

Report No.: TH-4111A

Test Time: 2023/3/9 17:43

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

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

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: 242.4 lm

Measurement Flux: 242.4 lm

Efficiency: 100%

Downward Ratio: 98%

Upward Ratio: 2%

Horizontal Diffuse Angle(50%): H68.7

Vertical Diffuse Angle(50%): V56.2

Luminaire Efficacy Rating (LER): 66.10

C0r0 Intensity: 170.43 cd

Max. Intensity: 174.84 cd

Pos of Max. Intensity: H0 V7

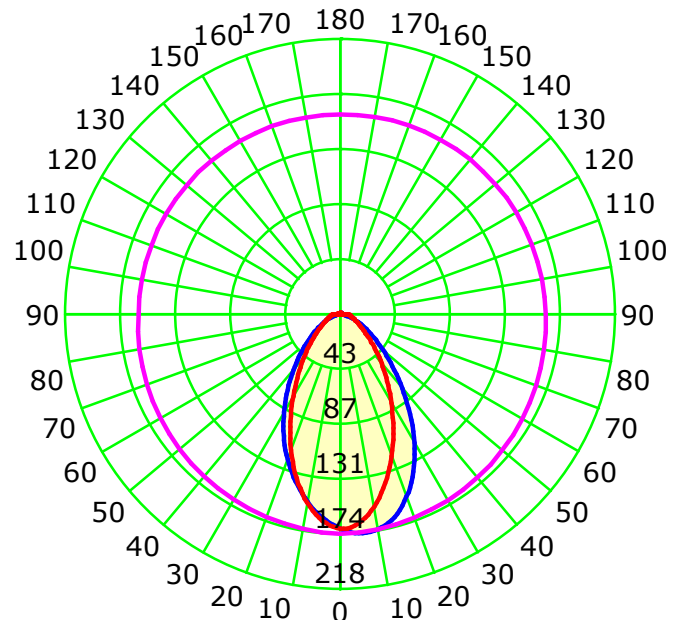
S/MH(C0/C180): 0.98

S/MH(C90/C270): 0.82

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 62.1°

— C0-C180 — C90-C270 — G7 —

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]

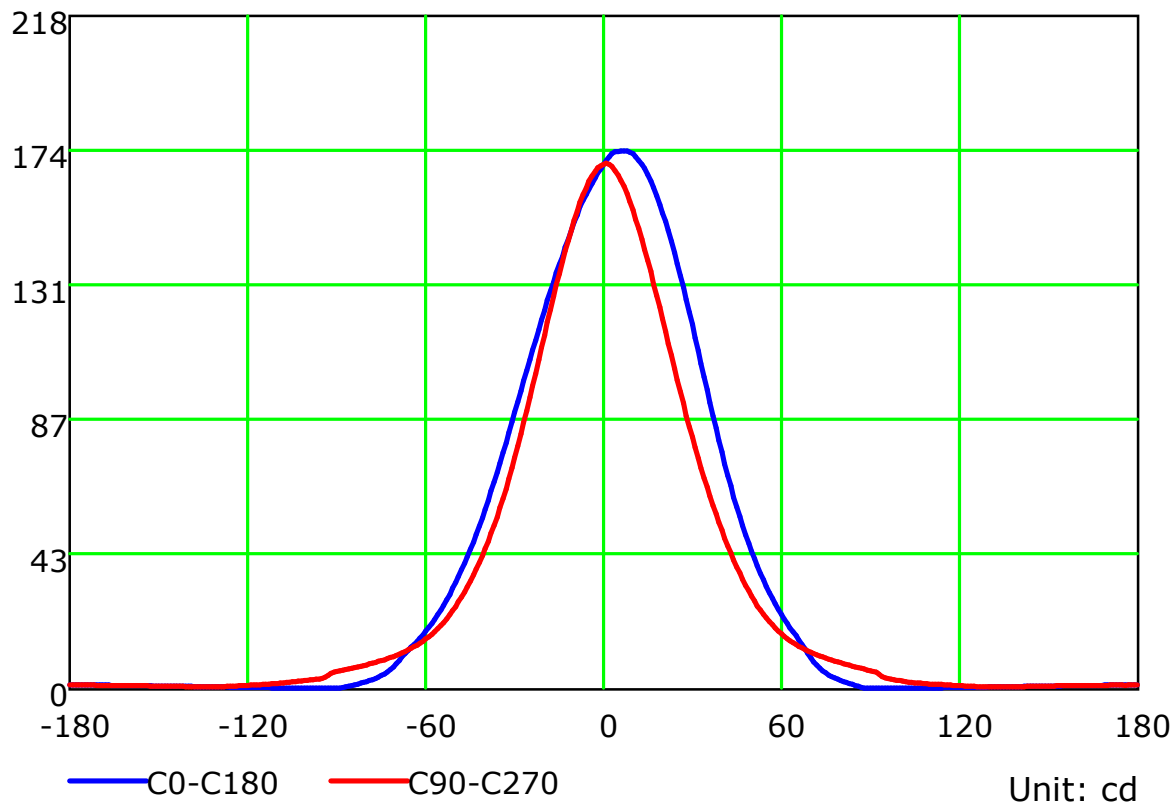
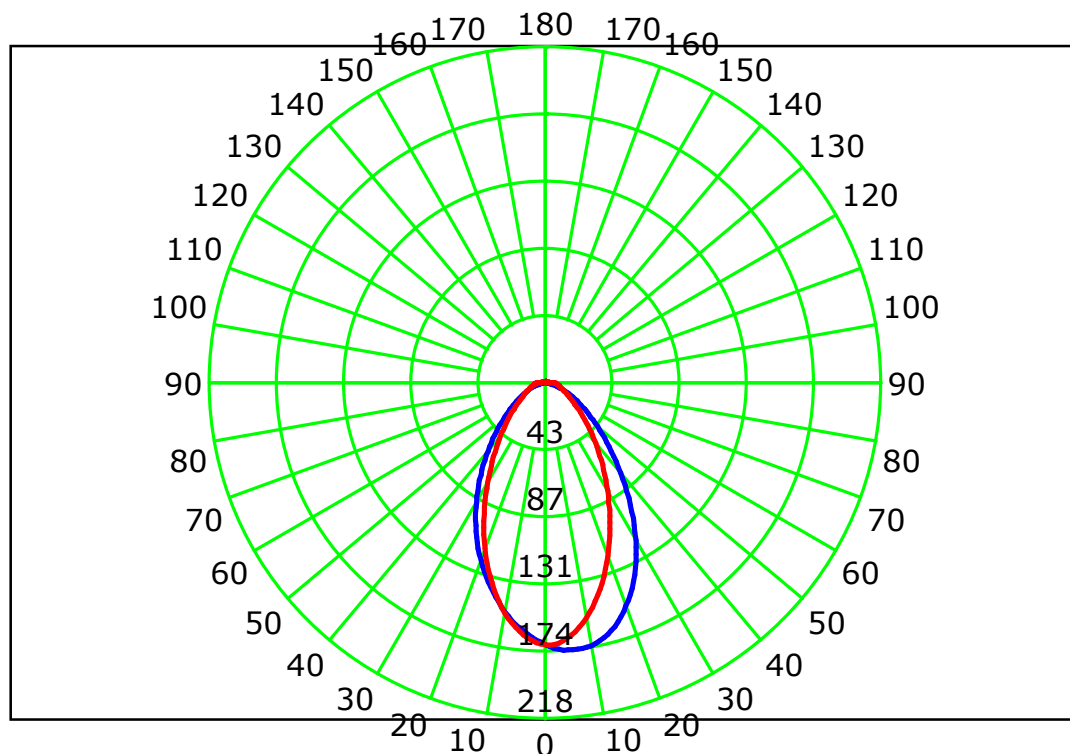
Temperature: 26

Humidity: 65

Operator: Jacky

Inspector:

Luminous Intensity Distribution Curve



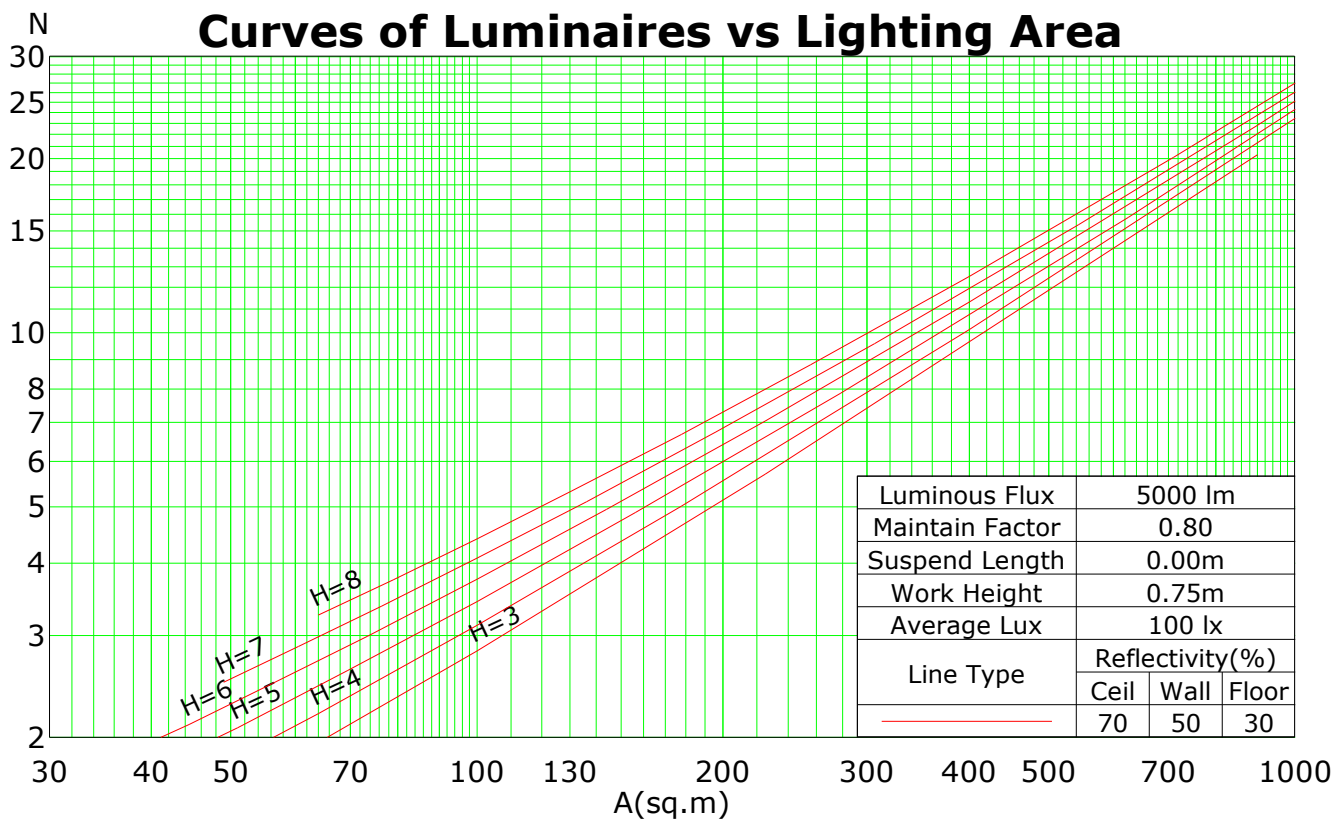
C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

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	1.18	1.18	1.18	1.18	1.15	1.15	1.15	1.15	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	0.99	1.07	1.04	1.00	0.98	0.99	0.96	0.94	0.95	0.93	0.91	0.91	0.89	0.88	0.86
2	1.02	0.95	0.90	0.85	0.99	0.93	0.88	0.84	0.89	0.85	0.82	0.86	0.82	0.79	0.83	0.80	0.77	0.75
3	0.95	0.86	0.79	0.74	0.92	0.84	0.78	0.73	0.81	0.76	0.72	0.78	0.74	0.70	0.76	0.72	0.69	0.67
4	0.88	0.78	0.71	0.65	0.86	0.77	0.70	0.65	0.74	0.68	0.64	0.72	0.67	0.62	0.69	0.65	0.61	0.59
5	0.82	0.71	0.64	0.58	0.80	0.70	0.63	0.58	0.68	0.62	0.57	0.66	0.60	0.56	0.64	0.59	0.55	0.54
6	0.77	0.66	0.58	0.52	0.75	0.65	0.57	0.52	0.63	0.56	0.52	0.61	0.55	0.51	0.59	0.54	0.50	0.48
7	0.72	0.61	0.53	0.48	0.71	0.60	0.52	0.47	0.58	0.52	0.47	0.56	0.51	0.46	0.55	0.50	0.46	0.44
8	0.68	0.56	0.49	0.44	0.66	0.55	0.48	0.43	0.54	0.48	0.43	0.53	0.47	0.43	0.51	0.46	0.42	0.41
9	0.64	0.52	0.45	0.40	0.63	0.52	0.45	0.40	0.50	0.44	0.40	0.49	0.43	0.39	0.48	0.43	0.39	0.37
10	0.60	0.49	0.42	0.37	0.59	0.48	0.41	0.37	0.47	0.41	0.37	0.46	0.40	0.36	0.45	0.40	0.36	0.35

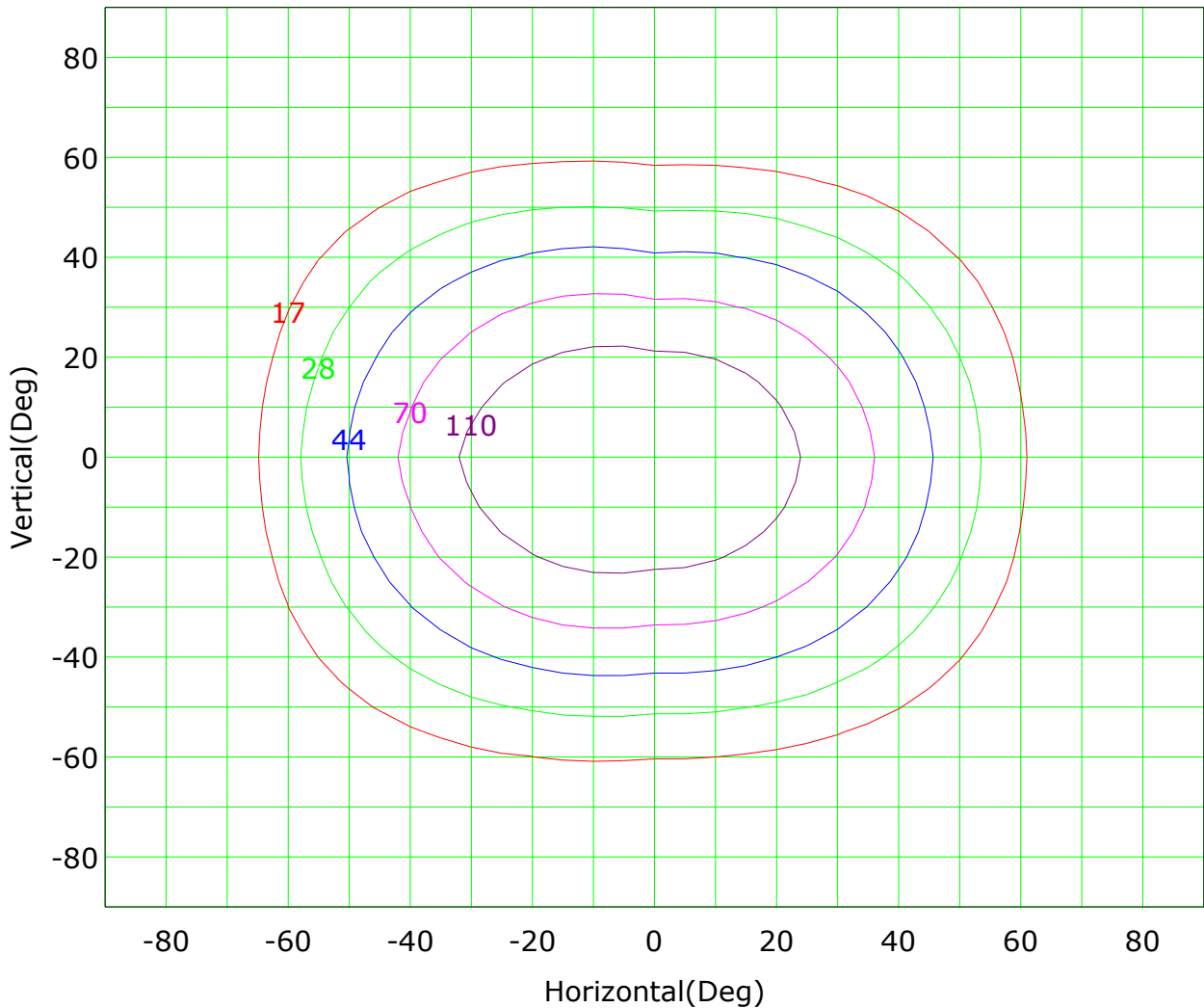
Spacing Criteria (0-180): 0.98
 Spacing Criteria (90-270): 0.82
 Spacing Criteria (Diagonal): 0.97



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)



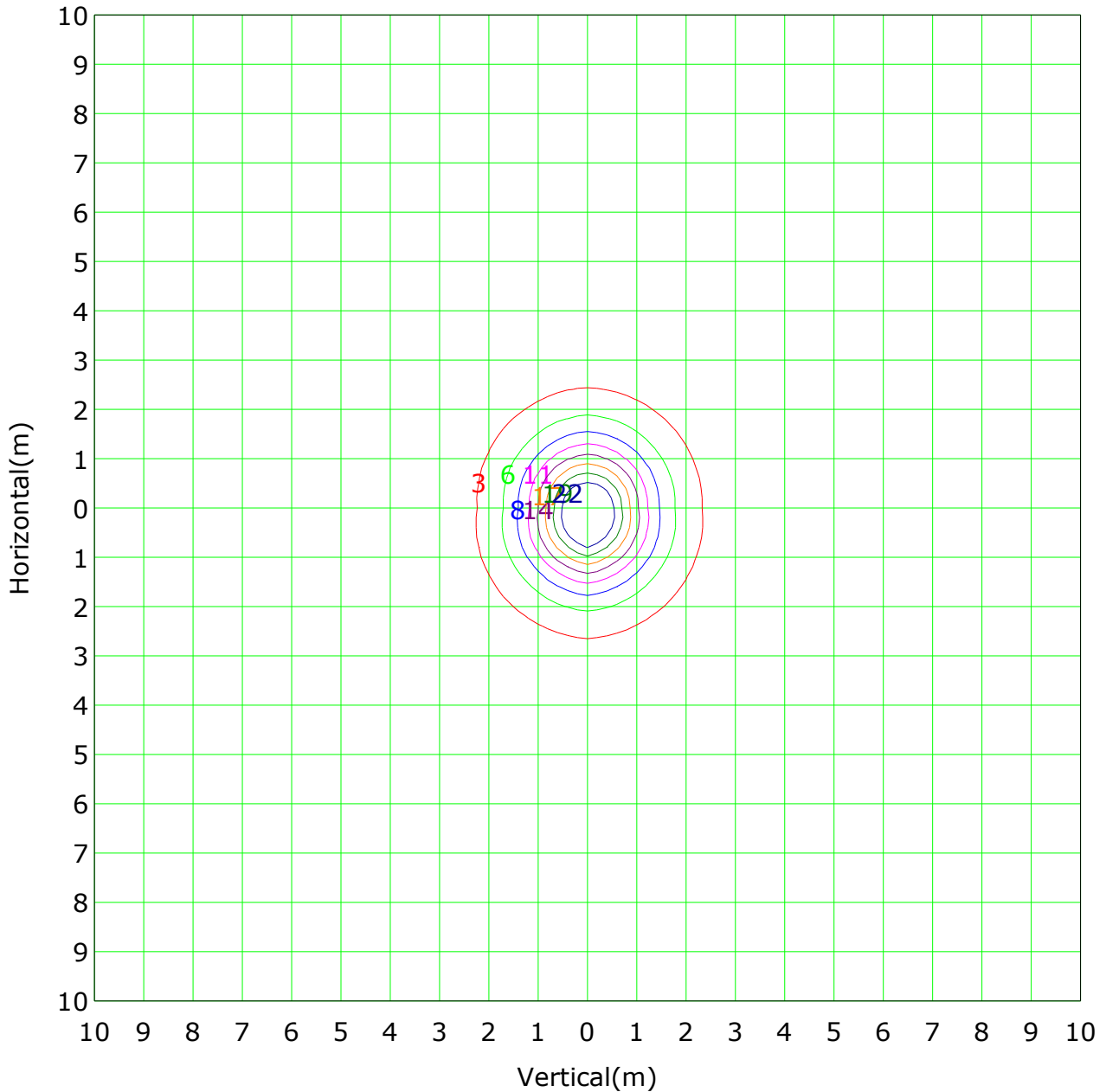
Imax (100%): 175 cd

— (10%):	17 cd	— (16%):	28 cd
— (25%):	44 cd	— (40%):	70 cd
— (63%):	110 cd	— (100%):	175 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%): 27.7 lx
— (10%): 2.8 lx	— (20%): 5.5 lx	
— (30%): 8.3 lx	— (40%): 11.1 lx	
— (50%): 13.9 lx	— (60%): 16.6 lx	
— (70%): 19.4 lx	— (80%): 22.2 lx	

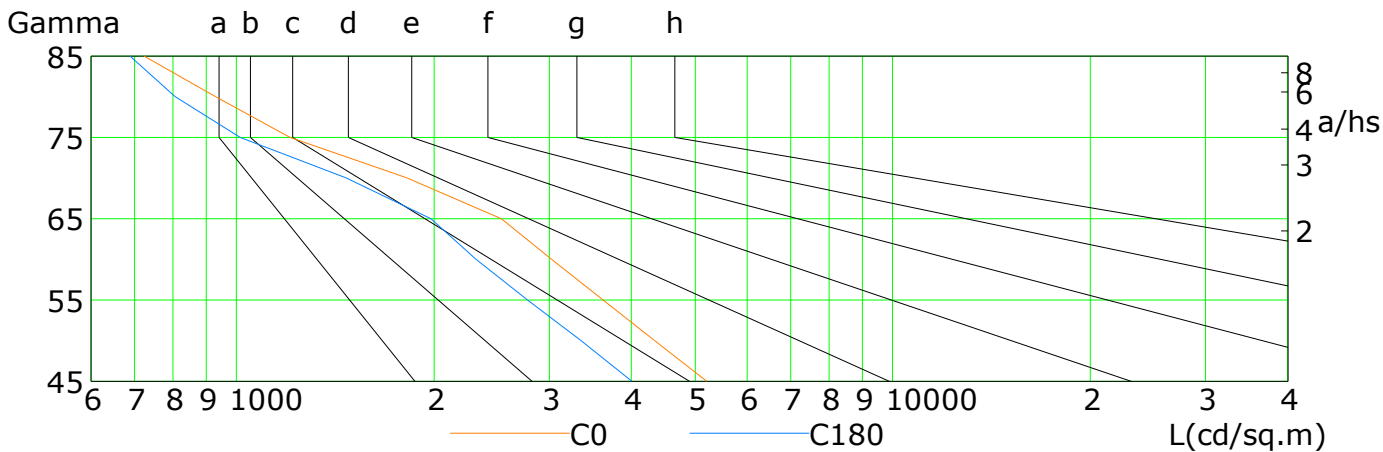
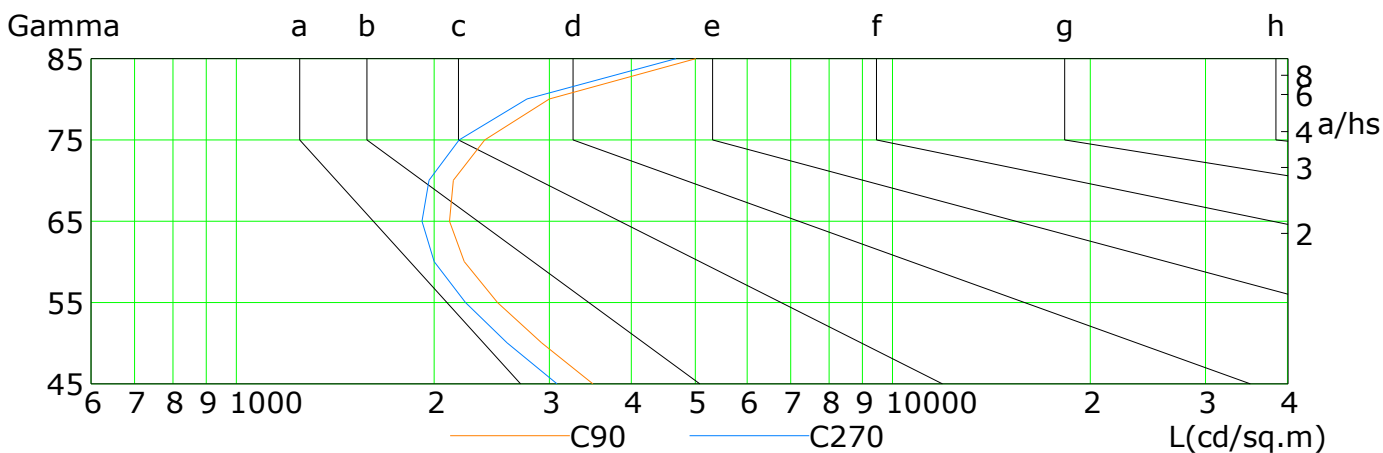
C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

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

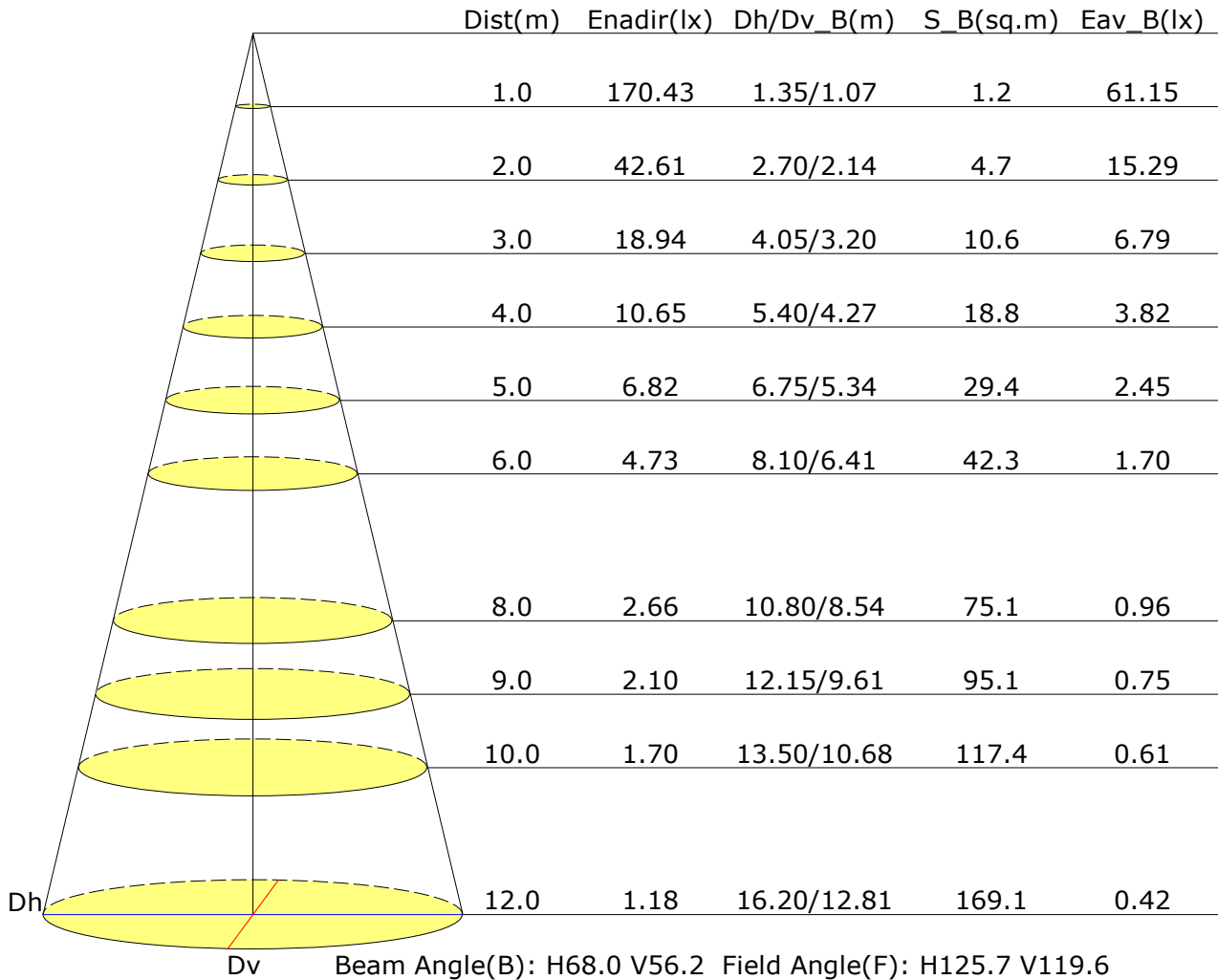


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	5207	4339	3621	3017	2535	1818	1208	929	724
C90	3493	2919	2498	2227	2112	2143	2390	2998	5012
C180	4003	3347	2776	2318	1980	1469	1014	806	688
C270	3079	2588	2235	2003	1919	1964	2183	2771	4675

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:

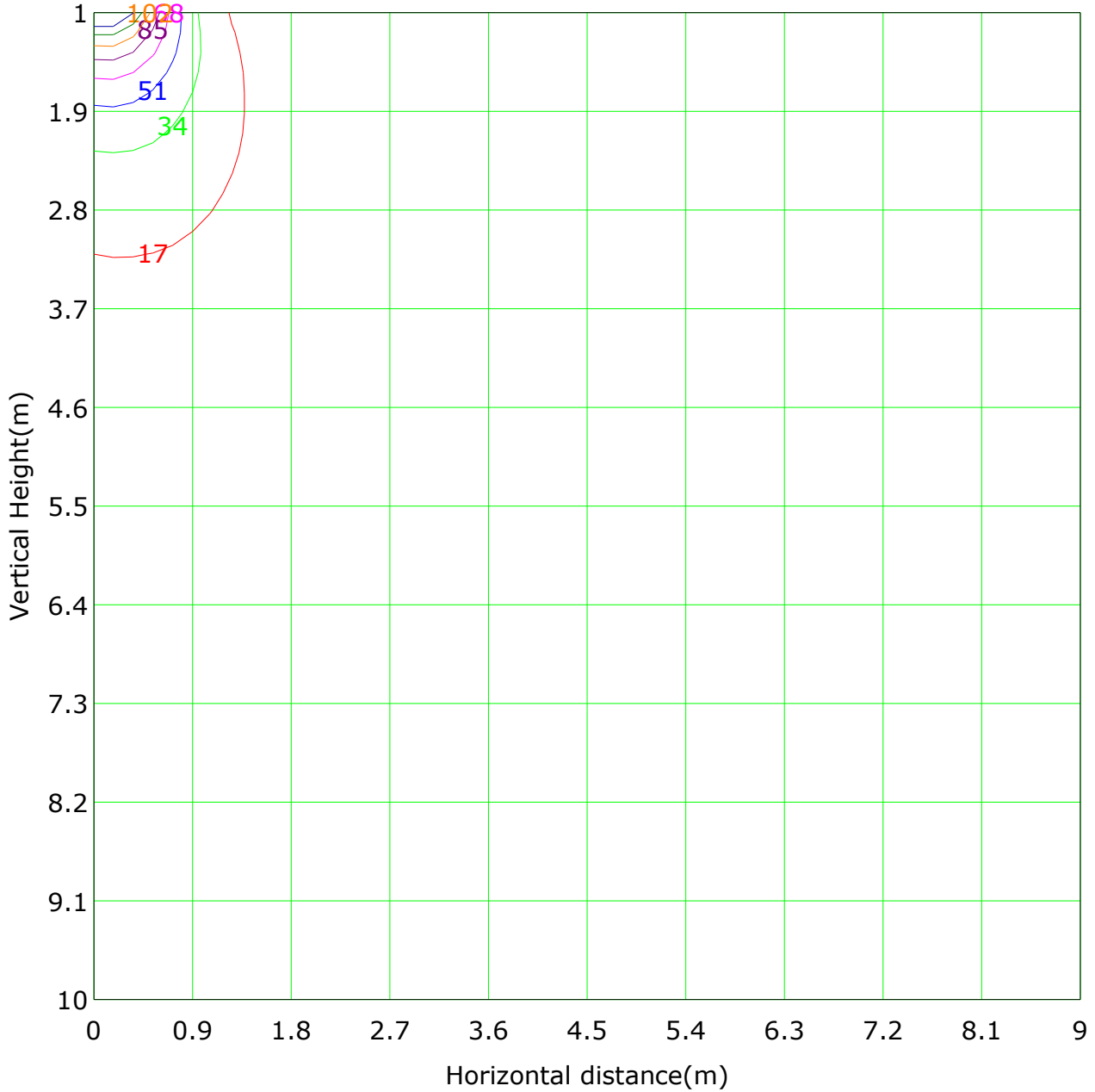
Illuminance at a Distance



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:

Vertical IsoLux Plot

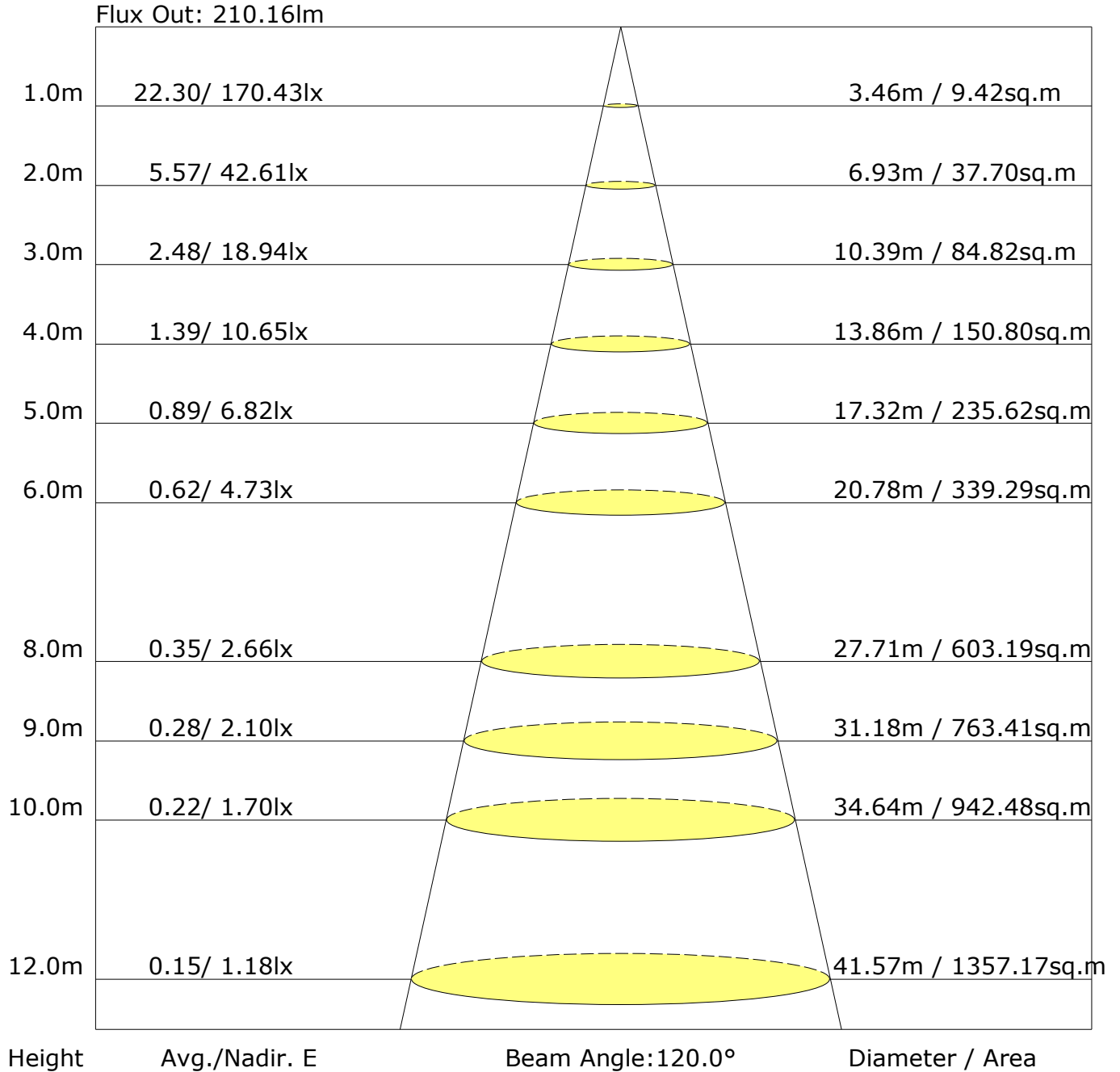


Lowest(m): 1.0m	Highest(m): 10.0m	Max Lux: 170.4 lx
— (10%): 17.0 lx	— (20%): 34.1 lx	
— (30%): 51.1 lx	— (40%): 68.2 lx	
— (50%): 85.2 lx	— (60%): 102.3 lx	
— (70%): 119.3 lx	— (80%): 136.3 lx	

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



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	16.1	17.3	16.5	17.5	17.8	14.6	15.7	14.9	16.0	16.2
3H	16.8	17.8	17.1	18.1	18.4	15.6	16.6	15.9	16.9	17.2
4H	16.9	17.9	17.3	18.2	18.5	16.1	17.1	16.5	17.4	17.8
6H	17.0	17.9	17.4	18.2	18.6	16.9	17.8	17.3	18.1	18.5
8H	17.0	17.8	17.4	18.2	18.6	17.3	18.2	17.7	18.6	18.9
12H	17.0	17.8	17.4	18.2	18.5	17.9	18.7	18.3	19.1	19.5
X=4H Y=2H	16.4	17.3	16.7	17.7	18.0	15.1	16.0	15.4	16.3	16.7
3H	17.2	18.0	17.6	18.4	18.8	16.2	17.1	16.7	17.4	17.8
4H	17.4	18.1	17.8	18.5	18.9	17.0	17.7	17.4	18.1	18.5
6H	17.5	18.2	18.0	18.6	19.1	17.9	18.5	18.3	18.9	19.4
8H	17.6	18.2	18.1	18.6	19.1	18.4	19.0	18.9	19.5	19.9
12H	17.6	18.2	18.1	18.6	19.1	19.1	19.7	19.6	20.1	20.6
X=8H Y=4H	17.5	18.1	18.0	18.6	19.0	17.2	17.8	17.6	18.2	18.7
6H	17.8	18.3	18.3	18.8	19.3	18.3	18.7	18.8	19.2	19.7
8H	17.9	18.4	18.5	18.9	19.4	19.0	19.4	19.5	19.9	20.4
12H	18.0	18.4	18.6	18.9	19.5	19.9	20.3	20.4	20.8	21.3
X=12H Y=4H	17.6	18.1	18.1	18.6	19.1	17.2	17.7	17.6	18.2	18.6
6H	17.9	18.3	18.4	18.8	19.4	18.3	18.7	18.8	19.2	19.8
8H	18.1	18.5	18.6	19.0	19.5	19.1	19.5	19.6	20.0	20.5
Variations with the observer position at spacings:										
S=1.0H	+0.3/-0.5					+0.4/-0.5				
S=1.5H	+0.9/-1.2					+0.5/-1.0				
S=2.0H	+1.8/-1.9					+0.8/-1.5				

Calculate in accordance with CIE Pub.117. The table is revised with 242lm ($8\log(F/F_0) = -4.9$).

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:

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	170.4	0.2	0.2	0.07	0.07
1.0-2.0	170.2	0.5	0.7	0.20	0.27
2.0-3.0	169.7	0.8	1.5	0.33	0.60
3.0-4.0	168.9	1.1	2.6	0.47	1.07
4.0-5.0	167.7	1.4	4.0	0.60	1.67
5.0-6.0	166.5	1.7	5.8	0.72	2.39
6.0-7.0	165.1	2.0	7.8	0.85	3.23
7.0-8.0	163.4	2.3	10.2	0.96	4.20
8.0-9.0	161.5	2.6	12.8	1.08	5.28
9.0-10.0	159.4	2.9	15.7	1.19	6.47
10.0-11.0	157.1	3.1	18.8	1.30	7.76
11.0-12.0	154.6	3.4	22.2	1.39	9.16
12.0-13.0	151.9	3.6	25.8	1.49	10.64
13.0-14.0	149.1	3.8	29.6	1.58	12.22
14.0-15.0	146.2	4.0	33.6	1.66	13.88
15.0-16.0	143.2	4.2	37.8	1.73	15.61
16.0-17.0	140.1	4.4	42.2	1.80	17.41
17.0-18.0	136.8	4.5	46.7	1.86	19.27
18.0-19.0	133.4	4.6	51.3	1.91	21.18
19.0-20.0	129.9	4.8	56.1	1.96	23.14
20.0-21.0	126.4	4.9	61.0	2.00	25.15
21.0-22.0	122.9	4.9	65.9	2.04	27.18
22.0-23.0	119.2	5.0	70.9	2.06	29.25
23.0-24.0	115.4	5.0	75.9	2.08	31.33
24.0-25.0	111.7	5.1	81.0	2.10	33.42
25.0-26.0	108.0	5.1	86.1	2.10	35.53
26.0-27.0	104.2	5.1	91.2	2.10	37.63
27.0-28.0	100.5	5.1	96.3	2.10	39.73
28.0-29.0	96.7	5.1	101.4	2.09	41.82
29.0-30.0	93.0	5.0	106.4	2.07	43.89
30.0-31.0	89.4	5.0	111.4	2.05	45.94
31.0-32.0	85.8	4.9	116.3	2.03	47.97
32.0-33.0	82.2	4.8	121.1	2.00	49.97
33.0-34.0	78.8	4.8	125.9	1.97	51.94
34.0-35.0	75.3	4.7	130.6	1.93	53.87
35.0-36.0	72.0	4.6	135.2	1.89	55.76

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	68.7	4.5	139.6	1.85	57.61
37.0-38.0	65.5	4.4	144.0	1.80	59.41
38.0-39.0	62.5	4.3	148.3	1.76	61.17
39.0-40.0	59.5	4.1	152.4	1.71	62.88
40.0-41.0	56.6	4.0	156.5	1.66	64.55
41.0-42.0	53.7	3.9	160.4	1.61	66.16
42.0-43.0	51.0	3.8	164.1	1.56	67.72
43.0-44.0	48.4	3.7	167.8	1.51	69.22
44.0-45.0	45.9	3.5	171.3	1.45	70.68
45.0-46.0	43.5	3.4	174.7	1.40	72.08
46.0-47.0	41.2	3.3	178.0	1.35	73.43
47.0-48.0	39.0	3.2	181.2	1.30	74.73
48.0-49.0	36.9	3.0	184.2	1.25	75.98
49.0-50.0	34.9	2.9	187.1	1.20	77.18
50.0-51.0	33.0	2.8	189.9	1.15	78.34
51.0-52.0	31.2	2.7	192.6	1.10	79.44
52.0-53.0	29.4	2.6	195.1	1.06	80.50
53.0-54.0	27.8	2.4	197.6	1.01	81.51
54.0-55.0	26.2	2.3	199.9	0.97	82.47
55.0-56.0	24.8	2.2	202.2	0.92	83.40
56.0-57.0	23.4	2.1	204.3	0.88	84.28
57.0-58.0	22.1	2.0	206.3	0.84	85.12
58.0-59.0	20.9	2.0	208.3	0.80	85.93
59.0-60.0	19.7	1.9	210.2	0.77	86.69
60.0-61.0	18.6	1.8	211.9	0.73	87.43
61.0-62.0	17.6	1.7	213.6	0.70	88.13
62.0-63.0	16.6	1.6	215.2	0.67	88.79
63.0-64.0	15.7	1.5	216.8	0.64	89.43
64.0-65.0	14.9	1.5	218.3	0.61	90.04
65.0-66.0	14.0	1.4	219.7	0.58	90.62
66.0-67.0	13.1	1.3	221.0	0.55	91.16
67.0-68.0	12.3	1.2	222.2	0.51	91.67
68.0-69.0	11.4	1.2	223.4	0.48	92.15
69.0-70.0	10.5	1.1	224.5	0.45	92.60
70.0-71.0	9.7	1.0	225.5	0.42	93.01
71.0-72.0	9.0	0.9	226.4	0.39	93.40

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 2)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	8.3	0.9	227.3	0.36	93.76
73.0-74.0	7.8	0.8	228.1	0.34	94.10
74.0-75.0	7.3	0.8	228.9	0.32	94.41
75.0-76.0	6.8	0.7	229.6	0.30	94.71
76.0-77.0	6.4	0.7	230.3	0.28	94.99
77.0-78.0	6.0	0.6	230.9	0.27	95.26
78.0-79.0	5.7	0.6	231.5	0.25	95.51
79.0-80.0	5.4	0.6	232.1	0.24	95.75
80.0-81.0	5.1	0.5	232.7	0.23	95.98
81.0-82.0	4.8	0.5	233.2	0.21	96.19
82.0-83.0	4.5	0.5	233.7	0.20	96.39
83.0-84.0	4.3	0.5	234.1	0.19	96.59
84.0-85.0	4.0	0.4	234.6	0.18	96.77
85.0-86.0	3.7	0.4	235.0	0.17	96.93
86.0-87.0	3.5	0.4	235.4	0.16	97.09
87.0-88.0	3.2	0.4	235.7	0.15	97.24
88.0-89.0	3.0	0.3	236.0	0.14	97.38
89.0-90.0	2.9	0.3	236.4	0.13	97.51
90.0-91.0	2.8	0.3	236.7	0.12	97.63
91.0-92.0	2.6	0.3	237.0	0.12	97.75
92.0-93.0	2.4	0.3	237.2	0.11	97.86
93.0-94.0	2.1	0.2	237.4	0.09	97.95
94.0-95.0	1.8	0.2	237.6	0.08	98.03
95.0-96.0	1.6	0.2	237.8	0.07	98.10
96.0-97.0	1.6	0.2	238.0	0.07	98.17
97.0-98.0	1.5	0.2	238.1	0.07	98.24
98.0-99.0	1.4	0.2	238.3	0.06	98.30
99.0-100.0	1.3	0.1	238.4	0.06	98.36
100.0-101.0	1.3	0.1	238.6	0.06	98.42
101.0-102.0	1.2	0.1	238.7	0.05	98.48
102.0-103.0	1.2	0.1	238.8	0.05	98.53
103.0-104.0	1.1	0.1	239.0	0.05	98.58
104.0-105.0	1.1	0.1	239.1	0.05	98.62
105.0-106.0	1.0	0.1	239.2	0.04	98.67
106.0-107.0	1.0	0.1	239.3	0.04	98.71
107.0-108.0	1.0	0.1	239.4	0.04	98.75

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	0.9	0.1	239.5	0.04	98.79
109.0-110.0	0.9	0.1	239.6	0.04	98.83
110.0-111.0	0.8	0.1	239.7	0.04	98.86
111.0-112.0	0.8	0.1	239.7	0.03	98.90
112.0-113.0	0.8	0.1	239.8	0.03	98.93
113.0-114.0	0.8	0.1	239.9	0.03	98.96
114.0-115.0	0.7	0.1	240.0	0.03	98.99
115.0-116.0	0.7	0.1	240.0	0.03	99.02
116.0-117.0	0.7	0.1	240.1	0.03	99.05
117.0-118.0	0.7	0.1	240.2	0.03	99.08
118.0-119.0	0.7	0.1	240.2	0.03	99.11
119.0-120.0	0.6	0.1	240.3	0.03	99.13
120.0-121.0	0.6	0.1	240.4	0.02	99.15
121.0-122.0	0.6	0.1	240.4	0.02	99.18
122.0-123.0	0.6	0.1	240.5	0.02	99.20
123.0-124.0	0.6	0.1	240.5	0.02	99.22
124.0-125.0	0.5	0.0	240.6	0.02	99.24
125.0-126.0	0.5	0.0	240.6	0.02	99.26
126.0-127.0	0.5	0.0	240.7	0.02	99.28
127.0-128.0	0.5	0.0	240.7	0.02	99.30
128.0-129.0	0.5	0.0	240.7	0.02	99.31
129.0-130.0	0.5	0.0	240.8	0.02	99.33
130.0-131.0	0.5	0.0	240.8	0.02	99.35
131.0-132.0	0.5	0.0	240.9	0.02	99.36
132.0-133.0	0.5	0.0	240.9	0.02	99.38
133.0-134.0	0.5	0.0	240.9	0.02	99.40
134.0-135.0	0.5	0.0	241.0	0.02	99.41
135.0-136.0	0.5	0.0	241.0	0.02	99.43
136.0-137.0	0.5	0.0	241.1	0.02	99.45
137.0-138.0	0.6	0.0	241.1	0.02	99.46
138.0-139.0	0.6	0.0	241.2	0.02	99.48
139.0-140.0	0.6	0.0	241.2	0.02	99.50
140.0-141.0	0.6	0.0	241.2	0.02	99.52
141.0-142.0	0.6	0.0	241.3	0.02	99.53
142.0-143.0	0.7	0.0	241.3	0.02	99.55
143.0-144.0	0.7	0.0	241.4	0.02	99.57

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 [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	0.7	0.0	241.4	0.02	99.59
145.0-146.0	0.7	0.0	241.5	0.02	99.61
146.0-147.0	0.7	0.0	241.5	0.02	99.62
147.0-148.0	0.7	0.0	241.5	0.02	99.64
148.0-149.0	0.7	0.0	241.6	0.02	99.66
149.0-150.0	0.8	0.0	241.6	0.02	99.68
150.0-151.0	0.8	0.0	241.7	0.02	99.70
151.0-152.0	0.8	0.0	241.7	0.02	99.71
152.0-153.0	0.8	0.0	241.8	0.02	99.73
153.0-154.0	0.8	0.0	241.8	0.02	99.75
154.0-155.0	0.9	0.0	241.8	0.02	99.76
155.0-156.0	0.9	0.0	241.9	0.02	99.78
156.0-157.0	0.9	0.0	241.9	0.02	99.80
157.0-158.0	0.9	0.0	242.0	0.02	99.81
158.0-159.0	0.9	0.0	242.0	0.02	99.83
159.0-160.0	0.9	0.0	242.0	0.01	99.84
160.0-161.0	0.9	0.0	242.1	0.01	99.86
161.0-162.0	1.0	0.0	242.1	0.01	99.87
162.0-163.0	1.0	0.0	242.1	0.01	99.88
163.0-164.0	1.0	0.0	242.2	0.01	99.90
164.0-165.0	1.0	0.0	242.2	0.01	99.91
165.0-166.0	1.0	0.0	242.2	0.01	99.92
166.0-167.0	1.0	0.0	242.2	0.01	99.93
167.0-168.0	1.0	0.0	242.3	0.01	99.94
168.0-169.0	1.0	0.0	242.3	0.01	99.95
169.0-170.0	1.0	0.0	242.3	0.01	99.96
170.0-171.0	1.1	0.0	242.3	0.01	99.97
171.0-172.0	1.1	0.0	242.3	0.01	99.97
172.0-173.0	1.1	0.0	242.4	0.01	99.98
173.0-174.0	1.1	0.0	242.4	0.01	99.98
174.0-175.0	1.1	0.0	242.4	0.00	99.99
175.0-176.0	1.1	0.0	242.4	0.00	99.99
176.0-177.0	1.1	0.0	242.4	0.00	100.00
177.0-178.0	1.1	0.0	242.4	0.00	100.00
178.0-179.0	1.1	0.0	242.4	0.00	100.00
179.0-180.0	1.1	0.0	242.4	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°): 171.33 lm

%lum = 70.7%

%lamp = 70.7%

cone flux(120°): 210.16 lm

%lum = 86.7%

%lamp = 86.7%

Candlepower Table

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G0.0	170.4	170.4	170.4	170.4	170.4					
G1.0	171.6	170.7	169.0	170.0	171.6					
G2.0	172.9	170.4	167.7	169.3	172.9					
G3.0	173.8	169.7	165.9	168.0	173.8					
G4.0	174.4	168.3	164.1	166.6	174.4					
G5.0	174.5	166.8	162.3	164.9	174.5					
G6.0	174.8	165.1	160.7	162.7	174.8					
G7.0	174.8	163.2	158.7	160.5	174.8					
G8.0	174.8	160.7	156.6	158.0	174.8					
G9.0	174.4	158.3	154.0	155.1	174.4					
G10.0	173.8	155.7	151.6	152.2	173.8					
G11.0	172.8	152.6	149.1	149.2	172.8					
G12.0	171.7	149.5	146.1	145.6	171.7					
G13.0	170.4	146.0	143.4	142.3	170.4					
G14.0	169.0	142.7	140.5	138.8	169.0					
G15.0	167.0	139.2	137.8	134.9	167.0					
G16.0	165.0	135.6	135.1	131.2	165.0					
G17.0	162.8	131.5	132.1	127.4	162.8					
G18.0	160.2	127.8	129.2	123.2	160.2					
G19.0	157.3	124.0	126.2	119.2	157.3					
G20.0	154.5	120.2	122.9	114.9	154.5					
G21.0	151.9	116.0	119.8	110.8	151.9					
G22.0	148.8	112.2	116.7	106.8	148.8					
G23.0	145.3	108.3	113.2	102.4	145.3					
G24.0	141.6	104.1	110.1	98.4	141.6					
G25.0	138.1	100.2	106.9	94.5	138.1					
G26.0	134.1	96.5	103.3	90.2	134.1					
G27.0	130.4	92.7	100.0	86.4	130.4					
G28.0	126.4	88.6	96.8	82.7	126.4					
G29.0	122.3	85.1	93.2	78.7	122.3					
G30.0	118.3	81.6	89.9	75.1	118.3					
G31.0	113.9	78.3	86.6	71.7	113.9					
G32.0	109.9	74.8	83.1	68.1	109.9					
G33.0	105.7	71.7	79.9	64.9	105.7					
G34.0	101.2	68.3	76.7	61.8	101.2					
G35.0	97.1	65.4	73.2	58.8	97.1					
G36.0	93.0	62.5	70.2	55.8	93.0					

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 1)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G37.0	88.5	59.4	67.1	53.1	88.5					
G38.0	84.5	56.7	64.2	50.5	84.5					
G39.0	80.7	54.1	61.1	47.8	80.7					
G40.0	77.0	51.5	58.2	45.5	77.0					
G41.0	72.9	48.8	55.5	43.3	72.9					
G42.0	69.2	46.4	52.9	40.9	69.2					
G43.0	65.8	44.1	50.1	38.8	65.8					
G44.0	62.1	41.7	47.6	36.9	62.1					
G45.0	58.9	39.5	45.3	34.8	58.9					
G46.0	55.9	37.5	42.8	33.1	55.9					
G47.0	52.9	35.5	40.7	31.3	52.9					
G48.0	49.9	33.5	38.6	29.7	49.9					
G49.0	47.2	31.7	36.4	28.2	47.2					
G50.0	44.6	30.0	34.4	26.6	44.6					
G51.0	42.2	28.4	32.5	25.3	42.2					
G52.0	39.8	26.8	30.6	24.0	39.8					
G53.0	37.4	25.4	28.9	22.7	37.4					
G54.0	35.3	24.1	27.1	21.4	35.3					
G55.0	33.2	22.9	25.5	20.5	33.2					
G56.0	31.1	21.7	24.0	19.4	31.1					
G57.0	29.3	20.6	22.4	18.5	29.3					
G58.0	27.5	19.6	21.1	17.6	27.5					
G59.0	25.7	18.7	19.9	16.8	25.7					
G60.0	24.1	17.8	18.5	16.0	24.1					
G61.0	22.7	17.0	17.4	15.4	22.7					
G62.0	21.1	16.2	16.4	14.7	21.1					
G63.0	19.8	15.5	15.3	14.1	19.8					
G64.0	18.4	14.9	14.3	13.6	18.4					
G65.0	17.1	14.3	13.4	13.0	17.1					
G66.0	15.7	13.7	12.3	12.5	15.7					
G67.0	14.3	13.1	11.4	12.1	14.3					
G68.0	12.9	12.6	10.4	11.5	12.9					
G69.0	11.3	12.1	9.1	11.1	11.3					
G70.0	10.0	11.7	8.0	10.7	10.0					
G71.0	8.7	11.3	7.1	10.3	8.7					
G72.0	7.5	10.9	6.2	10.0	7.5					
G73.0	6.5	10.6	5.4	9.6	6.5					

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	5.7	10.2	4.7	9.3	5.7					
G75.0	5.0	9.9	4.2	9.0	5.0					
G76.0	4.3	9.5	3.7	8.8	4.3					
G77.0	3.8	9.2	3.2	8.5	3.8					
G78.0	3.4	8.9	2.9	8.2	3.4					
G79.0	2.9	8.6	2.5	8.0	2.9					
G80.0	2.6	8.3	2.2	7.7	2.6					
G81.0	2.3	8.0	2.0	7.5	2.3					
G82.0	1.9	7.8	1.7	7.2	1.9					
G83.0	1.6	7.5	1.4	7.0	1.6					
G84.0	1.3	7.2	1.2	6.7	1.3					
G85.0	1.0	7.0	1.0	6.5	1.0					
G86.0	0.7	6.7	0.7	6.3	0.7					
G87.0	0.4	6.5	0.5	6.0	0.4					
G88.0	0.1	6.3	0.3	5.8	0.1					
G89.0	0.0	6.0	0.2	5.6	0.0					
G90.0	0.0	5.8	0.0	5.4	0.0					
G91.0	0.0	5.6	0.0	5.3	0.0					
G92.0	0.0	5.3	0.0	4.8	0.0					
G93.0	0.0	4.7	0.0	4.2	0.0					
G94.0	0.0	3.9	0.0	3.6	0.0					
G95.0	0.0	3.5	0.0	3.3	0.0					
G96.0	0.0	3.2	0.1	3.0	0.0					
G97.0	0.0	3.0	0.1	3.0	0.0					
G98.0	0.0	2.8	0.1	2.9	0.0					
G99.0	0.0	2.7	0.1	2.7	0.0					
G100.0	0.1	2.5	0.1	2.6	0.1					
G101.0	0.1	2.4	0.1	2.5	0.1					
G102.0	0.1	2.2	0.1	2.4	0.1					
G103.0	0.1	2.1	0.1	2.3	0.1					
G104.0	0.1	2.0	0.1	2.2	0.1					
G105.0	0.1	1.8	0.1	2.1	0.1					
G106.0	0.1	1.8	0.1	2.0	0.1					
G107.0	0.1	1.7	0.2	1.9	0.1					
G108.0	0.1	1.6	0.2	1.8	0.1					
G109.0	0.2	1.5	0.2	1.7	0.2					
G110.0	0.2	1.4	0.2	1.6	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 3)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G111.0	0.2	1.4	0.2	1.6	0.2					
G112.0	0.2	1.3	0.2	1.5	0.2					
G113.0	0.2	1.3	0.2	1.4	0.2					
G114.0	0.2	1.2	0.3	1.3	0.2					
G115.0	0.2	1.2	0.2	1.3	0.2					
G116.0	0.2	1.1	0.3	1.2	0.2					
G117.0	0.2	1.1	0.3	1.2	0.2					
G118.0	0.2	1.0	0.3	1.1	0.2					
G119.0	0.3	1.0	0.3	1.1	0.3					
G120.0	0.3	0.9	0.3	1.0	0.3					
G121.0	0.3	0.8	0.3	0.9	0.3					
G122.0	0.3	0.8	0.3	0.9	0.3					
G123.0	0.3	0.7	0.4	0.8	0.3					
G124.0	0.3	0.7	0.4	0.8	0.3					
G125.0	0.4	0.6	0.4	0.7	0.4					
G126.0	0.4	0.6	0.4	0.7	0.4					
G127.0	0.4	0.6	0.4	0.6	0.4					
G128.0	0.4	0.5	0.4	0.6	0.4					
G129.0	0.4	0.5	0.5	0.6	0.4					
G130.0	0.4	0.5	0.5	0.5	0.4					
G131.0	0.5	0.5	0.5	0.5	0.5					
G132.0	0.5	0.5	0.5	0.5	0.5					
G133.0	0.5	0.5	0.5	0.5	0.5					
G134.0	0.5	0.5	0.6	0.5	0.5					
G135.0	0.5	0.5	0.6	0.5	0.5					
G136.0	0.5	0.5	0.6	0.5	0.5					
G137.0	0.5	0.5	0.6	0.5	0.5					
G138.0	0.6	0.5	0.6	0.6	0.6					
G139.0	0.6	0.6	0.6	0.6	0.6					
G140.0	0.6	0.6	0.6	0.6	0.6					
G141.0	0.6	0.6	0.7	0.6	0.6					
G142.0	0.6	0.6	0.7	0.6	0.6					
G143.0	0.7	0.8	0.7	0.6	0.7					
G144.0	0.7	0.7	0.7	0.7	0.7					
G145.0	0.7	0.7	0.7	0.7	0.7					
G146.0	0.7	0.7	0.7	0.7	0.7					
G147.0	0.7	0.7	0.8	0.7	0.7					

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	0.7	0.7	0.8	0.7	0.7					
G149.0	0.8	0.8	0.8	0.7	0.8					
G150.0	0.8	0.8	0.8	0.8	0.8					
G151.0	0.8	0.8	0.8	0.8	0.8					
G152.0	0.8	0.8	0.8	0.8	0.8					
G153.0	0.8	0.8	0.9	0.8	0.8					
G154.0	0.8	0.8	0.9	0.8	0.8					
G155.0	0.9	0.9	0.9	0.9	0.9					
G156.0	0.9	0.9	0.9	0.9	0.9					
G157.0	0.9	0.9	0.9	0.9	0.9					
G158.0	0.9	0.9	0.9	0.9	0.9					
G159.0	0.9	0.9	1.0	0.9	0.9					
G160.0	0.9	0.9	1.0	0.9	0.9					
G161.0	1.0	0.9	1.0	0.9	1.0					
G162.0	1.0	1.0	1.0	0.9	1.0					
G163.0	1.0	1.0	1.0	1.0	1.0					
G164.0	1.0	1.0	1.0	1.0	1.0					
G165.0	1.0	1.0	1.0	1.0	1.0					
G166.0	1.0	1.0	1.0	1.0	1.0					
G167.0	1.0	1.0	1.1	1.0	1.0					
G168.0	1.0	1.0	1.1	1.0	1.0					
G169.0	1.1	1.0	1.1	1.0	1.1					
G170.0	1.1	1.0	1.1	1.0	1.1					
G171.0	1.1	1.0	1.1	1.0	1.1					
G172.0	1.1	1.1	1.1	1.0	1.1					
G173.0	1.1	1.1	1.1	1.0	1.1					
G174.0	1.1	1.1	1.1	1.1	1.1					
G175.0	1.1	1.1	1.1	1.1	1.1					
G176.0	1.1	1.0	1.1	1.1	1.1					
G177.0	1.1	1.1	1.1	1.1	1.1					
G178.0	1.1	1.1	1.1	1.1	1.1					
G179.0	1.1	1.1	1.1	1.1	1.1					
G180.0	1.1	1.1	1.1	1.1	1.1					

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:

LED Average Luminance Report

Avg.L	cd/m ²
L 0-180(65) av	2257.72
L 0-180(75) av	1110.92
L 0-180(85) av	706.42
L 90-270(65) av	2015.42
L 90-270(75) av	2286.51
L 90-270(85) av	4843.38
L 45(65) av	2136.57
L 45(75) av	1698.71
L 45(85) av	2774.90

Standard: GB/T 29293-2012