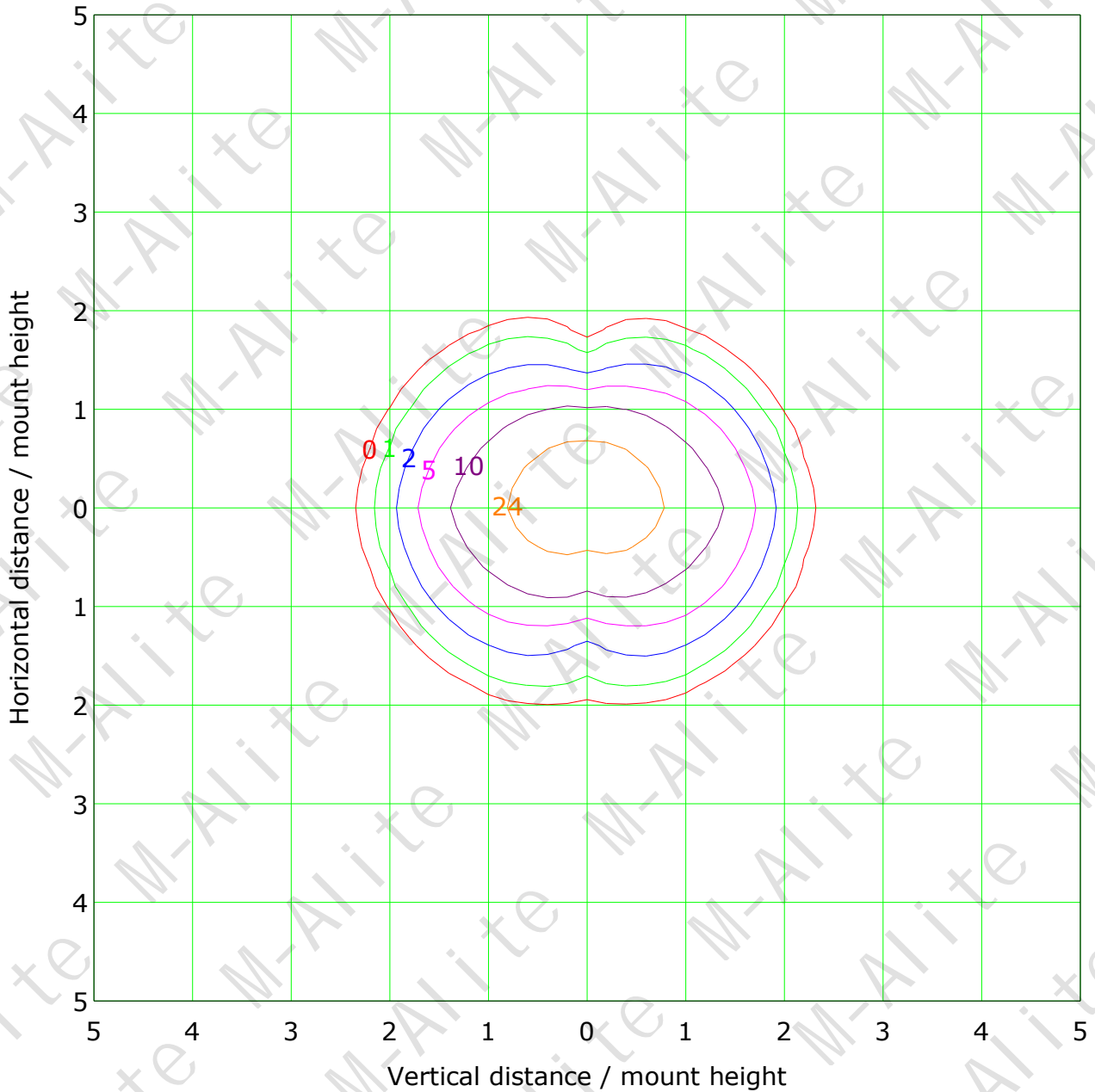
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— (1%): 26 cd	— (1%): 52 cd
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C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.824 m
Humidity: 55
Inspector:

IsoLux Plot



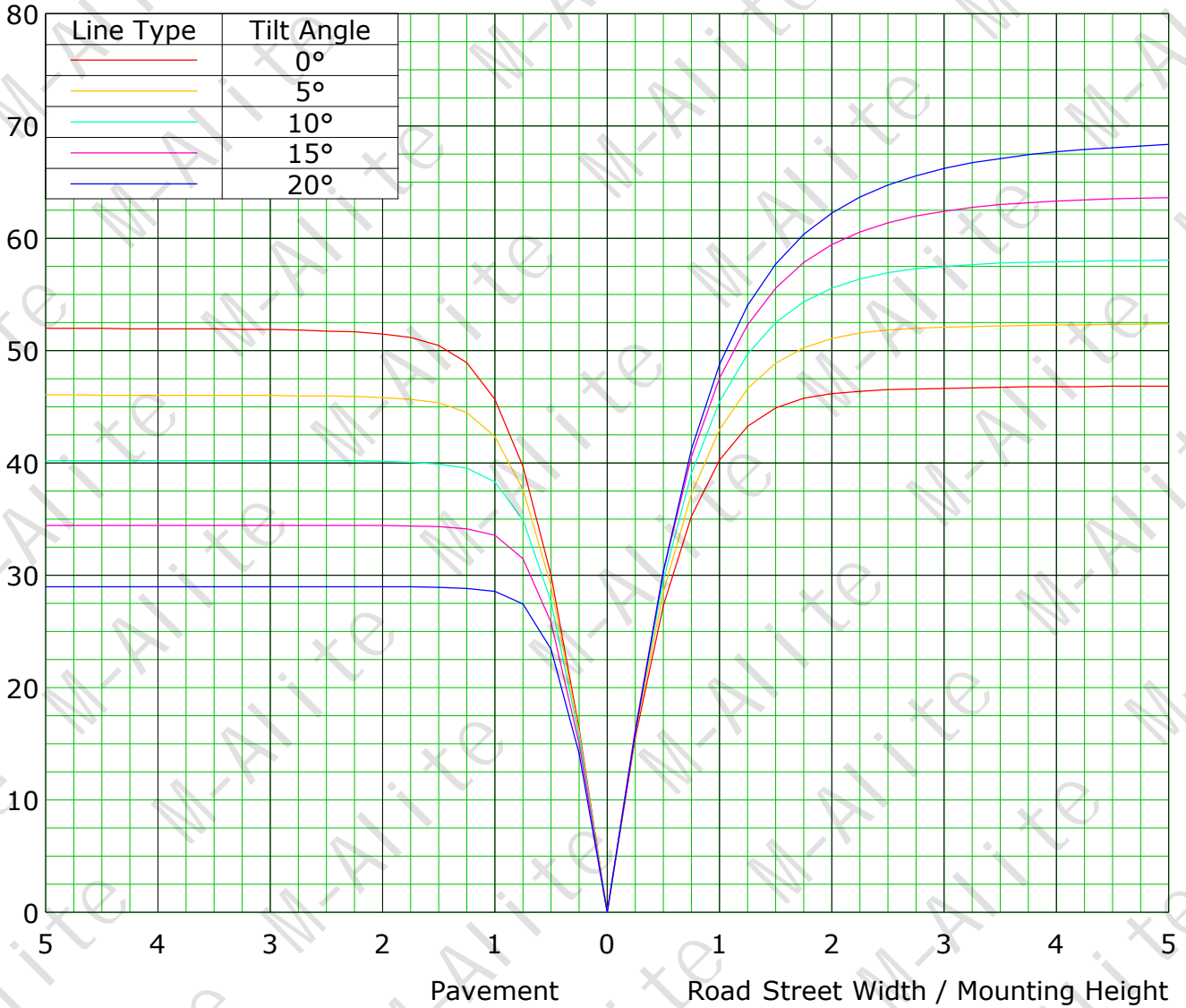
Mounting Height: 10.0m		Max Lux(100%): 48.6 lx	
<ul style="list-style-type: none"> — (1%): 0.5 lx — (5%): 2.4 lx — (20%): 9.7 lx — (100%): 48.6 lx 	<ul style="list-style-type: none"> — (2%): 1.0 lx — (10%): 4.9 lx — (50%): 24.3 lx 		

C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25
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Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.824 m
 Humidity: 55
 Inspector:

Roadway CU Curve

Efficiency(%)

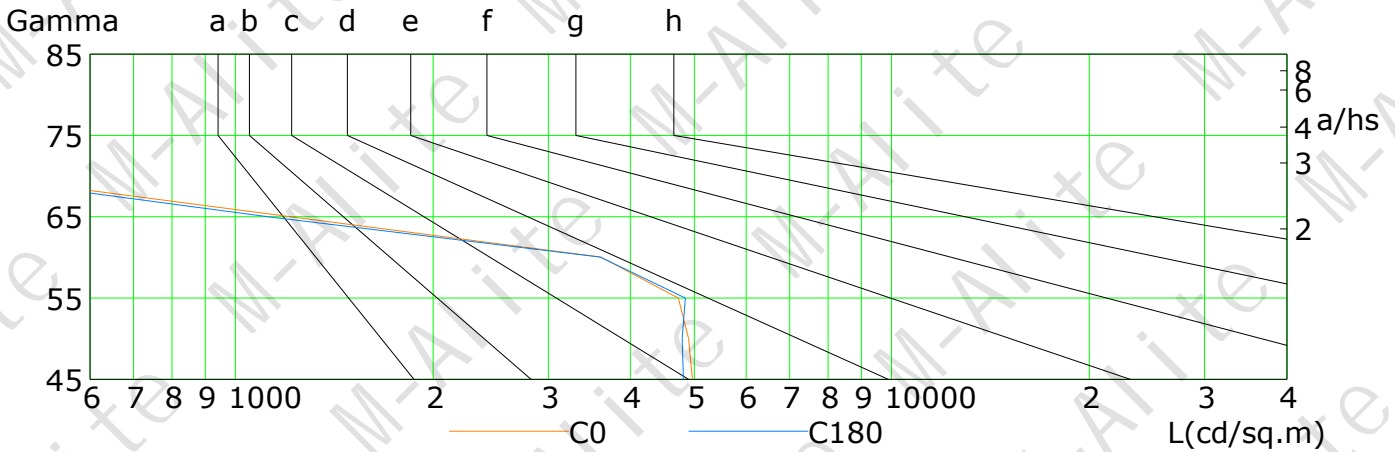
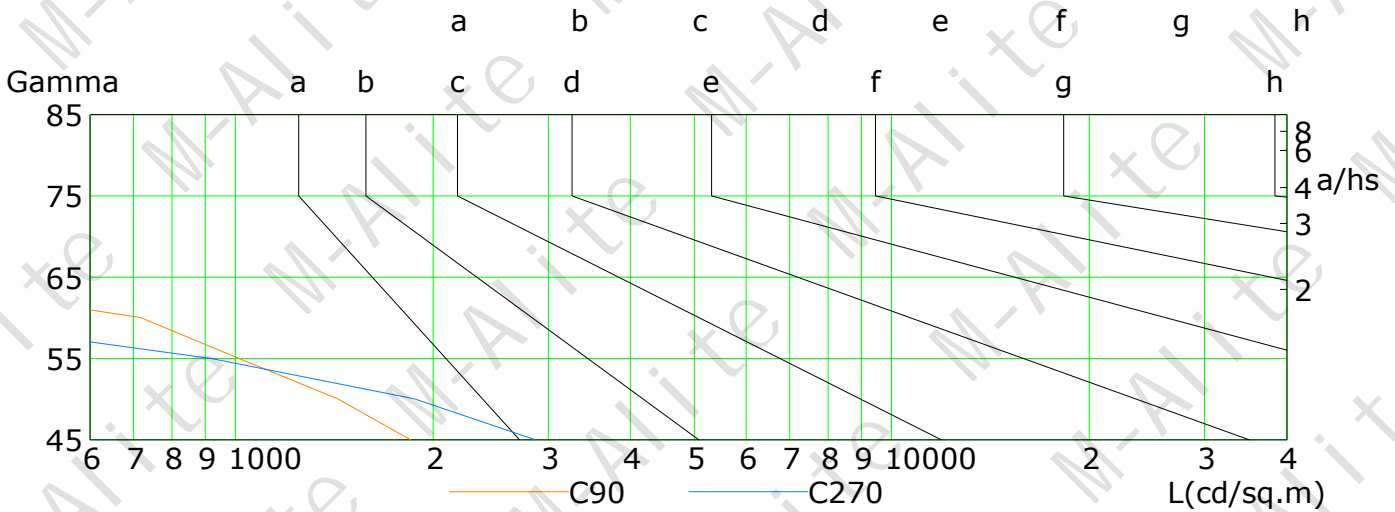


C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.824 m
Humidity: 55
Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
		2000	1000	500	<=300				
1.15	A								
1.50	B								
1.85	C								
2.20	D								
2.55	E								

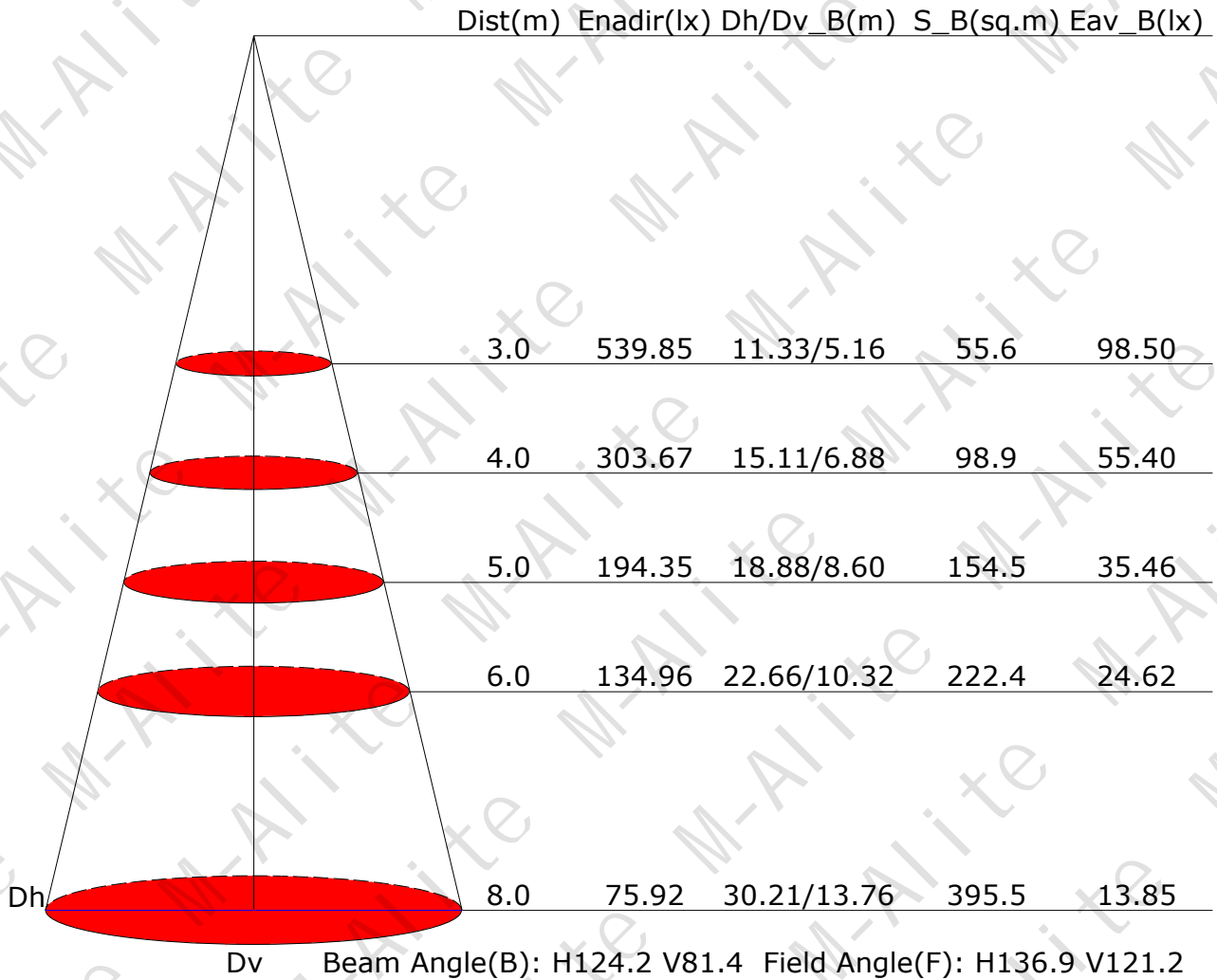


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	4967	4904	4736	3604	1213	408	170	61	16
C90	1849	1434	1013	717	301	179	141	111	44
C180	4822	4790	4854	3599	1121	385	142	57	11
C270	2868	1877	920	332	195	125	77	12	0

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.824 m
Humidity: 55
Inspector:

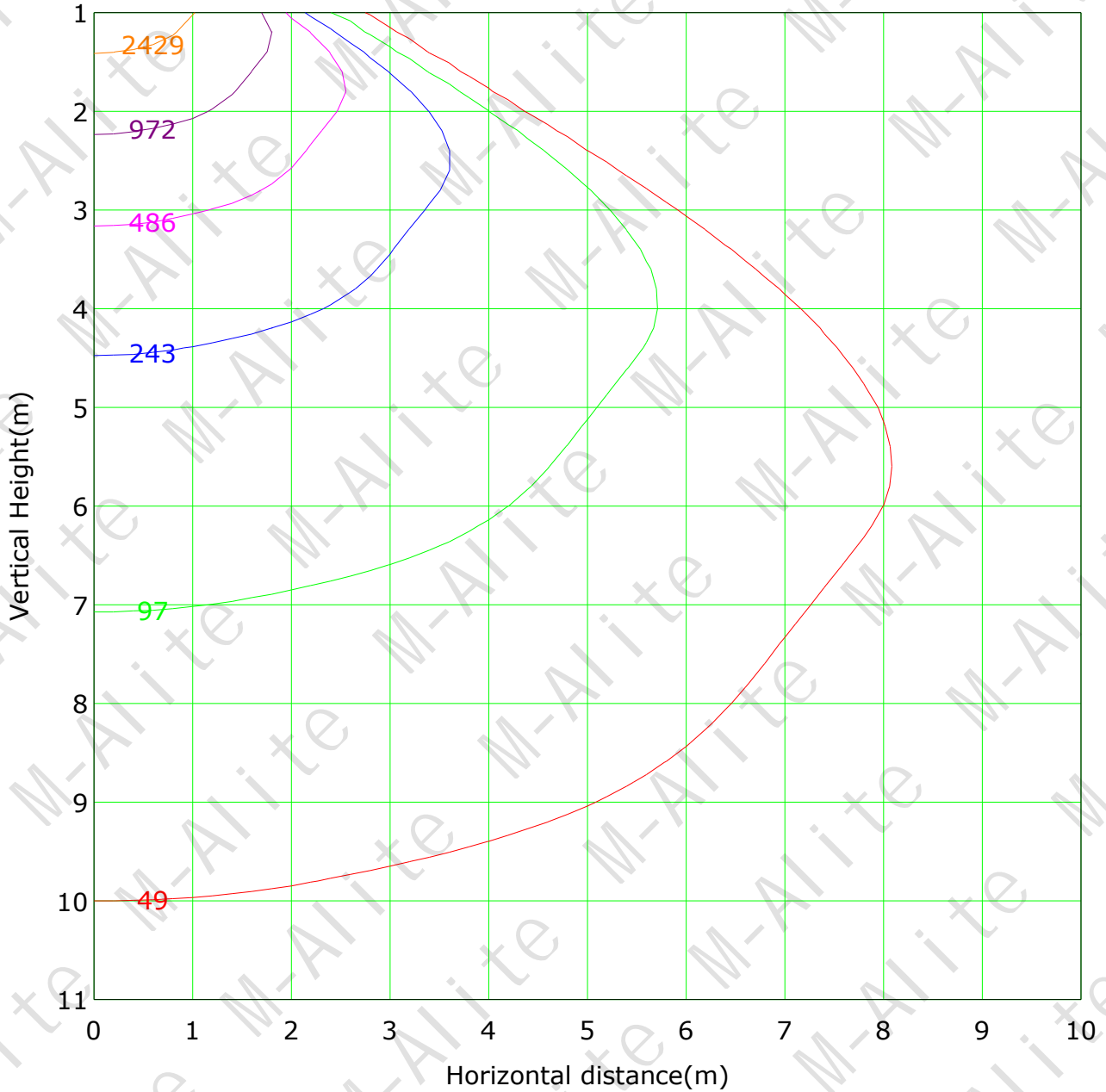
Illuminance at a Distance



C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.824 m
Humidity: 55
Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 4858.7 lx
 (1%): 48.6 lx (2%): 97.2 lx
 (5%): 242.9 lx (10%): 485.9 lx
 (20%): 971.7 lx (50%): 2429.3 lx
 (100%): 4858.7 lx

C Plane (°): 0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25
 Operator:

Gamma Plane (°): 0.0-180.0: 1.0
 Test Device: GPM-1600L
 Distance: 8.824 m
 Humidity: 55
 Inspector:

Area Flux Table

Unit: lm

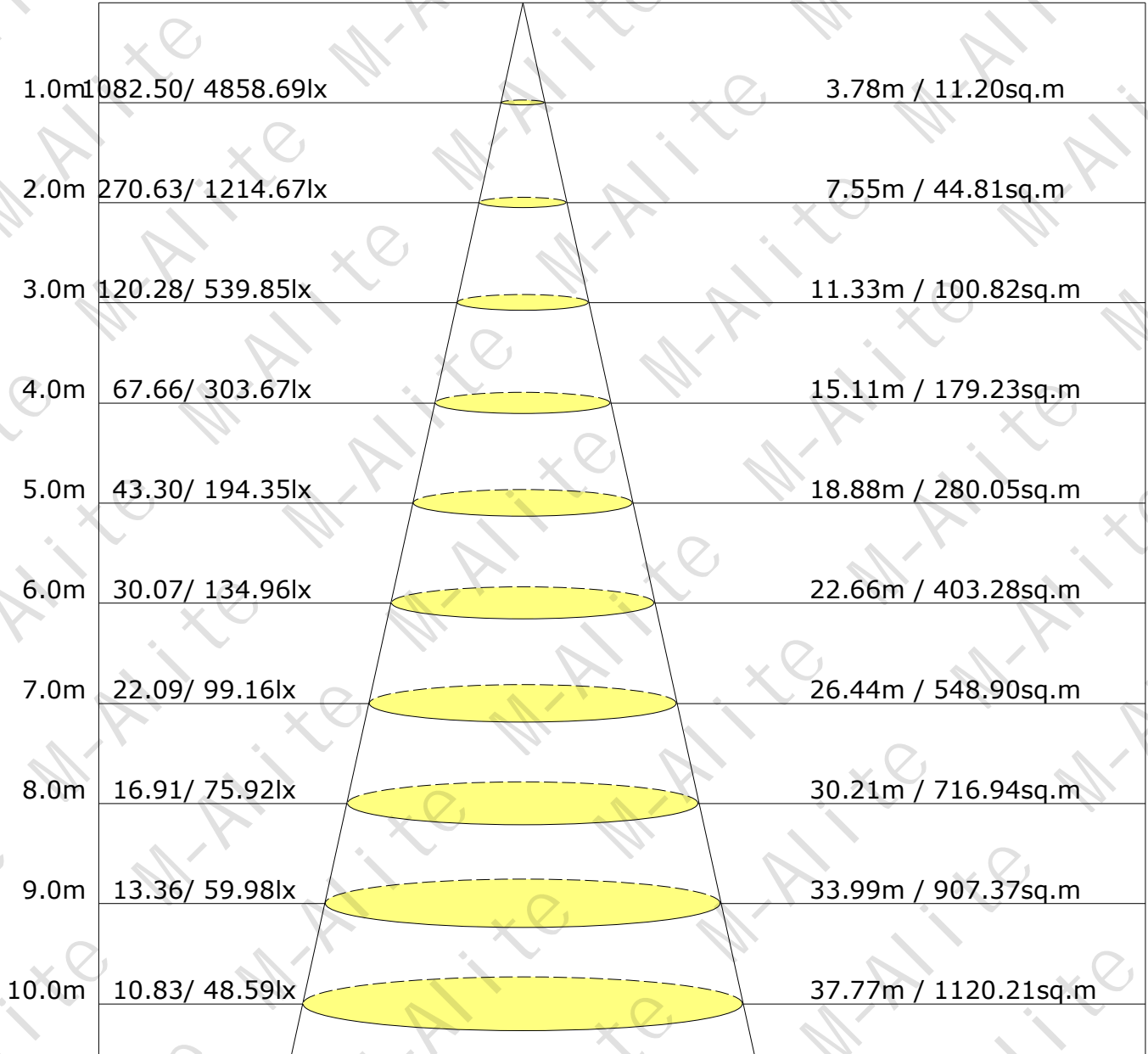
		Vertical plane																				
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90		
Flux(E)	Flux(T)	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.6	0.0	0.0	0.1	0.2	0.3	0.5	0.8	1.0	1.3	1.4	1.4	1.3	1.1	0.8	0.6	0.4	0.2	0.1	0.0	11.5	110.9
0.0	11.5	0.0	0.0	0.2	0.4	0.7	1.5	2.9	5.3	9.5	19.5	78.2	101.7	123.4	135.9	143.6	148.2	148.6	145.5	139.9	510.2	854.0
0.0	110.9	0.0	0.2	0.7	1.5	2.9	5.3	9.5	19.5	78.2	101.7	123.4	135.9	143.6	148.2	148.6	145.5	139.9	133.2	126.4	854.0	1085.4
0.0	84.6	0.0	0.2	0.7	1.5	2.9	5.3	9.5	19.5	78.2	101.7	123.4	135.9	143.6	148.2	148.6	145.5	139.9	133.2	126.4	1085.4	1622.7
0.0	84.6	0.0	0.4	1.1	2.3	4.4	7.4	11.3	14.0	12.9	13.1	14.4	11.8	7.8	4.8	2.5	1.0	0.3	0.0	0.0	1208.2	2264.3
0.0	110.9	0.0	0.4	1.1	2.3	4.4	7.4	11.3	14.0	12.9	13.1	14.4	11.8	7.8	4.8	2.5	1.0	0.3	0.0	0.0	2264.3	3242.0
0.0	110.9	0.0	0.1	0.4	1.1	1.9	2.8	3.6	4.1	4.3	4.4	4.3	3.8	3.0	2.0	1.1	0.5	0.1	0.0	0.0	3242.0	4246.7
0.0	110.9	0.0	0.1	0.4	1.1	1.9	2.8	3.6	4.1	4.3	4.4	4.3	3.8	3.0	2.0	1.1	0.5	0.1	0.0	0.0	4246.7	5268.7
0.0	110.9	0.0	0.1	0.4	1.1	1.9	2.8	3.6	4.1	4.3	4.4	4.3	3.8	3.0	2.0	1.1	0.5	0.1	0.0	0.0	5268.7	6300.3
0.0	110.9	0.0	0.1	0.4	1.1	1.9	2.8	3.6	4.1	4.3	4.4	4.3	3.8	3.0	2.0	1.1	0.5	0.1	0.0	0.0	6300.3	7325.2
0.0	110.9	0.0	0.1	0.4	1.1	1.9	2.8	3.6	4.1	4.3	4.4	4.3	3.8	3.0	2.0	1.1	0.5	0.1	0.0	0.0	7325.2	8410.7
0.0	110.9	0.0	0.1	0.4	1.1	1.9	2.8	3.6	4.1	4.3	4.4	4.3	3.8	3.0	2.0	1.1	0.5	0.1	0.0	0.0	8410.7	967.3
0.0	110.9	0.0	0.1	0.4	1.1	1.9	2.8	3.6	4.1	4.3	4.4	4.3	3.8	3.0	2.0	1.1	0.5	0.1	0.0	0.0	967.3	107.9
0.0	110.9	0.0	0.1	0.4	1.1	1.9	2.8	3.6	4.1	4.3	4.4	4.3	3.8	3.0	2.0	1.1	0.5	0.1	0.0	0.0	107.9	986.7
0.0	110.9	0.0	0.1	0.4	1.1	1.9	2.8	3.6	4.1	4.3	4.4	4.3	3.8	3.0	2.0	1.1	0.5	0.1	0.0	0.0	986.7	3529.6
0.0	110.9	0.0	0.1	0.4	1.1	1.9	2.8	3.6	4.1	4.3	4.4	4.3	3.8	3.0	2.0	1.1	0.5	0.1	0.0	0.0	3529.6	6118.4
0.0	110.9	0.0	0.1	0.4	1.1	1.9	2.8	3.6	4.1	4.3	4.4	4.3	3.8	3.0	2.0	1.1	0.5	0.1	0.0	0.0	6118.4	13.1
0.0	110.9	0.0	0.1	0.4	1.1	1.9	2.8	3.6	4.1	4.3	4.4	4.3	3.8	3.0	2.0	1.1	0.5	0.1	0.0	0.0	13.1	0.7
0.0	110.9	0.0	0.1	0.4	1.1	1.9	2.8	3.6	4.1	4.3	4.4	4.3	3.8	3.0	2.0	1.1	0.5	0.1	0.0	0.0	0.7	12827
0.0	110.9	0.0	0.1	0.4	1.1	1.9	2.8	3.6	4.1	4.3	4.4	4.3	3.8	3.0	2.0	1.1	0.5	0.1	0.0	0.0	12827	12507

C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.824 m
 Humidity: 55
 Inspector:

The Average Illuminance Effective Figure

Flux Out: 12126.31lm



Height

Avg./Nadir. E

Beam Angle:124.2°

Diameter / Area

C Plane (°):0.0-360.0: 90.0
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Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.824 m
Humidity: 55
Inspector:

Zonal Lumen

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	4809.8	4.6	4.6	0.04	0.04
1.0-2.0	4809.8	13.8	18.4	0.11	0.14
2.0-3.0	4807.1	23.0	41.4	0.18	0.32
3.0-4.0	4803.5	32.2	73.6	0.25	0.57
4.0-5.0	4800.3	41.3	114.9	0.32	0.89
5.0-6.0	4793.7	50.4	165.2	0.39	1.28
6.0-7.0	4786.1	59.4	224.7	0.46	1.74
7.0-8.0	4778.0	68.4	293.1	0.53	2.27
8.0-9.0	4767.6	77.3	370.3	0.60	2.87
9.0-10.0	4756.2	86.1	456.4	0.67	3.54
10.0-11.0	4743.0	94.8	551.2	0.73	4.27
11.0-12.0	4727.7	103.4	654.6	0.80	5.07
12.0-13.0	4711.2	111.8	766.4	0.87	5.94
13.0-14.0	4692.7	120.1	886.5	0.93	6.87
14.0-15.0	4672.8	128.3	1014.8	0.99	7.86
15.0-16.0	4653.1	136.4	1151.2	1.06	8.92
16.0-17.0	4631.2	144.2	1295.4	1.12	10.04
17.0-18.0	4608.8	152.0	1447.4	1.18	11.21
18.0-19.0	4586.9	159.6	1607.0	1.24	12.45
19.0-20.0	4564.9	167.1	1774.1	1.29	13.75
20.0-21.0	4543.1	174.5	1948.6	1.35	15.10
21.0-22.0	4519.2	181.6	2130.2	1.41	16.50
22.0-23.0	4496.8	188.7	2318.9	1.46	17.97
23.0-24.0	4476.4	195.7	2514.7	1.52	19.48
24.0-25.0	4455.6	202.6	2717.3	1.57	21.05
25.0-26.0	4436.1	209.4	2926.7	1.62	22.68
26.0-27.0	4418.0	216.2	3142.9	1.67	24.35
27.0-28.0	4400.7	222.8	3365.7	1.73	26.08
28.0-29.0	4383.7	229.4	3595.1	1.78	27.85
29.0-30.0	4365.6	235.7	3830.8	1.83	29.68
30.0-31.0	4345.1	241.8	4072.7	1.87	31.55
31.0-32.0	4321.6	247.6	4320.3	1.92	33.47
32.0-33.0	4296.3	253.1	4573.4	1.96	35.43
33.0-34.0	4269.6	258.4	4831.8	2.00	37.44
34.0-35.0	4237.1	263.2	5095.0	2.04	39.48
35.0-36.0	4200.5	267.5	5362.5	2.07	41.55

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 Distance: 8.824 m
 Humidity: 55
 Inspector:

Zonal Lumen (Continue 1)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	4160.8	271.4	5633.9	2.10	43.65
37.0-38.0	4113.0	274.6	5908.5	2.13	45.78
38.0-39.0	4056.4	276.9	6185.4	2.15	47.92
39.0-40.0	3992.9	278.5	6463.9	2.16	50.08
40.0-41.0	3929.3	279.8	6743.8	2.17	52.25
41.0-42.0	3868.2	281.1	7024.8	2.18	54.43
42.0-43.0	3800.9	281.6	7306.4	2.18	56.61
43.0-44.0	3731.4	281.7	7588.1	2.18	58.79
44.0-45.0	3662.5	281.5	7869.6	2.18	60.97
45.0-46.0	3590.6	280.8	8150.4	2.18	63.15
46.0-47.0	3518.8	279.9	8430.3	2.17	65.32
47.0-48.0	3439.5	278.1	8708.4	2.15	67.47
48.0-49.0	3357.0	275.7	8984.1	2.14	69.61
49.0-50.0	3284.5	273.9	9258.0	2.12	71.73
50.0-51.0	3217.2	272.2	9530.3	2.11	73.84
51.0-52.0	3151.2	270.4	9800.7	2.10	75.93
52.0-53.0	3085.0	268.4	10069.1	2.08	78.01
53.0-54.0	3010.8	265.4	10334.5	2.06	80.07
54.0-55.0	2925.9	261.2	10595.7	2.02	82.09
55.0-56.0	2824.1	255.2	10851.0	1.98	84.07
56.0-57.0	2706.2	247.5	11098.4	1.92	85.99
57.0-58.0	2569.6	237.7	11336.1	1.84	87.83
58.0-59.0	2391.0	223.6	11559.6	1.73	89.56
59.0-60.0	2175.5	205.6	11765.2	1.59	91.15
60.0-61.0	1938.2	185.0	11950.2	1.43	92.59
61.0-62.0	1670.9	161.0	12111.2	1.25	93.84
62.0-63.0	1384.6	134.7	12245.9	1.04	94.88
63.0-64.0	1087.0	106.7	12352.6	0.83	95.71
64.0-65.0	820.6	81.2	12433.8	0.63	96.33
65.0-66.0	629.4	62.8	12496.6	0.49	96.82
66.0-67.0	495.4	49.8	12546.4	0.39	97.21
67.0-68.0	404.6	41.0	12587.4	0.32	97.52
68.0-69.0	342.9	35.0	12622.4	0.27	97.80
69.0-70.0	295.2	30.3	12652.7	0.23	98.03
70.0-71.0	257.4	26.6	12679.3	0.21	98.24
71.0-72.0	223.7	23.3	12702.6	0.18	98.42

C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.824 m
 Humidity: 55
 Inspector:

Zonal Lumen (Continue 2)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	192.4	20.1	12722.7	0.16	98.57
73.0-74.0	165.3	17.4	12740.1	0.13	98.71
74.0-75.0	142.4	15.1	12755.1	0.12	98.82
75.0-76.0	123.7	13.1	12768.3	0.10	98.93
76.0-77.0	106.8	11.4	12779.7	0.09	99.01
77.0-78.0	92.3	9.9	12789.5	0.08	99.09
78.0-79.0	79.4	8.5	12798.1	0.07	99.16
79.0-80.0	66.6	7.2	12805.3	0.06	99.21
80.0-81.0	55.3	6.0	12811.2	0.05	99.26
81.0-82.0	46.3	5.0	12816.3	0.04	99.30
82.0-83.0	37.8	4.1	12820.4	0.03	99.33
83.0-84.0	29.8	3.2	12823.6	0.03	99.35
84.0-85.0	22.0	2.4	12826.0	0.02	99.37
85.0-86.0	13.9	1.5	12827.5	0.01	99.39
86.0-87.0	5.5	0.6	12828.1	0.00	99.39
87.0-88.0	0.5	0.1	12828.2	0.00	99.39
88.0-89.0	0.0	0.0	12828.2	0.00	99.39
89.0-90.0	0.0	0.0	12828.2	0.00	99.39
90.0-91.0	0.0	0.0	12828.2	0.00	99.39
91.0-92.0	0.0	0.0	12828.2	0.00	99.39
92.0-93.0	0.0	0.0	12828.2	0.00	99.39
93.0-94.0	0.0	0.0	12828.2	0.00	99.39
94.0-95.0	0.0	0.0	12828.2	0.00	99.39
95.0-96.0	0.0	0.0	12828.2	0.00	99.39
96.0-97.0	0.0	0.0	12828.2	0.00	99.39
97.0-98.0	0.0	0.0	12828.2	0.00	99.39
98.0-99.0	0.0	0.0	12828.2	0.00	99.39
99.0-100.0	0.0	0.0	12828.2	0.00	99.39
100.0-101.0	0.2	0.0	12828.2	0.00	99.39
101.0-102.0	0.1	0.0	12828.2	0.00	99.39
102.0-103.0	0.5	0.1	12828.3	0.00	99.39
103.0-104.0	1.1	0.1	12828.4	0.00	99.39
104.0-105.0	1.7	0.2	12828.6	0.00	99.39
105.0-106.0	2.1	0.2	12828.8	0.00	99.39
106.0-107.0	2.4	0.3	12829.1	0.00	99.40
107.0-108.0	2.8	0.3	12829.4	0.00	99.40

C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.824 m
 Humidity: 55
 Inspector:

Zonal Lumen (Continue 3)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	3.3	0.3	12829.7	0.00	99.40
109.0-110.0	3.6	0.4	12830.1	0.00	99.40
110.0-111.0	4.0	0.4	12830.5	0.00	99.41
111.0-112.0	4.4	0.4	12830.9	0.00	99.41
112.0-113.0	4.6	0.5	12831.4	0.00	99.41
113.0-114.0	5.1	0.5	12831.9	0.00	99.42
114.0-115.0	5.9	0.6	12832.5	0.00	99.42
115.0-116.0	6.4	0.6	12833.1	0.00	99.43
116.0-117.0	6.8	0.7	12833.8	0.01	99.43
117.0-118.0	7.4	0.7	12834.5	0.01	99.44
118.0-119.0	8.1	0.8	12835.3	0.01	99.45
119.0-120.0	8.8	0.8	12836.1	0.01	99.45
120.0-121.0	9.5	0.9	12837.0	0.01	99.46
121.0-122.0	10.5	1.0	12838.0	0.01	99.47
122.0-123.0	11.2	1.0	12839.1	0.01	99.47
123.0-124.0	11.8	1.1	12840.1	0.01	99.48
124.0-125.0	12.3	1.1	12841.2	0.01	99.49
125.0-126.0	12.7	1.1	12842.4	0.01	99.50
126.0-127.0	13.4	1.2	12843.6	0.01	99.51
127.0-128.0	13.8	1.2	12844.8	0.01	99.52
128.0-129.0	14.4	1.2	12846.0	0.01	99.53
129.0-130.0	15.3	1.3	12847.3	0.01	99.54
130.0-131.0	15.7	1.3	12848.6	0.01	99.55
131.0-132.0	16.5	1.4	12850.0	0.01	99.56
132.0-133.0	17.1	1.4	12851.3	0.01	99.57
133.0-134.0	17.5	1.4	12852.7	0.01	99.58
134.0-135.0	18.1	1.4	12854.1	0.01	99.59
135.0-136.0	19.1	1.5	12855.6	0.01	99.60
136.0-137.0	19.6	1.5	12857.1	0.01	99.61
137.0-138.0	20.1	1.5	12858.6	0.01	99.63
138.0-139.0	20.8	1.5	12860.1	0.01	99.64
139.0-140.0	21.5	1.5	12861.6	0.01	99.65
140.0-141.0	22.4	1.6	12863.2	0.01	99.66
141.0-142.0	22.9	1.6	12864.8	0.01	99.67
142.0-143.0	23.5	1.6	12866.3	0.01	99.69
143.0-144.0	24.2	1.6	12867.9	0.01	99.70

C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.824 m
 Humidity: 55
 Inspector:

Zonal Lumen (Continue 4)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	24.7	1.6	12869.5	0.01	99.71
145.0-146.0	25.4	1.6	12871.1	0.01	99.72
146.0-147.0	26.4	1.6	12872.7	0.01	99.73
147.0-148.0	27.1	1.6	12874.3	0.01	99.75
148.0-149.0	28.0	1.6	12875.9	0.01	99.76
149.0-150.0	28.6	1.6	12877.5	0.01	99.77
150.0-151.0	29.1	1.6	12879.0	0.01	99.78
151.0-152.0	29.9	1.6	12880.6	0.01	99.80
152.0-153.0	30.9	1.6	12882.2	0.01	99.81
153.0-154.0	31.8	1.6	12883.7	0.01	99.82
154.0-155.0	32.4	1.5	12885.2	0.01	99.83
155.0-156.0	33.2	1.5	12886.7	0.01	99.84
156.0-157.0	33.9	1.5	12888.2	0.01	99.86
157.0-158.0	34.2	1.4	12889.7	0.01	99.87
158.0-159.0	34.7	1.4	12891.1	0.01	99.88
159.0-160.0	35.2	1.4	12892.4	0.01	99.89
160.0-161.0	36.0	1.3	12893.7	0.01	99.90
161.0-162.0	36.5	1.3	12895.0	0.01	99.91
162.0-163.0	36.8	1.2	12896.2	0.01	99.92
163.0-164.0	37.3	1.2	12897.4	0.01	99.93
164.0-165.0	37.7	1.1	12898.5	0.01	99.93
165.0-166.0	37.9	1.0	12899.5	0.01	99.94
166.0-167.0	38.5	1.0	12900.5	0.01	99.95
167.0-168.0	38.8	0.9	12901.4	0.01	99.96
168.0-169.0	39.0	0.9	12902.3	0.01	99.96
169.0-170.0	39.2	0.8	12903.1	0.01	99.97
170.0-171.0	39.4	0.7	12903.8	0.01	99.98
171.0-172.0	39.8	0.6	12904.4	0.00	99.98
172.0-173.0	40.2	0.6	12905.0	0.00	99.99
173.0-174.0	40.5	0.5	12905.5	0.00	99.99
174.0-175.0	40.8	0.4	12905.9	0.00	99.99
175.0-176.0	40.7	0.4	12906.3	0.00	100.00
176.0-177.0	40.7	0.3	12906.6	0.00	100.00
177.0-178.0	40.9	0.2	12906.8	0.00	100.00
178.0-179.0	41.0	0.1	12906.9	0.00	100.00
179.0-180.0	41.1	0.0	12906.9	0.00	100.00

C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.824 m
 Humidity: 55
 Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G0.0	4858.7	4760.6	4858.7	4760.6	4858.7					
G1.0	4860.1	4730.0	4859.6	4790.0	4860.1					
G2.0	4864.8	4698.7	4857.0	4818.2	4864.8					
G3.0	4864.3	4656.3	4854.5	4842.9	4864.3					
G4.0	4868.3	4616.6	4856.6	4868.1	4868.3					
G5.0	4872.8	4571.1	4858.7	4890.2	4872.8					
G6.0	4875.4	4518.2	4856.3	4906.7	4875.4					
G7.0	4881.0	4468.1	4857.5	4925.8	4881.0					
G8.0	4883.2	4414.9	4856.6	4937.3	4883.2					
G9.0	4890.9	4350.0	4859.6	4948.6	4890.9					
G10.0	4896.1	4290.4	4858.5	4955.6	4896.1					
G11.0	4903.6	4215.9	4861.3	4962.7	4903.6					
G12.0	4910.5	4144.1	4860.8	4962.7	4910.5					
G13.0	4916.3	4068.3	4862.2	4964.8	4916.3					
G14.0	4924.8	3978.0	4866.7	4960.6	4924.8					
G15.0	4933.8	3894.9	4868.6	4955.4	4933.8					
G16.0	4945.3	3804.3	4873.8	4948.8	4945.3					
G17.0	4959.6	3703.1	4874.7	4939.6	4959.6					
G18.0	4971.9	3610.9	4878.5	4932.3	4971.9					
G19.0	4990.5	3505.9	4883.6	4921.5	4990.5					
G20.0	5008.1	3411.4	4891.9	4906.7	5008.1					
G21.0	5027.9	3309.2	4900.6	4889.0	5027.9					
G22.0	5048.1	3202.9	4910.2	4865.5	5048.1					
G23.0	5067.9	3117.9	4921.5	4840.1	5067.9					
G24.0	5089.8	3031.8	4933.0	4809.0	5089.8					
G25.0	5109.5	2951.6	4946.9	4773.0	5109.5					
G26.0	5131.6	2884.5	4958.0	4733.3	5131.6					
G27.0	5154.0	2819.4	4974.5	4688.6	5154.0					
G28.0	5170.9	2771.6	4987.6	4638.9	5170.9					
G29.0	5186.7	2725.2	5005.0	4583.9	5186.7					
G30.0	5198.9	2677.2	5018.0	4530.0	5198.9					
G31.0	5209.8	2629.5	5029.3	4468.6	5209.8					
G32.0	5217.0	2582.4	5037.3	4399.1	5217.0					
G33.0	5219.2	2539.1	5043.2	4333.3	5219.2					
G34.0	5217.5	2493.7	5044.6	4266.0	5217.5					
G35.0	5213.5	2438.6	5042.5	4180.3	5213.5					
G36.0	5200.1	2389.2	5035.9	4103.9	5200.1					

C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.824 m
 Humidity: 55
 Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G37.0	5186.9	2336.3	5025.0	4008.8	5186.9					
G38.0	5162.5	2278.9	5008.3	3897.5	5162.5					
G39.0	5136.8	2222.2	4987.6	3757.7	5136.8					
G40.0	5106.7	2163.3	4963.6	3605.0	5106.7					
G41.0	5074.2	2104.8	4939.4	3477.7	5074.2					
G42.0	5043.6	2047.1	4911.6	3346.9	5043.6					
G43.0	5010.2	1976.5	4881.5	3189.5	5010.2					
G44.0	4986.2	1914.2	4852.3	3040.8	4986.2					
G45.0	4966.9	1849.0	4822.5	2867.8	4966.9					
G46.0	4947.4	1773.0	4802.5	2696.1	4947.4					
G47.0	4930.7	1696.3	4782.7	2521.5	4930.7					
G48.0	4916.1	1604.0	4771.9	2293.0	4916.1					
G49.0	4908.8	1519.8	4774.7	2067.3	4908.8					
G50.0	4904.1	1433.9	4790.2	1877.2	4904.1					
G51.0	4898.7	1337.4	4826.0	1670.4	4898.7					
G52.0	4888.1	1258.6	4858.7	1472.0	4888.1					
G53.0	4865.0	1180.0	4893.3	1264.5	4865.0					
G54.0	4815.2	1087.1	4891.6	1089.7	4815.2					
G55.0	4736.1	1013.0	4854.2	920.3	4736.1					
G56.0	4611.9	942.1	4752.8	762.8	4611.9					
G57.0	4449.0	883.5	4596.6	650.6	4449.0					
G58.0	4243.1	828.3	4364.8	541.2	4243.1					
G59.0	3932.1	771.3	4017.7	429.7	3932.1					
G60.0	3604.3	717.2	3599.4	332.5	3604.3					
G61.0	3201.7	652.5	3132.5	265.4	3201.7					
G62.0	2699.8	560.7	2614.9	240.0	2699.8					
G63.0	2203.1	480.3	2054.4	223.5	2203.1					
G64.0	1637.7	382.1	1506.6	208.2	1637.7					
G65.0	1212.7	301.2	1121.2	195.1	1212.7					
G66.0	938.1	246.8	843.8	176.2	938.1					
G67.0	716.5	215.8	666.6	159.5	716.5					
G68.0	578.8	202.6	551.3	145.6	578.8					
G69.0	486.4	189.9	454.6	133.6	486.4					
G70.0	408.5	178.8	385.2	124.7	408.5					
G71.0	354.6	168.7	324.5	114.6	354.6					
G72.0	303.5	158.8	259.8	104.7	303.5					
G73.0	256.0	151.5	210.4	94.8	256.0					

C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.824 m
 Humidity: 55
 Inspector:

Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G74.0	210.6	145.4	166.6	86.8	210.6					
G75.0	169.9	140.7	142.4	77.2	169.9					
G76.0	138.6	135.3	120.2	65.4	138.6					
G77.0	113.2	129.4	101.2	51.3	113.2					
G78.0	92.7	125.9	85.7	38.8	92.7					
G79.0	77.9	119.3	70.8	24.5	77.9					
G80.0	60.9	110.8	56.9	11.5	60.9					
G81.0	49.7	103.3	47.1	1.9	49.7					
G82.0	40.0	92.2	36.5	0.0	40.0					
G83.0	29.9	74.6	29.2	0.0	29.9					
G84.0	23.5	60.2	20.9	0.0	23.5					
G85.0	15.5	44.5	11.3	0.0	15.5					
G86.0	8.9	24.2	6.6	0.0	8.9					
G87.0	3.5	0.2	0.2	0.0	3.5					
G88.0	0.0	0.0	0.0	0.0	0.0					
G89.0	0.0	0.0	0.0	0.0	0.0					
G90.0	0.0	0.0	0.0	0.0	0.0					
G91.0	0.0	0.0	0.0	0.0	0.0					
G92.0	0.0	0.0	0.0	0.0	0.0					
G93.0	0.0	0.0	0.0	0.0	0.0					
G94.0	0.0	0.0	0.0	0.0	0.0					
G95.0	0.0	0.0	0.0	0.0	0.0					
G96.0	0.0	0.0	0.0	0.0	0.0					
G97.0	0.0	0.0	0.0	0.0	0.0					
G98.0	0.0	0.0	0.0	0.0	0.0					
G99.0	0.0	0.0	0.0	0.0	0.0					
G100.0	0.0	0.0	0.2	0.0	0.0					
G101.0	0.0	0.0	1.2	0.0	0.0					
G102.0	0.0	0.0	0.0	0.0	0.0					
G103.0	0.5	0.0	3.3	0.0	0.5					
G104.0	0.7	0.0	4.5	0.0	0.7					
G105.0	2.6	0.0	5.7	0.0	2.6					
G106.0	2.6	0.0	6.1	0.0	2.6					
G107.0	4.2	0.0	6.1	0.0	4.2					
G108.0	4.7	0.0	7.5	0.0	4.7					
G109.0	5.9	0.0	8.5	0.0	5.9					
G110.0	5.9	0.0	8.9	0.0	5.9					

C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.824 m
 Humidity: 55
 Inspector:

Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G111.0	6.8	0.0	10.4	0.0	6.8					
G112.0	7.8	0.0	10.1	0.0	7.8					
G113.0	6.3	1.4	11.5	0.0	6.3					
G114.0	9.4	0.5	11.5	0.0	9.4					
G115.0	9.9	2.6	13.4	0.0	9.9					
G116.0	10.1	2.3	12.7	0.0	10.1					
G117.0	11.3	3.3	14.4	0.0	11.3					
G118.0	12.2	3.8	14.4	0.0	12.2					
G119.0	12.5	5.9	15.8	0.5	12.5					
G120.0	12.7	6.3	16.5	0.2	12.7					
G121.0	14.4	7.8	17.2	0.9	14.4					
G122.0	13.9	8.5	17.6	3.5	13.9					
G123.0	15.1	9.2	17.9	4.0	15.1					
G124.0	15.3	10.4	18.8	3.8	15.3					
G125.0	15.3	10.8	19.5	4.7	15.3					
G126.0	16.2	11.5	19.1	4.2	16.2					
G127.0	17.2	12.5	20.5	5.7	17.2					
G128.0	16.0	14.1	19.5	5.2	16.0					
G129.0	18.1	14.6	21.4	6.6	18.1					
G130.0	17.6	15.3	21.2	7.3	17.6					
G131.0	17.9	16.2	21.9	8.0	17.9					
G132.0	18.8	16.7	23.1	9.2	18.8					
G133.0	19.3	17.4	23.3	9.2	19.3					
G134.0	19.5	18.4	23.3	9.9	19.5					
G135.0	20.9	20.2	23.5	9.4	20.9					
G136.0	20.9	20.9	24.5	12.2	20.9					
G137.0	22.1	20.5	24.9	10.6	22.1					
G138.0	21.4	22.1	25.4	13.9	21.4					
G139.0	22.4	22.6	25.2	13.4	22.4					
G140.0	23.1	23.8	26.4	15.5	23.1					
G141.0	23.5	24.2	26.8	16.2	23.5					
G142.0	24.5	24.7	26.4	16.9	24.5					
G143.0	24.9	24.9	27.5	18.1	24.9					
G144.0	25.4	26.1	28.9	17.9	25.4					
G145.0	25.4	26.1	29.9	17.9	25.4					
G146.0	27.1	26.8	30.6	19.5	27.1					
G147.0	27.5	28.0	31.1	20.2	27.5					

C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.824 m
 Humidity: 55
 Inspector:

Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G148.0	28.0	29.6	31.5	21.2	28.0					
G149.0	28.7	30.1	32.2	22.8	28.7					
G150.0	31.1	29.4	32.7	21.9	31.1					
G151.0	30.6	29.9	32.9	24.2	30.6					
G152.0	32.0	31.8	32.9	24.9	32.0					
G153.0	32.7	32.7	34.6	25.4	32.7					
G154.0	33.2	33.2	36.0	26.8	33.2					
G155.0	33.9	34.3	35.1	26.6	33.9					
G156.0	35.1	35.8	36.7	28.5	35.1					
G157.0	35.3	36.5	36.5	27.3	35.3					
G158.0	36.0	36.5	36.9	28.7	36.0					
G159.0	35.5	37.2	36.2	30.8	35.5					
G160.0	36.5	38.1	37.7	29.9	36.5					
G161.0	36.9	39.3	37.4	32.0	36.9					
G162.0	36.0	39.5	38.3	32.7	36.0					
G163.0	36.9	39.8	38.6	32.5	36.9					
G164.0	38.3	39.8	38.8	33.7	38.3					
G165.0	37.2	40.0	38.6	35.3	37.2					
G166.0	38.1	40.5	39.5	34.3	38.1					
G167.0	38.6	41.2	39.8	36.0	38.6					
G168.0	38.6	40.7	39.1	36.7	38.6					
G169.0	38.8	41.4	39.8	36.7	38.8					
G170.0	39.1	41.4	40.0	36.7	39.1					
G171.0	39.5	41.4	39.8	37.2	39.5					
G172.0	40.2	41.4	40.7	38.1	40.2					
G173.0	39.1	41.9	41.2	39.1	39.1					
G174.0	40.2	42.1	40.7	39.8	40.2					
G175.0	40.5	41.4	41.7	39.8	40.5					
G176.0	39.3	42.1	40.2	40.9	39.3					
G177.0	39.1	42.1	41.2	40.7	39.1					
G178.0	40.5	41.4	41.2	41.2	40.5					
G179.0	40.7	39.5	41.4	41.9	40.7					
G180.0	41.4	40.7	41.7	41.4	41.4					

C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.824 m
 Humidity: 55
 Inspector: