

Report No.: TH-4111A

Test Time: 2023/3/9 17:38

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Luminaire Description: UN-DC24-4040RGB-60-12.5-W12-T3045-UD-红色

Lamp Catalog:

Lamp Description:

Number of Lamps:

Lumens per Lamp:

Luminous Length (mm): 1000

Luminous Width (mm): 16

Luminous Height (mm):

Voltage: 24.0 V

Current: 0.153 A

Power: 3.67 W

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 72.5 lm

Measurement Flux: 72.5 lm

Efficiency: 100%

Downward Ratio: 98%

Upward Ratio: 2%

Horizontal Diffuse Angle(50%): H64.8

Vertical Diffuse Angle(50%): V52.3

Luminaire Efficacy Rating (LER): 19.80

C0r0 Intensity: 56.18 cd

Max. Intensity: 56.36 cd

Pos of Max. Intensity: H180 V2

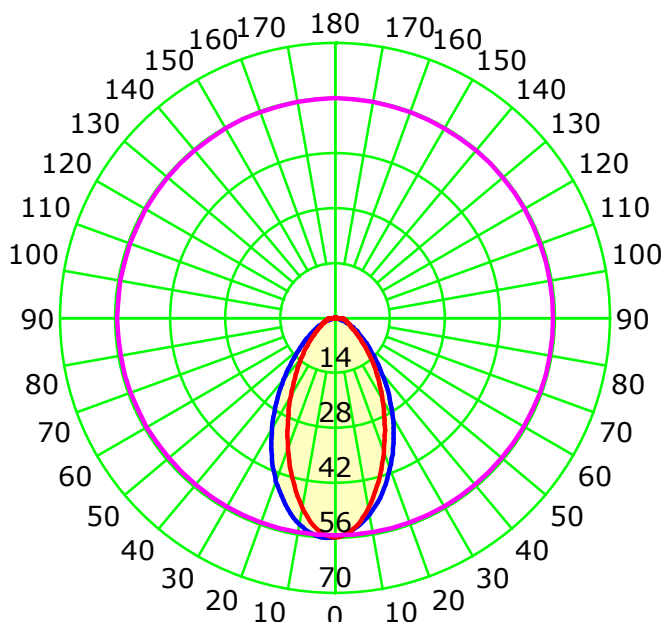
S/MH(C0/C180): 0.92

S/MH(C90/C270): 0.77

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 58.5°

— C0-C180 — C90-C270 — G2

C Plane (°):0.0-360.0: 90.0

Gamma Plane (°):0.0-180.0:1.0

Test Lab: Inventfine instrument

Test Device: GPM-1800B

Test Type: TYPE C

Distance: 8.607 m [K=1.0000]

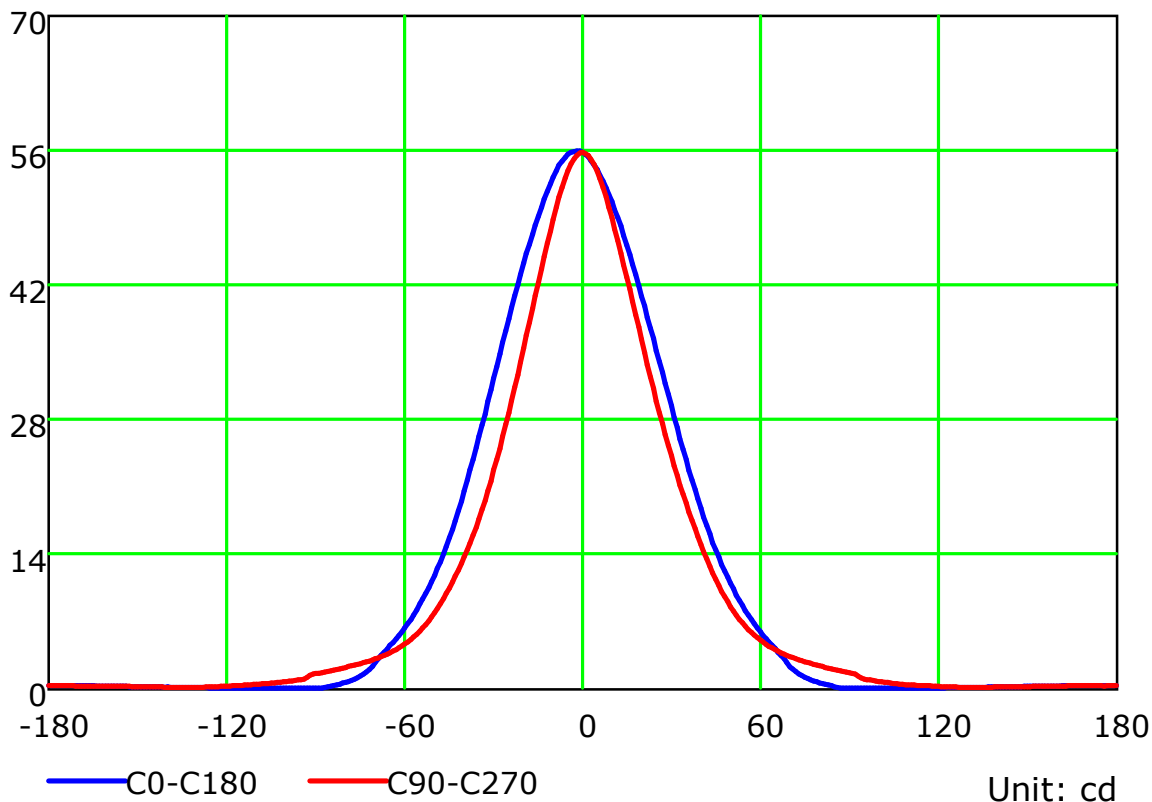
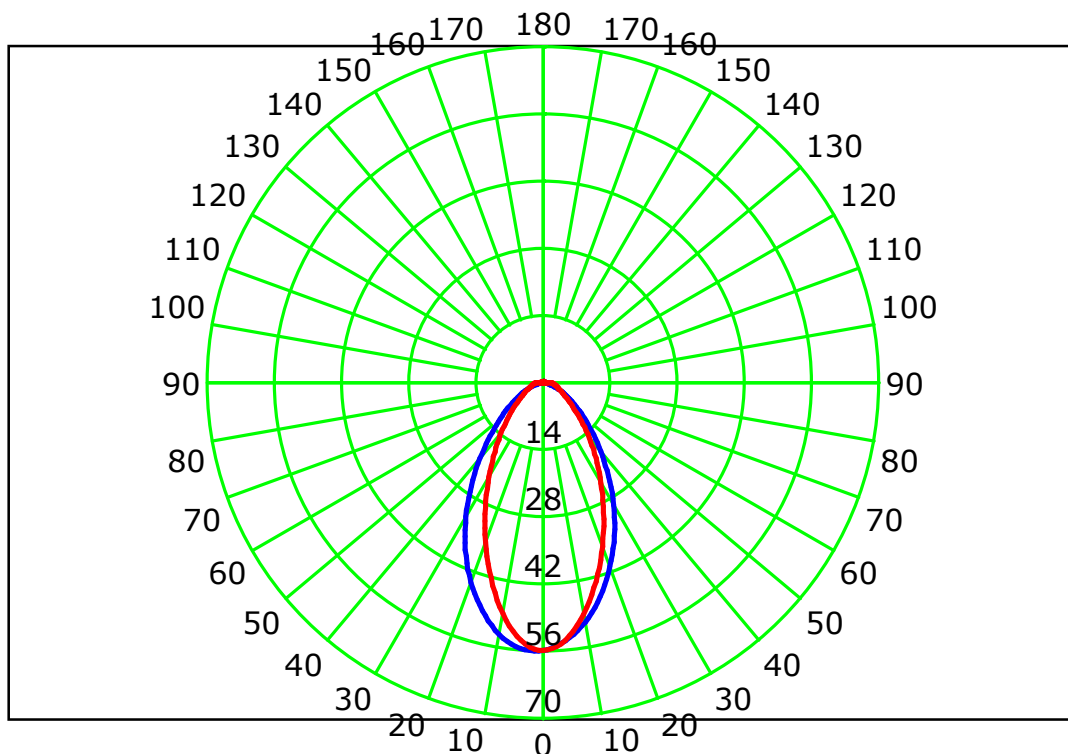
Temperature: 26

Humidity: 65

Operator: Jacky

Inspector:

Luminous Intensity Distribution Curve



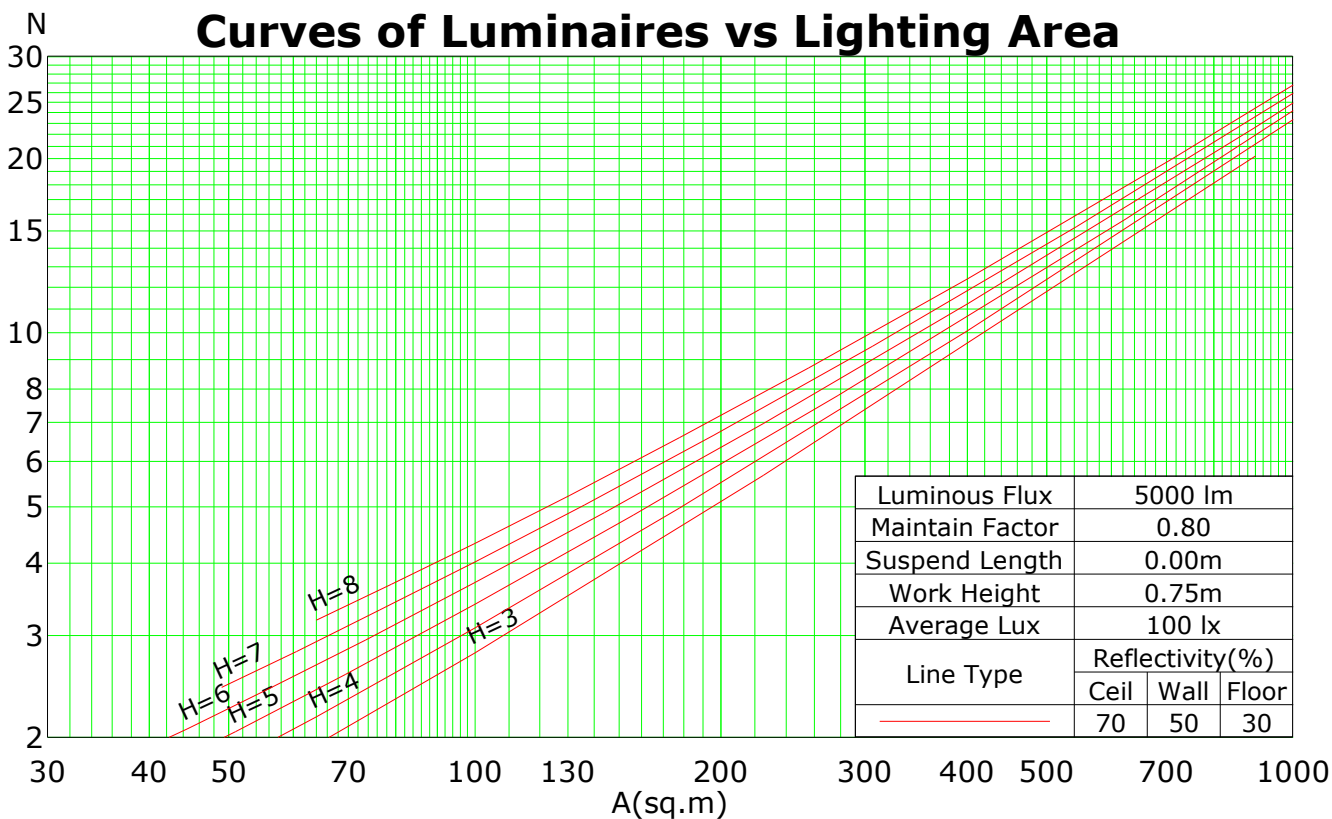
C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.607 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	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	0.98
1	1.10	1.06	1.03	1.00	1.08	1.04	1.01	0.98	1.00	0.97	0.95	0.95	0.93	0.91	0.91	0.90	0.88	0.86
2	1.03	0.96	0.90	0.86	1.00	0.94	0.89	0.85	0.90	0.86	0.82	0.87	0.83	0.80	0.83	0.81	0.78	0.76
3	0.95	0.87	0.80	0.75	0.93	0.85	0.79	0.74	0.82	0.77	0.72	0.79	0.75	0.71	0.76	0.73	0.70	0.68
4	0.89	0.79	0.72	0.66	0.87	0.78	0.71	0.66	0.75	0.69	0.65	0.73	0.68	0.64	0.70	0.66	0.63	0.61
5	0.83	0.72	0.65	0.59	0.81	0.71	0.64	0.59	0.69	0.63	0.58	0.67	0.61	0.57	0.65	0.60	0.57	0.55
6	0.78	0.66	0.59	0.53	0.76	0.65	0.58	0.53	0.64	0.57	0.53	0.62	0.56	0.52	0.60	0.55	0.51	0.50
7	0.73	0.61	0.54	0.49	0.71	0.61	0.53	0.48	0.59	0.53	0.48	0.57	0.52	0.48	0.56	0.51	0.47	0.45
8	0.69	0.57	0.50	0.45	0.67	0.56	0.49	0.44	0.55	0.49	0.44	0.54	0.48	0.44	0.52	0.47	0.43	0.42
9	0.65	0.53	0.46	0.41	0.63	0.53	0.46	0.41	0.51	0.45	0.41	0.50	0.45	0.40	0.49	0.44	0.40	0.39
10	0.61	0.50	0.43	0.38	0.60	0.49	0.43	0.38	0.48	0.42	0.38	0.47	0.42	0.38	0.46	0.41	0.37	0.36

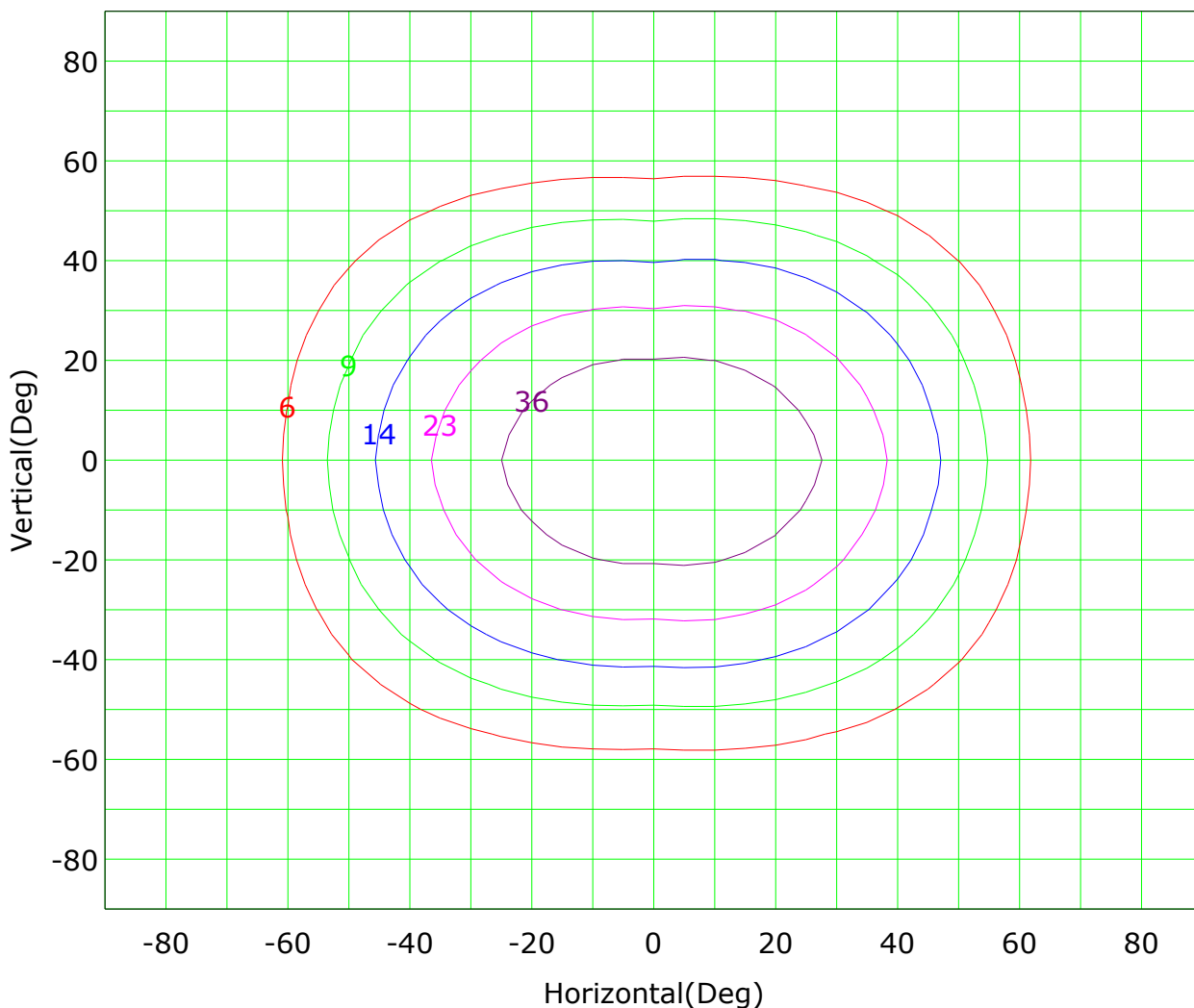
Spacing Criteria (0-180): 0.92
 Spacing Criteria (90-270): 0.77
 Spacing Criteria (Diagonal): 0.92



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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.607 m [K=1.0000]
 Humidity: 65
 Inspector:

Isocandela (rectangle)



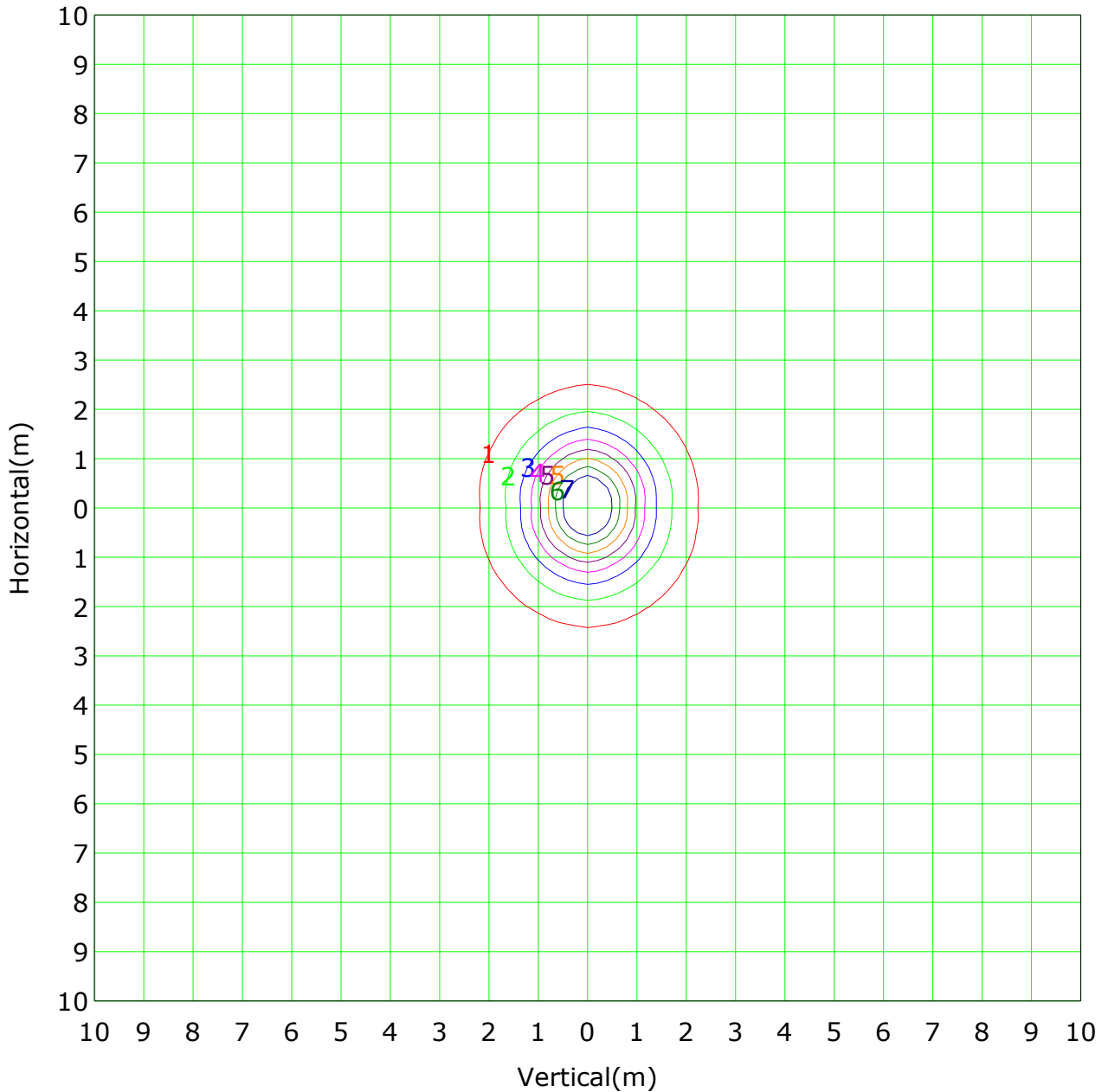
Imax (100%): 56 cd

— (10%):	6 cd	— (16%):	9 cd
— (25%):	14 cd	— (40%):	23 cd
— (63%):	36 cd	— (100%):	56 cd

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.607 m [K=1.0000]
Humidity: 65
Inspector:

IsoLux Plot



Mounting Height: 2.5m		Max Lux(100%): 9.0 lx	
— (10%):	0.9 lx	— (20%):	1.8 lx
— (30%):	2.7 lx	— (40%):	3.6 lx
— (50%):	4.5 lx	— (60%):	5.4 lx
— (70%):	6.3 lx	— (80%):	7.2 lx

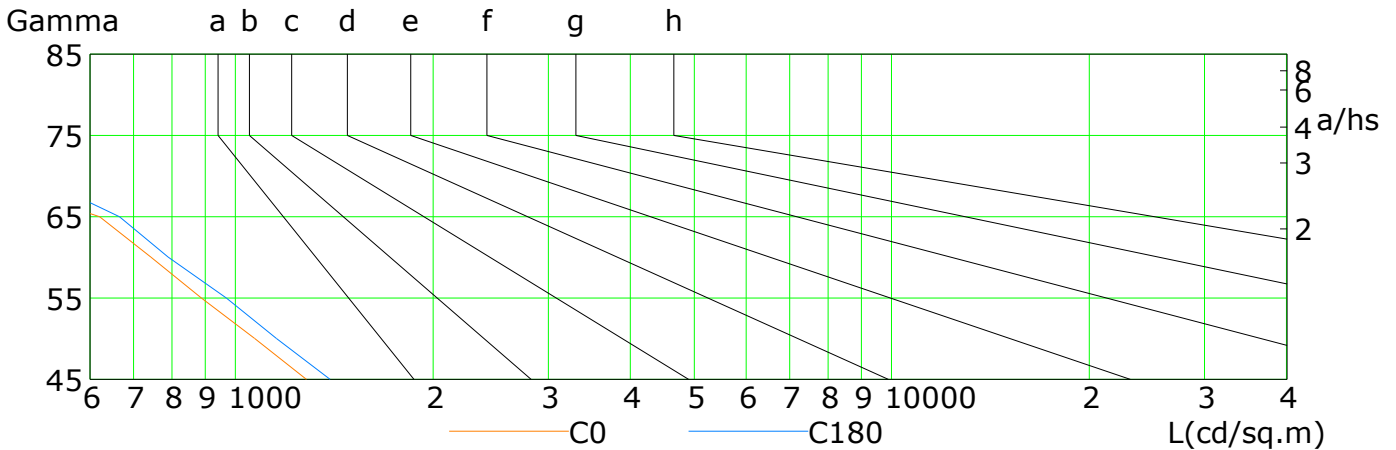
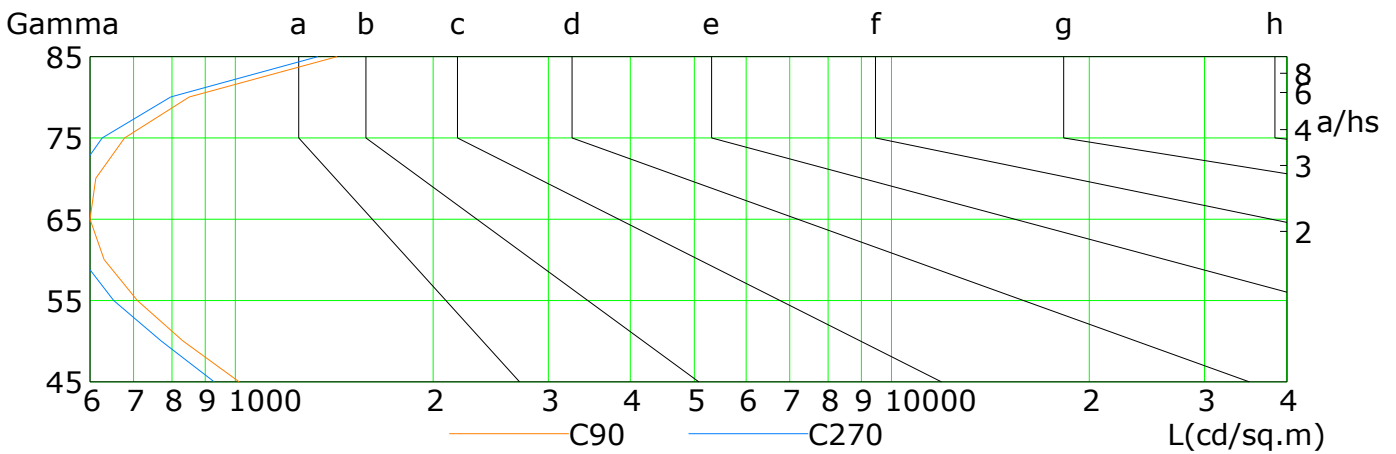
C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.607 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

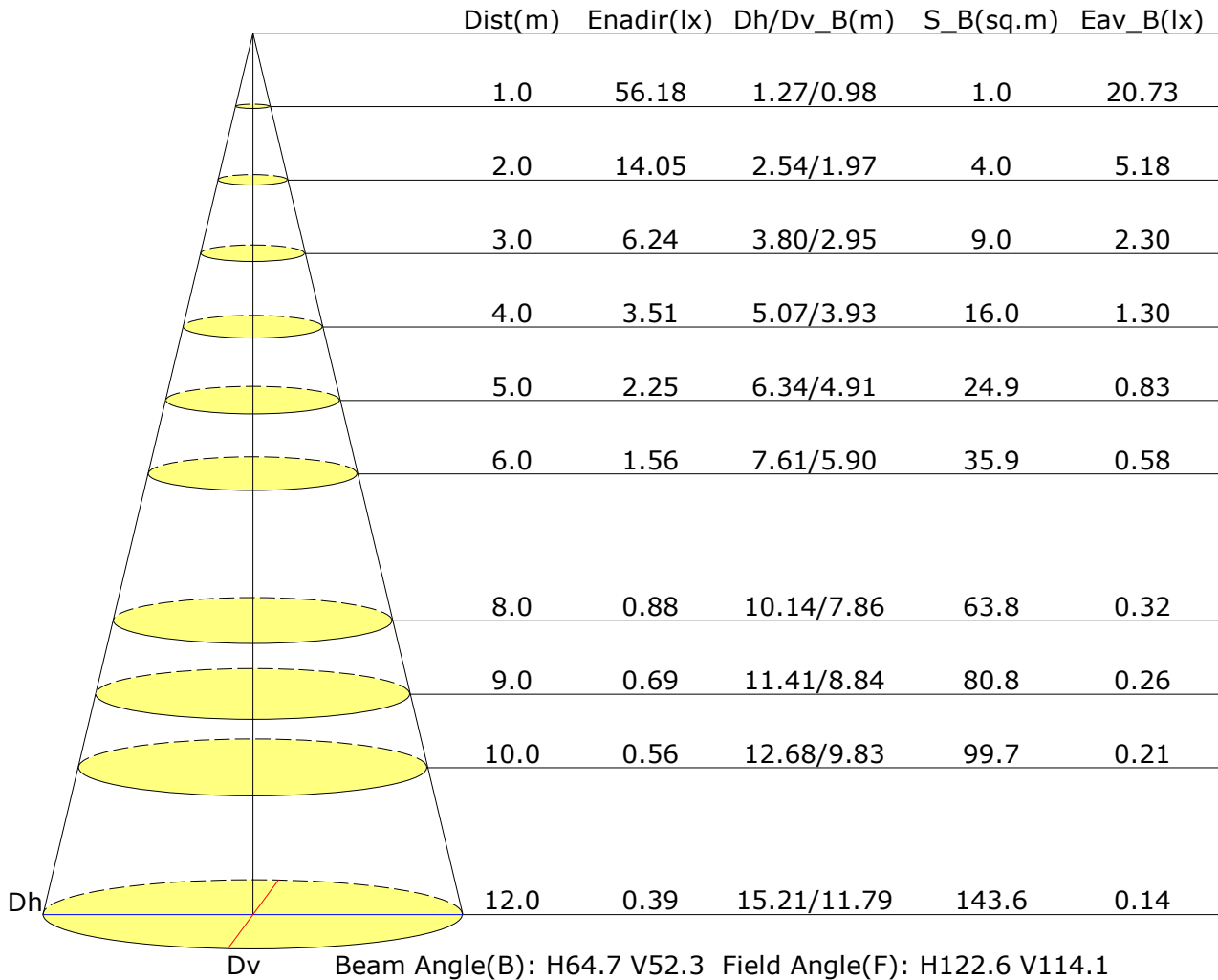


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1283	1071	889	743	621	417	286	215	143
C90	1013	833	710	632	601	612	678	851	1429
C180	1395	1154	969	789	666	493	312	233	171
C270	930	771	652	584	554	565	627	797	1335

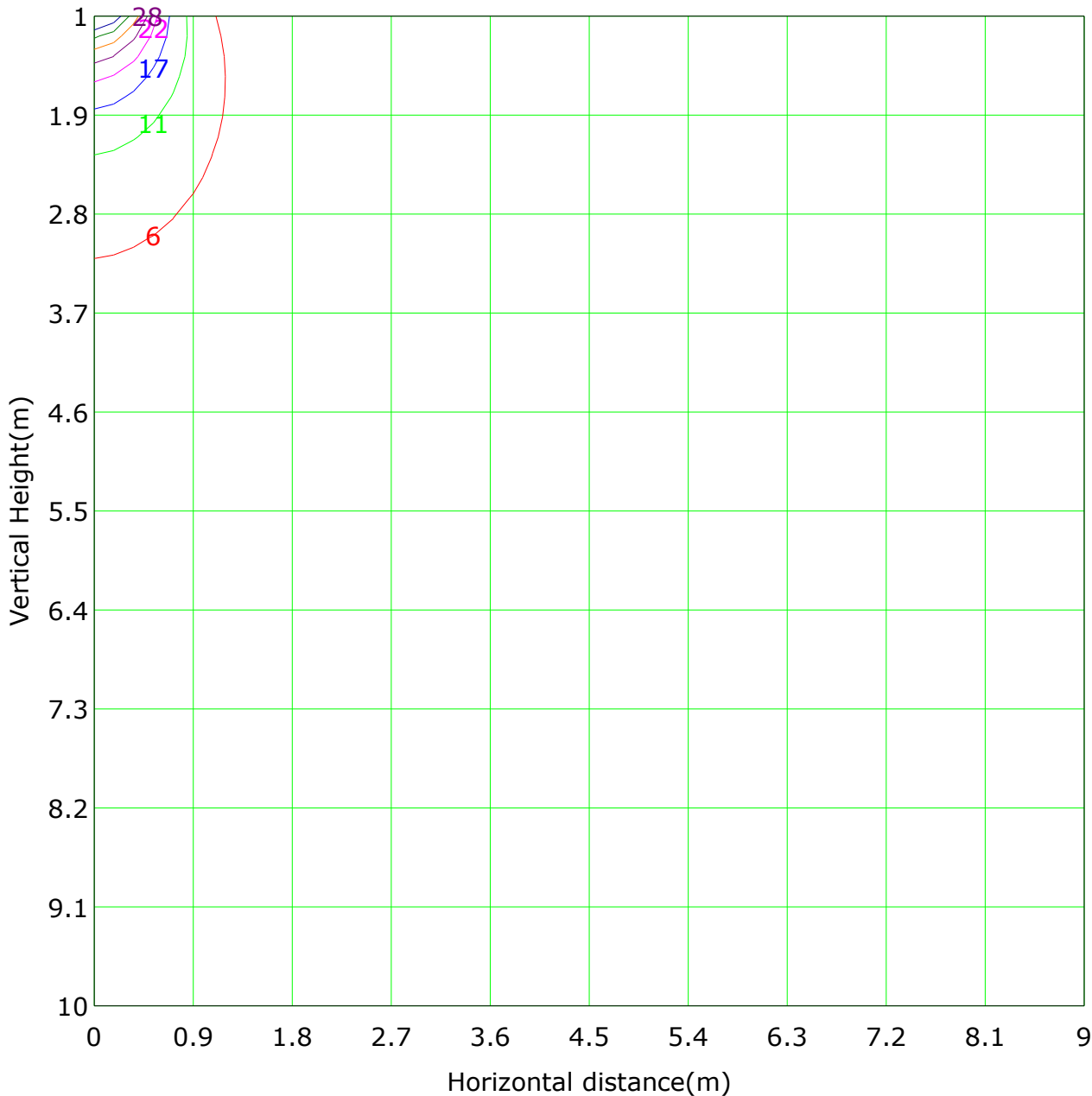
C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.607 m [K=1.0000]
Humidity: 65
Inspector:

Illuminance at a Distance



Vertical IsoLux Plot

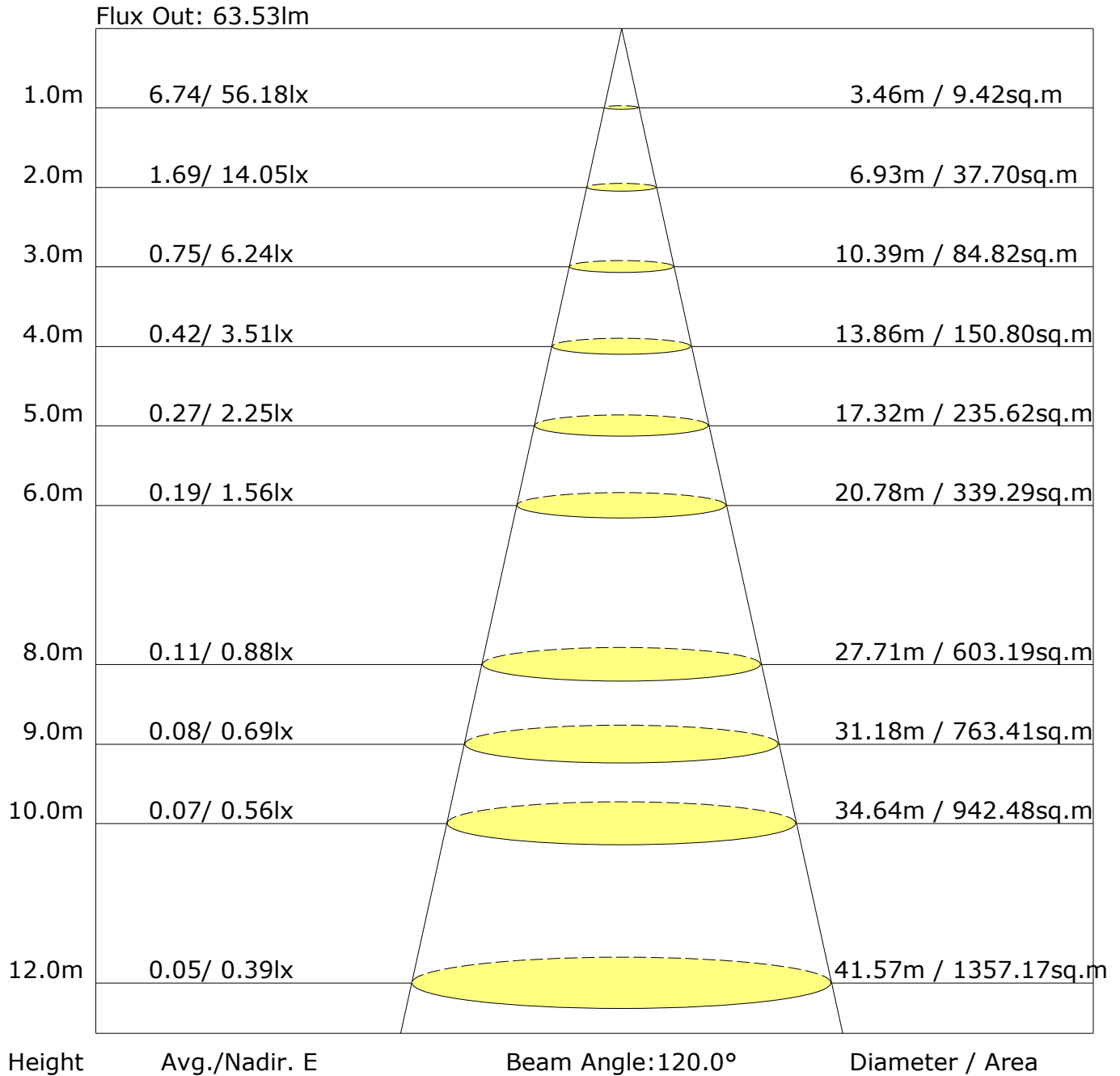


Lowest(m): 1.0m	Highest(m): 10.0m	Max Lux: 56.2 lx
— (10%): 5.6 lx	— (20%): 11.2 lx	
— (30%): 16.9 lx	— (40%): 22.5 lx	
— (50%): 28.1 lx	— (60%): 33.7 lx	
— (70%): 39.3 lx	— (80%): 44.9 lx	

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.607 m [K=1.0000]
Humidity: 65
Inspector:

The Average Illuminance Effective Figure



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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.607 m [K=1.0000]
Humidity: 65
Inspector:

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	10.8	11.9	11.1	12.2	12.4	9.9	11.0	10.2	11.2	11.5
3H	11.4	12.4	11.8	12.7	13.0	10.9	11.9	11.2	12.2	12.5
4H	11.5	12.5	11.9	12.8	13.1	11.5	12.5	11.9	12.8	13.1
6H	11.6	12.5	12.0	12.8	13.1	12.3	13.1	12.6	13.5	13.8
8H	11.6	12.4	12.0	12.8	13.1	12.7	13.6	13.1	13.9	14.3
12H	11.6	12.4	12.0	12.7	13.1	13.3	14.1	13.7	14.5	14.9
X=4H Y=2H	11.1	12.0	11.4	12.3	12.7	10.3	11.3	10.7	11.6	11.9
3H	11.8	12.7	12.2	13.0	13.4	11.5	12.3	11.9	12.7	13.1
4H	12.1	12.8	12.5	13.2	13.6	12.3	13.0	12.7	13.4	13.8
6H	12.2	12.8	12.6	13.2	13.7	13.2	13.8	13.7	14.3	14.7
8H	12.2	12.8	12.7	13.3	13.7	13.8	14.4	14.3	14.8	15.3
12H	12.2	12.8	12.7	13.2	13.7	14.5	15.1	15.0	15.5	16.0
X=8H Y=4H	12.2	12.8	12.7	13.3	13.7	12.4	13.0	12.9	13.5	13.9
6H	12.5	13.0	13.0	13.5	14.0	13.6	14.1	14.1	14.5	15.0
8H	12.6	13.1	13.1	13.5	14.1	14.3	14.7	14.8	15.2	15.8
12H	12.7	13.1	13.2	13.6	14.1	15.3	15.6	15.8	16.1	16.7
X=12H Y=4H	12.3	12.8	12.8	13.3	13.7	12.4	13.0	12.9	13.4	13.9
6H	12.6	13.0	13.1	13.5	14.1	13.6	14.0	14.1	14.5	15.1
8H	12.8	13.2	13.3	13.7	14.2	14.4	14.8	15.0	15.3	15.9
Variations with the observer position at spacings:										
S=1.0H	+0.3/-0.6					+0.4/-0.4				
S=1.5H	+0.8/-1.2					+0.5/-1.0				
S=2.0H	+1.7/-1.9					+0.8/-1.4				

Calculate in accordance with CIE Pub.117. The table is revised with 72lm ($8\log(F/F_0) = -9.1$).

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.607 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	56.2	0.1	0.1	0.07	0.07
1.0-2.0	56.0	0.2	0.2	0.22	0.30
2.0-3.0	55.8	0.3	0.5	0.37	0.66
3.0-4.0	55.4	0.4	0.9	0.51	1.18
4.0-5.0	55.0	0.5	1.3	0.65	1.83
5.0-6.0	54.4	0.6	1.9	0.79	2.62
6.0-7.0	53.7	0.7	2.6	0.92	3.54
7.0-8.0	53.0	0.8	3.3	1.05	4.58
8.0-9.0	52.1	0.8	4.2	1.17	5.75
9.0-10.0	51.2	0.9	5.1	1.28	7.03
10.0-11.0	50.3	1.0	6.1	1.39	8.42
11.0-12.0	49.3	1.1	7.2	1.49	9.90
12.0-13.0	48.2	1.1	8.3	1.58	11.48
13.0-14.0	47.1	1.2	9.5	1.66	13.14
14.0-15.0	46.0	1.3	10.8	1.74	14.89
15.0-16.0	44.8	1.3	12.1	1.81	16.70
16.0-17.0	43.7	1.4	13.5	1.88	18.58
17.0-18.0	42.5	1.4	14.9	1.93	20.51
18.0-19.0	41.3	1.4	16.3	1.98	22.49
19.0-20.0	40.1	1.5	17.8	2.02	24.51
20.0-21.0	38.8	1.5	19.3	2.06	26.57
21.0-22.0	37.6	1.5	20.8	2.09	28.66
22.0-23.0	36.4	1.5	22.3	2.11	30.76
23.0-24.0	35.2	1.5	23.8	2.12	32.88
24.0-25.0	33.9	1.5	25.4	2.13	35.01
25.0-26.0	32.7	1.5	26.9	2.13	37.14
26.0-27.0	31.5	1.5	28.5	2.13	39.27
27.0-28.0	30.3	1.5	30.0	2.12	41.38
28.0-29.0	29.1	1.5	31.5	2.10	43.48
29.0-30.0	27.9	1.5	33.0	2.08	45.56
30.0-31.0	26.8	1.5	34.5	2.06	47.62
31.0-32.0	25.7	1.5	36.0	2.03	49.65
32.0-33.0	24.5	1.4	37.4	2.00	51.64
33.0-34.0	23.5	1.4	38.8	1.96	53.60
34.0-35.0	22.4	1.4	40.2	1.92	55.52
35.0-36.0	21.4	1.4	41.6	1.88	57.40

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.607 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	20.4	1.3	42.9	1.83	59.24
37.0-38.0	19.4	1.3	44.2	1.79	61.02
38.0-39.0	18.5	1.3	45.5	1.74	62.77
39.0-40.0	17.6	1.2	46.7	1.69	64.46
40.0-41.0	16.7	1.2	47.9	1.64	66.10
41.0-42.0	15.8	1.2	49.1	1.59	67.68
42.0-43.0	15.0	1.1	50.2	1.53	69.22
43.0-44.0	14.2	1.1	51.2	1.48	70.69
44.0-45.0	13.4	1.0	52.3	1.43	72.12
45.0-46.0	12.7	1.0	53.3	1.37	73.49
46.0-47.0	12.0	1.0	54.2	1.32	74.81
47.0-48.0	11.4	0.9	55.1	1.27	76.08
48.0-49.0	10.7	0.9	56.0	1.22	77.29
49.0-50.0	10.1	0.8	56.9	1.17	78.46
50.0-51.0	9.6	0.8	57.7	1.12	79.57
51.0-52.0	9.0	0.8	58.4	1.07	80.64
52.0-53.0	8.5	0.7	59.2	1.02	81.66
53.0-54.0	8.0	0.7	59.9	0.98	82.64
54.0-55.0	7.6	0.7	60.6	0.94	83.58
55.0-56.0	7.2	0.6	61.2	0.89	84.47
56.0-57.0	6.7	0.6	61.8	0.85	85.32
57.0-58.0	6.4	0.6	62.4	0.81	86.13
58.0-59.0	6.0	0.6	63.0	0.77	86.91
59.0-60.0	5.7	0.5	63.5	0.74	87.65
60.0-61.0	5.3	0.5	64.0	0.70	88.35
61.0-62.0	5.1	0.5	64.5	0.67	89.02
62.0-63.0	4.8	0.5	65.0	0.64	89.66
63.0-64.0	4.5	0.4	65.4	0.61	90.27
64.0-65.0	4.3	0.4	65.8	0.58	90.85
65.0-66.0	4.0	0.4	66.2	0.55	91.40
66.0-67.0	3.7	0.4	66.6	0.52	91.92
67.0-68.0	3.5	0.4	67.0	0.49	92.41
68.0-69.0	3.2	0.3	67.3	0.46	92.87
69.0-70.0	3.0	0.3	67.6	0.42	93.29
70.0-71.0	2.7	0.3	67.9	0.39	93.68
71.0-72.0	2.5	0.3	68.2	0.36	94.05

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.607 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	2.4	0.2	68.4	0.34	94.39
73.0-74.0	2.2	0.2	68.6	0.32	94.71
74.0-75.0	2.0	0.2	68.9	0.30	95.00
75.0-76.0	1.9	0.2	69.1	0.28	95.28
76.0-77.0	1.8	0.2	69.3	0.26	95.55
77.0-78.0	1.7	0.2	69.4	0.25	95.80
78.0-79.0	1.6	0.2	69.6	0.24	96.03
79.0-80.0	1.5	0.2	69.8	0.22	96.25
80.0-81.0	1.4	0.2	69.9	0.21	96.46
81.0-82.0	1.3	0.1	70.1	0.20	96.66
82.0-83.0	1.3	0.1	70.2	0.19	96.85
83.0-84.0	1.2	0.1	70.3	0.18	97.03
84.0-85.0	1.1	0.1	70.4	0.17	97.20
85.0-86.0	1.0	0.1	70.6	0.16	97.35
86.0-87.0	1.0	0.1	70.7	0.15	97.50
87.0-88.0	0.9	0.1	70.8	0.13	97.63
88.0-89.0	0.8	0.1	70.9	0.13	97.76
89.0-90.0	0.8	0.1	70.9	0.12	97.88
90.0-91.0	0.8	0.1	71.0	0.12	98.00
91.0-92.0	0.7	0.1	71.1	0.11	98.11
92.0-93.0	0.7	0.1	71.2	0.10	98.22
93.0-94.0	0.6	0.1	71.2	0.09	98.30
94.0-95.0	0.5	0.1	71.3	0.08	98.38
95.0-96.0	0.5	0.1	71.4	0.07	98.45
96.0-97.0	0.4	0.0	71.4	0.07	98.51
97.0-98.0	0.4	0.0	71.4	0.06	98.58
98.0-99.0	0.4	0.0	71.5	0.06	98.64
99.0-100.0	0.4	0.0	71.5	0.06	98.69
100.0-101.0	0.3	0.0	71.6	0.05	98.74
101.0-102.0	0.3	0.0	71.6	0.05	98.79
102.0-103.0	0.3	0.0	71.6	0.05	98.84
103.0-104.0	0.3	0.0	71.7	0.04	98.88
104.0-105.0	0.3	0.0	71.7	0.04	98.92
105.0-106.0	0.3	0.0	71.7	0.04	98.96
106.0-107.0	0.2	0.0	71.8	0.04	99.00
107.0-108.0	0.2	0.0	71.8	0.03	99.03

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.607 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	0.2	0.0	71.8	0.03	99.06
109.0-110.0	0.2	0.0	71.8	0.03	99.09
110.0-111.0	0.2	0.0	71.8	0.03	99.12
111.0-112.0	0.2	0.0	71.9	0.03	99.14
112.0-113.0	0.2	0.0	71.9	0.03	99.17
113.0-114.0	0.2	0.0	71.9	0.02	99.19
114.0-115.0	0.2	0.0	71.9	0.02	99.22
115.0-116.0	0.2	0.0	71.9	0.02	99.24
116.0-117.0	0.1	0.0	71.9	0.02	99.26
117.0-118.0	0.1	0.0	72.0	0.02	99.27
118.0-119.0	0.1	0.0	72.0	0.02	99.29
119.0-120.0	0.1	0.0	72.0	0.02	99.31
120.0-121.0	0.1	0.0	72.0	0.02	99.32
121.0-122.0	0.1	0.0	72.0	0.02	99.34
122.0-123.0	0.1	0.0	72.0	0.01	99.35
123.0-124.0	0.1	0.0	72.0	0.01	99.37
124.0-125.0	0.1	0.0	72.0	0.01	99.38
125.0-126.0	0.1	0.0	72.0	0.01	99.40
126.0-127.0	0.1	0.0	72.0	0.01	99.41
127.0-128.0	0.1	0.0	72.1	0.01	99.42
128.0-129.0	0.1	0.0	72.1	0.01	99.43
129.0-130.0	0.1	0.0	72.1	0.01	99.45
130.0-131.0	0.1	0.0	72.1	0.01	99.46
131.0-132.0	0.1	0.0	72.1	0.01	99.47
132.0-133.0	0.1	0.0	72.1	0.01	99.48
133.0-134.0	0.1	0.0	72.1	0.01	99.49
134.0-135.0	0.1	0.0	72.1	0.01	99.50
135.0-136.0	0.1	0.0	72.1	0.01	99.52
136.0-137.0	0.1	0.0	72.1	0.01	99.53
137.0-138.0	0.1	0.0	72.1	0.01	99.54
138.0-139.0	0.1	0.0	72.2	0.01	99.56
139.0-140.0	0.1	0.0	72.2	0.01	99.57
140.0-141.0	0.1	0.0	72.2	0.01	99.58
141.0-142.0	0.1	0.0	72.2	0.01	99.60
142.0-143.0	0.2	0.0	72.2	0.01	99.61
143.0-144.0	0.2	0.0	72.2	0.01	99.63

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.607 m [K=1.0000]
 Humidity: 65
 Inspector:

Zonal Lumen (Continue 4)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	0.2	0.0	72.2	0.01	99.64
145.0-146.0	0.2	0.0	72.2	0.01	99.65
146.0-147.0	0.2	0.0	72.2	0.01	99.67
147.0-148.0	0.2	0.0	72.2	0.01	99.68
148.0-149.0	0.2	0.0	72.3	0.02	99.70
149.0-150.0	0.2	0.0	72.3	0.02	99.71
150.0-151.0	0.2	0.0	72.3	0.02	99.73
151.0-152.0	0.2	0.0	72.3	0.01	99.74
152.0-153.0	0.2	0.0	72.3	0.01	99.76
153.0-154.0	0.2	0.0	72.3	0.01	99.77
154.0-155.0	0.2	0.0	72.3	0.01	99.79
155.0-156.0	0.2	0.0	72.3	0.01	99.80
156.0-157.0	0.2	0.0	72.3	0.01	99.82
157.0-158.0	0.2	0.0	72.4	0.01	99.83
158.0-159.0	0.2	0.0	72.4	0.01	99.84
159.0-160.0	0.2	0.0	72.4	0.01	99.86
160.0-161.0	0.3	0.0	72.4	0.01	99.87
161.0-162.0	0.3	0.0	72.4	0.01	99.88
162.0-163.0	0.3	0.0	72.4	0.01	99.89
163.0-164.0	0.3	0.0	72.4	0.01	99.91
164.0-165.0	0.3	0.0	72.4	0.01	99.92
165.0-166.0	0.3	0.0	72.4	0.01	99.93
166.0-167.0	0.3	0.0	72.4	0.01	99.94
167.0-168.0	0.3	0.0	72.4	0.01	99.95
168.0-169.0	0.3	0.0	72.4	0.01	99.95
169.0-170.0	0.3	0.0	72.5	0.01	99.96
170.0-171.0	0.3	0.0	72.5	0.01	99.97
171.0-172.0	0.3	0.0	72.5	0.01	99.98
172.0-173.0	0.3	0.0	72.5	0.01	99.98
173.0-174.0	0.3	0.0	72.5	0.01	99.99
174.0-175.0	0.3	0.0	72.5	0.00	99.99
175.0-176.0	0.3	0.0	72.5	0.00	99.99
176.0-177.0	0.3	0.0	72.5	0.00	100.00
177.0-178.0	0.3	0.0	72.5	0.00	100.00
178.0-179.0	0.3	0.0	72.5	0.00	100.00
179.0-180.0	0.3	0.0	72.5	0.00	100.00

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.607 m [K=1.0000]
Humidity: 65
Inspector:

Zonal Lumen (Continue 5)

cone flux(90°): 52.27 lm

%lum = 72.1%

%lamp = 72.1%

cone flux(120°): 63.53 lm

%lum = 87.6%

%lamp = 87.6%

Candlepower Table

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G0.0	56.2	56.2	56.2	56.2	56.2					
G1.0	56.0	56.1	56.3	56.1	56.0					
G2.0	55.7	55.8	56.4	55.9	55.7					
G3.0	55.3	55.4	56.3	55.5	55.3					
G4.0	54.8	54.9	56.2	55.0	54.8					
G5.0	54.4	54.2	56.0	54.3	54.4					
G6.0	53.8	53.4	55.7	53.5	53.8					
G7.0	53.2	52.5	55.3	52.5	53.2					
G8.0	52.4	51.5	54.8	51.5	52.4					
G9.0	51.8	50.4	54.2	50.4	51.8					
G10.0	51.0	49.3	53.6	49.1	51.0					
G11.0	50.2	48.1	52.9	47.9	50.2					
G12.0	49.4	46.9	52.1	46.7	49.4					
G13.0	48.5	45.6	51.3	45.3	48.5					
G14.0	47.5	44.4	50.5	44.0	47.5					
G15.0	46.5	43.1	49.5	42.5	46.5					
G16.0	45.5	41.8	48.5	41.2	45.5					
G17.0	44.4	40.6	47.6	39.8	44.4					
G18.0	43.4	39.2	46.6	38.4	43.4					
G19.0	42.2	37.9	45.6	37.0	42.2					
G20.0	41.1	36.6	44.6	35.7	41.1					
G21.0	40.1	35.2	43.4	34.2	40.1					
G22.0	38.9	33.9	42.3	32.9	38.9					
G23.0	37.8	32.7	41.2	31.6	37.8					
G24.0	36.7	31.4	39.9	30.2	36.7					
G25.0	35.4	30.1	38.8	28.9	35.4					
G26.0	34.3	28.9	37.5	27.6	34.3					
G27.0	33.1	27.7	36.3	26.4	33.1					
G28.0	32.0	26.6	35.1	25.2	32.0					
G29.0	30.8	25.5	33.7	24.0	30.8					
G30.0	29.7	24.4	32.5	22.9	29.7					
G31.0	28.4	23.3	31.3	21.7	28.4					
G32.0	27.4	22.3	30.1	20.7	27.4					
G33.0	26.1	21.3	28.8	19.7	26.1					
G34.0	25.1	20.4	27.6	18.8	25.1					
G35.0	24.0	19.5	26.4	17.8	24.0					
G36.0	22.9	18.5	25.2	16.9	22.9					

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.607 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	21.8	17.6	24.0	16.1	21.8					
G38.0	20.9	16.8	22.9	15.2	20.9					
G39.0	19.9	16.0	21.8	14.5	19.9					
G40.0	18.9	15.1	20.7	13.8	18.9					
G41.0	17.9	14.3	19.6	13.1	17.9					
G42.0	17.0	13.6	18.6	12.4	17.0					
G43.0	16.2	12.8	17.6	11.8	16.2					
G44.0	15.3	12.1	16.6	11.2	15.3					
G45.0	14.5	11.5	15.8	10.5	14.5					
G46.0	13.8	10.8	14.9	10.0	13.8					
G47.0	13.0	10.2	14.1	9.4	13.0					
G48.0	12.3	9.7	13.3	8.9	12.3					
G49.0	11.6	9.1	12.6	8.4	11.6					
G50.0	11.0	8.6	11.9	7.9	11.0					
G51.0	10.4	8.1	11.1	7.5	10.4					
G52.0	9.8	7.7	10.6	7.1	9.8					
G53.0	9.2	7.2	10.0	6.7	9.2					
G54.0	8.7	6.9	9.4	6.4	8.7					
G55.0	8.2	6.5	8.9	6.0	8.2					
G56.0	7.7	6.2	8.2	5.7	7.7					
G57.0	7.2	5.9	7.7	5.4	7.2					
G58.0	6.8	5.6	7.2	5.1	6.8					
G59.0	6.3	5.3	6.8	4.9	6.3					
G60.0	5.9	5.1	6.3	4.7	5.9					
G61.0	5.6	4.8	5.9	4.5	5.6					
G62.0	5.2	4.6	5.6	4.3	5.2					
G63.0	4.8	4.4	5.2	4.1	4.8					
G64.0	4.5	4.2	4.8	3.9	4.5					
G65.0	4.2	4.1	4.5	3.7	4.2					
G66.0	3.8	3.9	4.1	3.6	3.8					
G67.0	3.5	3.7	3.8	3.5	3.5					
G68.0	3.1	3.6	3.4	3.3	3.1					
G69.0	2.7	3.5	3.1	3.2	2.7					
G70.0	2.3	3.4	2.7	3.1	2.3					
G71.0	2.0	3.2	2.3	3.0	2.0					
G72.0	1.8	3.1	2.0	2.9	1.8					
G73.0	1.5	3.0	1.7	2.8	1.5					

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.607 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	1.3	2.9	1.5	2.7	1.3					
G75.0	1.2	2.8	1.3	2.6	1.2					
G76.0	1.0	2.7	1.1	2.5	1.0					
G77.0	0.9	2.6	1.0	2.4	0.9					
G78.0	0.8	2.5	0.9	2.4	0.8					
G79.0	0.7	2.5	0.7	2.3	0.7					
G80.0	0.6	2.4	0.6	2.2	0.6					
G81.0	0.5	2.3	0.5	2.1	0.5					
G82.0	0.4	2.2	0.5	2.1	0.4					
G83.0	0.3	2.1	0.4	2.0	0.3					
G84.0	0.3	2.1	0.3	1.9	0.3					
G85.0	0.2	2.0	0.2	1.9	0.2					
G86.0	0.1	1.9	0.2	1.8	0.1					
G87.0	0.0	1.9	0.1	1.7	0.0					
G88.0	0.0	1.8	0.0	1.7	0.0					
G89.0	0.0	1.7	0.0	1.6	0.0					
G90.0	0.0	1.6	0.0	1.5	0.0					
G91.0	0.0	1.6	0.0	1.5	0.0					
G92.0	0.0	1.5	0.0	1.4	0.0					
G93.0	0.0	1.3	0.0	1.2	0.0					
G94.0	0.0	1.1	0.0	1.0	0.0					
G95.0	0.0	1.0	0.0	0.9	0.0					
G96.0	0.0	0.9	0.0	0.9	0.0					
G97.0	0.0	0.9	0.0	0.8	0.0					
G98.0	0.0	0.8	0.0	0.8	0.0					
G99.0	0.0	0.8	0.0	0.8	0.0					
G100.0	0.0	0.7	0.0	0.7	0.0					
G101.0	0.0	0.7	0.0	0.7	0.0					
G102.0	0.0	0.6	0.0	0.6	0.0					
G103.0	0.0	0.6	0.0	0.6	0.0					
G104.0	0.0	0.6	0.0	0.6	0.0					
G105.0	0.0	0.5	0.0	0.6	0.0					
G106.0	0.0	0.5	0.0	0.5	0.0					
G107.0	0.0	0.5	0.0	0.5	0.0					
G108.0	0.0	0.4	0.0	0.5	0.0					
G109.0	0.0	0.4	0.0	0.5	0.0					
G110.0	0.0	0.4	0.0	0.4	0.0					

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.607 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	0.4	0.0	0.4	0.0					
G112.0	0.0	0.4	0.0	0.4	0.0					
G113.0	0.0	0.3	0.0	0.4	0.0					
G114.0	0.0	0.3	0.0	0.3	0.0					
G115.0	0.0	0.3	0.0	0.3	0.0					
G116.0	0.0	0.3	0.0	0.3	0.0					
G117.0	0.0	0.3	0.0	0.3	0.0					
G118.0	0.0	0.3	0.0	0.3	0.0					
G119.0	0.0	0.2	0.0	0.3	0.0					
G120.0	0.0	0.2	0.0	0.3	0.0					
G121.0	0.1	0.2	0.0	0.2	0.1					
G122.0	0.1	0.2	0.0	0.2	0.1					
G123.0	0.1	0.2	0.0	0.2	0.1					
G124.0	0.1	0.2	0.1	0.2	0.1					
G125.0	0.1	0.2	0.0	0.2	0.1					
G126.0	0.1	0.2	0.1	0.2	0.1					
G127.0	0.1	0.1	0.1	0.1	0.1					
G128.0	0.1	0.1	0.1	0.1	0.1					
G129.0	0.1	0.1	0.1	0.1	0.1					
G130.0	0.1	0.1	0.1	0.1	0.1					
G131.0	0.1	0.1	0.1	0.1	0.1					
G132.0	0.1	0.1	0.1	0.1	0.1					
G133.0	0.1	0.1	0.1	0.1	0.1					
G134.0	0.1	0.1	0.1	0.1	0.1					
G135.0	0.1	0.1	0.1	0.1	0.1					
G136.0	0.1	0.1	0.1	0.1	0.1					
G137.0	0.1	0.1	0.1	0.1	0.1					
G138.0	0.1	0.1	0.1	0.1	0.1					
G139.0	0.2	0.1	0.1	0.1	0.2					
G140.0	0.2	0.1	0.1	0.1	0.2					
G141.0	0.2	0.1	0.1	0.1	0.2					
G142.0	0.2	0.2	0.1	0.1	0.2					
G143.0	0.2	0.2	0.1	0.1	0.2					
G144.0	0.2	0.2	0.2	0.2	0.2					
G145.0	0.2	0.2	0.2	0.2	0.2					
G146.0	0.2	0.2	0.2	0.2	0.2					
G147.0	0.2	0.2	0.2	0.2	0.2					

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.607 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	0.2	0.2	0.2	0.2	0.2					
G149.0	0.2	0.2	0.2	0.2	0.2					
G150.0	0.2	0.2	0.2	0.2	0.2					
G151.0	0.2	0.2	0.2	0.2	0.2					
G152.0	0.2	0.2	0.2	0.2	0.2					
G153.0	0.2	0.2	0.2	0.2	0.2					
G154.0	0.2	0.2	0.2	0.2	0.2					
G155.0	0.2	0.2	0.2	0.2	0.2					
G156.0	0.2	0.2	0.2	0.2	0.2					
G157.0	0.2	0.2	0.2	0.2	0.2					
G158.0	0.2	0.3	0.2	0.2	0.2					
G159.0	0.3	0.3	0.2	0.2	0.3					
G160.0	0.3	0.3	0.2	0.2	0.3					
G161.0	0.3	0.3	0.2	0.2	0.3					
G162.0	0.3	0.3	0.2	0.2	0.3					
G163.0	0.3	0.3	0.3	0.3	0.3					
G164.0	0.3	0.3	0.3	0.3	0.3					
G165.0	0.3	0.3	0.3	0.3	0.3					
G166.0	0.3	0.3	0.3	0.3	0.3					
G167.0	0.3	0.3	0.3	0.3	0.3					
G168.0	0.3	0.3	0.3	0.3	0.3					
G169.0	0.3	0.3	0.3	0.3	0.3					
G170.0	0.3	0.3	0.3	0.3	0.3					
G171.0	0.3	0.3	0.3	0.3	0.3					
G172.0	0.3	0.3	0.3	0.3	0.3					
G173.0	0.3	0.3	0.3	0.3	0.3					
G174.0	0.3	0.3	0.3	0.3	0.3					
G175.0	0.3	0.3	0.3	0.3	0.3					
G176.0	0.3	0.2	0.3	0.3	0.3					
G177.0	0.3	0.3	0.3	0.3	0.3					
G178.0	0.3	0.3	0.3	0.3	0.3					
G179.0	0.3	0.3	0.3	0.3	0.3					
G180.0	0.3	0.3	0.3	0.3	0.3					

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.607 m [K=1.0000]
 Humidity: 65
 Inspector:

LED Average Luminance Report

Avg.L	cd/m ²
L 0-180(65) av	643.53
L 0-180(75) av	299.32
L 0-180(85) av	157.05
L 90-270(65) av	577.50
L 90-270(75) av	652.60
L 90-270(85) av	1382.22
L 45(65) av	610.52
L 45(75) av	475.96
L 45(85) av	769.64

Standard: GB/T 29293-2012