

Report No.: TH-4263A

Test Time: 2023/5/30 14:57

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Luminaire Description: Dome-12W-300MA-3000K

Lamp Catalog:

Lamp Description:

Number of Lamps:

Lumens per Lamp:

Luminous Length (mm): -95

Luminous Width (mm): -95

Luminous Height (mm):

Voltage: 220.2 V

Current: 0.058 A

Power: 12.43 W

Power Factor: 0.975

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 1045.0 lm

Measurement Flux: 1045 lm

Efficiency: 100%

Downward Ratio: 99%

Upward Ratio: 1%

Horizontal Diffuse Angle(50%): H33.9

Vertical Diffuse Angle(50%): V34.5

Luminaire Efficacy Rating (LER): 84.12

C0r0 Intensity: 2654.81 cd

Max. Intensity: 2673.65 cd

Pos of Max. Intensity: H180 V1

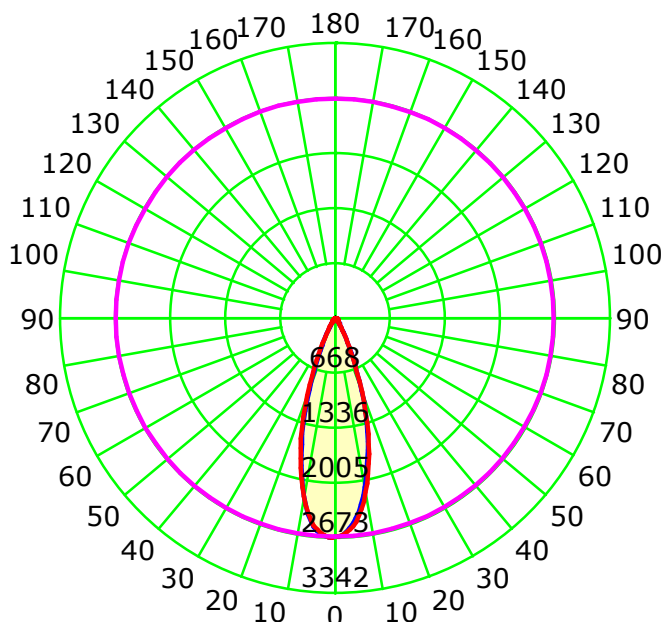
S/MH(C0/C180): 0.56

S/MH(C90/C270): 0.57

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 34.2°

— C0-C180 — C90-C270 — G1

C Plane (°):0.0-360.0: 90.0

Gamma Plane (°):0.0-180.0:1.0

Test Lab:

Test Device: GPM-1800B

Test Type: TYPE C

Distance: 8.684 m [K=1.0000]

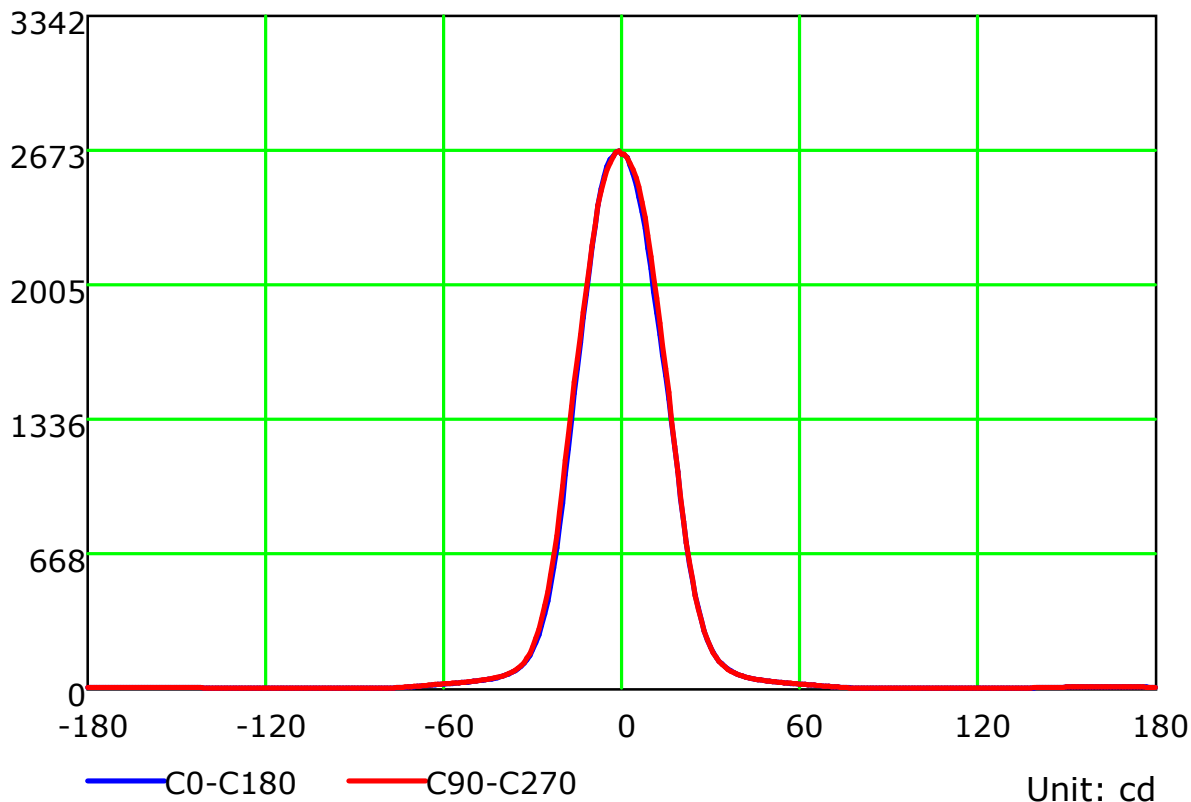
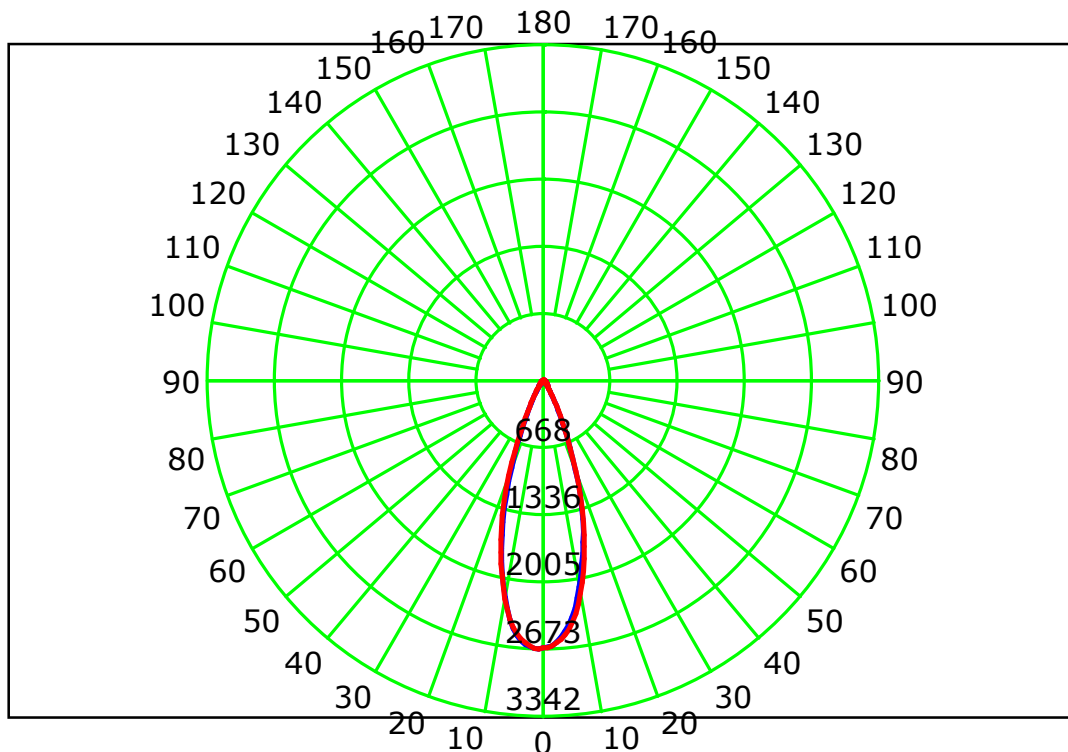
Temperature: 26

Humidity: 65

Operator: Jacky

Inspector:

Luminous Intensity Distribution Curve



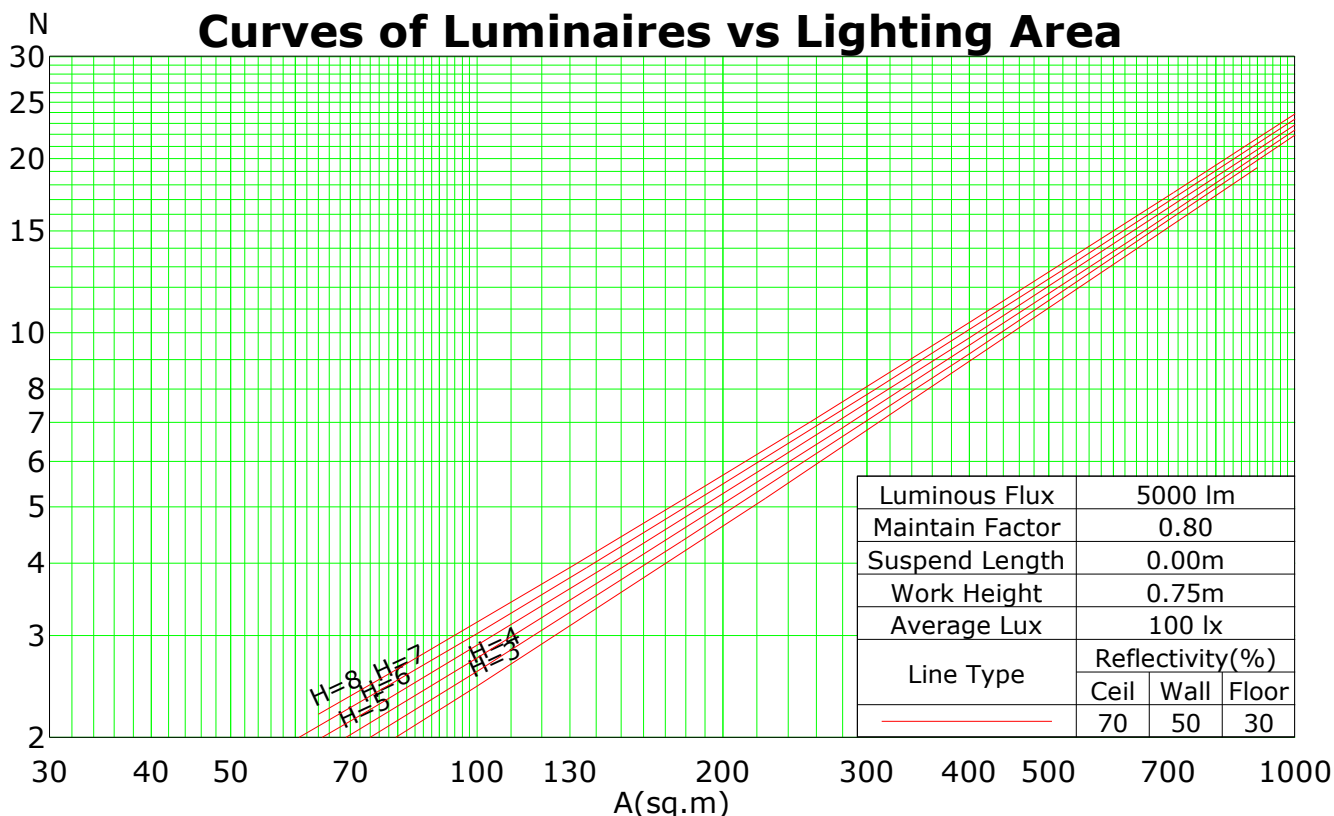
C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature: 26
Operator: Jacky

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	0.97	0.96	0.96	0.94
2	1.09	1.05	1.01	0.98	1.07	1.03	1.00	0.97	0.99	0.97	0.94	0.96	0.94	0.92	0.94	0.92	0.90	0.89
3	1.04	0.99	0.94	0.91	1.02	0.97	0.93	0.90	0.95	0.91	0.88	0.92	0.89	0.87	0.90	0.87	0.86	0.84
4	1.00	0.94	0.89	0.85	0.98	0.92	0.88	0.84	0.90	0.86	0.83	0.88	0.85	0.82	0.86	0.84	0.81	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	0.84	0.81	0.78	0.83	0.80	0.77	0.76
6	0.92	0.85	0.80	0.76	0.91	0.84	0.79	0.76	0.83	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	0.76	0.72	0.79	0.75	0.72	0.78	0.74	0.71	0.77	0.73	0.71	0.70
8	0.86	0.78	0.73	0.69	0.85	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.68	0.74	0.71	0.68	0.67
9	0.83	0.75	0.70	0.66	0.82	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.72	0.68	0.65	0.64
10	0.80	0.72	0.67	0.64	0.79	0.71	0.67	0.64	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.66	0.63	0.62

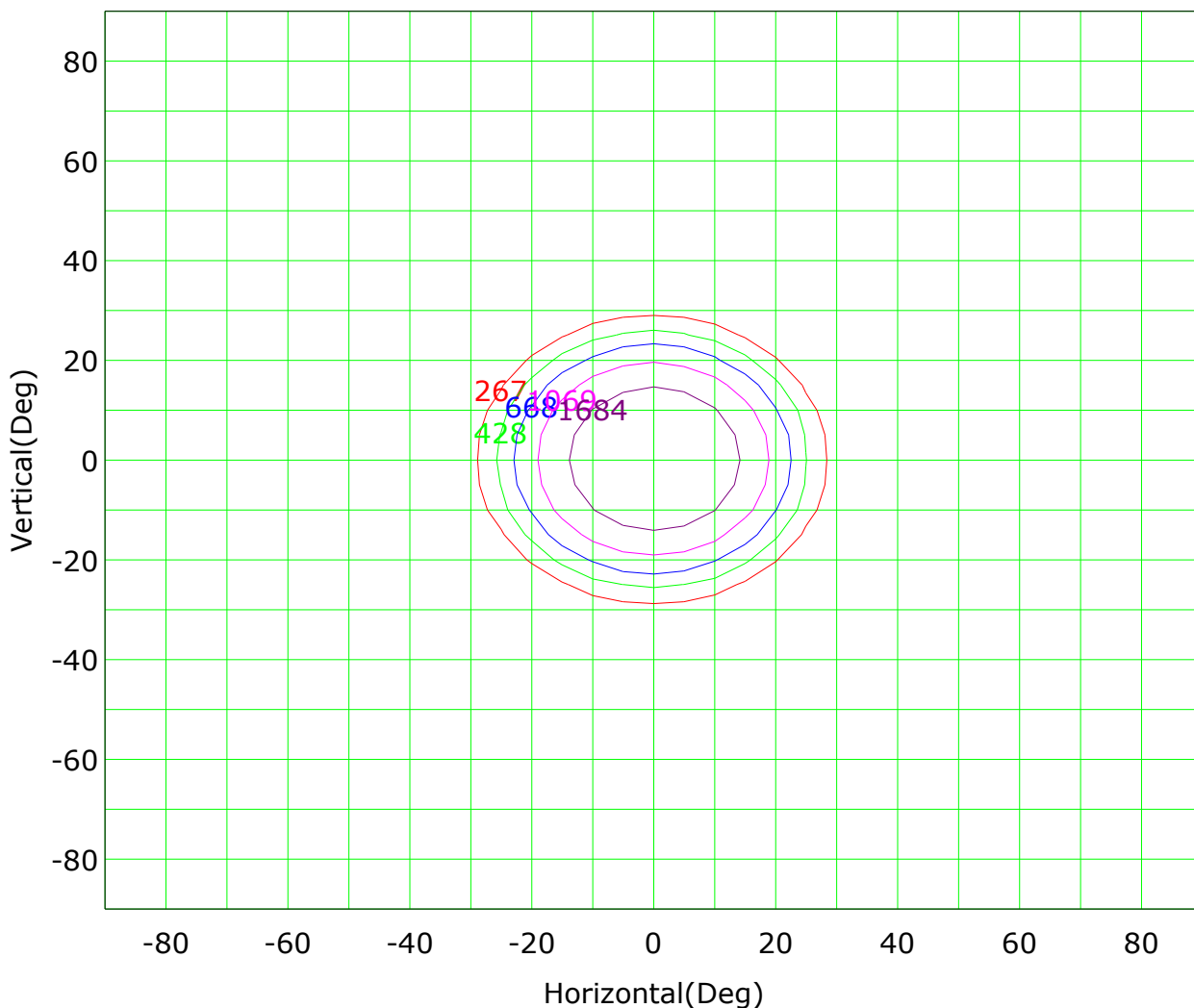
Spacing Criteria (0-180): 0.56
 Spacing Criteria (90-270): 0.57
 Spacing Criteria (Diagonal): 0.55



C Plane (°):0.0-360.0: 90.0
 Test Lab:
 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)



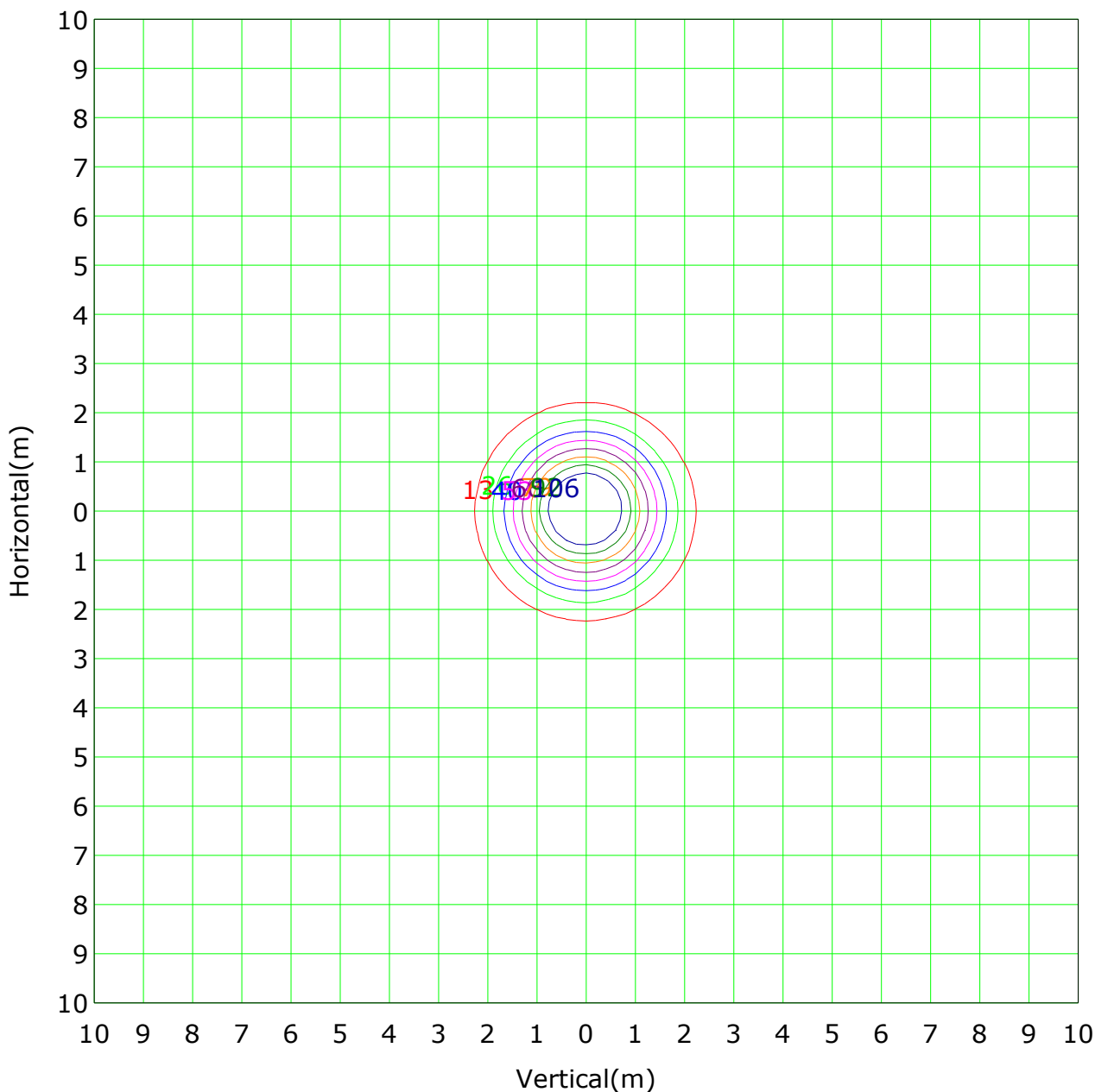
Imax (100%): 2674 cd

— (10%): 267 cd	— (16%): 428 cd
— (25%): 668 cd	— (40%): 1069 cd
— (63%): 1684 cd	— (100%): 2674 cd

C Plane (°):0.0-360.0: 90.0
Test Lab:
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%): 132.0 lx	
— (10%): 13.2 lx	— (20%): 26.4 lx		
— (30%): 39.6 lx	— (40%): 52.8 lx		
— (50%): 66.0 lx	— (60%): 79.2 lx		
— (70%): 92.4 lx	— (80%): 105.6 lx		

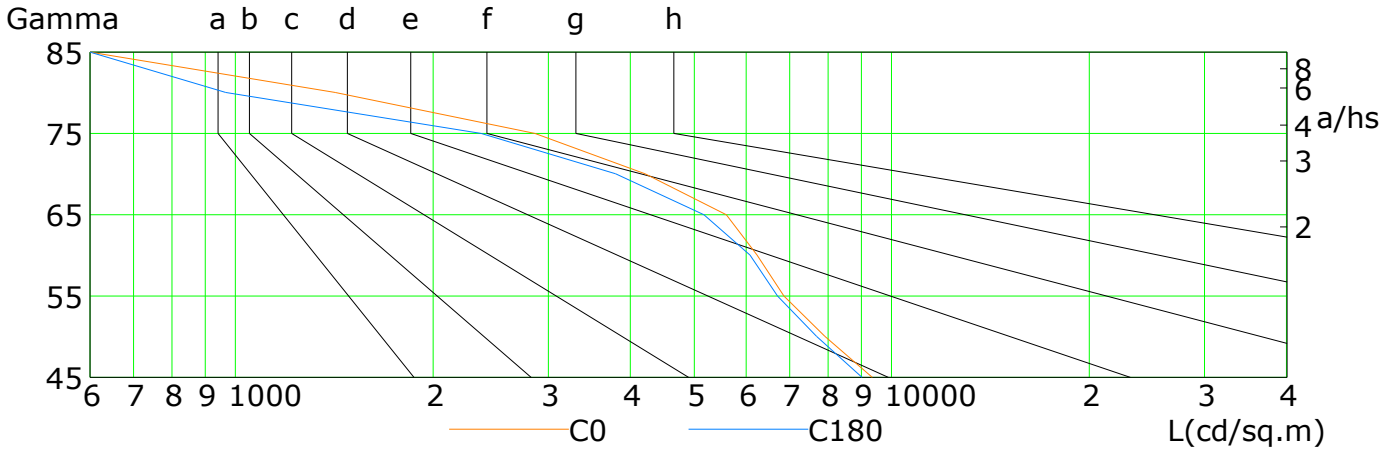
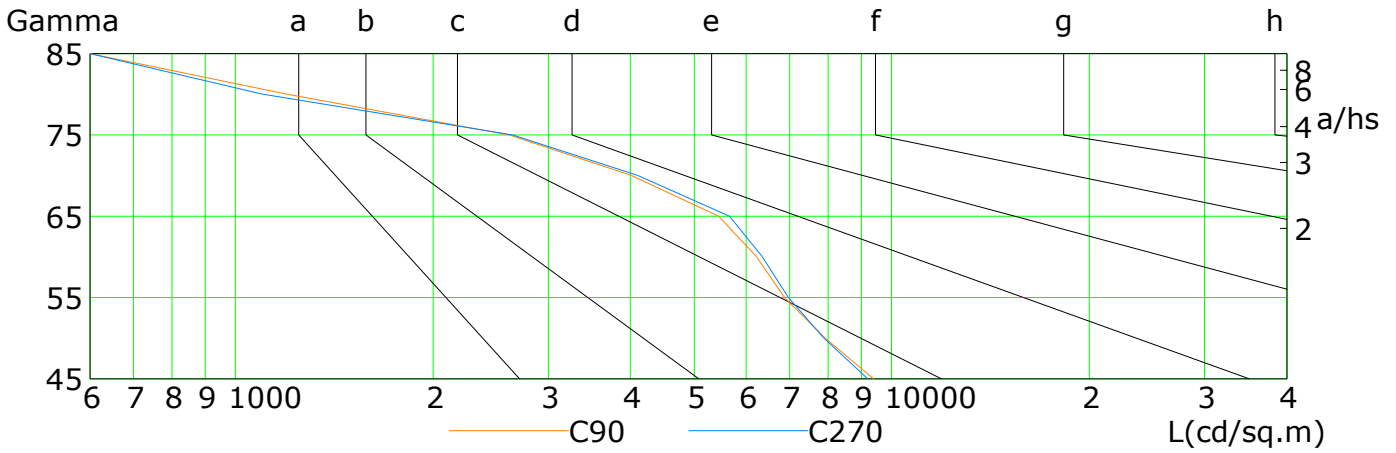
C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 26
 Operator: Jacky

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

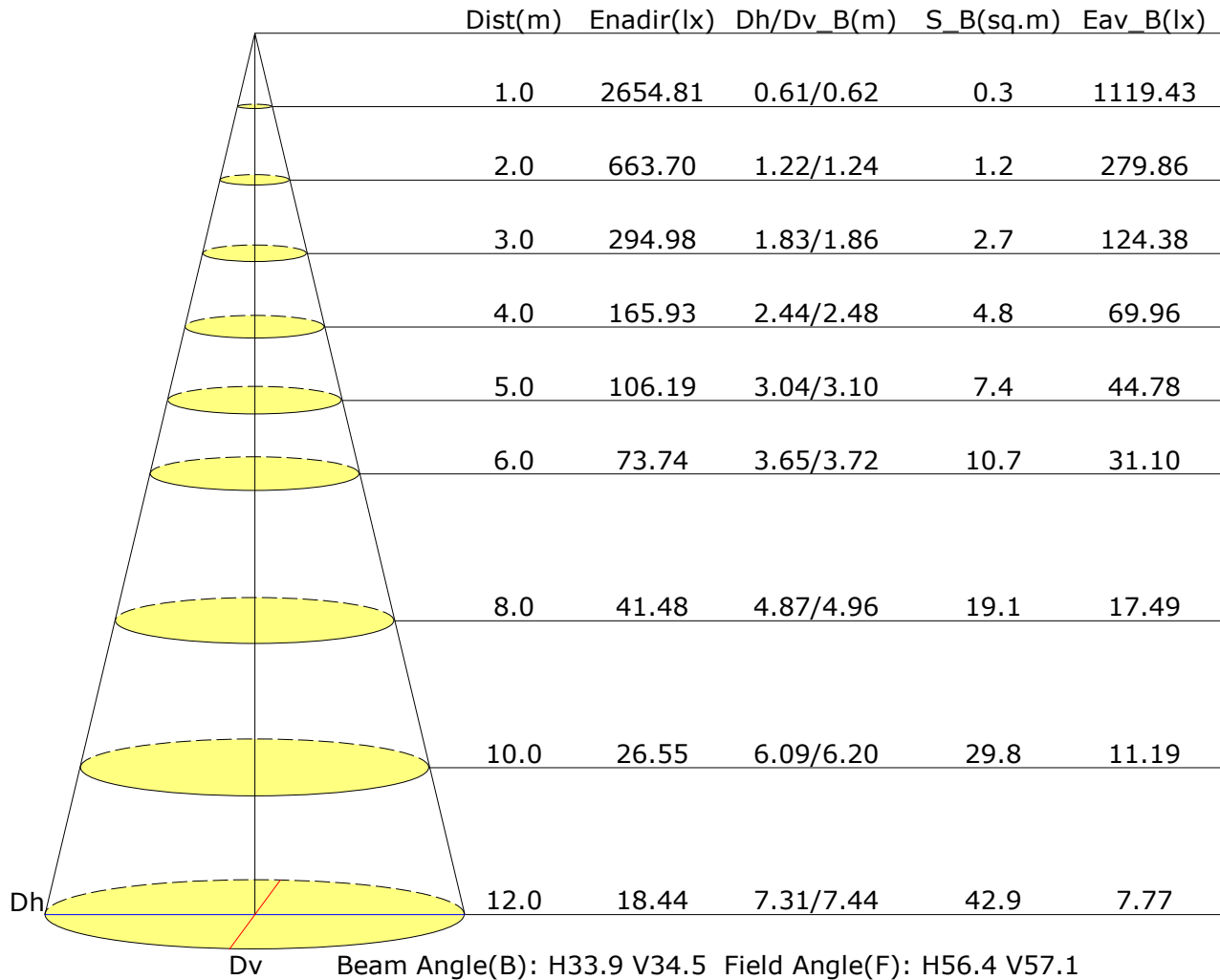


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	9344	7914	6858	6242	5596	4214	2861	1421	0
C90	9376	7921	6876	6216	5447	4007	2618	1195	0
C180	9007	7692	6705	6081	5179	3794	2370	966	0
C270	9194	7872	6959	6343	5658	4102	2645	1097	0

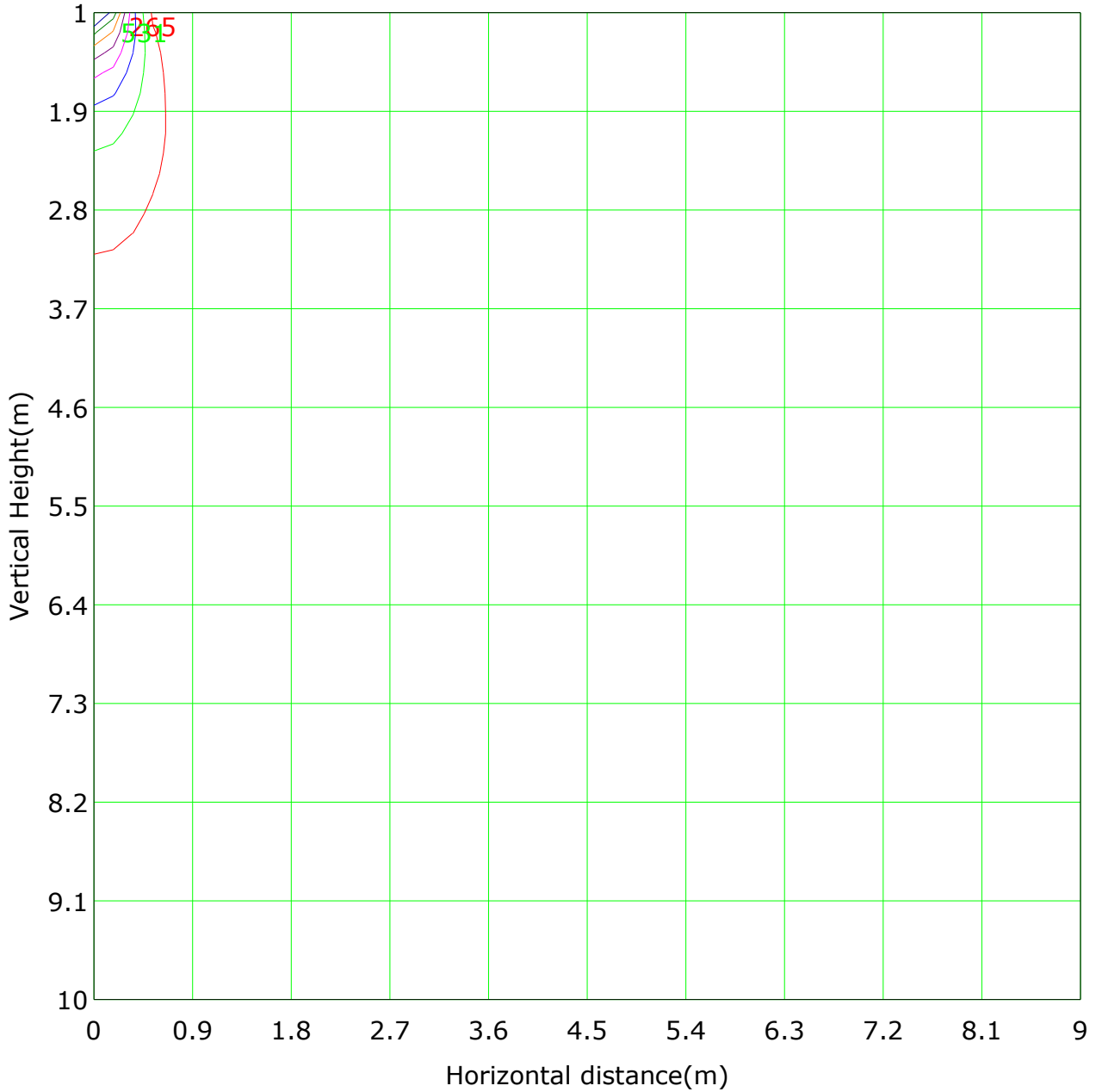
C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature: 26
Operator: Jacky

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

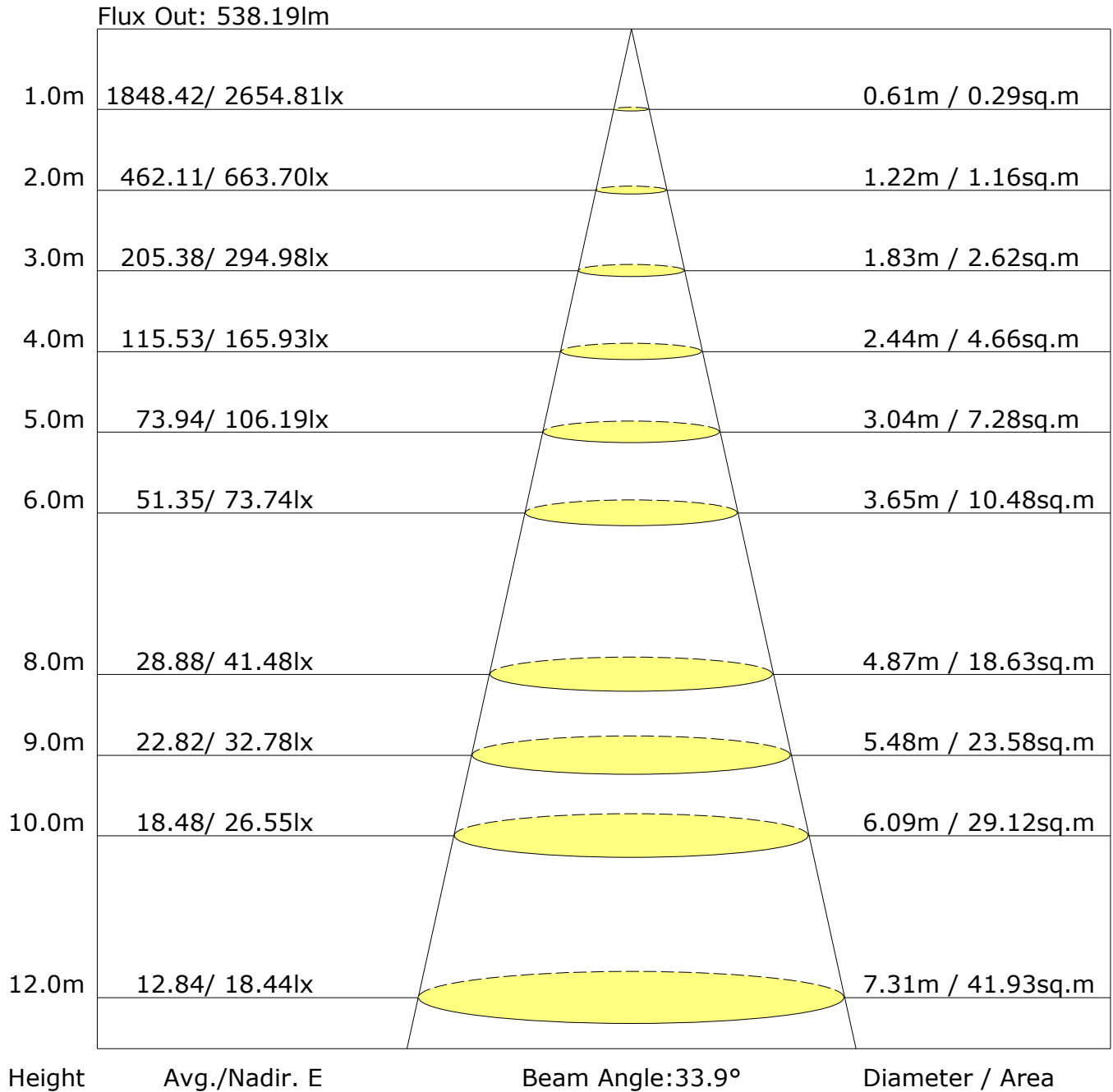


Lowest(m): 1.0m		Highest(m): 10.0m		Max Lux: 2654.8 lx	
— (10%): 265.5 lx	— (20%): 531.0 lx	— (30%): 796.4 lx	— (40%): 1061.9 lx	— (50%): 1327.4 lx	— (60%): 1592.9 lx
— (70%): 1858.4 lx	— (80%): 2123.8 lx				

C Plane (°): 0.0-360.0: 90.0
Test Lab:
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:

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	13.9	14.6	14.2	14.9	15.1	13.9	14.6	14.1	14.8	15.0
3H	14.6	15.3	14.9	15.5	15.8	14.6	15.2	14.9	15.5	15.7
4H	14.8	15.4	15.1	15.7	15.9	14.7	15.3	15.0	15.6	15.9
6H	14.8	15.3	15.1	15.6	16.0	14.7	15.3	15.0	15.5	15.9
8H	14.7	15.3	15.1	15.6	15.9	14.6	15.2	15.0	15.5	15.8
12H	14.7	15.2	15.1	15.6	15.9	14.6	15.1	15.0	15.5	15.8
X=4H Y=2H	14.3	14.9	14.6	15.2	15.4	14.2	14.9	14.6	15.1	15.4
3H	15.1	15.6	15.4	15.9	16.3	15.0	15.6	15.4	15.9	16.2
4H	15.3	15.7	15.6	16.1	16.5	15.2	15.7	15.6	16.0	16.4
6H	15.3	15.7	15.7	16.1	16.5	15.2	15.6	15.6	16.0	16.4
8H	15.2	15.6	15.7	16.0	16.5	15.1	15.5	15.6	15.9	16.4
12H	15.2	15.6	15.7	16.0	16.4	15.1	15.5	15.6	15.9	16.3
X=8H Y=4H	15.3	15.6	15.7	16.1	16.5	15.2	15.6	15.6	16.0	16.4
6H	15.3	15.6	15.8	16.0	16.5	15.2	15.5	15.7	15.9	16.4
8H	15.3	15.5	15.8	16.0	16.5	15.2	15.4	15.6	15.9	16.4
12H	15.2	15.5	15.7	16.0	16.5	15.1	15.4	15.6	15.8	16.4
X=12H Y=4H	15.2	15.6	15.7	16.0	16.4	15.1	15.5	15.6	15.9	16.4
6H	15.2	15.5	15.7	16.0	16.5	15.2	15.4	15.6	15.9	16.4
8H	15.2	15.5	15.7	16.0	16.5	15.1	15.4	15.6	15.9	16.4
Variations with the observer position at spacings:										
S=1.0H	+1.2/-0.9					+1.2/-0.9				
S=1.5H	+2.6/-1.4					+2.5/-1.3				
S=2.0H	+3.9/-2.2					+3.7/-2.2				

Calculate in accordance with CIE Pub.117. The table is revised with 1045lm ($8\log(F/F_0) = 0.2$).

C Plane (°):0.0-360.0: 90.0
Test Lab:
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

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	2659.4	2.5	2.5	0.24	0.24
1.0-2.0	2658.3	7.6	10.2	0.73	0.97
2.0-3.0	2639.5	12.6	22.8	1.21	2.18
3.0-4.0	2610.6	17.5	40.3	1.67	3.85
4.0-5.0	2574.2	22.1	62.4	2.12	5.97
5.0-6.0	2528.9	26.6	89.0	2.54	8.52
6.0-7.0	2470.2	30.7	119.7	2.93	11.45
7.0-8.0	2397.1	34.3	154.0	3.28	14.73
8.0-9.0	2310.0	37.4	191.4	3.58	18.32
9.0-10.0	2210.3	40.0	231.4	3.83	22.15
10.0-11.0	2105.4	42.1	273.5	4.03	26.17
11.0-12.0	1994.7	43.6	317.1	4.17	30.35
12.0-13.0	1879.5	44.6	361.7	4.27	34.61
13.0-14.0	1766.3	45.2	406.9	4.33	38.94
14.0-15.0	1652.3	45.4	452.3	4.34	43.28
15.0-16.0	1533.9	45.0	497.3	4.30	47.58
16.0-17.0	1411.3	44.0	541.2	4.21	51.79
17.0-18.0	1281.8	42.3	583.5	4.04	55.83
18.0-19.0	1151.3	40.1	623.5	3.83	59.67
19.0-20.0	1022.3	37.4	661.0	3.58	63.25
20.0-21.0	895.3	34.4	695.3	3.29	66.54
21.0-22.0	780.0	31.3	726.7	3.00	69.54
22.0-23.0	676.7	28.4	755.1	2.72	72.26
23.0-24.0	582.3	25.5	780.6	2.44	74.69
24.0-25.0	498.7	22.7	803.2	2.17	76.86
25.0-26.0	426.9	20.2	823.4	1.93	78.79
26.0-27.0	363.3	17.8	841.2	1.70	80.49
27.0-28.0	308.0	15.6	856.8	1.49	81.99
28.0-29.0	261.7	13.7	870.5	1.31	83.30
29.0-30.0	221.4	12.0	882.4	1.14	84.44
30.0-31.0	187.8	10.5	892.9	1.00	85.44
31.0-32.0	161.4	9.2	902.1	0.88	86.33
32.0-33.0	140.4	8.3	910.4	0.79	87.12
33.0-34.0	123.4	7.5	917.9	0.71	87.83
34.0-35.0	109.5	6.8	924.7	0.65	88.48
35.0-36.0	97.9	6.2	930.9	0.60	89.08

C Plane (°):0.0-360.0: 90.0
Test Lab:
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	88.2	5.8	936.6	0.55	89.63
37.0-38.0	80.0	5.3	942.0	0.51	90.14
38.0-39.0	73.0	5.0	947.0	0.48	90.62
39.0-40.0	67.0	4.7	951.6	0.45	91.06
40.0-41.0	61.8	4.4	956.0	0.42	91.49
41.0-42.0	57.5	4.2	960.2	0.40	91.89
42.0-43.0	53.8	4.0	964.2	0.38	92.27
43.0-44.0	50.6	3.8	968.0	0.37	92.63
44.0-45.0	47.6	3.7	971.7	0.35	92.98
45.0-46.0	45.1	3.5	975.2	0.34	93.32
46.0-47.0	42.7	3.4	978.6	0.33	93.65
47.0-48.0	40.5	3.3	981.9	0.31	93.96
48.0-49.0	38.5	3.2	985.1	0.30	94.26
49.0-50.0	36.7	3.1	988.1	0.29	94.55
50.0-51.0	34.9	3.0	991.1	0.28	94.84
51.0-52.0	33.2	2.8	993.9	0.27	95.11
52.0-53.0	31.5	2.7	996.7	0.26	95.37
53.0-54.0	30.0	2.6	999.3	0.25	95.63
54.0-55.0	28.6	2.6	1001.9	0.24	95.87
55.0-56.0	27.2	2.5	1004.3	0.24	96.10
56.0-57.0	26.0	2.4	1006.7	0.23	96.33
57.0-58.0	24.8	2.3	1009.0	0.22	96.55
58.0-59.0	23.6	2.2	1011.2	0.21	96.76
59.0-60.0	22.6	2.1	1013.3	0.20	96.97
60.0-61.0	21.5	2.1	1015.4	0.20	97.16
61.0-62.0	20.5	2.0	1017.4	0.19	97.35
62.0-63.0	19.4	1.9	1019.2	0.18	97.53
63.0-64.0	18.3	1.8	1021.0	0.17	97.70
64.0-65.0	17.1	1.7	1022.7	0.16	97.87
65.0-66.0	15.6	1.6	1024.3	0.15	98.02
66.0-67.0	14.2	1.4	1025.7	0.14	98.15
67.0-68.0	12.8	1.3	1027.0	0.12	98.28
68.0-69.0	11.6	1.2	1028.2	0.11	98.39
69.0-70.0	10.4	1.1	1029.2	0.10	98.49
70.0-71.0	9.2	1.0	1030.2	0.09	98.58
71.0-72.0	8.2	0.9	1031.1	0.08	98.66

C Plane (°):0.0-360.0: 90.0
Test Lab:
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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	7.2	0.8	1031.8	0.07	98.74
73.0-74.0	6.2	0.7	1032.5	0.06	98.80
74.0-75.0	5.3	0.6	1033.0	0.05	98.85
75.0-76.0	4.3	0.5	1033.5	0.04	98.90
76.0-77.0	3.5	0.4	1033.9	0.04	98.93
77.0-78.0	2.8	0.3	1034.1	0.03	98.96
78.0-79.0	2.1	0.2	1034.4	0.02	98.98
79.0-80.0	1.7	0.2	1034.6	0.02	99.00
80.0-81.0	1.3	0.1	1034.7	0.01	99.01
81.0-82.0	1.0	0.1	1034.8	0.01	99.02
82.0-83.0	0.7	0.1	1034.9	0.01	99.03
83.0-84.0	0.4	0.0	1034.9	0.00	99.03
84.0-85.0	0.1	0.0	1034.9	0.00	99.03
85.0-86.0	0.0	0.0	1034.9	0.00	99.03
86.0-87.0	0.0	0.0	1034.9	0.00	99.03
87.0-88.0	0.0	0.0	1034.9	0.00	99.03
88.0-89.0	0.0	0.0	1034.9	0.00	99.03
89.0-90.0	0.0	0.0	1034.9	0.00	99.03
90.0-91.0	0.0	0.0	1034.9	0.00	99.03
91.0-92.0	0.0	0.0	1034.9	0.00	99.03
92.0-93.0	0.0	0.0	1034.9	0.00	99.03
93.0-94.0	0.0	0.0	1034.9	0.00	99.03
94.0-95.0	0.0	0.0	1034.9	0.00	99.03
95.0-96.0	0.0	0.0	1034.9	0.00	99.03
96.0-97.0	0.0	0.0	1034.9	0.00	99.03
97.0-98.0	0.0	0.0	1034.9	0.00	99.03
98.0-99.0	0.0	0.0	1034.9	0.00	99.03
99.0-100.0	0.0	0.0	1034.9	0.00	99.03
100.0-101.0	0.0	0.0	1034.9	0.00	99.03
101.0-102.0	0.0	0.0	1034.9	0.00	99.03
102.0-103.0	0.0	0.0	1034.9	0.00	99.03
103.0-104.0	0.0	0.0	1034.9	0.00	99.03
104.0-105.0	0.0	0.0	1034.9	0.00	99.03
105.0-106.0	0.0	0.0	1034.9	0.00	99.03
106.0-107.0	0.0	0.0	1034.9	0.00	99.03
107.0-108.0	0.0	0.0	1034.9	0.00	99.03

C Plane (°):0.0-360.0: 90.0
Test Lab:
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	1034.9	0.00	99.03
109.0-110.0	0.0	0.0	1034.9	0.00	99.03
110.0-111.0	0.0	0.0	1034.9	0.00	99.03
111.0-112.0	0.0	0.0	1034.9	0.00	99.03
112.0-113.0	0.0	0.0	1034.9	0.00	99.03
113.0-114.0	0.0	0.0	1034.9	0.00	99.03
114.0-115.0	0.0	0.0	1034.9	0.00	99.03
115.0-116.0	0.0	0.0	1034.9	0.00	99.03
116.0-117.0	0.0	0.0	1034.9	0.00	99.03
117.0-118.0	0.0	0.0	1034.9	0.00	99.03
118.0-119.0	0.0	0.0	1034.9	0.00	99.03
119.0-120.0	0.0	0.0	1034.9	0.00	99.03
120.0-121.0	0.0	0.0	1034.9	0.00	99.03
121.0-122.0	0.0	0.0	1034.9	0.00	99.03
122.0-123.0	0.0	0.0	1034.9	0.00	99.03
123.0-124.0	0.0	0.0	1034.9	0.00	99.03
124.0-125.0	0.0	0.0	1034.9	0.00	99.03
125.0-126.0	0.1	0.0	1034.9	0.00	99.04
126.0-127.0	0.4	0.0	1035.0	0.00	99.04
127.0-128.0	0.6	0.1	1035.0	0.01	99.04
128.0-129.0	0.8	0.1	1035.1	0.01	99.05
129.0-130.0	1.0	0.1	1035.2	0.01	99.06
130.0-131.0	1.1	0.1	1035.3	0.01	99.07
131.0-132.0	1.3	0.1	1035.4	0.01	99.08
132.0-133.0	1.5	0.1	1035.5	0.01	99.09
133.0-134.0	1.7	0.1	1035.6	0.01	99.10
134.0-135.0	1.9	0.1	1035.8	0.01	99.11
135.0-136.0	2.1	0.2	1035.9	0.02	99.13
136.0-137.0	2.3	0.2	1036.1	0.02	99.15
137.0-138.0	2.5	0.2	1036.3	0.02	99.16
138.0-139.0	2.8	0.2	1036.5	0.02	99.18
139.0-140.0	3.0	0.2	1036.7	0.02	99.20
140.0-141.0	3.3	0.2	1036.9	0.02	99.23
141.0-142.0	3.5	0.2	1037.2	0.02	99.25
142.0-143.0	3.8	0.3	1037.4	0.02	99.27
143.0-144.0	4.1	0.3	1037.7	0.03	99.30

C Plane (°):0.0-360.0: 90.0
Test Lab:
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	4.3	0.3	1038.0	0.03	99.33
145.0-146.0	4.6	0.3	1038.3	0.03	99.35
146.0-147.0	4.8	0.3	1038.6	0.03	99.38
147.0-148.0	5.1	0.3	1038.9	0.03	99.41
148.0-149.0	5.3	0.3	1039.2	0.03	99.44
149.0-150.0	5.6	0.3	1039.5	0.03	99.47
150.0-151.0	5.8	0.3	1039.8	0.03	99.50
151.0-152.0	6.0	0.3	1040.1	0.03	99.53
152.0-153.0	6.2	0.3	1040.4	0.03	99.56
153.0-154.0	6.3	0.3	1040.7	0.03	99.59
154.0-155.0	6.5	0.3	1041.0	0.03	99.62
155.0-156.0	6.6	0.3	1041.3	0.03	99.65
156.0-157.0	6.8	0.3	1041.6	0.03	99.67
157.0-158.0	6.9	0.3	1041.9	0.03	99.70
158.0-159.0	6.9	0.3	1042.2	0.03	99.73
159.0-160.0	7.0	0.3	1042.5	0.03	99.75
160.0-161.0	7.0	0.3	1042.7	0.02	99.78
161.0-162.0	7.1	0.2	1043.0	0.02	99.80
162.0-163.0	7.0	0.2	1043.2	0.02	99.82
163.0-164.0	7.0	0.2	1043.4	0.02	99.85
164.0-165.0	7.0	0.2	1043.6	0.02	99.87
165.0-166.0	6.9	0.2	1043.8	0.02	99.88
166.0-167.0	6.8	0.2	1044.0	0.02	99.90
167.0-168.0	6.8	0.2	1044.1	0.02	99.92
168.0-169.0	6.7	0.1	1044.3	0.01	99.93
169.0-170.0	6.6	0.1	1044.4	0.01	99.94
170.0-171.0	6.5	0.1	1044.5	0.01	99.95
171.0-172.0	6.4	0.1	1044.6	0.01	99.96
172.0-173.0	6.4	0.1	1044.7	0.01	99.97
173.0-174.0	6.3	0.1	1044.8	0.01	99.98
174.0-175.0	6.2	0.1	1044.9	0.01	99.99
175.0-176.0	6.2	0.1	1044.9	0.01	99.99
176.0-177.0	6.1	0.0	1045.0	0.00	99.99
177.0-178.0	6.2	0.0	1045.0	0.00	100.00
178.0-179.0	6.1	0.0	1045.0	0.00	100.00
179.0-180.0	6.1	0.0	1045.0	0.00	100.00

C Plane (°):0.0-360.0: 90.0
Test Lab:
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°): 971.70 lm

%lum = 93.0%

%lamp = 93.0%

cone flux(120°): 1013.33 lm

%lum = 97.0%

%lamp = 97.0%

Candlepower Table

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G0.0	2654.8	2654.8	2654.8	2654.8	2654.8					
G1.0	2654.0	2656.5	2673.6	2671.8	2654.0					
G2.0	2640.8	2637.3	2667.3	2665.6	2640.8					
G3.0	2603.2	2612.2	2646.5	2643.5	2603.2					
G4.0	2558.6	2578.2	2630.5	2612.2	2558.6					
G5.0	2503.4	2537.6	2596.3	2577.1	2503.4					
G6.0	2442.9	2492.9	2548.6	2532.3	2442.9					
G7.0	2370.7	2417.3	2483.5	2473.1	2370.7					
G8.0	2287.6	2341.9	2402.3	2400.4	2287.6					
G9.0	2186.9	2253.5	2300.6	2306.4	2186.9					
G10.0	2086.8	2147.8	2195.7	2204.7	2086.8					
G11.0	1972.4	2048.1	2086.4	2101.7	1972.4					
G12.0	1865.7	1938.7	1959.7	1984.8	1865.7					
G13.0	1760.0	1816.4	1840.3	1870.6	1760.0					
G14.0	1657.0	1703.8	1721.9	1760.0	1657.0					
G15.0	1555.6	1590.0	1590.8	1639.0	1555.6					
G16.0	1435.7	1471.0	1466.4	1523.0	1435.7					
G17.0	1322.6	1334.2	1335.5	1401.9	1322.6					
G18.0	1200.6	1204.9	1191.9	1262.4	1200.6					
G19.0	1076.3	1078.9	1060.3	1134.9	1076.3					
G20.0	942.6	955.5	922.0	1008.0	942.6					
G21.0	827.9	829.8	803.9	872.7	827.9					
G22.0	723.3	724.6	697.4	760.6	723.3					
G23.0	620.3	628.7	601.2	657.9	620.3					
G24.0	537.9	542.6	508.5	561.0	537.9					
G25.0	464.0	459.4	434.7	481.8	464.0					
G26.0	398.8	394.5	370.6	411.6	398.8					
G27.0	335.7	337.0	312.0	346.3	335.7					
G28.0	284.8	286.3	266.2	295.6	284.8					
G29.0	241.0	242.5	226.4	250.4	241.0					
G30.0	205.9	206.4	192.4	206.6	205.9					
G31.0	178.4	175.4	162.6	174.9	178.4					
G32.0	154.6	153.6	141.4	150.2	154.6					
G33.0	136.6	133.8	124.3	128.9	136.6					
G34.0	121.5	119.0	109.0	113.9	121.5					
G35.0	107.4	106.5	97.5	101.4	107.4					
G36.0	96.6	94.8	88.0	91.2	96.6					

C Plane (°):0.0-360.0: 90.0
Test Lab:
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	87.3	85.9	79.9	81.7	87.3					
G38.0	79.4	78.2	72.5	74.8	79.4					
G39.0	72.1	71.6	66.9	68.8	72.1					
G40.0	66.3	65.5	61.4	63.1	66.3					
G41.0	61.3	60.8	57.4	58.8	61.3					
G42.0	56.6	56.6	53.8	55.0	56.6					
G43.0	53.0	53.1	50.5	51.8	53.0					
G44.0	49.9	49.8	47.7	48.7	49.9					
G45.0	46.8	47.0	45.1	46.1	46.8					
G46.0	44.4	44.5	42.7	43.8	44.4					
G47.0	42.2	42.0	40.7	41.5	42.2					
G48.0	39.8	39.9	38.8	39.5	39.8					
G49.0	37.9	37.9	36.8	37.7	37.9					
G50.0	36.1	36.1	35.0	35.9	36.1					
G51.0	34.3	34.2	33.4	34.2	34.3					
G52.0	32.5	32.5	31.7	32.5	32.5					
G53.0	30.9	31.0	30.2	30.9	30.9					
G54.0	29.5	29.5	28.7	29.6	29.5					
G55.0	27.9	28.0	27.3	28.3	27.9					
G56.0	26.6	26.7	26.0	26.9	26.6					
G57.0	25.5	25.5	24.9	25.8	25.5					
G58.0	24.2	24.1	23.8	24.7	24.2					
G59.0	23.1	23.0	22.6	23.6	23.1					
G60.0	22.1	22.0	21.6	22.5	22.1					
G61.0	21.0	21.0	20.6	21.5	21.0					
G62.0	20.0	19.8	19.4	20.5	20.0					
G63.0	19.0	18.7	18.3	19.3	19.0					
G64.0	17.9	17.7	17.2	18.2	17.9					
G65.0	16.8	16.3	15.5	16.9	16.8					
G66.0	15.5	14.8	14.1	15.2	15.5					
G67.0	13.9	13.3	12.8	13.7	13.9					
G68.0	12.6	12.1	11.5	12.5	12.6					
G69.0	11.3	10.8	10.3	11.2	11.3					
G70.0	10.2	9.7	9.2	9.9	10.2					
G71.0	9.2	8.6	8.2	8.8	9.2					
G72.0	8.1	7.6	7.1	7.9	8.1					
G73.0	7.2	6.6	6.1	6.8	7.2					

C Plane (°):0.0-360.0: 90.0
Test Lab:
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	6.2	5.7	5.3	5.8	6.2					
G75.0	5.2	4.8	4.3	4.9	5.2					
G76.0	4.3	3.9	3.3	4.0	4.3					
G77.0	3.6	3.1	2.6	3.0	3.6					
G78.0	2.9	2.4	2.1	2.3	2.9					
G79.0	2.3	1.9	1.6	1.8	2.3					
G80.0	1.7	1.5	1.2	1.4	1.7					
G81.0	1.3	1.2	1.0	1.1	1.3					
G82.0	1.1	1.0	0.7	0.9	1.1					
G83.0	0.8	0.7	0.0	0.6	0.8					
G84.0	0.6	0.0	0.0	0.0	0.6					
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:
 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	0.6	0.0	0.6	0.0					
G127.0	0.0	0.7	0.6	0.7	0.0					
G128.0	0.7	0.9	0.7	0.7	0.7					
G129.0	0.8	1.0	0.8	0.9	0.8					
G130.0	1.0	1.1	1.0	1.0	1.0					
G131.0	1.1	1.4	1.1	1.2	1.1					
G132.0	1.3	1.6	1.2	1.4	1.3					
G133.0	1.5	1.8	1.4	1.5	1.5					
G134.0	1.7	2.0	1.6	1.6	1.7					
G135.0	2.0	2.2	1.8	1.9	2.0					
G136.0	2.3	2.4	2.0	2.0	2.3					
G137.0	2.5	2.8	2.2	2.2	2.5					
G138.0	2.8	3.1	2.4	2.4	2.8					
G139.0	3.1	3.3	2.6	2.6	3.1					
G140.0	3.4	3.6	2.8	2.8	3.4					
G141.0	3.7	3.9	3.0	3.1	3.7					
G142.0	4.0	4.2	3.2	3.3	4.0					
G143.0	4.3	4.5	3.4	3.5	4.3					
G144.0	4.6	4.8	3.7	3.7	4.6					
G145.0	4.9	5.1	3.9	3.9	4.9					
G146.0	5.2	5.4	4.1	4.1	5.2					
G147.0	5.5	5.7	4.3	4.3	5.5					

C Plane (°):0.0-360.0: 90.0
 Test Lab:
 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	5.8	6.0	4.5	4.5	5.8					
G149.0	6.1	6.3	4.7	4.7	6.1					
G150.0	6.4	6.6	4.9	4.9	6.4					
G151.0	6.7	6.8	5.1	5.1	6.7					
G152.0	6.9	6.9	5.2	5.3	6.9					
G153.0	7.1	7.2	5.4	5.4	7.1					
G154.0	7.3	7.4	5.5	5.5	7.3					
G155.0	7.4	7.6	5.6	5.7	7.4					
G156.0	7.6	7.7	5.8	5.8	7.6					
G157.0	7.7	7.8	5.9	5.9	7.7					
G158.0	7.8	7.9	5.9	5.9	7.8					
G159.0	7.8	8.0	6.0	6.0	7.8					
G160.0	8.0	8.0	6.1	6.1	8.0					
G161.0	8.0	8.0	6.1	6.1	8.0					
G162.0	8.0	8.0	6.1	6.1	8.0					
G163.0	7.9	8.0	6.1	6.2	7.9					
G164.0	7.8	7.9	6.1	6.1	7.8					
G165.0	7.8	7.9	6.1	6.1	7.8					
G166.0	7.7	7.7	6.1	6.0	7.7					
G167.0	7.5	7.6	6.0	6.0	7.5					
G168.0	7.4	7.5	6.0	6.0	7.4					
G169.0	7.3	7.3	5.9	5.9	7.3					
G170.0	7.2	7.2	5.9	5.9	7.2					
G171.0	7.0	7.1	5.9	5.9	7.0					
G172.0	6.9	7.0	5.9	5.9	6.9					
G173.0	6.8	6.8	5.9	5.9	6.8					
G174.0	6.7	6.7	5.9	5.9	6.7					
G175.0	6.6	6.6	5.9	5.9	6.6					
G176.0	6.4	6.4	5.9	5.8	6.4					
G177.0	6.4	6.3	6.0	5.9	6.4					
G178.0	6.3	6.3	6.0	6.0	6.3					
G179.0	6.2	6.2	6.0	6.0	6.2					
G180.0	6.1	6.2	6.0	6.2	6.1					

C Plane (°):0.0-360.0: 90.0
 Test Lab:
 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	5387.72
L 0-180(75) av	2615.53
L 0-180(85) av	0.00
L 90-270(65) av	5552.62
L 90-270(75) av	2631.39
L 90-270(85) av	0.00
L 45(65) av	5470.17
L 45(75) av	2623.46
L 45(85) av	0.00

Standard: GB/T 29293-2012