

Report No.:

Test Time: 2022-08-17 15:30

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: 100W

Current: 0.443 A

Power Factor: 0.987

Voltage: 220.4 V

Power: 96.41 W

Photometric Results

IES Classification: Type II

Total Rated Lamp Lumens: 12486.2 lm

Efficiency: 100%

Upward Ratio: 1%

Central Intensity: 4189.53 cd

Pos of Max. Intensity: H0 V33

Longitudinal Classification: Very Short

Measurement Flux: 12486.2 lm

Downward Ratio: 99%

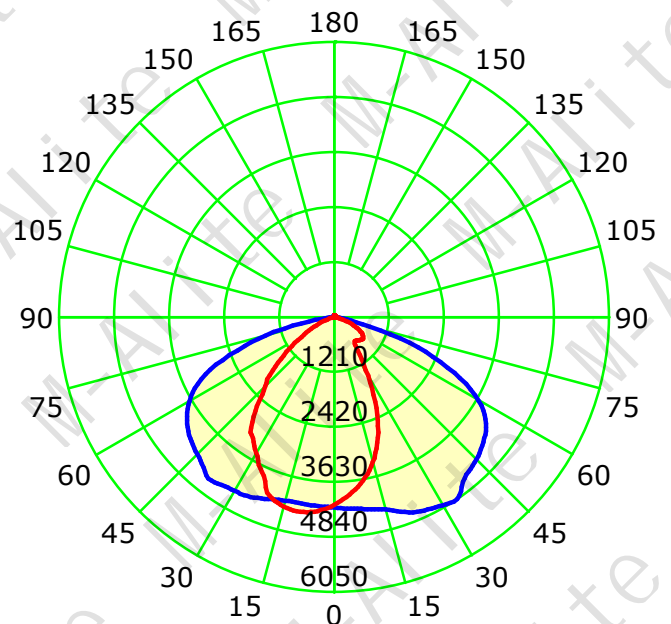
Luminaire Efficacy Rating (LER): 129.56

Max. Intensity: 4840.57 cd

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 103.9°

— 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

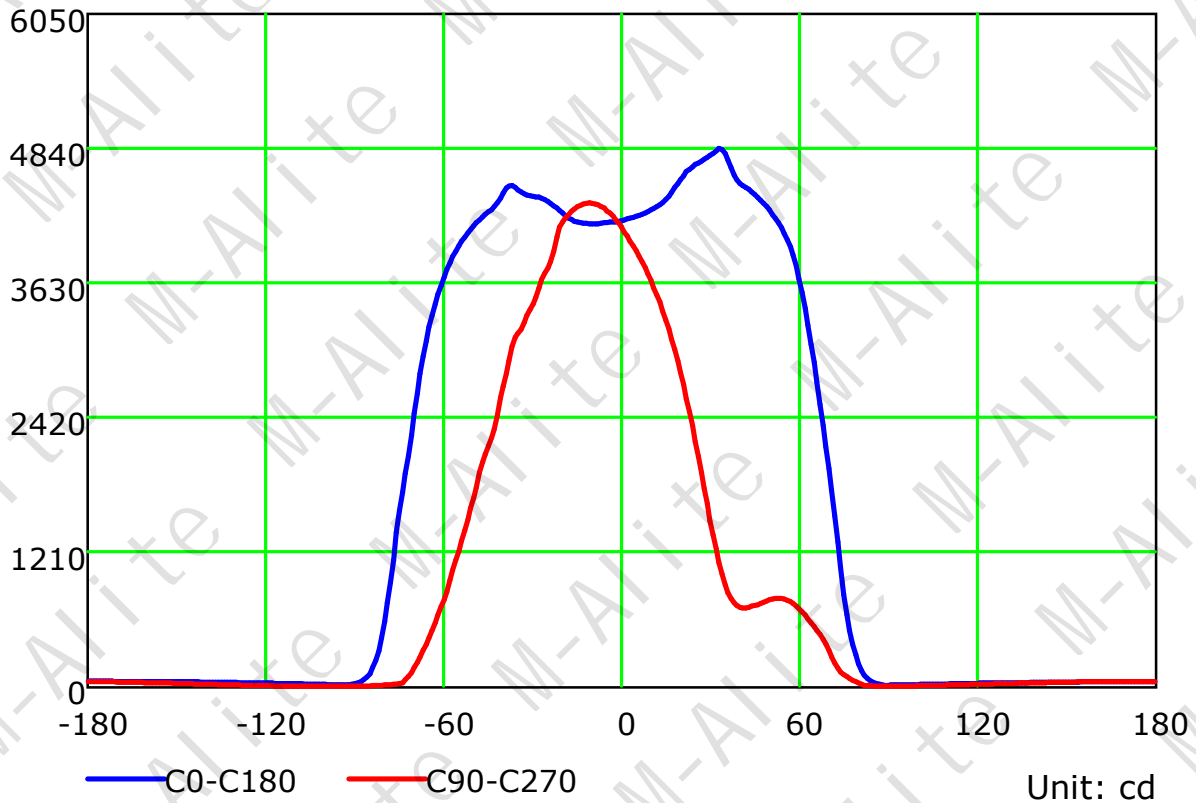
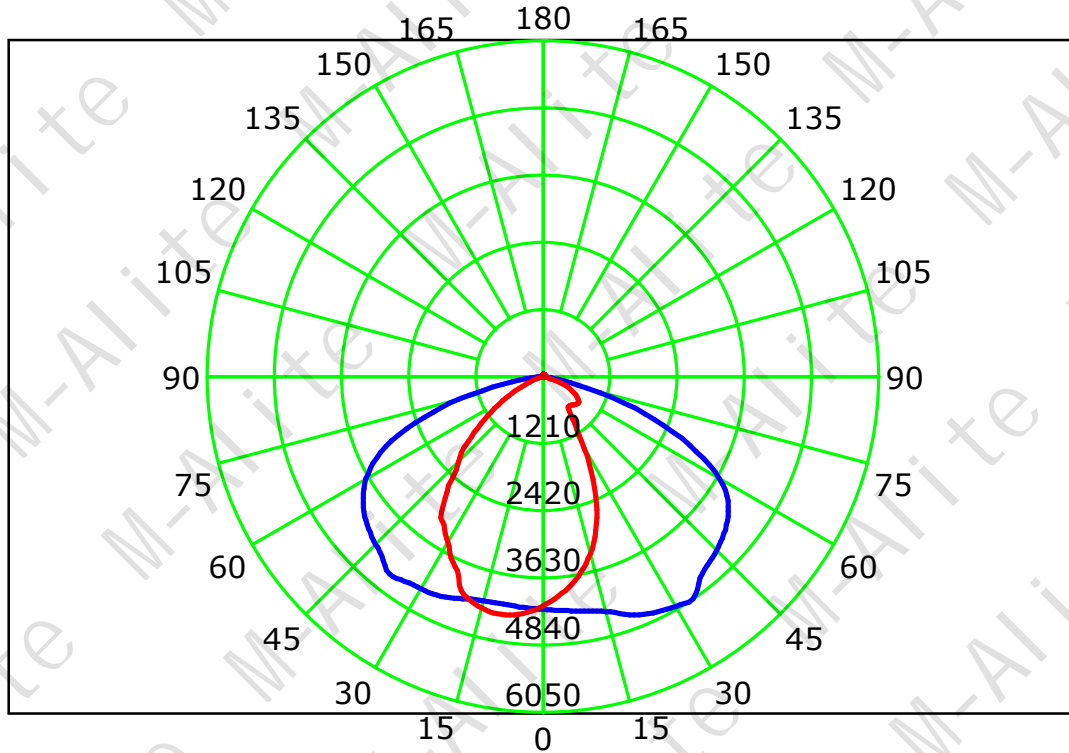
Test Device: GPM-1600L

Distance: 8.824 m

Humidity: 55

Inspector:

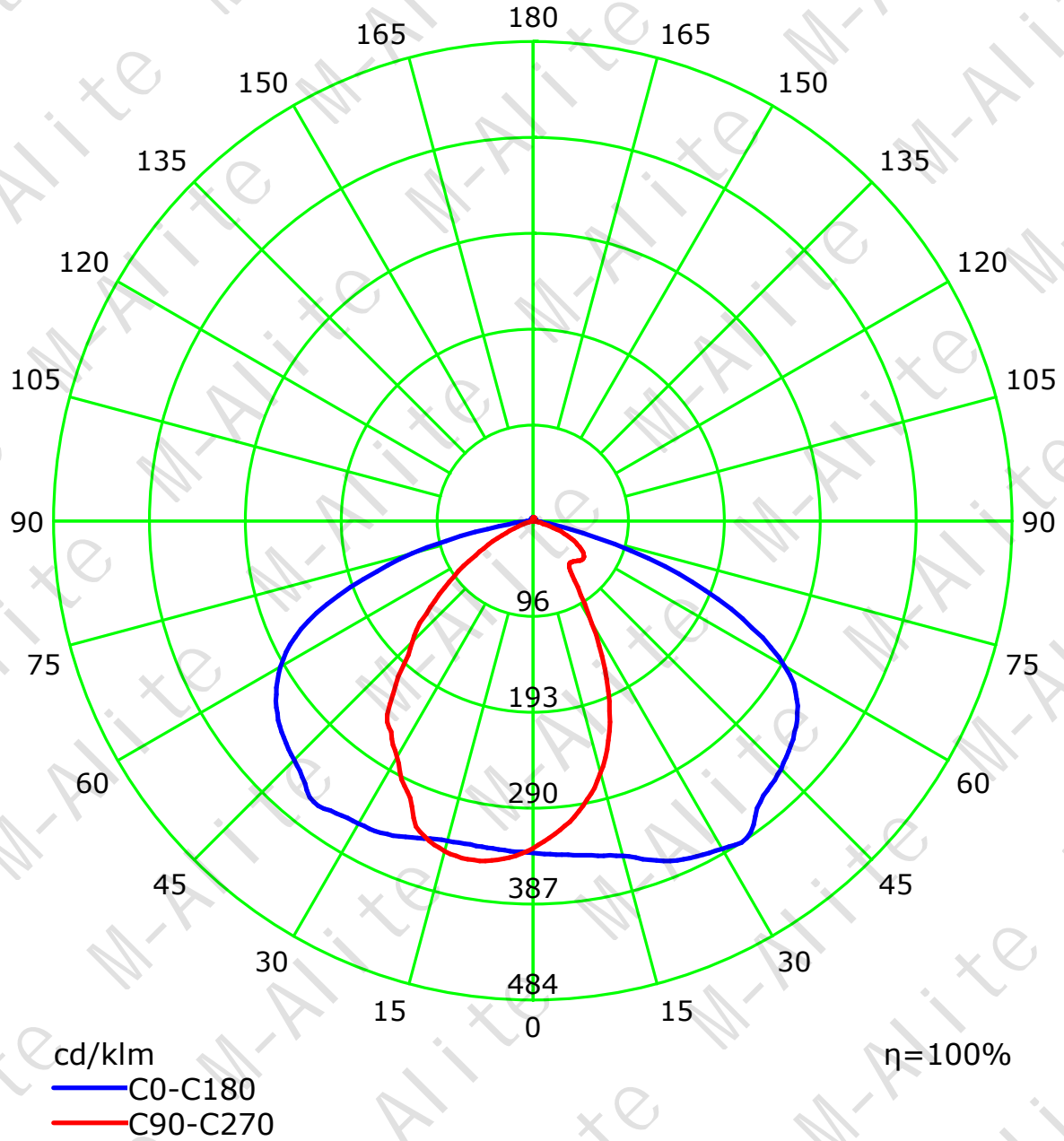
Luminous Intensity Distribution Curve



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:

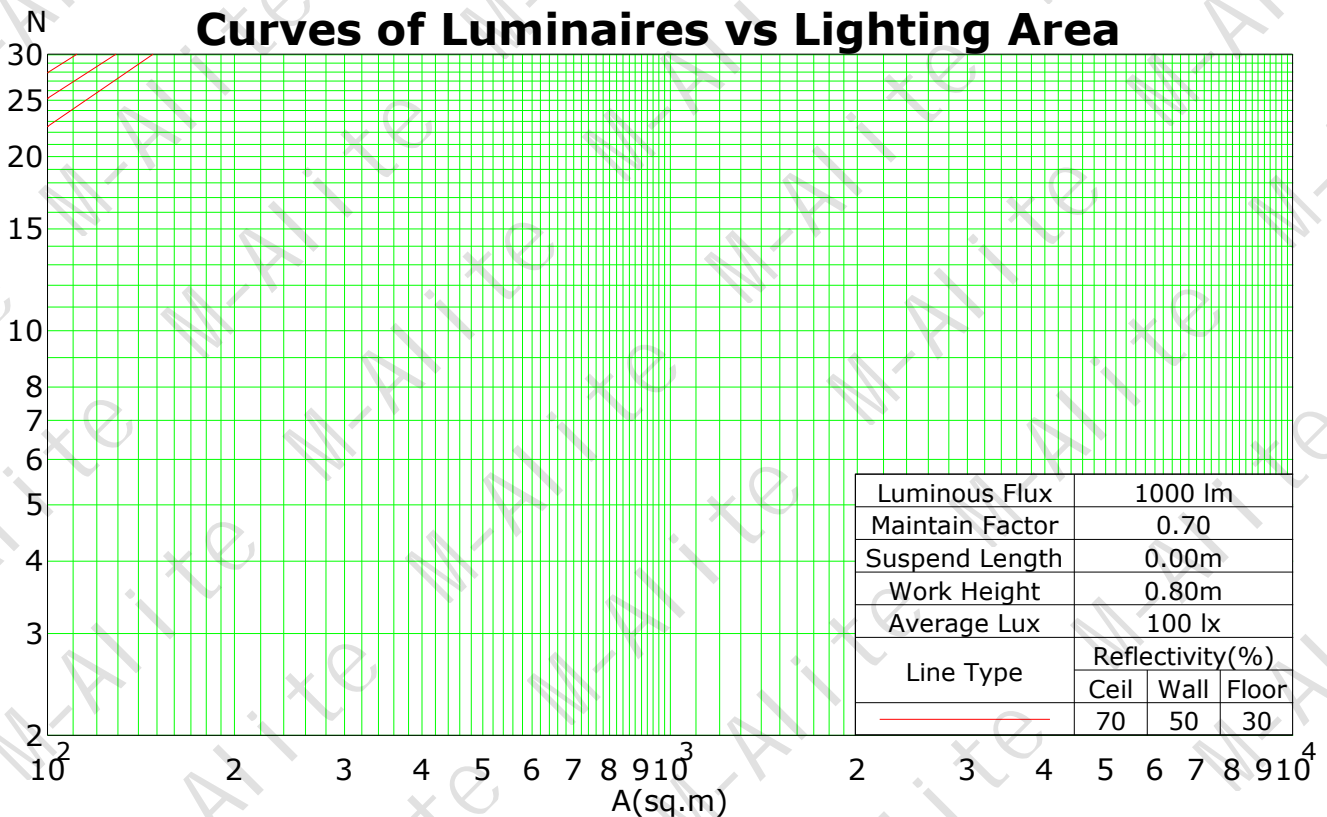
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.824 m
Humidity: 55
Inspector:

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	110	110	110	106	106	106	101	101	101	99
1	109	104	100	97	106	102	98	95	98	94	92	93	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75	82	77	74	78	75	72	70
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	64	60	58
4	82	70	61	55	80	69	61	54	66	59	53	64	57	52	61	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	42
6	70	56	47	41	68	55	47	40	53	46	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	34	32
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	41	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	35	29	25	23

Spacing Criteria (0-180): 1.64
 Spacing Criteria (90-270): 0.99
 Spacing Criteria (Diagonal): 1.40

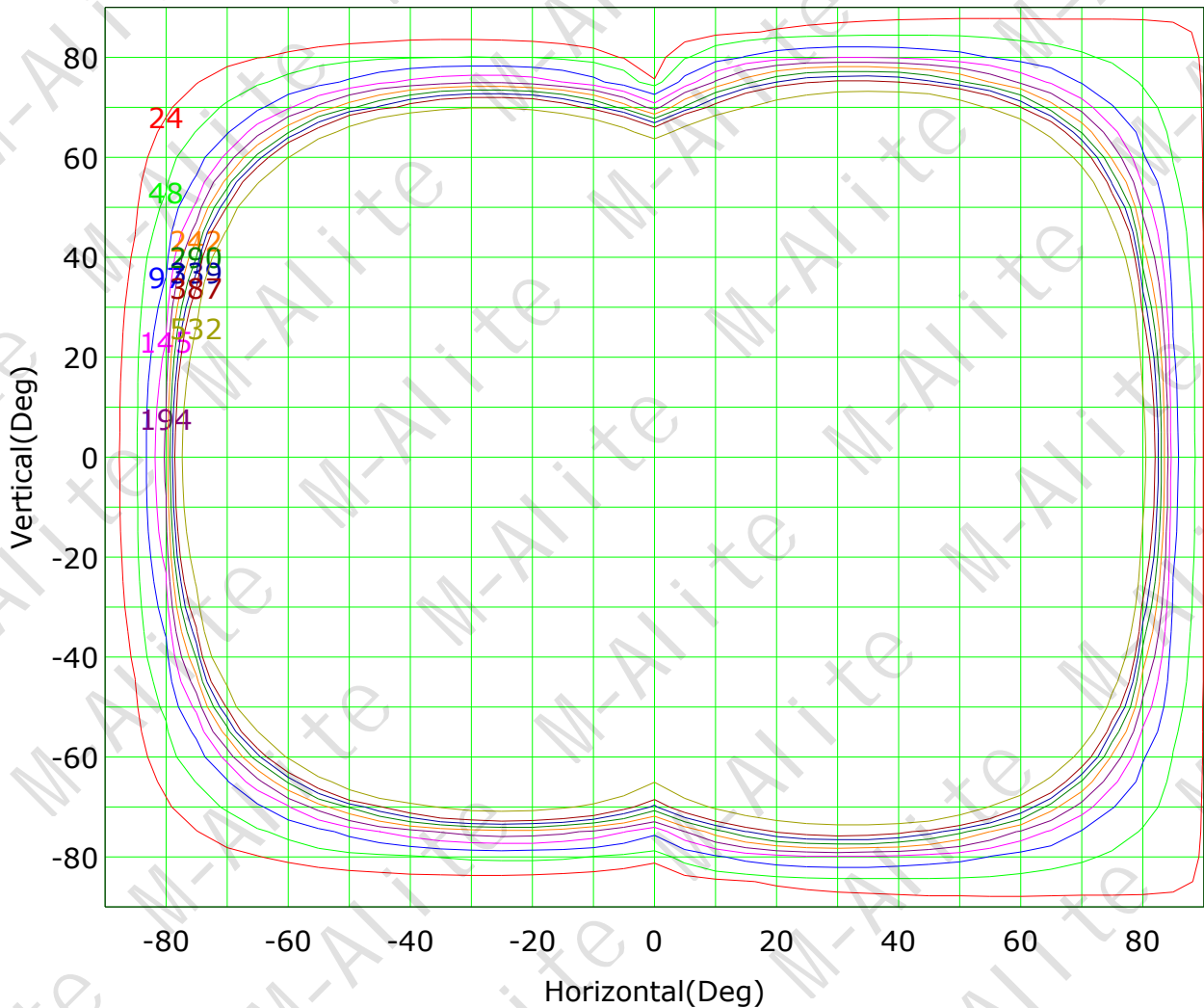
Curves of Luminaires vs Lighting Area



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)



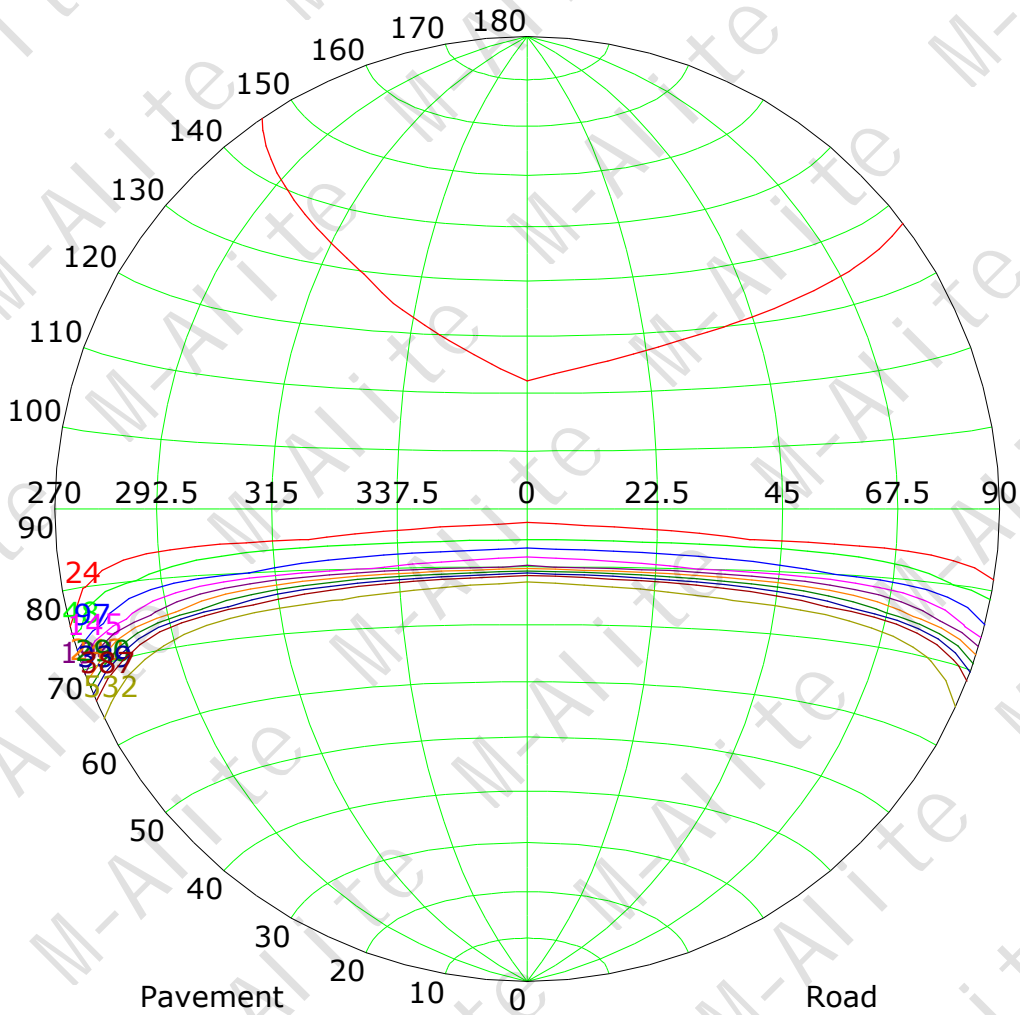
Imax (100%): 4841 cd

(1%): 24 cd	(1%): 48 cd
(2%): 97 cd	(3%): 145 cd
(4%): 194 cd	(5%): 242 cd
(6%): 290 cd	(7%): 339 cd
(8%): 387 cd	(11%): 532 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)



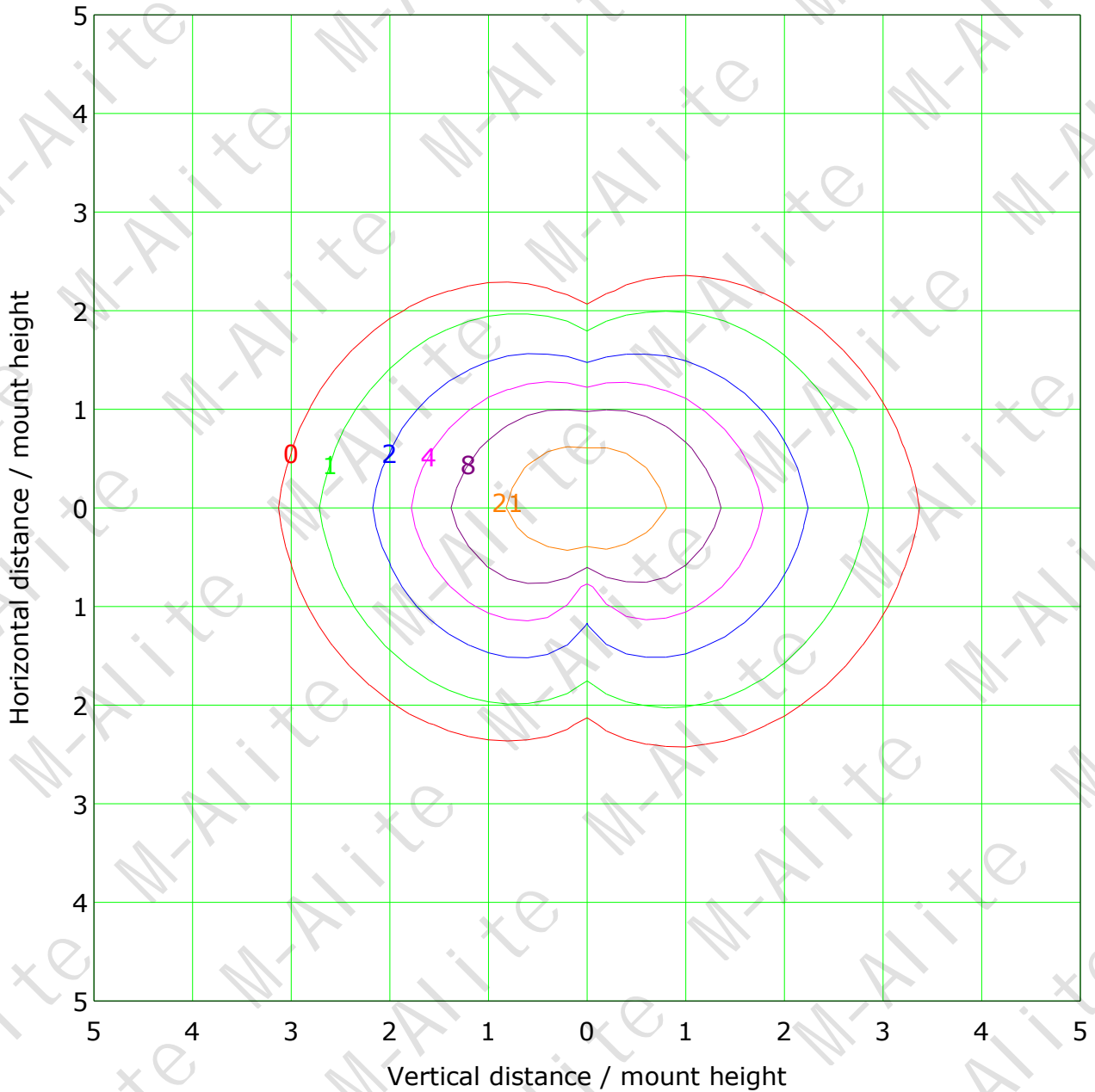
Imax (100%): 4841 cd

— (1%):	24 cd	— (1%):	48 cd
— (2%):	97 cd	— (3%):	145 cd
— (4%):	194 cd	— (5%):	242 cd
— (6%):	290 cd	— (7%):	339 cd
— (8%):	387 cd	— (11%):	532 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:

IsoLux Plot



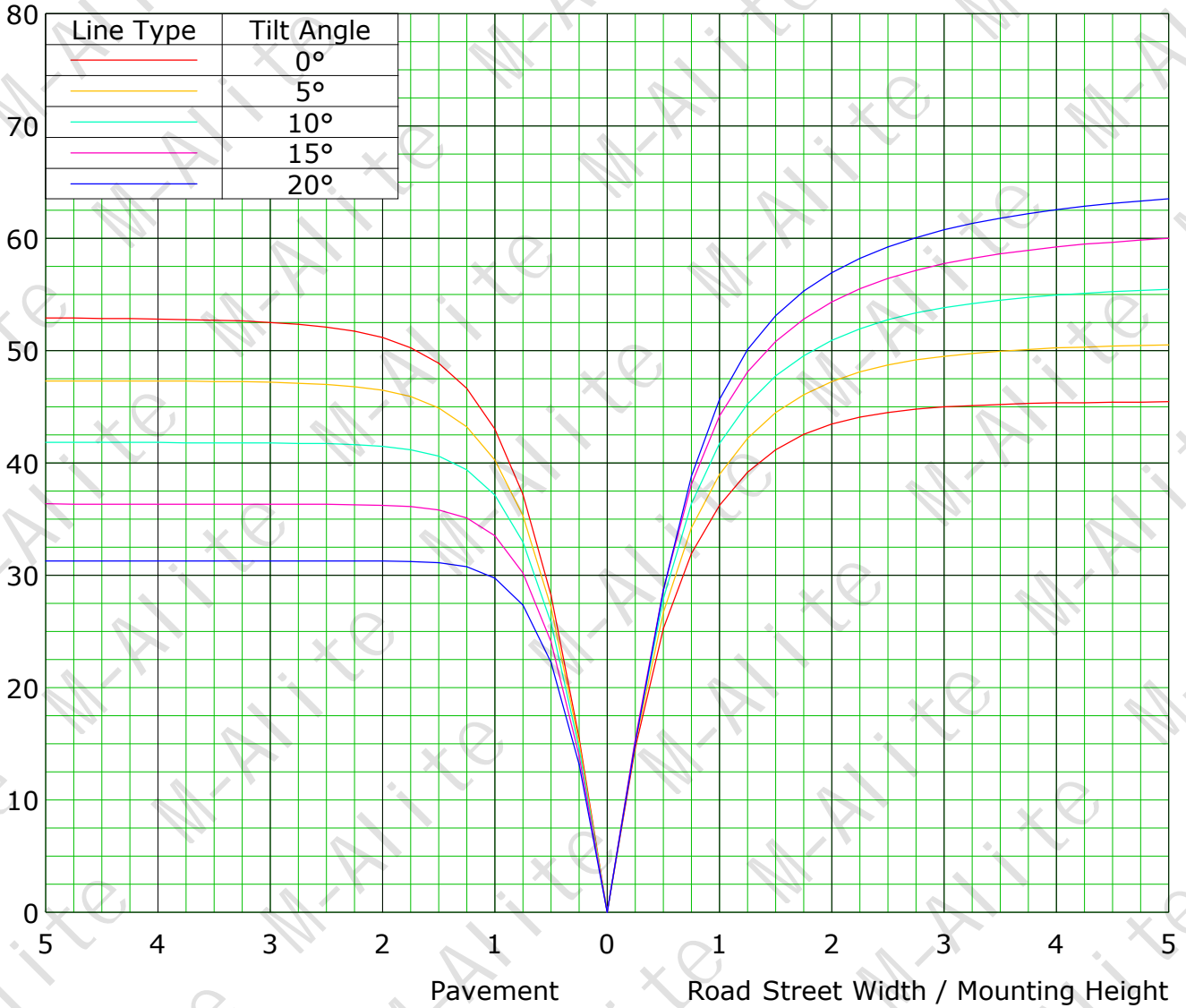
Mounting Height: 10.0m		Max Lux(100%): 42.3 lx	
— (1%):	0.4 lx	— (2%):	0.8 lx
— (5%):	2.1 lx	— (10%):	4.2 lx
— (20%):	8.5 lx	— (50%):	21.2 lx
— (100%):	42.3 lx		

C Plane (°):0.0-360.0: 90.0
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Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.824 m
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Inspector:

Roadway CU Curve

Efficiency(%)

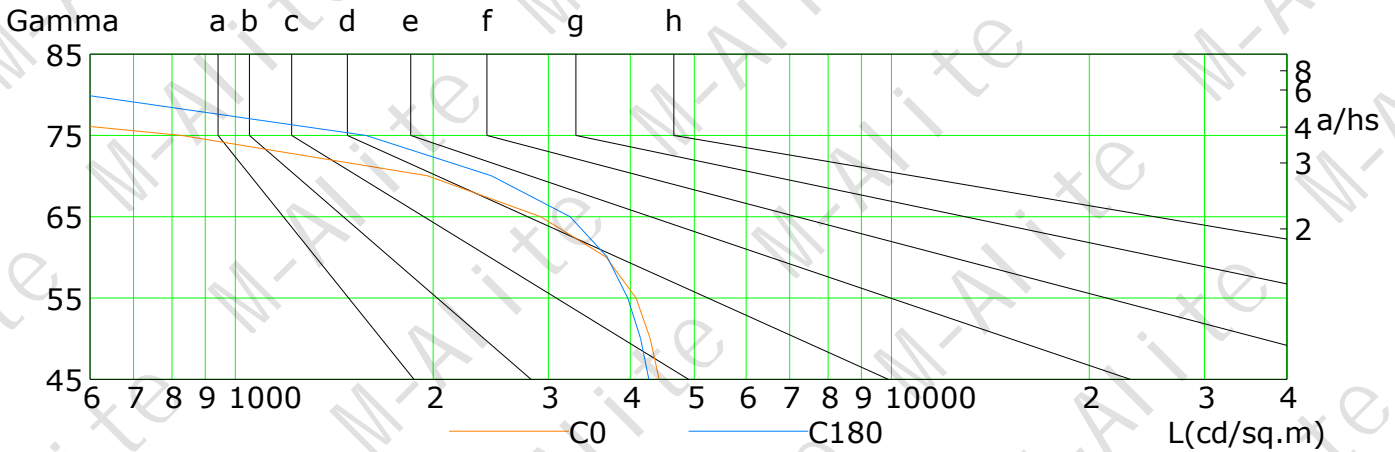
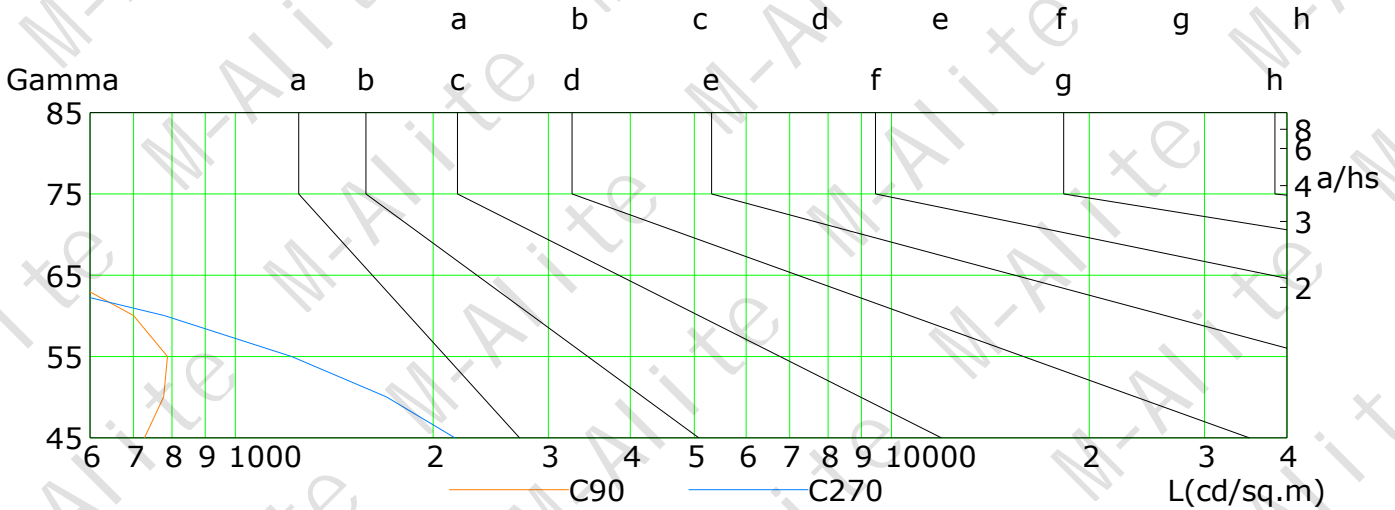


C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
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Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
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Humidity: 55
Inspector:

Lum Limit Curve

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

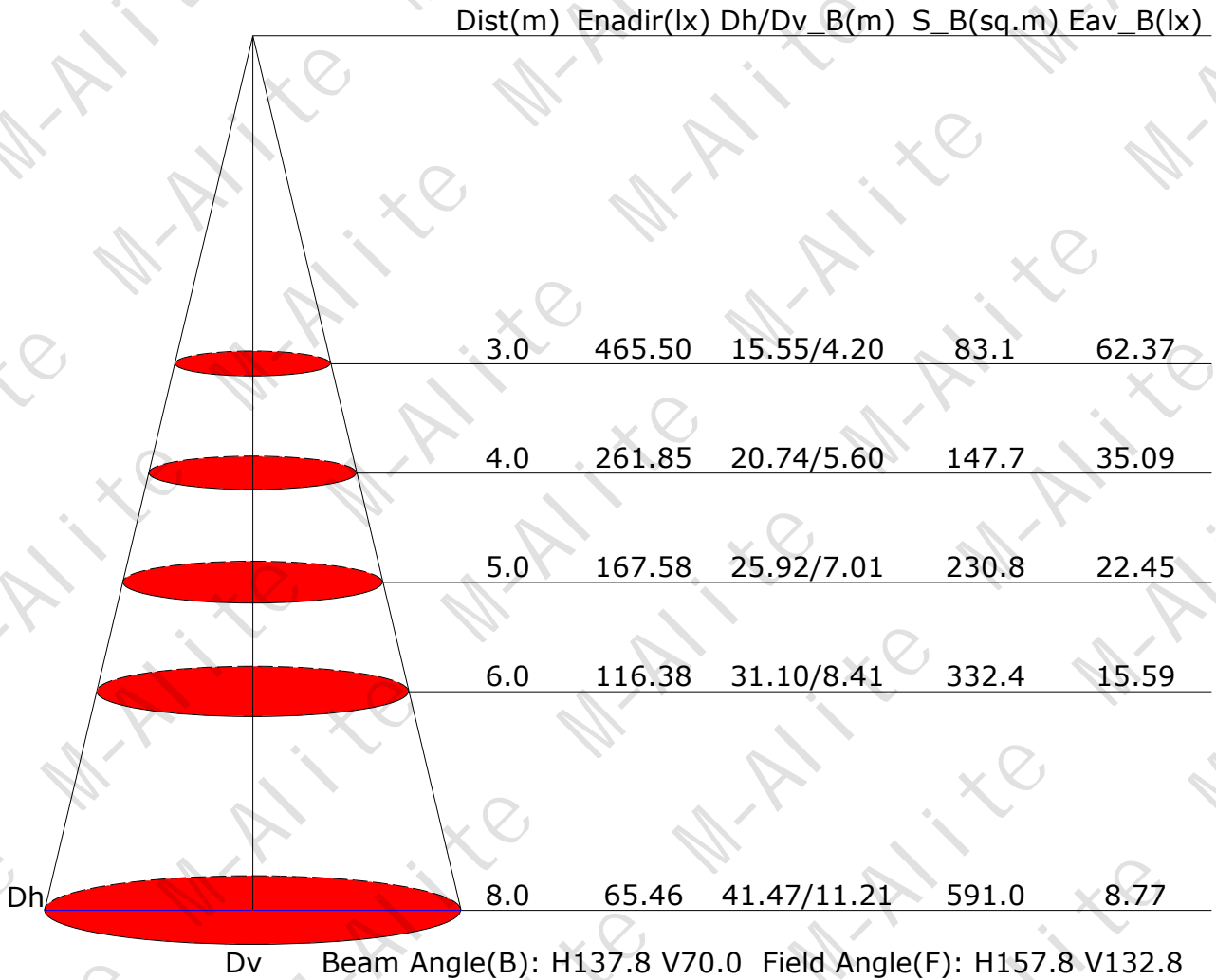


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	4428	4289	4080	3670	2920	1962	827	203	38
C90	727	778	788	699	540	327	108	31	6
C180	4271	4145	3966	3687	3238	2458	1581	585	113
C270	2162	1699	1220	779	438	168	26	12	5

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

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

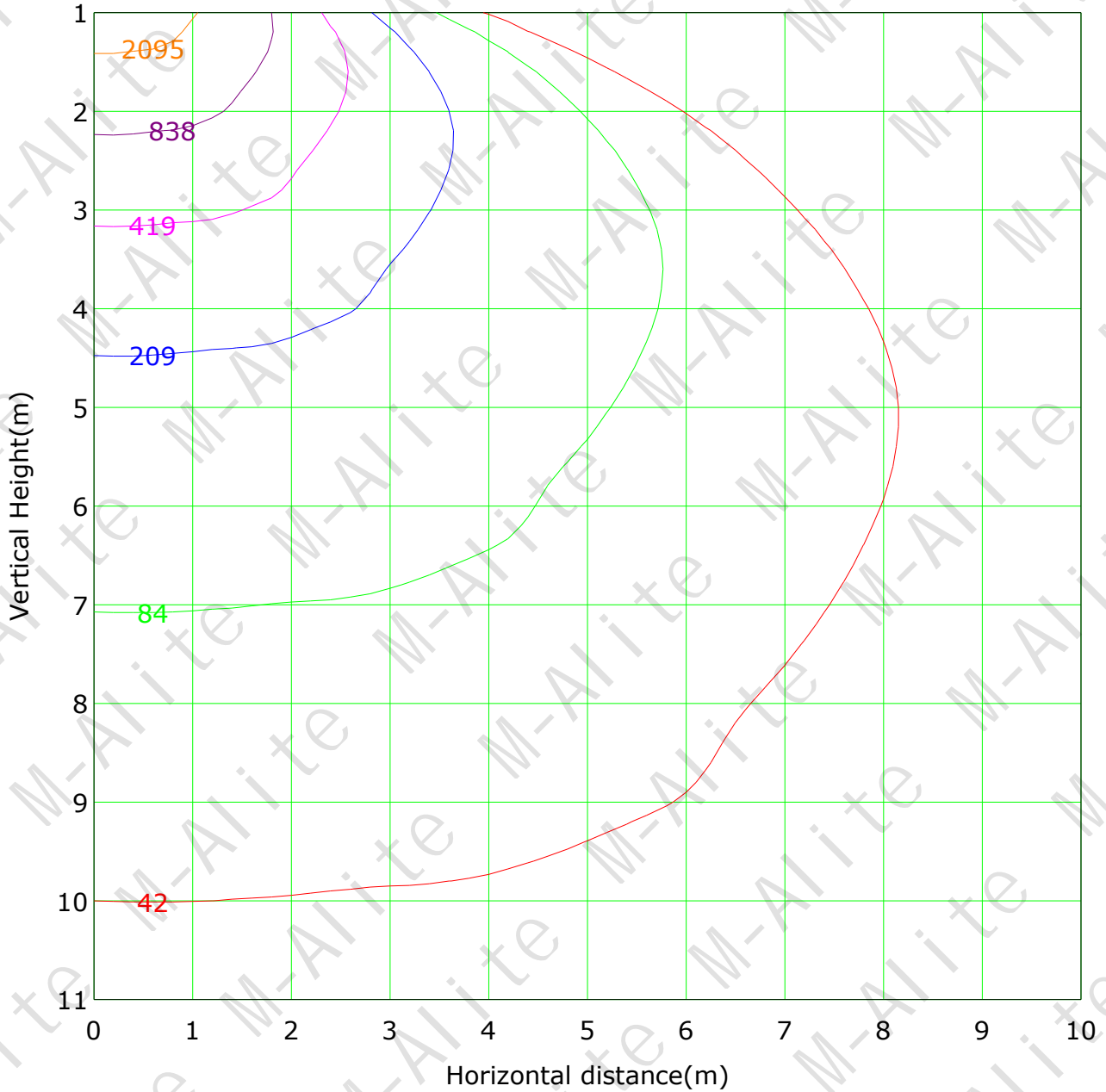
Illuminance at a Distance



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: 4189.5 lx
 (1%): 41.9 lx (2%): 83.8 lx
 (5%): 209.5 lx (10%): 419.0 lx
 (20%): 837.9 lx (50%): 2094.8 lx
 (100%): 4189.5 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)	0.5	94.3	353.0	636.6	860.3	1014.0	078.6	076.1	015.4	023.8	101.5	402.3	810.1	510.5	801.9	084.4	859.6	0281.5	42.9	0.0	Flux(T)	6.2	104.7	362.7	646.3	870.7	1025.2	091.1	803.1	1038.4	114.4	118.3	1030.0	855.3	606.5	292.2	56.5	2.0	12344
Flux(E)	0.5	94.3	353.0	636.6	860.3	1014.0	078.6	076.1	015.4	023.8	101.5	402.3	810.1	510.5	801.9	084.4	859.6	0281.5	42.9	0.0	Flux(T)	6.2	104.7	362.7	646.3	870.7	1025.2	091.1	803.1	1038.4	114.4	118.3	1030.0	855.3	606.5	292.2	56.5	2.0	12344

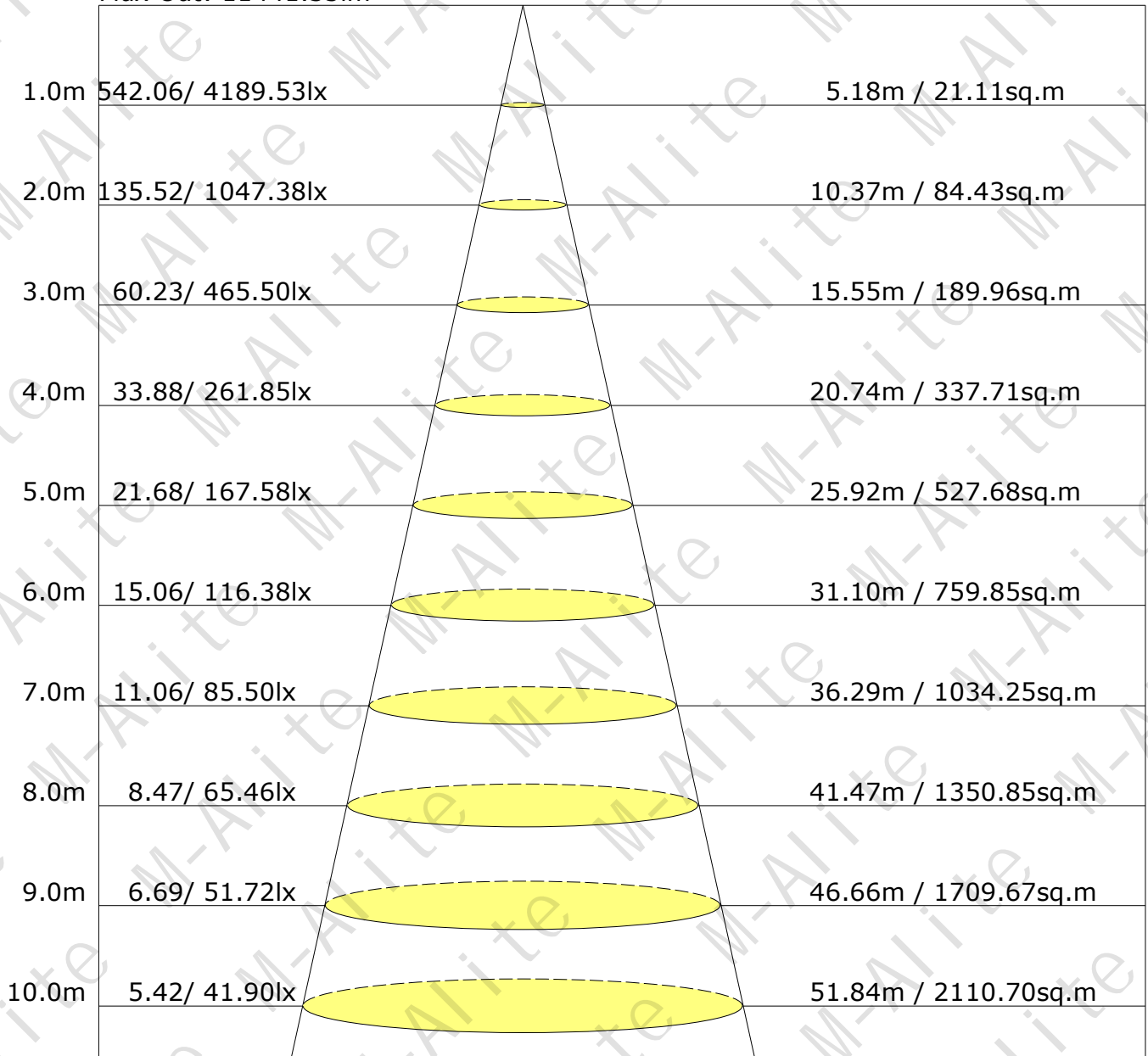
Horizontal plane

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: 11441.35lm



Height

Avg./Nadir. E

Beam Angle:137.8°

Diameter / Area

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Gamma Plane (°):0.0-180.0:1.0
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Distance: 8.824 m
Humidity: 55
Inspector:

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	4160.6	4.0	4.0	0.03	0.03
1.0-2.0	4160.4	11.9	15.9	0.10	0.13
2.0-3.0	4159.4	19.9	35.8	0.16	0.29
3.0-4.0	4157.5	27.8	63.7	0.22	0.51
4.0-5.0	4154.2	35.7	99.4	0.29	0.80
5.0-6.0	4150.0	43.6	143.0	0.35	1.15
6.0-7.0	4145.0	51.5	194.5	0.41	1.56
7.0-8.0	4137.9	59.2	253.7	0.47	2.03
8.0-9.0	4128.6	66.9	320.6	0.54	2.57
9.0-10.0	4118.7	74.5	395.2	0.60	3.16
10.0-11.0	4107.8	82.1	477.3	0.66	3.82
11.0-12.0	4096.2	89.6	566.8	0.72	4.54
12.0-13.0	4083.8	96.9	663.7	0.78	5.32
13.0-14.0	4068.7	104.2	767.9	0.83	6.15
14.0-15.0	4052.5	111.3	879.2	0.89	7.04
15.0-16.0	4036.5	118.3	997.5	0.95	7.99
16.0-17.0	4020.5	125.2	1122.7	1.00	8.99
17.0-18.0	4004.8	132.1	1254.7	1.06	10.05
18.0-19.0	3987.1	138.7	1393.5	1.11	11.16
19.0-20.0	3967.5	145.2	1538.7	1.16	12.32
20.0-21.0	3945.6	151.5	1690.2	1.21	13.54
21.0-22.0	3913.1	157.3	1847.5	1.26	14.80
22.0-23.0	3867.5	162.3	2009.8	1.30	16.10
23.0-24.0	3821.1	167.1	2176.9	1.34	17.43
24.0-25.0	3779.4	171.9	2348.8	1.38	18.81
25.0-26.0	3740.1	176.6	2525.3	1.41	20.22
26.0-27.0	3699.0	181.0	2706.3	1.45	21.67
27.0-28.0	3652.9	185.0	2891.3	1.48	23.16
28.0-29.0	3603.8	188.6	3079.9	1.51	24.67
29.0-30.0	3555.5	192.0	3271.9	1.54	26.20
30.0-31.0	3512.7	195.5	3467.4	1.57	27.77
31.0-32.0	3474.6	199.1	3666.5	1.59	29.36
32.0-33.0	3436.6	202.5	3868.9	1.62	30.99
33.0-34.0	3397.0	205.6	4074.5	1.65	32.63
34.0-35.0	3357.6	208.6	4283.1	1.67	34.30
35.0-36.0	3321.2	211.5	4494.6	1.69	36.00

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 Test Device: GPM-1600L
 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	3281.1	214.0	4708.6	1.71	37.71
37.0-38.0	3227.3	215.4	4924.1	1.73	39.44
38.0-39.0	3172.8	216.6	5140.7	1.73	41.17
39.0-40.0	3122.2	217.8	5358.4	1.74	42.91
40.0-41.0	3074.5	219.0	5577.4	1.75	44.67
41.0-42.0	3026.7	219.9	5797.3	1.76	46.43
42.0-43.0	2977.3	220.6	6017.9	1.77	48.20
43.0-44.0	2940.3	221.9	6239.8	1.78	49.97
44.0-45.0	2911.3	223.8	6463.6	1.79	51.77
45.0-46.0	2883.2	225.5	6689.1	1.81	53.57
46.0-47.0	2855.9	227.2	6916.3	1.82	55.39
47.0-48.0	2824.8	228.4	7144.7	1.83	57.22
48.0-49.0	2784.9	228.7	7373.4	1.83	59.05
49.0-50.0	2745.1	228.9	7602.3	1.83	60.89
50.0-51.0	2707.8	229.1	7831.4	1.84	62.72
51.0-52.0	2668.0	229.0	8060.4	1.83	64.55
52.0-53.0	2626.2	228.5	8288.9	1.83	66.38
53.0-54.0	2582.3	227.6	8516.5	1.82	68.21
54.0-55.0	2536.7	226.5	8743.0	1.81	70.02
55.0-56.0	2487.6	224.8	8967.8	1.80	71.82
56.0-57.0	2435.1	222.7	9190.5	1.78	73.61
57.0-58.0	2378.8	220.0	9410.5	1.76	75.37
58.0-59.0	2312.8	216.3	9626.8	1.73	77.10
59.0-60.0	2242.6	211.9	9838.7	1.70	78.80
60.0-61.0	2172.8	207.4	10046.0	1.66	80.46
61.0-62.0	2095.2	201.9	10248.0	1.62	82.07
62.0-63.0	2012.2	195.7	10443.7	1.57	83.64
63.0-64.0	1922.3	188.7	10632.3	1.51	85.15
64.0-65.0	1829.0	181.0	10813.4	1.45	86.60
65.0-66.0	1733.1	172.9	10986.3	1.39	87.99
66.0-67.0	1628.6	163.8	11150.1	1.31	89.30
67.0-68.0	1518.2	153.8	11303.9	1.23	90.53
68.0-69.0	1404.5	143.3	11447.2	1.15	91.68
69.0-70.0	1288.0	132.3	11579.5	1.06	92.74
70.0-71.0	1167.3	120.7	11700.2	0.97	93.70
71.0-72.0	1041.8	108.3	11808.5	0.87	94.57

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 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	918.8	96.1	11904.6	0.77	95.34
73.0-74.0	803.5	84.5	11989.1	0.68	96.02
74.0-75.0	691.3	73.1	12062.1	0.59	96.60
75.0-76.0	586.0	62.2	12124.4	0.50	97.10
76.0-77.0	484.5	51.7	12176.0	0.41	97.52
77.0-78.0	389.5	41.7	12217.7	0.33	97.85
78.0-79.0	310.2	33.3	12251.1	0.27	98.12
79.0-80.0	240.8	26.0	12277.0	0.21	98.32
80.0-81.0	179.6	19.4	12296.4	0.16	98.48
81.0-82.0	130.7	14.2	12310.6	0.11	98.59
82.0-83.0	94.5	10.3	12320.9	0.08	98.68
83.0-84.0	68.7	7.5	12328.4	0.06	98.74
84.0-85.0	49.2	5.4	12333.7	0.04	98.78
85.0-86.0	35.2	3.8	12337.6	0.03	98.81
86.0-87.0	25.7	2.8	12340.4	0.02	98.83
87.0-88.0	18.6	2.0	12342.4	0.02	98.85
88.0-89.0	13.8	1.5	12344.0	0.01	98.86
89.0-90.0	10.9	1.2	12345.2	0.01	98.87
90.0-91.0	9.2	1.0	12346.2	0.01	98.88
91.0-92.0	8.0	0.9	12347.0	0.01	98.89
92.0-93.0	7.5	0.8	12347.9	0.01	98.89
93.0-94.0	7.6	0.8	12348.7	0.01	98.90
94.0-95.0	8.0	0.9	12349.6	0.01	98.91
95.0-96.0	8.5	0.9	12350.5	0.01	98.91
96.0-97.0	8.9	1.0	12351.5	0.01	98.92
97.0-98.0	9.4	1.0	12352.5	0.01	98.93
98.0-99.0	9.9	1.1	12353.6	0.01	98.94
99.0-100.0	10.4	1.1	12354.7	0.01	98.95
100.0-101.0	10.9	1.2	12355.9	0.01	98.96
101.0-102.0	11.4	1.2	12357.1	0.01	98.97
102.0-103.0	11.9	1.3	12358.4	0.01	98.98
103.0-104.0	12.4	1.3	12359.7	0.01	98.99
104.0-105.0	12.9	1.4	12361.0	0.01	99.00
105.0-106.0	13.4	1.4	12362.5	0.01	99.01
106.0-107.0	13.9	1.5	12363.9	0.01	99.02
107.0-108.0	14.5	1.5	12365.4	0.01	99.03

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 Distance: 8.824 m
 Humidity: 55
 Inspector:

Zonal Lumen (Continue 3)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	15.0	1.6	12367.0	0.01	99.05
109.0-110.0	15.5	1.6	12368.6	0.01	99.06
110.0-111.0	16.0	1.6	12370.2	0.01	99.07
111.0-112.0	16.5	1.7	12371.9	0.01	99.08
112.0-113.0	17.0	1.7	12373.7	0.01	99.10
113.0-114.0	17.6	1.8	12375.4	0.01	99.11
114.0-115.0	18.1	1.8	12377.2	0.01	99.13
115.0-116.0	18.6	1.8	12379.1	0.01	99.14
116.0-117.0	19.2	1.9	12381.0	0.02	99.16
117.0-118.0	19.7	1.9	12382.9	0.02	99.17
118.0-119.0	20.2	1.9	12384.8	0.02	99.19
119.0-120.0	20.7	2.0	12386.8	0.02	99.20
120.0-121.0	21.3	2.0	12388.8	0.02	99.22
121.0-122.0	21.9	2.0	12390.9	0.02	99.24
122.0-123.0	22.5	2.1	12392.9	0.02	99.25
123.0-124.0	22.9	2.1	12395.0	0.02	99.27
124.0-125.0	23.5	2.1	12397.2	0.02	99.29
125.0-126.0	24.0	2.1	12399.3	0.02	99.30
126.0-127.0	24.6	2.2	12401.5	0.02	99.32
127.0-128.0	25.1	2.2	12403.6	0.02	99.34
128.0-129.0	25.6	2.2	12405.8	0.02	99.36
129.0-130.0	26.1	2.2	12408.1	0.02	99.37
130.0-131.0	26.7	2.2	12410.3	0.02	99.39
131.0-132.0	27.1	2.2	12412.5	0.02	99.41
132.0-133.0	27.6	2.2	12414.7	0.02	99.43
133.0-134.0	28.2	2.2	12417.0	0.02	99.45
134.0-135.0	28.8	2.2	12419.2	0.02	99.46
135.0-136.0	29.3	2.3	12421.5	0.02	99.48
136.0-137.0	29.9	2.3	12423.7	0.02	99.50
137.0-138.0	30.4	2.3	12426.0	0.02	99.52
138.0-139.0	30.9	2.2	12428.2	0.02	99.54
139.0-140.0	31.4	2.2	12430.5	0.02	99.55
140.0-141.0	31.9	2.2	12432.7	0.02	99.57
141.0-142.0	32.5	2.2	12434.9	0.02	99.59
142.0-143.0	33.0	2.2	12437.1	0.02	99.61
143.0-144.0	33.5	2.2	12439.3	0.02	99.62

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	34.0	2.2	12441.5	0.02	99.64
145.0-146.0	34.5	2.1	12443.6	0.02	99.66
146.0-147.0	34.9	2.1	12445.7	0.02	99.68
147.0-148.0	35.4	2.1	12447.8	0.02	99.69
148.0-149.0	35.9	2.1	12449.9	0.02	99.71
149.0-150.0	36.4	2.0	12451.9	0.02	99.73
150.0-151.0	37.0	2.0	12453.9	0.02	99.74
151.0-152.0	37.5	2.0	12455.9	0.02	99.76
152.0-153.0	38.0	1.9	12457.8	0.02	99.77
153.0-154.0	38.5	1.9	12459.7	0.02	99.79
154.0-155.0	39.0	1.8	12461.5	0.01	99.80
155.0-156.0	39.4	1.8	12463.3	0.01	99.82
156.0-157.0	39.8	1.7	12465.0	0.01	99.83
157.0-158.0	40.2	1.7	12466.7	0.01	99.84
158.0-159.0	40.5	1.6	12468.3	0.01	99.86
159.0-160.0	40.9	1.6	12469.9	0.01	99.87
160.0-161.0	41.2	1.5	12471.4	0.01	99.88
161.0-162.0	41.5	1.4	12472.9	0.01	99.89
162.0-163.0	41.8	1.4	12474.2	0.01	99.90
163.0-164.0	42.1	1.3	12475.6	0.01	99.91
164.0-165.0	42.3	1.2	12476.8	0.01	99.92
165.0-166.0	42.6	1.2	12478.0	0.01	99.93
166.0-167.0	42.9	1.1	12479.1	0.01	99.94
167.0-168.0	43.2	1.0	12480.1	0.01	99.95
168.0-169.0	43.5	1.0	12481.0	0.01	99.96
169.0-170.0	43.8	0.9	12481.9	0.01	99.97
170.0-171.0	44.1	0.8	12482.7	0.01	99.97
171.0-172.0	44.4	0.7	12483.4	0.01	99.98
172.0-173.0	44.7	0.6	12484.1	0.01	99.98
173.0-174.0	44.9	0.6	12484.6	0.00	99.99
174.0-175.0	45.1	0.5	12485.1	0.00	99.99
175.0-176.0	45.2	0.4	12485.5	0.00	99.99
176.0-177.0	45.4	0.3	12485.8	0.00	100.00
177.0-178.0	45.5	0.2	12486.0	0.00	100.00
178.0-179.0	45.6	0.1	12486.2	0.00	100.00
179.0-180.0	45.6	0.0	12486.2	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	4189.5	4132.2	4189.5	4132.2	4189.5					
G1.0	4197.1	4090.4	4186.2	4168.1	4197.1					
G2.0	4208.3	4051.5	4180.8	4200.5	4208.3					
G3.0	4213.8	4007.5	4180.6	4232.4	4213.8					
G4.0	4221.5	3965.2	4179.1	4259.6	4221.5					
G5.0	4232.7	3919.6	4174.9	4281.2	4232.7					
G6.0	4239.7	3873.0	4173.6	4305.3	4239.7					
G7.0	4252.6	3825.9	4168.4	4321.5	4252.6					
G8.0	4261.6	3771.4	4166.3	4335.6	4261.6					
G9.0	4274.5	3711.5	4163.7	4344.1	4274.5					
G10.0	4288.1	3654.8	4165.2	4347.9	4288.1					
G11.0	4304.4	3587.4	4161.6	4352.9	4304.4					
G12.0	4321.0	3524.8	4167.7	4349.5	4321.0					
G13.0	4334.9	3458.3	4171.4	4342.4	4334.9					
G14.0	4356.4	3377.5	4176.2	4332.2	4356.4					
G15.0	4381.1	3297.8	4181.5	4317.2	4381.1					
G16.0	4409.7	3221.1	4188.9	4294.4	4409.7					
G17.0	4444.0	3128.2	4201.1	4276.7	4444.0					
G18.0	4491.1	3033.6	4216.8	4246.7	4491.1					
G19.0	4526.4	2929.1	4240.3	4213.2	4526.4					
G20.0	4563.4	2827.6	4260.6	4179.4	4563.4					
G21.0	4597.9	2716.9	4283.5	4135.4	4597.9					
G22.0	4633.1	2589.6	4305.5	4042.7	4633.1					
G23.0	4655.5	2473.6	4325.0	3914.8	4655.5					
G24.0	4675.3	2351.0	4349.6	3824.4	4675.3					
G25.0	4697.1	2206.3	4364.4	3767.3	4697.1					
G26.0	4711.6	2074.4	4381.9	3718.1	4711.6					
G27.0	4730.6	1919.2	4394.8	3661.6	4730.6					
G28.0	4744.0	1782.0	4406.7	3584.4	4744.0					
G29.0	4760.5	1644.7	4407.6	3500.9	4760.5					
G30.0	4780.4	1492.3	4411.7	3445.7	4780.4					
G31.0	4799.5	1364.6	4418.2	3389.1	4799.5					
G32.0	4823.2	1237.8	4425.6	3338.9	4823.2					
G33.0	4840.6	1115.6	4432.9	3277.9	4840.6					
G34.0	4831.8	1011.3	4452.0	3213.7	4831.8					
G35.0	4794.8	913.4	4466.7	3177.2	4794.8					
G36.0	4740.4	844.0	4490.3	3142.6	4740.4					

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:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G37.0	4671.4	790.7	4506.8	3062.5	4671.4					
G38.0	4601.4	750.0	4505.2	2930.8	4601.4					
G39.0	4562.1	726.7	4488.9	2817.6	4562.1					
G40.0	4528.7	712.3	4441.7	2699.3	4528.7					
G41.0	4510.7	707.2	4393.7	2602.4	4510.7					
G42.0	4494.2	708.7	4354.9	2441.4	4494.2					
G43.0	4474.0	714.1	4319.8	2311.1	4474.0					
G44.0	4451.9	721.2	4292.5	2237.4	4451.9					
G45.0	4427.5	727.3	4270.8	2161.5	4427.5					
G46.0	4401.4	736.2	4250.3	2090.8	4401.4					
G47.0	4376.1	746.0	4225.3	2021.3	4376.1					
G48.0	4347.6	758.1	4199.1	1925.0	4347.6					
G49.0	4317.3	768.7	4173.3	1790.1	4317.3					
G50.0	4288.9	778.2	4145.3	1698.6	4288.9					
G51.0	4246.8	786.9	4114.3	1603.7	4246.8					
G52.0	4214.6	793.2	4084.3	1500.0	4214.6					
G53.0	4176.5	795.2	4043.1	1403.1	4176.5					
G54.0	4128.8	793.7	4007.4	1310.3	4128.8					
G55.0	4079.6	788.1	3966.4	1219.6	4079.6					
G56.0	4018.7	777.5	3914.8	1136.4	4018.7					
G57.0	3953.9	763.3	3868.0	1047.8	3953.9					
G58.0	3880.7	746.6	3810.5	959.6	3880.7					
G59.0	3781.9	722.9	3751.7	848.7	3781.9					
G60.0	3670.5	699.4	3687.4	778.8	3670.5					
G61.0	3549.2	672.8	3606.4	718.3	3549.2					
G62.0	3402.6	639.9	3530.5	642.1	3402.6					
G63.0	3253.6	610.6	3444.9	573.1	3253.6					
G64.0	3077.4	574.0	3340.7	504.3	3077.4					
G65.0	2920.1	540.2	3237.9	437.6	2920.1					
G66.0	2738.7	507.0	3107.1	376.1	2738.7					
G67.0	2538.4	468.3	2969.7	323.2	2538.4					
G68.0	2346.7	426.4	2813.0	260.1	2346.7					
G69.0	2156.2	381.8	2634.5	217.1	2156.2					
G70.0	1961.8	327.0	2457.6	168.3	1961.8					
G71.0	1767.4	268.9	2261.9	125.8	1767.4					
G72.0	1537.5	208.9	2074.3	89.8	1537.5					
G73.0	1299.8	163.7	1918.7	57.6	1299.8					

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	1072.3	131.6	1751.1	33.3	1072.3					
G75.0	827.4	108.4	1580.5	25.7	827.4					
G76.0	650.1	88.6	1385.5	21.5	650.1					
G77.0	503.3	73.1	1135.5	18.5	503.3					
G78.0	375.4	56.8	937.0	16.2	375.4					
G79.0	285.5	43.7	752.2	14.4	285.5					
G80.0	202.6	30.8	584.7	12.3	202.6					
G81.0	140.2	19.8	436.1	10.8	140.2					
G82.0	99.3	11.3	318.8	9.1	99.3					
G83.0	69.8	5.8	234.6	7.5	69.8					
G84.0	51.8	5.8	167.4	6.3	51.8					
G85.0	38.4	5.8	113.0	5.1	38.4					
G86.0	28.4	5.6	81.0	4.0	28.4					
G87.0	20.7	5.0	58.0	3.1	20.7					
G88.0	14.3	4.6	40.9	2.3	14.3					
G89.0	10.7	4.1	31.5	1.9	10.7					
G90.0	10.9	3.5	23.4	1.4	10.9					
G91.0	11.6	2.9	18.4	1.1	11.6					
G92.0	12.1	2.6	14.1	1.2	12.1					
G93.0	12.7	3.0	12.7	1.4	12.7					
G94.0	13.3	3.3	13.3	1.4	13.3					
G95.0	13.8	3.6	14.0	1.5	13.8					
G96.0	14.4	4.2	14.6	1.7	14.4					
G97.0	15.0	4.5	15.3	1.8	15.0					
G98.0	15.7	4.8	16.1	1.9	15.7					
G99.0	16.4	5.5	16.8	2.0	16.4					
G100.0	16.9	5.8	17.5	2.2	16.9					
G101.0	17.6	6.4	18.3	2.3	17.6					
G102.0	18.3	6.9	18.9	2.5	18.3					
G103.0	18.8	7.5	19.7	2.6	18.8					
G104.0	19.5	8.1	20.3	2.7	19.5					
G105.0	20.0	8.6	21.2	3.0	20.0					
G106.0	20.6	9.2	21.8	3.1	20.6					
G107.0	21.3	9.8	22.6	3.3	21.3					
G108.0	21.9	10.4	23.2	3.4	21.9					
G109.0	22.4	11.1	24.0	3.5	22.4					
G110.0	23.0	11.7	24.4	3.8	23.0					

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 3)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G111.0	23.3	12.4	25.1	4.1	23.3					
G112.0	24.0	13.1	25.7	4.3	24.0					
G113.0	24.6	13.7	26.4	4.5	24.6					
G114.0	25.1	14.5	27.0	4.8	25.1					
G115.0	25.7	15.1	27.6	5.1	25.7					
G116.0	26.2	15.8	28.1	5.5	26.2					
G117.0	26.8	16.6	28.7	5.8	26.8					
G118.0	27.4	17.5	29.0	6.0	27.4					
G119.0	27.8	18.1	29.6	6.4	27.8					
G120.0	28.2	18.8	30.2	6.9	28.2					
G121.0	28.9	19.5	30.6	7.2	28.9					
G122.0	29.4	20.3	31.3	7.9	29.4					
G123.0	29.8	21.1	31.6	8.2	29.8					
G124.0	30.1	21.7	32.2	8.7	30.1					
G125.0	30.6	22.6	32.6	9.3	30.6					
G126.0	30.8	23.4	33.0	9.8	30.8					
G127.0	31.3	24.0	33.5	10.5	31.3					
G128.0	31.6	24.8	34.0	11.1	31.6					
G129.0	31.8	25.6	34.3	11.6	31.8					
G130.0	32.1	26.3	34.8	12.4	32.1					
G131.0	32.4	27.0	35.2	13.1	32.4					
G132.0	32.5	27.7	35.5	13.7	32.5					
G133.0	33.0	28.3	36.1	14.4	33.0					
G134.0	33.3	29.0	36.5	15.0	33.3					
G135.0	33.7	29.7	36.8	16.0	33.7					
G136.0	34.0	30.4	37.3	16.7	34.0					
G137.0	34.3	31.0	37.8	17.5	34.3					
G138.0	34.7	31.6	38.2	18.2	34.7					
G139.0	35.0	32.1	38.6	18.8	35.0					
G140.0	35.1	32.7	39.1	19.7	35.1					
G141.0	35.5	33.3	39.5	20.5	35.5					
G142.0	35.7	34.0	39.9	21.2	35.7					
G143.0	36.0	34.5	40.5	22.1	36.0					
G144.0	36.3	35.0	40.8	22.9	36.3					
G145.0	36.7	35.6	41.1	23.6	36.7					
G146.0	36.9	36.1	41.5	24.4	36.9					
G147.0	37.0	36.7	41.7	25.1	37.0					

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 4)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G148.0	37.4	37.1	42.0	26.0	37.4					
G149.0	37.9	37.8	42.3	26.6	37.9					
G150.0	38.4	38.4	42.6	27.5	38.4					
G151.0	38.8	39.0	42.9	28.2	38.8					
G152.0	39.3	39.5	43.1	28.9	39.3					
G153.0	39.7	40.2	43.3	29.6	39.7					
G154.0	40.3	40.8	43.3	30.3	40.3					
G155.0	40.8	41.5	43.7	30.8	40.8					
G156.0	41.3	42.1	43.7	31.6	41.3					
G157.0	41.5	42.6	43.8	32.0	41.5					
G158.0	41.9	43.1	43.9	32.7	41.9					
G159.0	42.1	43.3	44.0	33.3	42.1					
G160.0	42.4	43.7	44.2	33.9	42.4					
G161.0	42.5	44.1	44.3	34.5	42.5					
G162.0	42.7	44.4	44.5	35.1	42.7					
G163.0	42.7	44.5	44.7	35.7	42.7					
G164.0	42.9	44.7	44.8	36.4	42.9					
G165.0	43.2	44.9	45.0	36.8	43.2					
G166.0	43.3	45.1	45.1	37.5	43.3					
G167.0	43.4	45.2	45.3	38.2	43.4					
G168.0	43.6	45.5	45.5	38.8	43.6					
G169.0	44.1	45.7	45.7	39.5	44.1					
G170.0	44.2	45.8	45.8	40.1	44.2					
G171.0	44.4	46.0	45.8	40.7	44.4					
G172.0	44.7	46.0	46.1	41.3	44.7					
G173.0	45.0	46.0	46.5	41.9	45.0					
G174.0	45.1	46.0	46.5	42.5	45.1					
G175.0	45.3	45.8	46.6	42.9	45.3					
G176.0	45.5	45.8	46.6	43.4	45.5					
G177.0	45.6	45.6	46.6	43.9	45.6					
G178.0	45.8	45.4	46.6	44.5	45.8					
G179.0	45.8	45.0	46.6	44.8	45.8					
G180.0	46.0	44.8	46.5	45.3	46.0					

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: