

Report No.: TH-4288A

Test Time: 2023/6/28 16:03

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Luminaire Description: Leme-65-DOB-3000K White

Lamp Catalog:

Lamp Description:

Number of Lamps:

Lumens per Lamp:

Luminous Length (mm): -63

Luminous Width (mm): -63

Luminous Height (mm):

Voltage: 220.4 V

Current: 0.034 A

Power: 7.37 W

Power Factor: 0.996

Photometric Results

CIE Class: Direct

Measurement Flux: 618.1 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(50%): H47.2

Vertical Diffuse Angle(50%): V47.2

Luminaire Efficacy Rating (LER): 83.91

Max. Intensity: 1050.77 cd

S/MH(C0/C180): 0.82

Total Rated Lamp Lumens: 618.1 lm

Efficiency: 100%

Upward Ratio: 1%

C0r0 Intensity: 960.51 cd

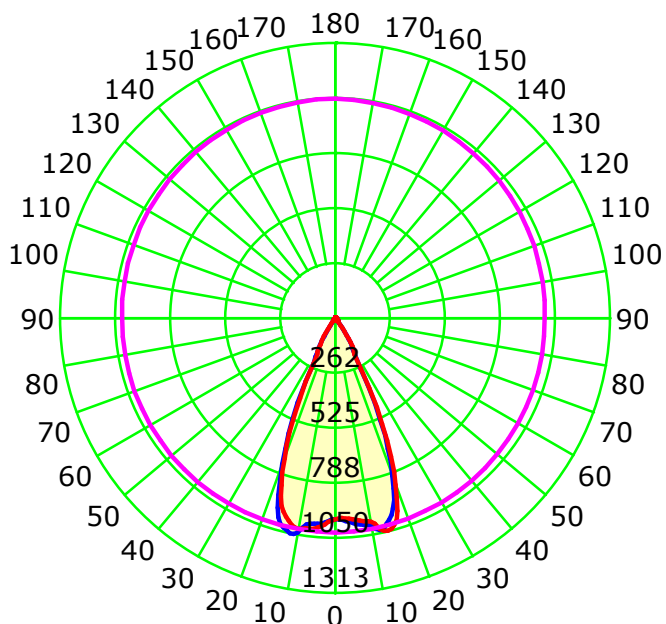
Pos of Max. Intensity: H180 V11

S/MH(C90/C270): 0.83

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 47.1°

— C0-C180 — C90-C270 — G11

C Plane (°):0.0-360.0: 90.0

Test Lab: inventfine instruments

Test Type: TYPE C

Temperature: 26

Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0

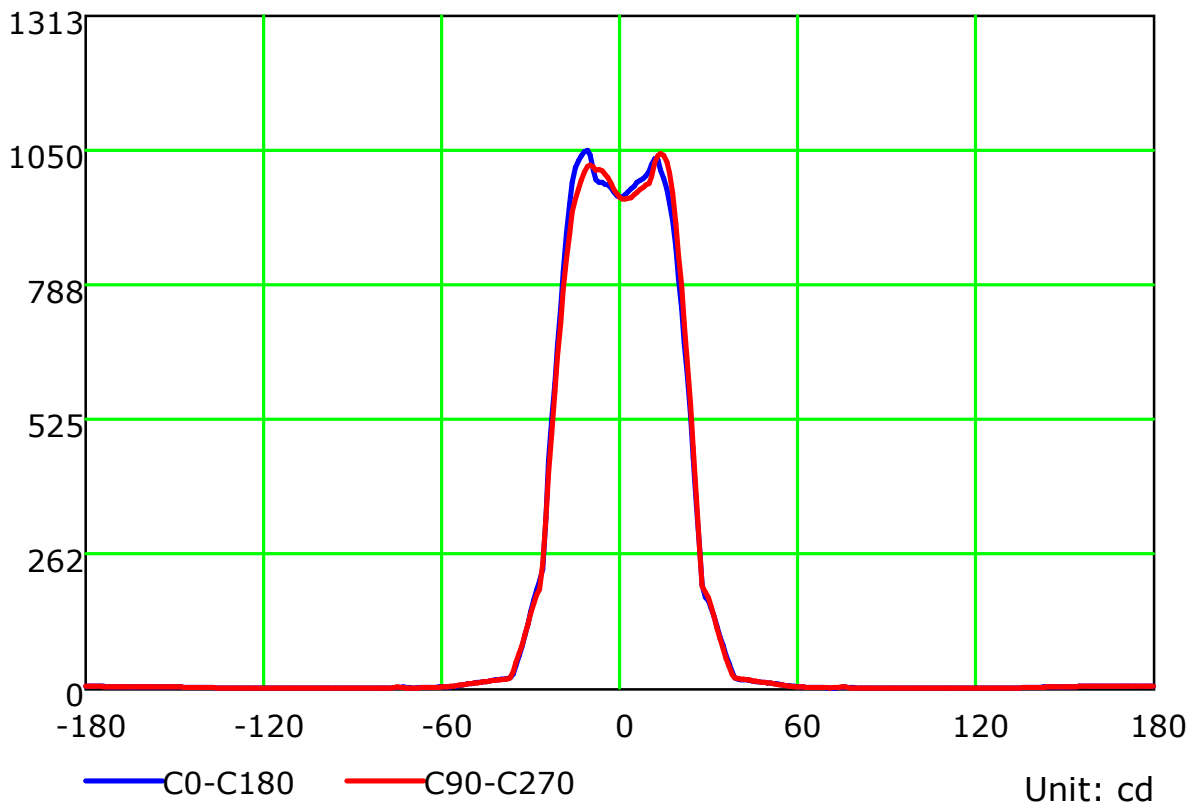
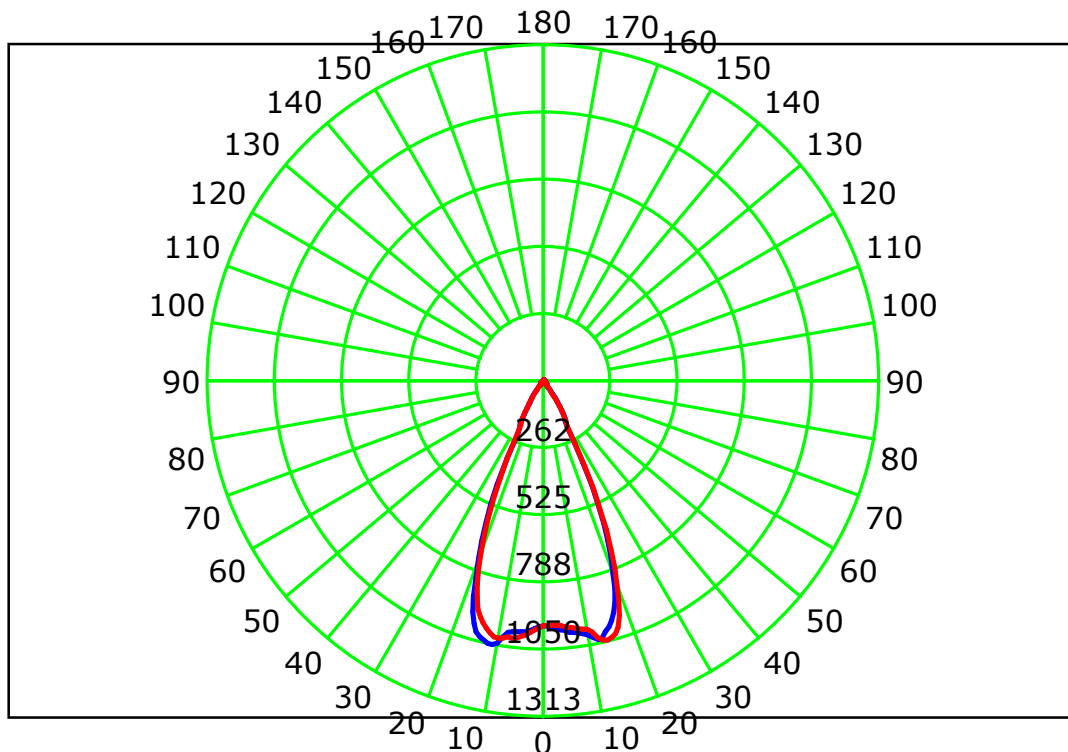
Test Device: GPM-1800B

Distance: 8.684 m [K=1.0000]

Humidity: 65

Inspector:

Luminous Intensity Distribution Curve



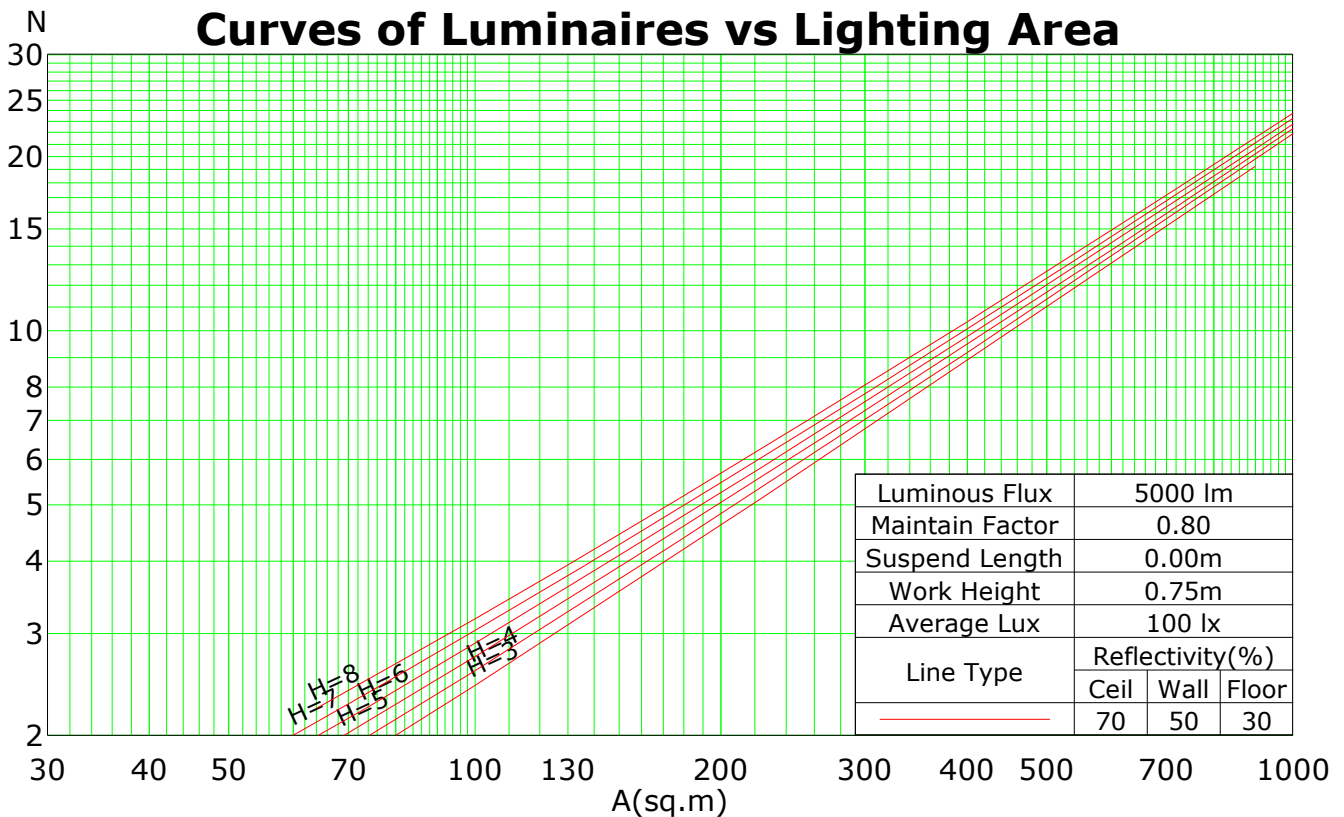
C Plane (°):0.0-360.0: 90.0
Test Lab: inventfine instruments
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.684 m [K=1.0000]
Humidity: 65
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	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	0.99
1	1.14	1.11	1.09	1.07	1.11	1.09	1.07	1.05	1.05	1.03	1.02	1.01	1.00	0.99	0.98	0.97	0.96	0.94
2	1.09	1.05	1.01	0.98	1.07	1.03	1.00	0.97	1.00	0.97	0.95	0.97	0.95	0.93	0.94	0.92	0.91	0.89
3	1.05	0.99	0.95	0.91	1.03	0.98	0.94	0.91	0.95	0.92	0.89	0.92	0.90	0.87	0.90	0.88	0.86	0.85
4	1.00	0.94	0.89	0.85	0.99	0.93	0.88	0.85	0.90	0.87	0.84	0.88	0.85	0.83	0.87	0.84	0.82	0.80
5	0.96	0.89	0.84	0.80	0.95	0.88	0.83	0.80	0.86	0.82	0.79	0.85	0.81	0.78	0.83	0.80	0.78	0.76
6	0.92	0.85	0.80	0.76	0.91	0.84	0.79	0.76	0.82	0.78	0.75	0.81	0.77	0.75	0.80	0.77	0.74	0.73
7	0.89	0.81	0.76	0.72	0.88	0.80	0.75	0.72	0.79	0.75	0.71	0.78	0.74	0.71	0.77	0.73	0.71	0.69
8	0.85	0.77	0.72	0.69	0.84	0.77	0.72	0.68	0.76	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.67	0.66
9	0.82	0.74	0.69	0.65	0.81	0.73	0.69	0.65	0.72	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.64	0.63
10	0.79	0.71	0.66	0.62	0.78	0.70	0.66	0.62	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.61

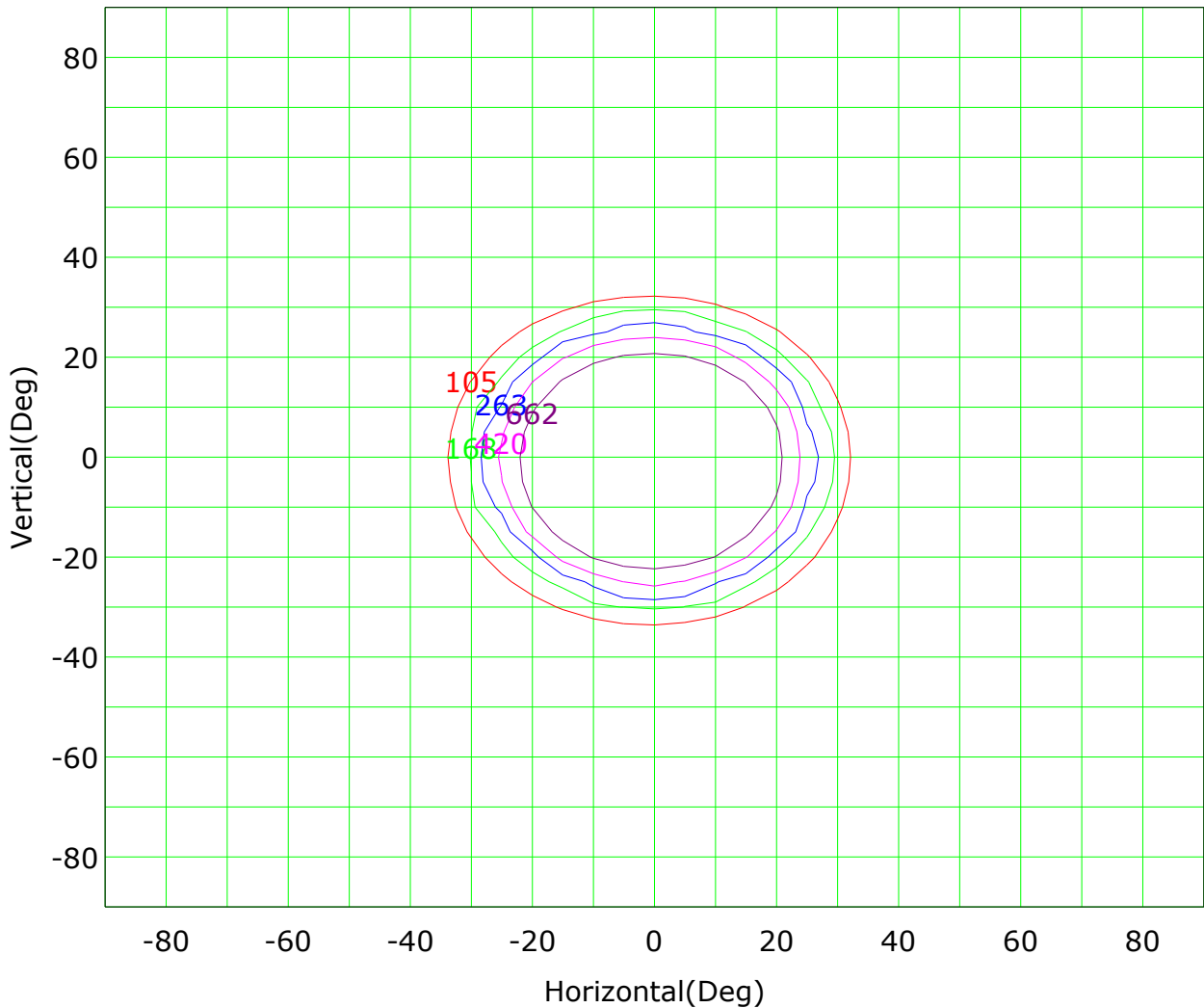
Spacing Criteria (0-180): 0.82
 Spacing Criteria (90-270): 0.83
 Spacing Criteria (Diagonal): 0.68



C Plane (°):0.0-360.0: 90.0
 Test Lab: inventfine instruments
 Test Type: TYPE C
 Temperature: 26
 Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.684 m [K=1.0000]
 Humidity: 65
 Inspector:

Isocandela (rectangle)



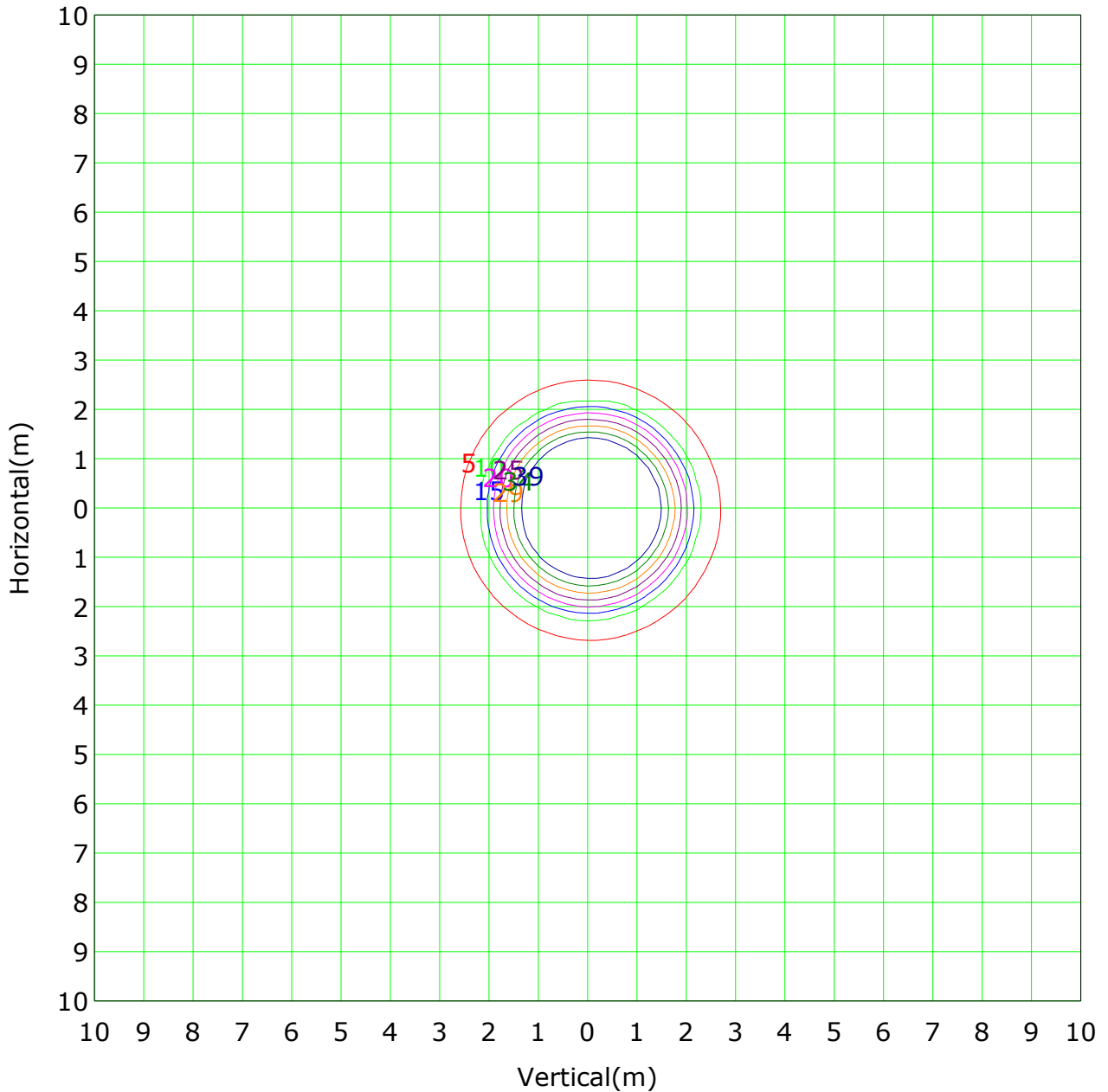
Imax (100%): 1051 cd

— (10%): 105 cd	— (16%): 168 cd
— (25%): 263 cd	— (40%): 420 cd
— (63%): 662 cd	— (100%): 1051 cd

C Plane (°):0.0-360.0: 90.0
Test Lab: inventfine instruments
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.684 m [K=1.0000]
Humidity: 65
Inspector:

IsoLux Plot



Mounting Height: 4.5m		Max Lux(100%): 49.2 lx
— (10%):	4.9 lx	— (20%): 9.8 lx
— (30%):	14.7 lx	— (40%): 19.7 lx
— (50%):	24.6 lx	— (60%): 29.5 lx
— (70%):	34.4 lx	— (80%): 39.3 lx

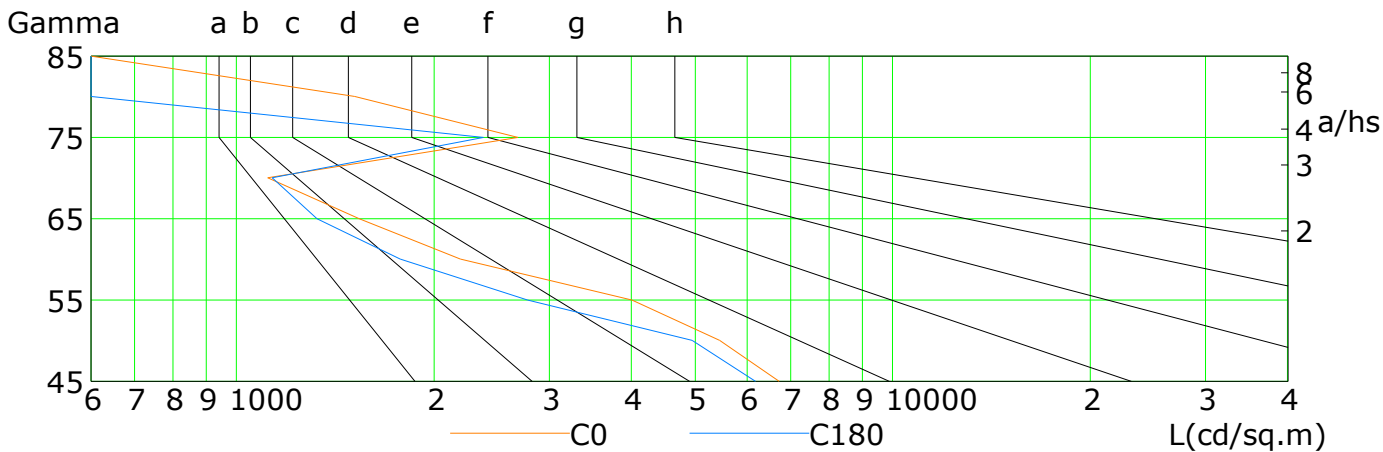
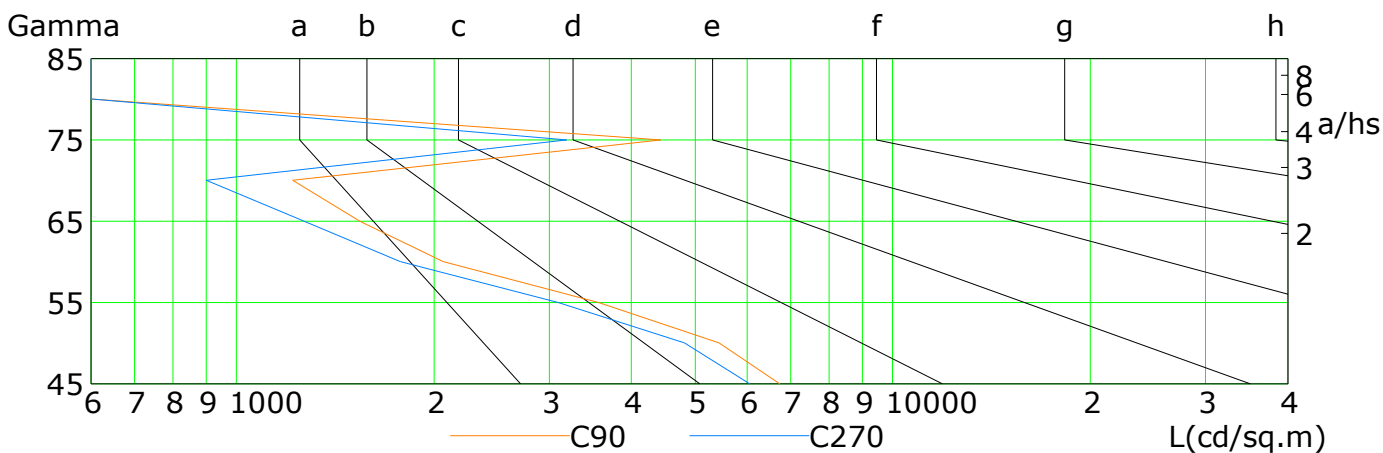
C Plane (°):0.0-360.0: 90.0
Test Lab: inventfine instruments
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.684 m [K=1.0000]
Humidity: 65
Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
		2000	1000	500	<=300				
1.15	A	2000	1000	500	<=300				
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

a b c d e f g h

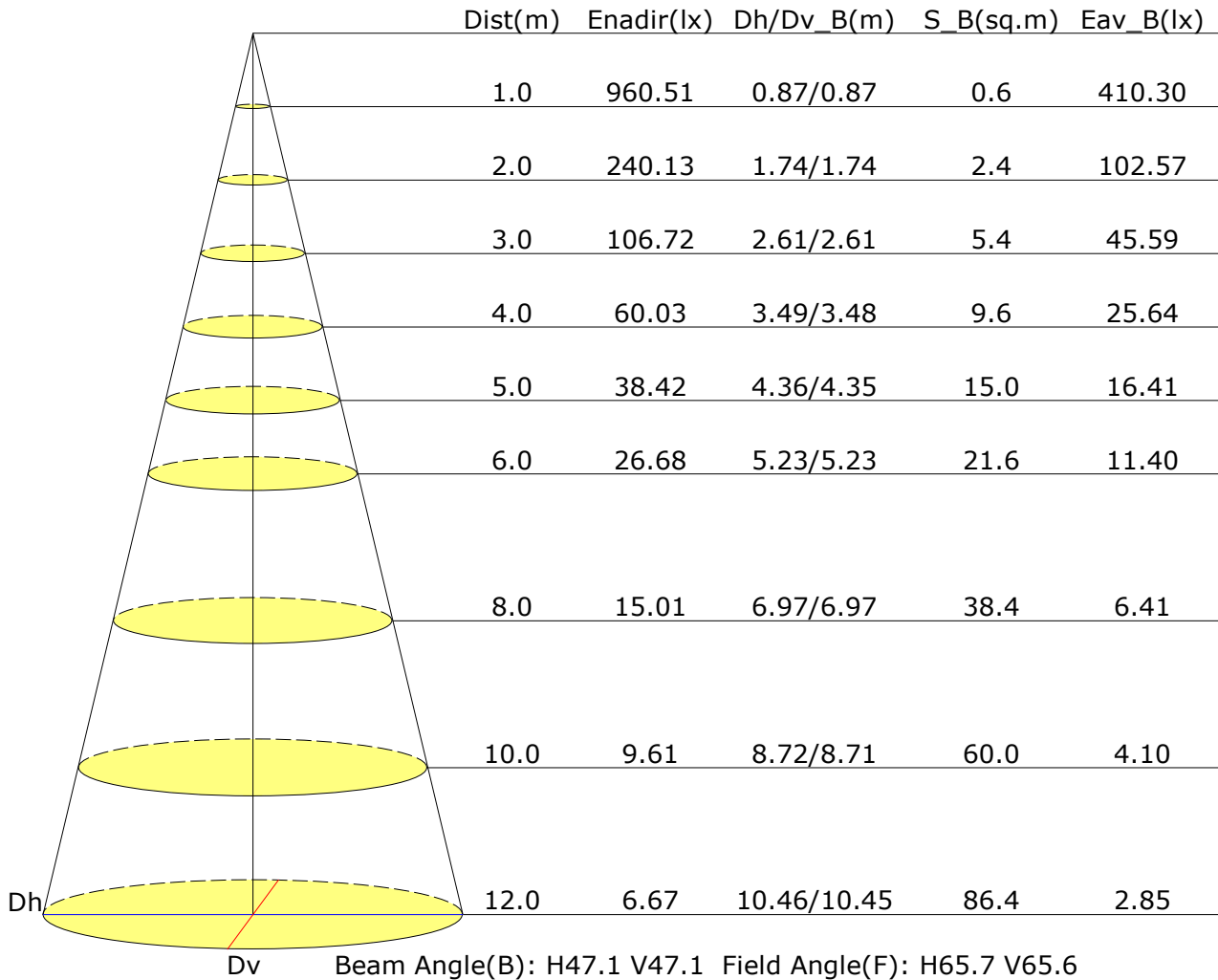


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	6709	5449	4010	2194	1541	1116	2689	1515	0
C90	6738	5436	3569	2066	1541	1219	4438	0	0
C180	6183	4945	2779	1777	1328	1135	2380	0	0
C270	6057	4817	3093	1777	1268	901	3186	0	0

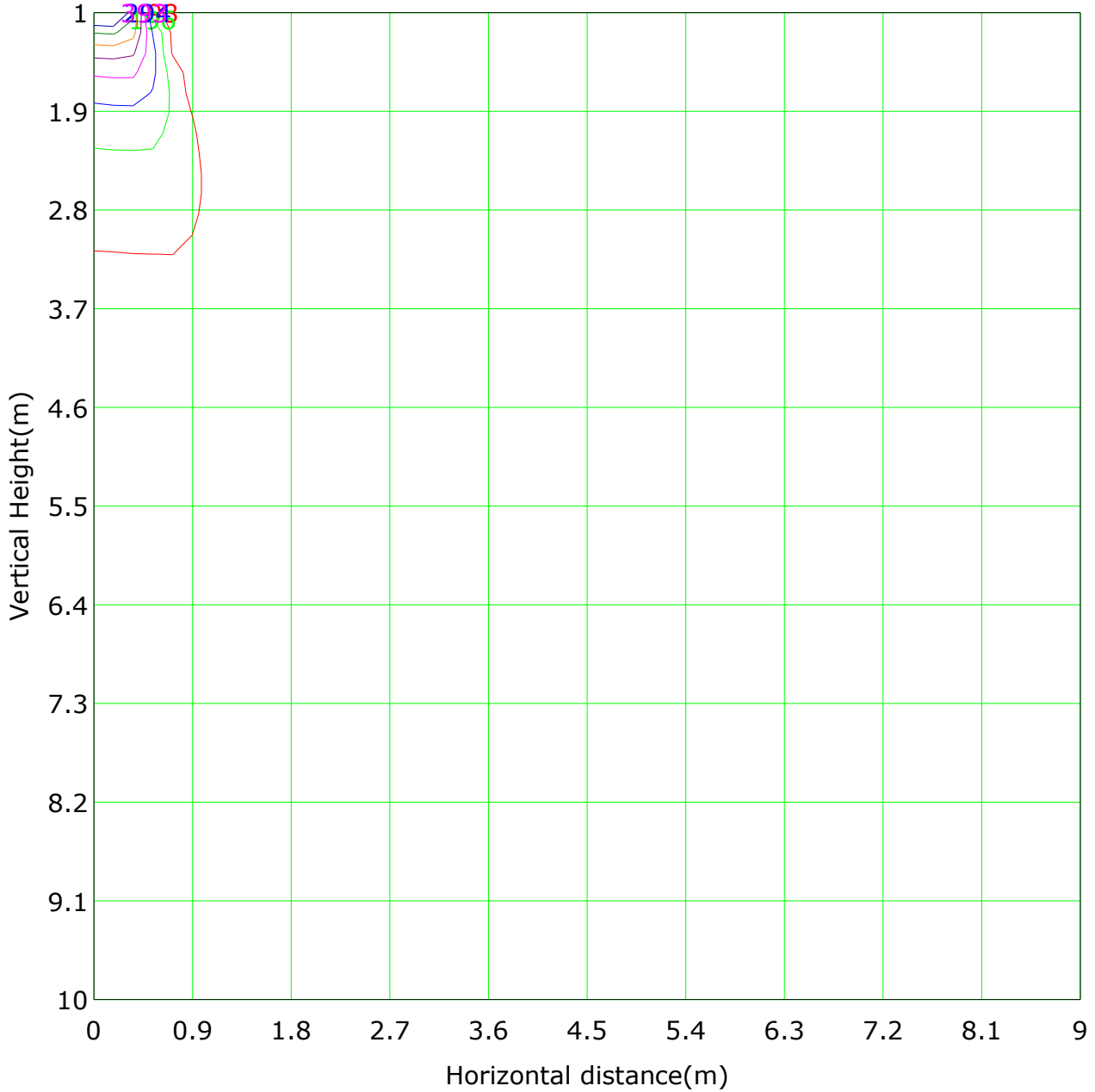
C Plane (°):0.0-360.0: 90.0
Test Lab: inventfine instruments
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.684 m [K=1.0000]
Humidity: 65
Inspector:

Illuminance at a Distance

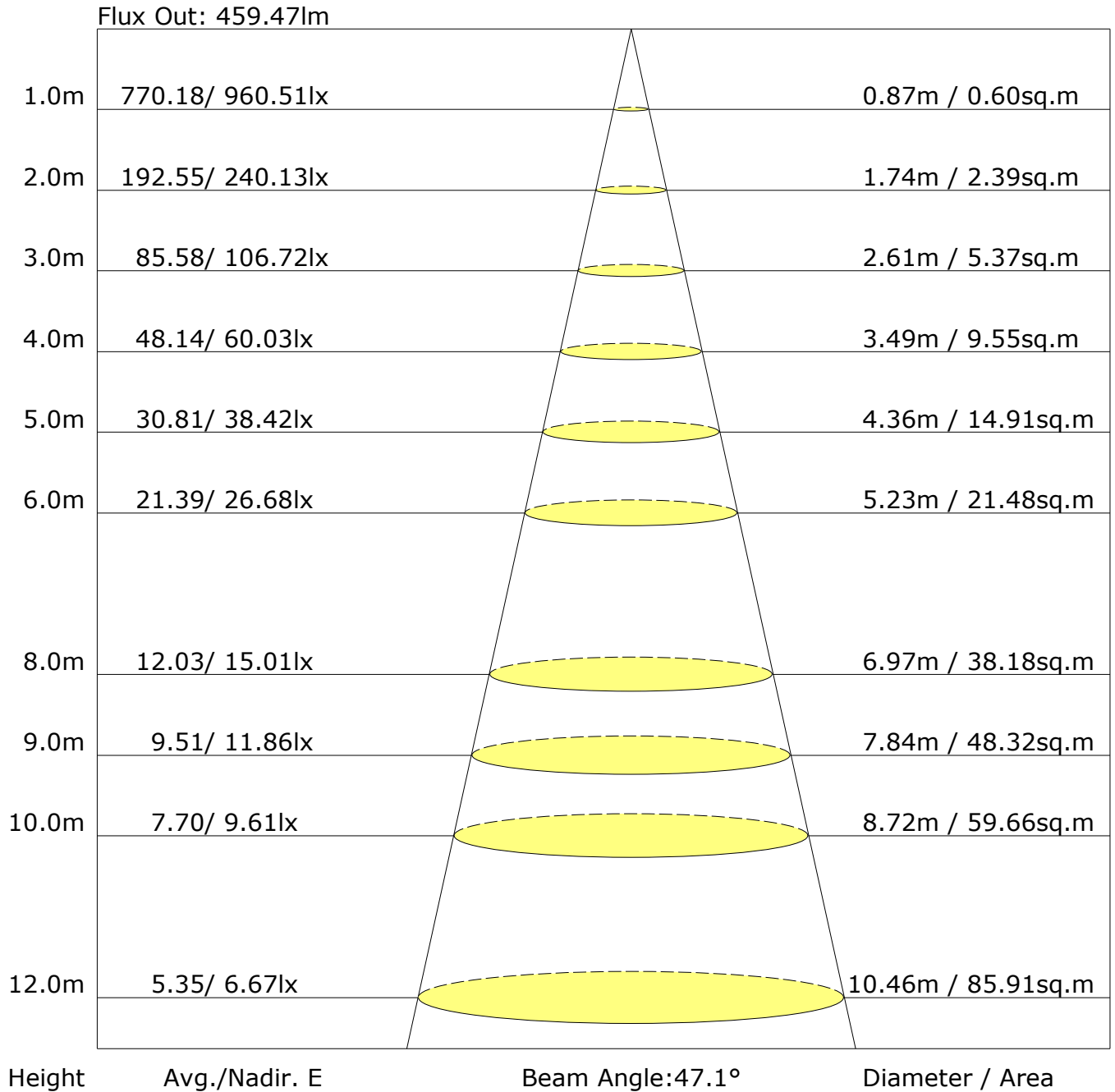


Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 10.0m	Max Lux: 981.4 lx
— (10%): 98.1 lx	— (20%): 196.3 lx	
— (30%): 294.4 lx	— (40%): 392.6 lx	
— (50%): 490.7 lx	— (60%): 588.9 lx	
— (70%): 687.0 lx	— (80%): 785.2 lx	

The Average Illuminance Effective Figure



UGR Table

Reflectance:															
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3					
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3					
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2					
Room dimensions	Viewed crosswise					Viewed endwise									
X=2H Y=2H	12.8	13.5	13.0	13.7	13.9	12.1	12.9	12.4	13.1	13.3					
3H	12.7	13.4	13.0	13.6	13.9	12.1	12.7	12.4	13.0	13.3					
4H	12.8	13.4	13.1	13.7	14.0	12.2	12.9	12.5	13.1	13.4					
6H	12.9	13.5	13.3	13.8	14.1	12.2	12.8	12.6	13.1	13.4					
8H	12.9	13.5	13.3	13.8	14.1	12.2	12.8	12.6	13.1	13.4					
12H	12.9	13.4	13.2	13.7	14.1	12.2	12.7	12.5	13.0	13.4					
X=4H Y=2H	12.6	13.2	12.9	13.5	13.8	12.0	12.6	12.3	12.9	13.2					
3H	12.6	13.1	12.9	13.4	13.8	12.0	12.5	12.3	12.8	13.2					
4H	12.8	13.3	13.2	13.7	14.0	12.3	12.7	12.7	13.1	13.5					
6H	13.0	13.5	13.5	13.8	14.2	12.3	12.7	12.7	13.1	13.5					
8H	13.0	13.4	13.4	13.8	14.2	12.3	12.7	12.7	13.1	13.5					
12H	12.9	13.3	13.4	13.7	14.2	12.2	12.6	12.7	13.0	13.4					
X=8H Y=4H	12.9	13.2	13.3	13.7	14.1	12.3	12.7	12.8	13.1	13.5					
6H	13.1	13.4	13.5	13.8	14.3	12.4	12.7	12.8	13.1	13.6					
8H	13.0	13.3	13.5	13.8	14.3	12.3	12.6	12.8	13.1	13.6					
12H	13.0	13.2	13.5	13.7	14.2	12.3	12.5	12.8	13.0	13.5					
X=12H Y=4H	12.8	13.2	13.3	13.6	14.0	12.3	12.6	12.7	13.1	13.5					
6H	13.0	13.3	13.5	13.8	14.3	12.3	12.6	12.8	13.1	13.6					
8H	13.0	13.2	13.5	13.7	14.2	12.3	12.5	12.8	13.0	13.5					
Variations with the observer position at spacings:															
S=1.0H						+4.8/-3.7					+4.5/-3.3				
S=1.5H						+7.5/-5.0					+7.1/-4.5				
S=2.0H						+9.4/-5.6					+9.0/-6.4				

Calculate in accordance with CIE Pub.117. The table is revised with 618lm ($8\log(F/F_0) = -1.7$).

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	960.9	0.9	0.9	0.15	0.15
1.0-2.0	964.1	2.8	3.7	0.45	0.60
2.0-3.0	969.9	4.6	8.3	0.75	1.35
3.0-4.0	976.1	6.5	14.9	1.06	2.40
4.0-5.0	981.6	8.4	23.3	1.37	3.77
5.0-6.0	986.9	10.4	33.7	1.68	5.45
6.0-7.0	991.3	12.3	46.0	1.99	7.44
7.0-8.0	994.1	14.2	60.2	2.30	9.74
8.0-9.0	999.9	16.2	76.4	2.62	12.36
9.0-10.0	1009.9	18.3	94.7	2.96	15.32
10.0-11.0	1019.6	20.4	115.1	3.30	18.62
11.0-12.0	1027.0	22.5	137.5	3.63	22.25
12.0-13.0	1028.7	24.4	161.9	3.95	26.20
13.0-14.0	1021.8	26.2	188.1	4.23	30.43
14.0-15.0	1009.7	27.7	215.8	4.49	34.92
15.0-16.0	992.0	29.1	244.9	4.70	39.62
16.0-17.0	964.4	30.0	274.9	4.86	44.48
17.0-18.0	924.8	30.5	305.4	4.93	49.42
18.0-19.0	871.3	30.3	335.7	4.91	54.32
19.0-20.0	808.3	29.6	365.3	4.79	59.11
20.0-21.0	744.1	28.6	393.9	4.62	63.73
21.0-22.0	676.7	27.2	421.1	4.40	68.13
22.0-23.0	604.2	25.4	446.5	4.10	72.24
23.0-24.0	527.0	23.0	469.5	3.73	75.96
24.0-25.0	442.2	20.1	489.6	3.25	79.22
25.0-26.0	349.8	16.5	506.1	2.67	81.89
26.0-27.0	270.0	13.2	519.3	2.14	84.03
27.0-28.0	216.5	11.0	530.3	1.77	85.80
28.0-29.0	185.7	9.7	540.0	1.57	87.37
29.0-30.0	168.6	9.1	549.1	1.47	88.85
30.0-31.0	151.5	8.4	557.6	1.36	90.21
31.0-32.0	131.7	7.5	565.1	1.22	91.43
32.0-33.0	111.7	6.6	571.7	1.06	92.50
33.0-34.0	92.0	5.6	577.3	0.90	93.40
34.0-35.0	73.0	4.5	581.8	0.73	94.13
35.0-36.0	55.1	3.5	585.3	0.57	94.70

C Plane (°):0.0-360.0: 90.0
Test Lab: inventfine instruments
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.684 m [K=1.0000]
Humidity: 65
Inspector:

Zonal Lumen (Continue 1)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	39.8	2.6	587.9	0.42	95.12
37.0-38.0	28.7	1.9	589.8	0.31	95.43
38.0-39.0	21.6	1.5	591.3	0.24	95.67
39.0-40.0	18.6	1.3	592.6	0.21	95.88
40.0-41.0	17.6	1.3	593.9	0.20	96.08
41.0-42.0	17.1	1.2	595.1	0.20	96.28
42.0-43.0	16.4	1.2	596.3	0.20	96.48
43.0-44.0	15.6	1.2	597.5	0.19	96.67
44.0-45.0	14.7	1.1	598.6	0.18	96.85
45.0-46.0	13.7	1.1	599.7	0.17	97.03
46.0-47.0	12.9	1.0	600.7	0.17	97.19
47.0-48.0	12.1	1.0	601.7	0.16	97.35
48.0-49.0	11.4	0.9	602.6	0.15	97.50
49.0-50.0	10.7	0.9	603.5	0.14	97.65
50.0-51.0	10.0	0.8	604.4	0.14	97.78
51.0-52.0	9.2	0.8	605.1	0.13	97.91
52.0-53.0	8.3	0.7	605.9	0.12	98.03
53.0-54.0	7.4	0.7	606.5	0.11	98.13
54.0-55.0	6.5	0.6	607.1	0.09	98.23
55.0-56.0	5.6	0.5	607.6	0.08	98.31
56.0-57.0	4.7	0.4	608.0	0.07	98.38
57.0-58.0	4.1	0.4	608.4	0.06	98.44
58.0-59.0	3.6	0.3	608.8	0.05	98.49
59.0-60.0	3.2	0.3	609.1	0.05	98.54
60.0-61.0	2.9	0.3	609.3	0.04	98.59
61.0-62.0	2.6	0.3	609.6	0.04	98.63
62.0-63.0	2.4	0.2	609.8	0.04	98.67
63.0-64.0	2.2	0.2	610.0	0.03	98.70
64.0-65.0	2.0	0.2	610.2	0.03	98.73
65.0-66.0	1.8	0.2	610.4	0.03	98.76
66.0-67.0	1.6	0.2	610.6	0.03	98.79
67.0-68.0	1.5	0.1	610.7	0.02	98.81
68.0-69.0	1.3	0.1	610.9	0.02	98.83
69.0-70.0	1.2	0.1	611.0	0.02	98.85
70.0-71.0	1.2	0.1	611.1	0.02	98.87
71.0-72.0	1.3	0.1	611.2	0.02	98.89

C Plane (°):0.0-360.0: 90.0
Test Lab: inventfine instruments
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.684 m [K=1.0000]
Humidity: 65
Inspector:

Zonal Lumen (Continue 2)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	1.5	0.2	611.4	0.03	98.92
73.0-74.0	1.8	0.2	611.6	0.03	98.95
74.0-75.0	2.2	0.2	611.8	0.04	98.99
75.0-76.0	2.4	0.3	612.1	0.04	99.03
76.0-77.0	1.9	0.2	612.3	0.03	99.06
77.0-78.0	1.3	0.1	612.4	0.02	99.09
78.0-79.0	0.8	0.1	612.5	0.01	99.10
79.0-80.0	0.4	0.0	612.5	0.01	99.11
80.0-81.0	0.1	0.0	612.6	0.00	99.11
81.0-82.0	0.0	0.0	612.6	0.00	99.11
82.0-83.0	0.0	0.0	612.6	0.00	99.11
83.0-84.0	0.0	0.0	612.6	0.00	99.11
84.0-85.0	0.0	0.0	612.6	0.00	99.11
85.0-86.0	0.0	0.0	612.6	0.00	99.11
86.0-87.0	0.0	0.0	612.6	0.00	99.11
87.0-88.0	0.0	0.0	612.6	0.00	99.11
88.0-89.0	0.0	0.0	612.6	0.00	99.11
89.0-90.0	0.0	0.0	612.6	0.00	99.11
90.0-91.0	0.0	0.0	612.6	0.00	99.11
91.0-92.0	0.0	0.0	612.6	0.00	99.11
92.0-93.0	0.0	0.0	612.6	0.00	99.11
93.0-94.0	0.0	0.0	612.6	0.00	99.11
94.0-95.0	0.0	0.0	612.6	0.00	99.11
95.0-96.0	0.0	0.0	612.6	0.00	99.11
96.0-97.0	0.0	0.0	612.6	0.00	99.11
97.0-98.0	0.0	0.0	612.6	0.00	99.11
98.0-99.0	0.0	0.0	612.6	0.00	99.11
99.0-100.0	0.0	0.0	612.6	0.00	99.11
100.0-101.0	0.0	0.0	612.6	0.00	99.11
101.0-102.0	0.0	0.0	612.6	0.00	99.11
102.0-103.0	0.0	0.0	612.6	0.00	99.11
103.0-104.0	0.0	0.0	612.6	0.00	99.11
104.0-105.0	0.0	0.0	612.6	0.00	99.11
105.0-106.0	0.0	0.0	612.6	0.00	99.11
106.0-107.0	0.0	0.0	612.6	0.00	99.11
107.0-108.0	0.0	0.0	612.6	0.00	99.11

C Plane (°):0.0-360.0: 90.0
Test Lab: inventfine instruments
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.684 m [K=1.0000]
Humidity: 65
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	0.0	0.0	612.6	0.00	99.11
109.0-110.0	0.0	0.0	612.6	0.00	99.11
110.0-111.0	0.0	0.0	612.6	0.00	99.11
111.0-112.0	0.0	0.0	612.6	0.00	99.11
112.0-113.0	0.0	0.0	612.6	0.00	99.11
113.0-114.0	0.0	0.0	612.6	0.00	99.11
114.0-115.0	0.0	0.0	612.6	0.00	99.11
115.0-116.0	0.0	0.0	612.6	0.00	99.11
116.0-117.0	0.0	0.0	612.6	0.00	99.11
117.0-118.0	0.0	0.0	612.6	0.00	99.11
118.0-119.0	0.0	0.0	612.6	0.00	99.11
119.0-120.0	0.0	0.0	612.6	0.00	99.11
120.0-121.0	0.0	0.0	612.6	0.00	99.11
121.0-122.0	0.0	0.0	612.6	0.00	99.11
122.0-123.0	0.0	0.0	612.6	0.00	99.11
123.0-124.0	0.0	0.0	612.6	0.00	99.11
124.0-125.0	0.0	0.0	612.6	0.00	99.11
125.0-126.0	0.0	0.0	612.6	0.00	99.11
126.0-127.0	0.0	0.0	612.6	0.00	99.11
127.0-128.0	0.0	0.0	612.6	0.00	99.11
128.0-129.0	0.0	0.0	612.6	0.00	99.11
129.0-130.0	0.1	0.0	612.6	0.00	99.11
130.0-131.0	0.5	0.0	612.6	0.01	99.12
131.0-132.0	0.7	0.1	612.7	0.01	99.13
132.0-133.0	0.8	0.1	612.7	0.01	99.14
133.0-134.0	0.9	0.1	612.8	0.01	99.15
134.0-135.0	1.1	0.1	612.9	0.01	99.16
135.0-136.0	1.2	0.1	613.0	0.02	99.18
136.0-137.0	1.4	0.1	613.1	0.02	99.19
137.0-138.0	1.5	0.1	613.2	0.02	99.21
138.0-139.0	1.6	0.1	613.3	0.02	99.23
139.0-140.0	1.8	0.1	613.4	0.02	99.25
140.0-141.0	1.9	0.1	613.6	0.02	99.27
141.0-142.0	2.1	0.1	613.7	0.02	99.30
142.0-143.0	2.2	0.1	613.9	0.02	99.32
143.0-144.0	2.3	0.2	614.0	0.02	99.34

C Plane (°):0.0-360.0: 90.0
Test Lab: inventfine instruments
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.684 m [K=1.0000]
Humidity: 65
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	2.4	0.2	614.2	0.03	99.37
145.0-146.0	2.6	0.2	614.3	0.03	99.40
146.0-147.0	2.7	0.2	614.5	0.03	99.42
147.0-148.0	2.8	0.2	614.7	0.03	99.45
148.0-149.0	2.9	0.2	614.8	0.03	99.48
149.0-150.0	3.0	0.2	615.0	0.03	99.50
150.0-151.0	3.1	0.2	615.2	0.03	99.53
151.0-152.0	3.2	0.2	615.3	0.03	99.56
152.0-153.0	3.3	0.2	615.5	0.03	99.58
153.0-154.0	3.4	0.2	615.6	0.03	99.61
154.0-155.0	3.5	0.2	615.8	0.03	99.64
155.0-156.0	3.5	0.2	616.0	0.03	99.66
156.0-157.0	3.6	0.2	616.1	0.03	99.69
157.0-158.0	3.7	0.2	616.3	0.02	99.71
158.0-159.0	3.7	0.1	616.4	0.02	99.74
159.0-160.0	3.8	0.1	616.6	0.02	99.76
160.0-161.0	3.8	0.1	616.7	0.02	99.78
161.0-162.0	3.9	0.1	616.9	0.02	99.80
162.0-163.0	3.9	0.1	617.0	0.02	99.82
163.0-164.0	3.9	0.1	617.1	0.02	99.84
164.0-165.0	3.9	0.1	617.2	0.02	99.86
165.0-166.0	3.9	0.1	617.3	0.02	99.88
166.0-167.0	3.9	0.1	617.4	0.02	99.90
167.0-168.0	3.9	0.1	617.5	0.02	99.91
168.0-169.0	3.9	0.1	617.6	0.01	99.92
169.0-170.0	3.9	0.1	617.7	0.01	99.94
170.0-171.0	4.0	0.1	617.8	0.01	99.95
171.0-172.0	4.0	0.1	617.8	0.01	99.96
172.0-173.0	4.0	0.1	617.9	0.01	99.97
173.0-174.0	4.0	0.1	617.9	0.01	99.98
174.0-175.0	4.1	0.0	618.0	0.01	99.98
175.0-176.0	4.1	0.0	618.0	0.01	99.99
176.0-177.0	4.1	0.0	618.0	0.00	99.99
177.0-178.0	4.1	0.0	618.0	0.00	100.00
178.0-179.0	4.2	0.0	618.1	0.00	100.00
179.0-180.0	4.2	0.0	618.1	0.00	100.00

C Plane (°):0.0-360.0: 90.0
Test Lab: inventfine instruments
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.684 m [K=1.0000]
Humidity: 65
Inspector:

Zonal Lumen (Continue 5)

cone flux(90°): 598.61 lm

%lum = 96.9%

%lamp = 96.9%

cone flux(120°): 609.06 lm

%lum = 98.5%

%lamp = 98.5%

Candlepower Table

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G0.0	960.5	960.5	960.5	960.5	960.5					
G1.0	959.7	956.9	962.0	966.6	959.7					
G2.0	965.7	956.4	970.5	974.6	965.7					
G3.0	969.7	957.9	977.8	986.6	969.7					
G4.0	976.1	959.1	983.3	998.1	976.1					
G5.0	981.8	964.6	985.6	1004.5	981.8					
G6.0	989.2	969.3	988.6	1011.9	989.2					
G7.0	992.7	975.5	988.7	1014.1	992.7					
G8.0	996.7	978.5	993.6	1013.1	996.7					
G9.0	1001.9	983.4	1013.2	1018.5	1001.9					
G10.0	1010.5	986.7	1042.1	1022.9	1010.5					
G11.0	1024.0	1000.3	1050.8	1019.9	1024.0					
G12.0	1035.1	1027.4	1049.4	1009.4	1035.1					
G13.0	1033.0	1041.9	1040.4	992.8	1033.0					
G14.0	1013.1	1045.3	1031.9	976.0	1013.1					
G15.0	996.2	1041.0	1017.3	956.8	996.2					
G16.0	975.7	1028.7	988.8	931.6	975.7					
G17.0	949.0	1007.5	946.0	888.1	949.0					
G18.0	913.8	967.2	888.3	838.3	913.8					
G19.0	861.4	907.0	814.0	780.1	861.4					
G20.0	801.7	847.8	742.0	712.6	801.7					
G21.0	742.2	787.6	670.3	648.5	742.2					
G22.0	675.1	713.7	596.0	580.2	675.1					
G23.0	609.9	635.1	526.2	497.1	609.9					
G24.0	532.0	553.2	444.6	418.0	532.0					
G25.0	451.2	471.0	333.7	333.6	451.2					
G26.0	358.7	373.2	233.9	243.1	358.7					
G27.0	275.1	273.6	208.9	193.8	275.1					
G28.0	202.0	199.8	194.5	184.0	202.0					
G29.0	177.9	187.8	173.3	166.1	177.9					
G30.0	171.0	177.6	149.6	145.9	171.0					
G31.0	156.9	160.2	125.1	126.0	156.9					
G32.0	139.1	138.6	103.8	104.3	139.1					
G33.0	121.4	118.1	82.8	85.6	121.4					
G34.0	101.1	96.4	63.1	67.9	101.1					
G35.0	83.1	77.5	45.0	50.3	83.1					
G36.0	65.5	59.6	27.5	32.7	65.5					

C Plane (°):0.0-360.0: 90.0
 Test Lab: inventfine instruments
 Test Type: TYPE C
 Temperature: 26
 Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.684 m [K=1.0000]
 Humidity: 65
 Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G37.0	48.9	42.9	20.3	21.3	48.9					
G38.0	32.2	26.5	18.9	18.4	32.2					
G39.0	21.0	20.3	18.2	17.6	21.0					
G40.0	18.2	19.1	17.6	17.0	18.2					
G41.0	17.2	18.4	17.0	16.7	17.2					
G42.0	16.8	17.8	16.3	16.2	16.8					
G43.0	16.4	17.2	15.2	15.2	16.4					
G44.0	15.8	16.4	14.4	14.1	15.8					
G45.0	14.8	14.9	13.6	13.4	14.8					
G46.0	13.7	13.9	12.8	12.6	13.7					
G47.0	13.0	13.0	12.0	11.9	13.0					
G48.0	12.3	12.3	11.3	11.1	12.3					
G49.0	11.6	11.6	10.6	10.4	11.6					
G50.0	10.9	10.9	9.9	9.7	10.9					
G51.0	10.3	10.1	9.0	8.8	10.3					
G52.0	9.5	9.4	8.0	8.1	9.5					
G53.0	8.9	8.4	7.0	7.3	8.9					
G54.0	8.1	7.4	5.8	6.4	8.1					
G55.0	7.2	6.4	5.0	5.5	7.2					
G56.0	6.2	5.4	4.2	4.7	6.2					
G57.0	5.3	4.5	3.7	4.0	5.3					
G58.0	4.5	4.0	3.3	3.5	4.5					
G59.0	3.8	3.6	3.1	3.1	3.8					
G60.0	3.4	3.2	2.8	2.8	3.4					
G61.0	3.1	3.0	2.5	2.5	3.1					
G62.0	2.8	2.7	2.4	2.3	2.8					
G63.0	2.5	2.5	2.1	2.0	2.5					
G64.0	2.2	2.2	1.9	1.8	2.2					
G65.0	2.0	2.0	1.7	1.7	2.0					
G66.0	1.8	1.9	1.6	1.5	1.8					
G67.0	1.7	1.7	1.4	1.4	1.7					
G68.0	1.5	1.5	1.3	1.2	1.5					
G69.0	1.4	1.4	1.2	1.0	1.4					
G70.0	1.2	1.3	1.2	1.0	1.2					
G71.0	1.1	1.2	1.6	0.9	1.1					
G72.0	0.9	1.4	1.9	1.1	0.9					
G73.0	1.1	1.6	2.6	1.5	1.1					

C Plane (°):0.0-360.0: 90.0
 Test Lab: inventfine instruments
 Test Type: TYPE C
 Temperature: 26
 Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.684 m [K=1.0000]
 Humidity: 65
 Inspector:

Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G74.0	1.5	1.9	2.3	1.5	1.5					
G75.0	2.2	3.6	1.9	2.6	2.2					
G76.0	3.7	2.6	1.3	1.6	3.7					
G77.0	2.4	1.8	0.9	1.2	2.4					
G78.0	1.7	1.2	0.6	0.8	1.7					
G79.0	1.3	0.8	0.0	0.0	1.3					
G80.0	0.8	0.0	0.0	0.0	0.8					
G81.0	0.0	0.0	0.0	0.0	0.0					
G82.0	0.0	0.0	0.0	0.0	0.0					
G83.0	0.0	0.0	0.0	0.0	0.0					
G84.0	0.0	0.0	0.0	0.0	0.0					
G85.0	0.0	0.0	0.0	0.0	0.0					
G86.0	0.0	0.0	0.0	0.0	0.0					
G87.0	0.0	0.0	0.0	0.0	0.0					
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	0.0	0.0	0.0					
G101.0	0.0	0.0	0.0	0.0	0.0					
G102.0	0.0	0.0	0.0	0.0	0.0					
G103.0	0.0	0.0	0.0	0.0	0.0					
G104.0	0.0	0.0	0.0	0.0	0.0					
G105.0	0.0	0.0	0.0	0.0	0.0					
G106.0	0.0	0.0	0.0	0.0	0.0					
G107.0	0.0	0.0	0.0	0.0	0.0					
G108.0	0.0	0.0	0.0	0.0	0.0					
G109.0	0.0	0.0	0.0	0.0	0.0					
G110.0	0.0	0.0	0.0	0.0	0.0					

C Plane (°):0.0-360.0: 90.0
 Test Lab: inventfine instruments
 Test Type: TYPE C
 Temperature: 26
 Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.684 m [K=1.0000]
 Humidity: 65
 Inspector:

Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G111.0	0.0	0.0	0.0	0.0	0.0					
G112.0	0.0	0.0	0.0	0.0	0.0					
G113.0	0.0	0.0	0.0	0.0	0.0					
G114.0	0.0	0.0	0.0	0.0	0.0					
G115.0	0.0	0.0	0.0	0.0	0.0					
G116.0	0.0	0.0	0.0	0.0	0.0					
G117.0	0.0	0.0	0.0	0.0	0.0					
G118.0	0.0	0.0	0.0	0.0	0.0					
G119.0	0.0	0.0	0.0	0.0	0.0					
G120.0	0.0	0.0	0.0	0.0	0.0					
G121.0	0.0	0.0	0.0	0.0	0.0					
G122.0	0.0	0.0	0.0	0.0	0.0					
G123.0	0.0	0.0	0.0	0.0	0.0					
G124.0	0.0	0.0	0.0	0.0	0.0					
G125.0	0.0	0.0	0.0	0.0	0.0					
G126.0	0.0	0.0	0.0	0.0	0.0					
G127.0	0.0	0.0	0.0	0.0	0.0					
G128.0	0.0	0.0	0.0	0.0	0.0					
G129.0	0.0	0.0	0.0	0.0	0.0					
G130.0	0.0	0.0	0.6	0.6	0.0					
G131.0	0.6	0.6	0.7	0.7	0.6					
G132.0	0.8	0.7	0.8	0.8	0.8					
G133.0	0.9	0.9	0.9	0.9	0.9					
G134.0	1.0	1.0	1.0	1.0	1.0					
G135.0	1.2	1.2	1.2	1.1	1.2					
G136.0	1.4	1.4	1.2	1.2	1.4					
G137.0	1.6	1.5	1.3	1.3	1.6					
G138.0	1.7	1.7	1.5	1.4	1.7					
G139.0	1.9	1.9	1.5	1.5	1.9					
G140.0	2.1	2.0	1.7	1.6	2.1					
G141.0	2.2	2.2	1.8	1.8	2.2					
G142.0	2.4	2.3	1.9	1.9	2.4					
G143.0	2.5	2.5	2.0	2.0	2.5					
G144.0	2.7	2.6	2.1	2.1	2.7					
G145.0	2.8	2.8	2.3	2.2	2.8					
G146.0	2.9	2.9	2.3	2.3	2.9					
G147.0	3.0	3.0	2.5	2.4	3.0					

C Plane (°):0.0-360.0: 90.0
 Test Lab: inventfine instruments
 Test Type: TYPE C
 Temperature: 26
 Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.684 m [K=1.0000]
 Humidity: 65
 Inspector:

Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G148.0	3.1	3.1	2.6	2.5	3.1					
G149.0	3.2	3.2	2.6	2.7	3.2					
G150.0	3.3	3.4	2.8	2.7	3.3					
G151.0	3.4	3.4	2.8	2.8	3.4					
G152.0	3.5	3.5	3.0	2.9	3.5					
G153.0	3.6	3.6	3.0	3.1	3.6					
G154.0	3.7	3.7	3.1	3.1	3.7					
G155.0	3.8	3.8	3.2	3.2	3.8					
G156.0	3.8	3.8	3.3	3.3	3.8					
G157.0	3.9	3.9	3.4	3.3	3.9					
G158.0	3.9	4.0	3.4	3.4	3.9					
G159.0	4.0	4.0	3.5	3.4	4.0					
G160.0	4.1	4.1	3.5	3.4	4.1					
G161.0	4.2	4.2	3.5	3.4	4.2					
G162.0	4.2	4.2	3.6	3.5	4.2					
G163.0	4.2	4.3	3.6	3.5	4.2					
G164.0	4.2	4.3	3.6	3.5	4.2					
G165.0	4.3	4.3	3.6	3.5	4.3					
G166.0	4.3	4.3	3.6	3.5	4.3					
G167.0	4.3	4.3	3.6	3.5	4.3					
G168.0	4.3	4.3	3.6	3.5	4.3					
G169.0	4.3	4.3	3.6	3.5	4.3					
G170.0	4.3	4.3	3.7	3.6	4.3					
G171.0	4.3	4.3	3.7	3.6	4.3					
G172.0	4.3	4.3	3.7	3.7	4.3					
G173.0	4.3	4.3	3.7	3.7	4.3					
G174.0	4.3	4.4	3.8	3.8	4.3					
G175.0	4.3	4.4	3.9	3.8	4.3					
G176.0	4.3	4.3	3.9	3.8	4.3					
G177.0	4.3	4.3	4.0	3.9	4.3					
G178.0	4.2	4.3	4.1	4.0	4.2					
G179.0	4.2	4.2	4.1	4.1	4.2					
G180.0	4.1	4.1	4.2	4.2	4.1					

C Plane (°):0.0-360.0: 90.0
 Test Lab: inventfine instruments
 Test Type: TYPE C
 Temperature: 26
 Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.684 m [K=1.0000]
 Humidity: 65
 Inspector:

LED Average Luminance Report

Avg.L	cd/m ²
L 0-180(65) av	1434.52
L 0-180(75) av	2534.49
L 0-180(85) av	0.00
L 90-270(65) av	1404.45
L 90-270(75) av	3811.82
L 90-270(85) av	0.00
L 45(65) av	1419.49
L 45(75) av	3173.15
L 45(85) av	0.00

Standard: GB/T 29293-2012