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Report No.: TH-4111A Test Time: 2023/3/9 16:39

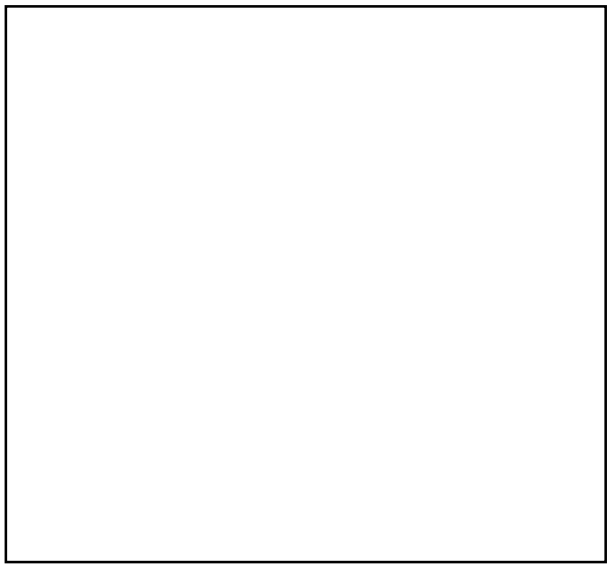
Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Luminaire Description: UN-DMX-DC24-3030RGB-36D6T-18-W12-T3045-UD-全亮
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: 0.558 A Power: 13.39 W
Power Factor: 1.000

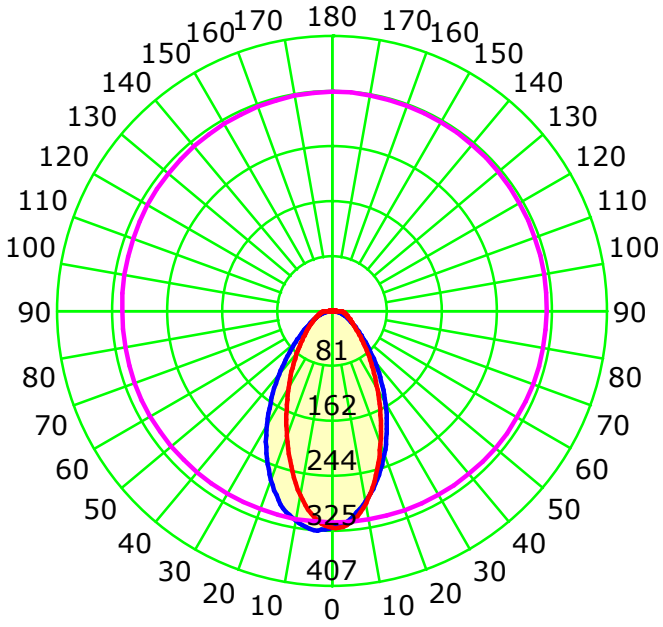
Photometric Results

CIE Class: Direct Total Rated Lamp Lumens: 434.6 lm
Measurement Flux: 434.6 lm Efficiency: 100%
Downward Ratio: 97% Upward Ratio: 3%
Horizontal Diffuse Angle(50%): H63.8
Vertical Diffuse Angle(50%): V51.3
Luminaire Efficacy Rating (LER): 32.51 C0r0 Intensity: 321.18 cd
Max. Intensity: 325.99 cd Pos of Max. Intensity: H180 V4
S/MH(C0/C180): 0.92 S/MH(C90/C270): 0.76

Picture Of Luminaire



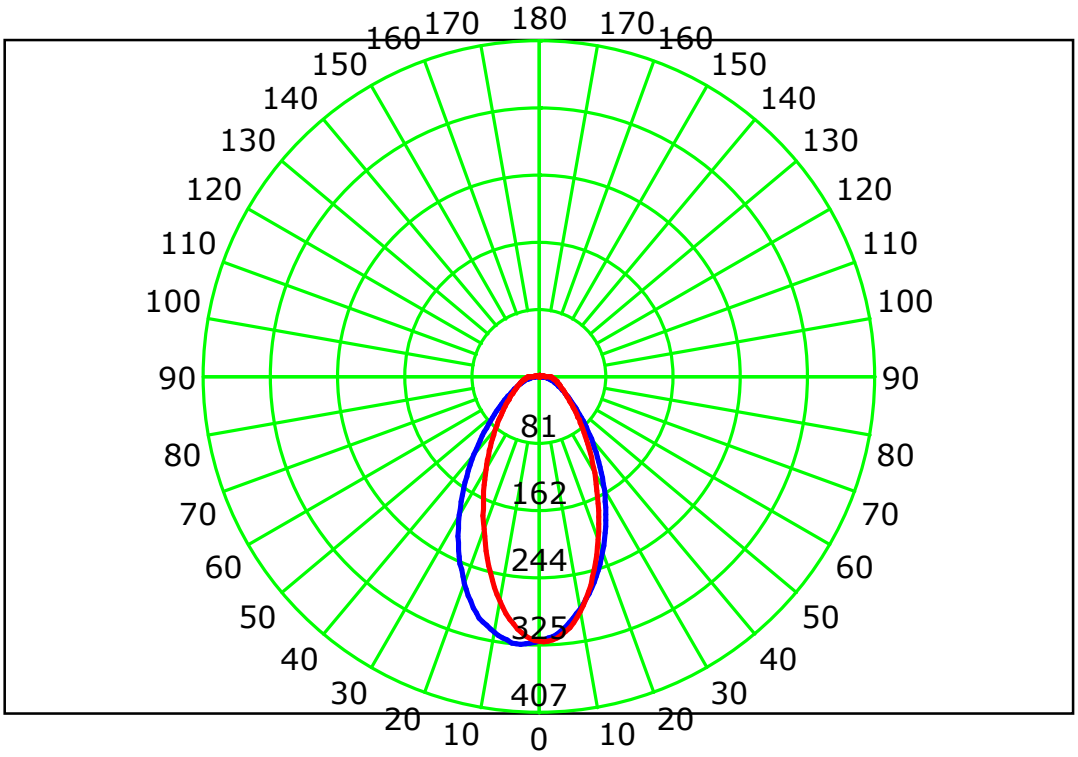
Luminous Intensity Distribution Curve

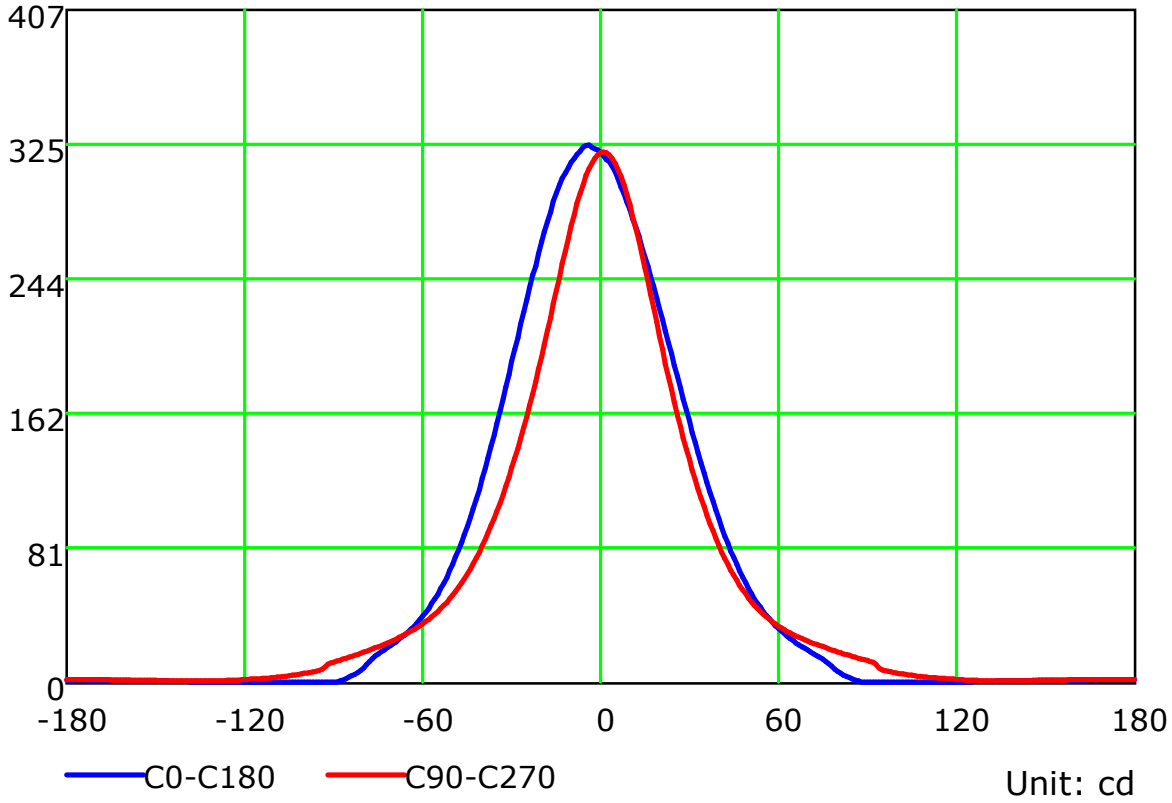


Unit: cd
Average Diffuse Angle(50%): 57.4°
C0-C180 C90-C270 G4

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





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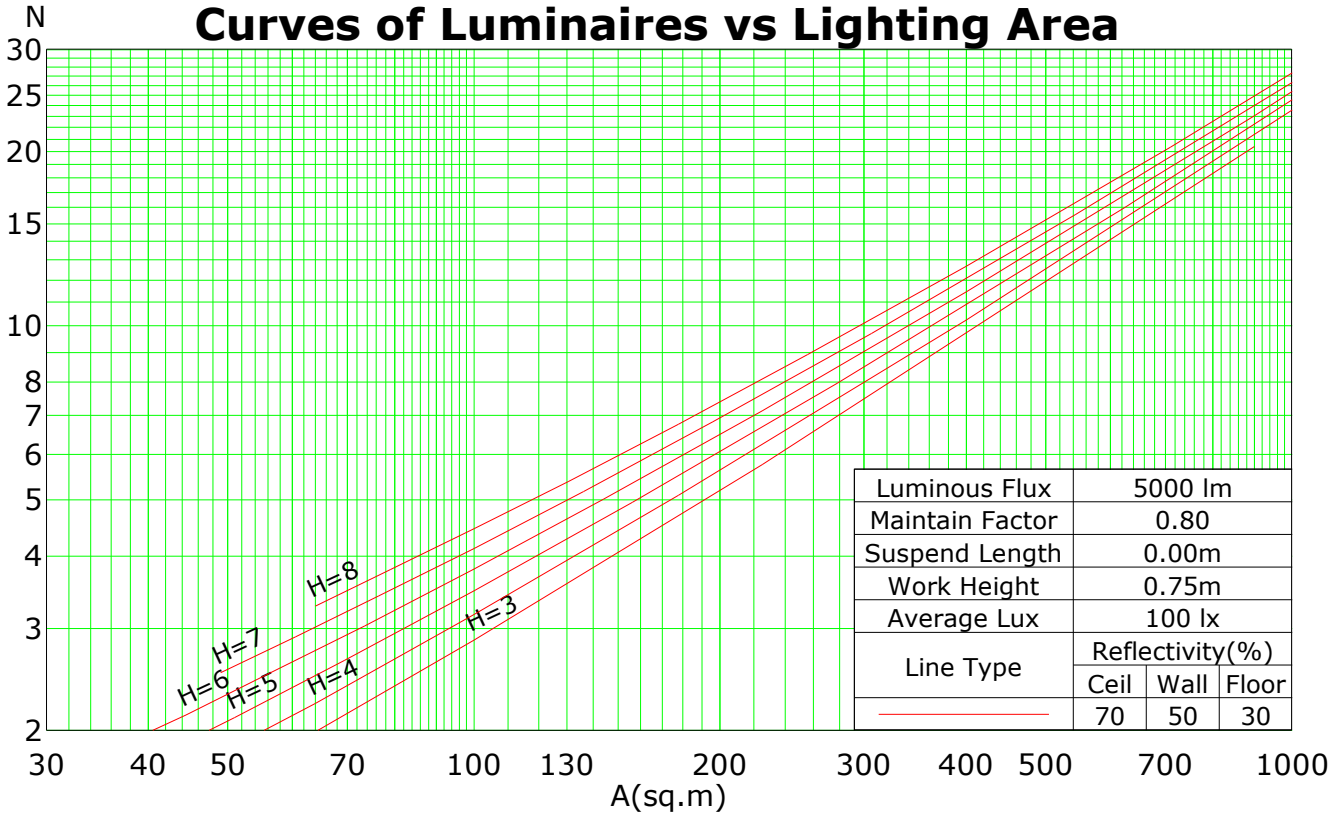
Test Device: GPM-1800B
Distance: 8.607 m [K=1.0000]
Humidity: 65
Inspector:

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	1.04	1.04	1.04	1.00	1.00	1.00	0.97
1	1.10	1.05	1.02	0.98	1.07	1.03	1.00	0.96	0.98	0.95	0.93	0.94	0.92	0.90	0.90	0.88	0.87	0.84
2	1.01	0.94	0.88	0.84	0.99	0.92	0.87	0.82	0.88	0.84	0.80	0.85	0.81	0.78	0.82	0.79	0.76	0.74
3	0.94	0.85	0.78	0.72	0.92	0.83	0.77	0.72	0.80	0.75	0.70	0.77	0.73	0.69	0.74	0.71	0.67	0.65
4	0.88	0.77	0.70	0.64	0.85	0.76	0.69	0.63	0.73	0.67	0.62	0.71	0.65	0.61	0.68	0.64	0.60	0.58
5	0.82	0.71	0.63	0.57	0.80	0.69	0.62	0.57	0.67	0.61	0.56	0.65	0.59	0.55	0.63	0.58	0.54	0.52
6	0.76	0.65	0.57	0.51	0.74	0.64	0.56	0.51	0.62	0.55	0.50	0.60	0.54	0.50	0.58	0.53	0.49	0.47
7	0.72	0.60	0.52	0.47	0.70	0.59	0.52	0.46	0.57	0.51	0.46	0.56	0.50	0.46	0.54	0.49	0.45	0.43
8	0.67	0.55	0.48	0.43	0.66	0.55	0.48	0.43	0.53	0.47	0.42	0.52	0.46	0.42	0.51	0.45	0.42	0.40
9	0.64	0.52	0.44	0.39	0.62	0.51	0.44	0.39	0.50	0.43	0.39	0.49	0.43	0.39	0.47	0.42	0.38	0.37
10	0.60	0.48	0.41	0.37	0.59	0.48	0.41	0.36	0.47	0.40	0.36	0.46	0.40	0.36	0.45	0.39	0.36	0.34

Spacing Criteria (0-180): 0.92
Spacing Criteria (90-270): 0.76
Spacing Criteria (Diagonal): 0.92

Curves of Luminaires vs Lighting Area



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
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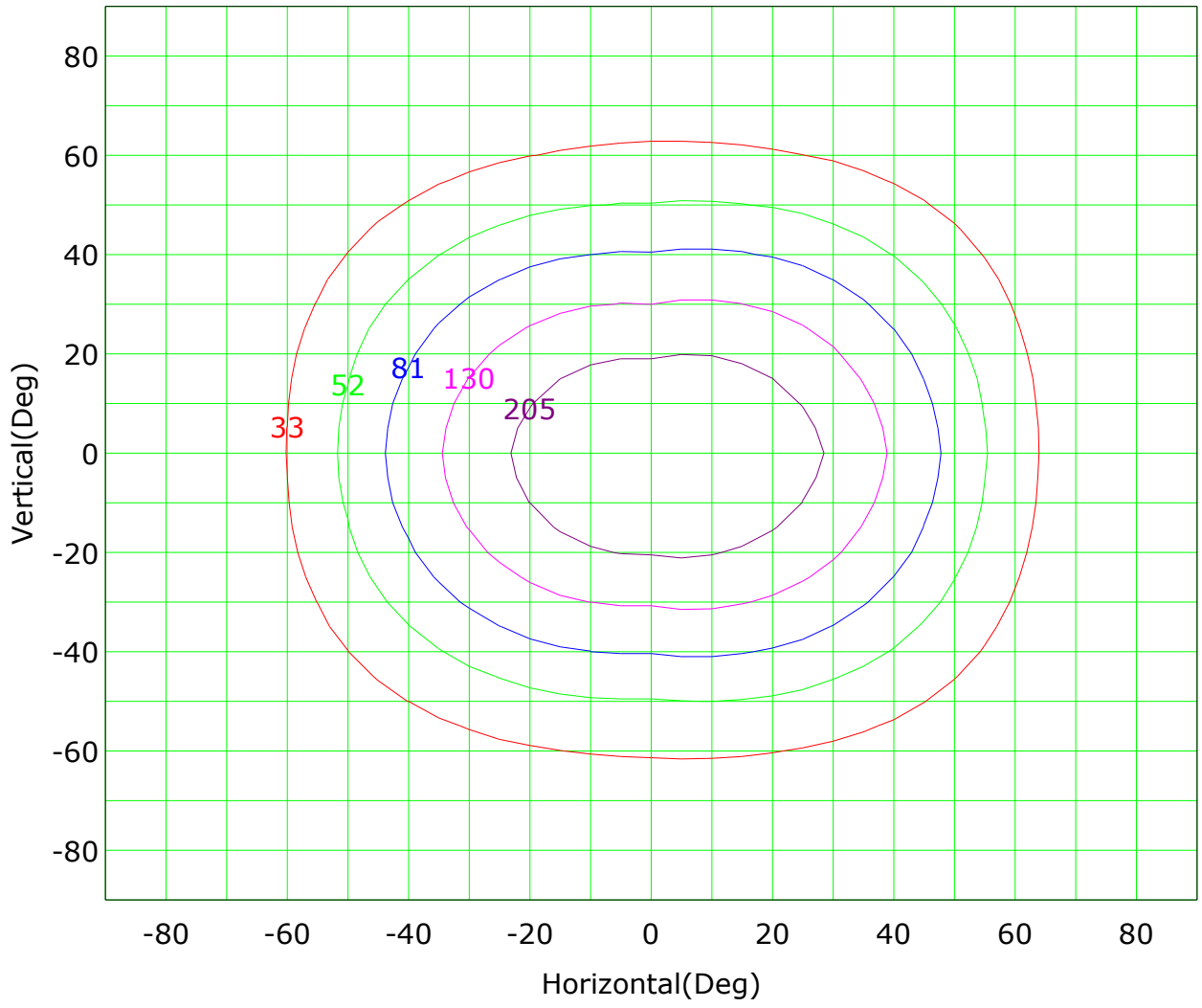
Distance: 8.607 m [K=1.0000]
Humidity: 65
Inspector:

Isocandela (rectangle)



Imax (100%): 326 cd

(10%): 33 cd
(16%): 52 cd
(25%): 81 cd
(40%): 130 cd
(63%): 205 cd
(100%): 326 cd

C Plane (°):0.0-360.0: 90.0
Gamma Plane (°):0.0-180.0:1.0
Test Lab: Inventfine instrument
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Distance: 8.607 m [K=1.0000]
Temperature: 26
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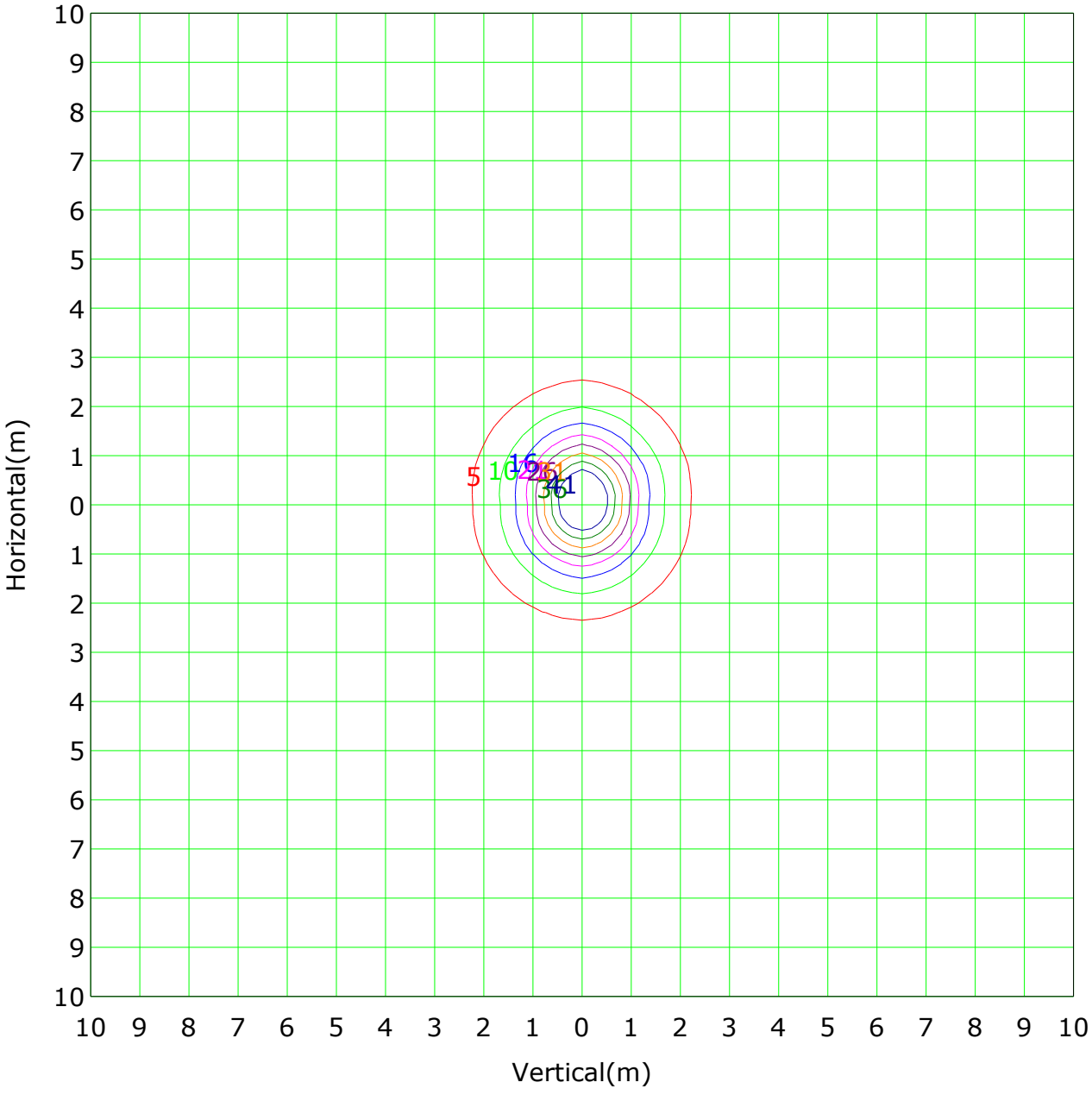
Operator: Jacky
Inspector:

IsoLux Plot



Mounting Height: 2.5m Max Lux(100%): 51.8 lx

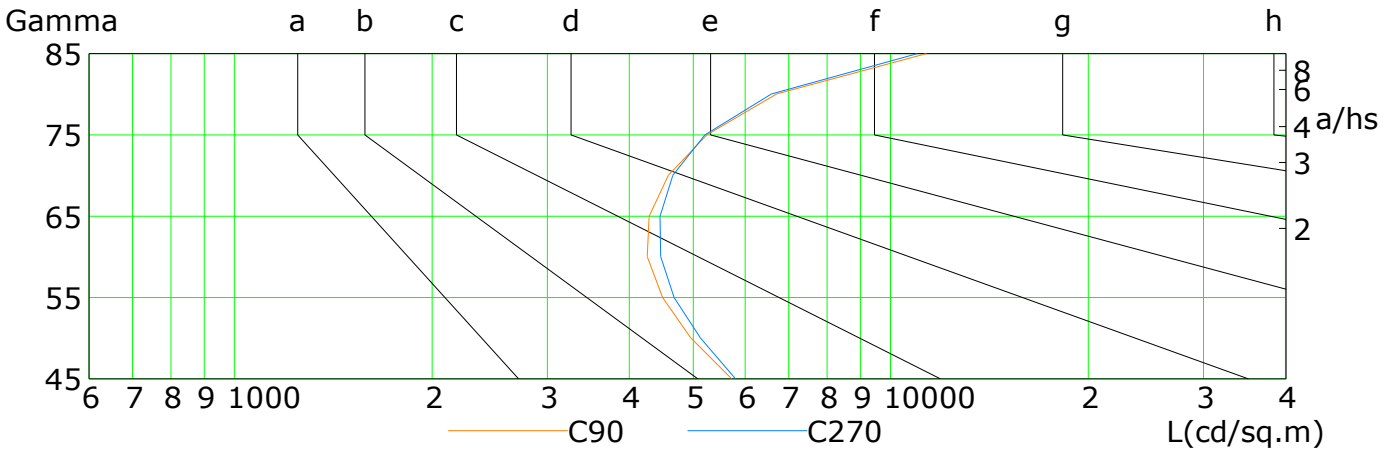
(10%): 5.2 lx	(20%): 10.4 lx
(30%): 15.5 lx	(40%): 20.7 lx
(50%): 25.9 lx	(60%): 31.1 lx
(70%): 36.2 lx	(80%): 41.4 lx

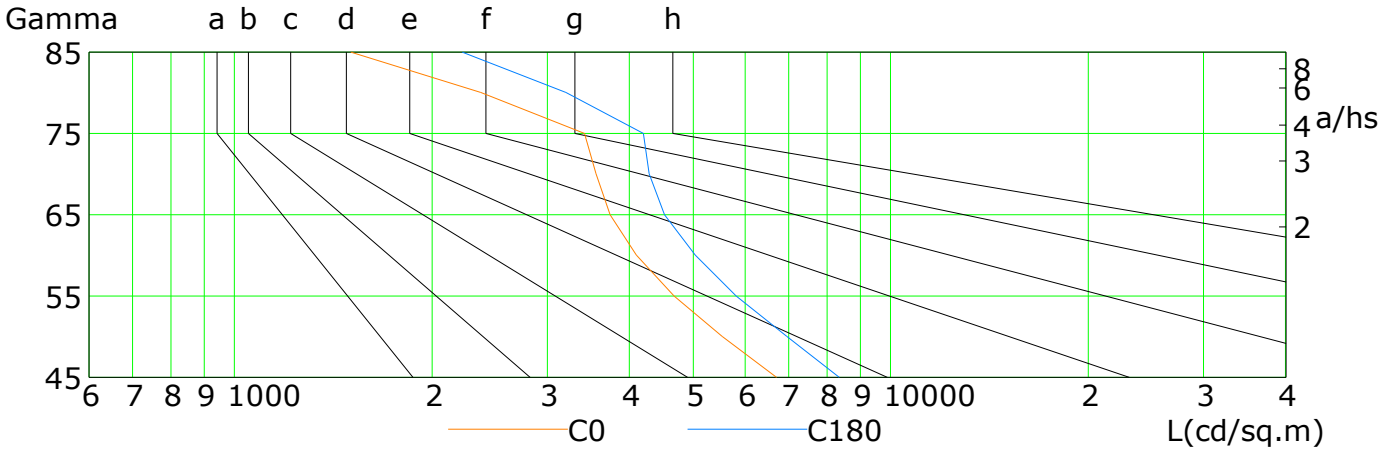
C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

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)							
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



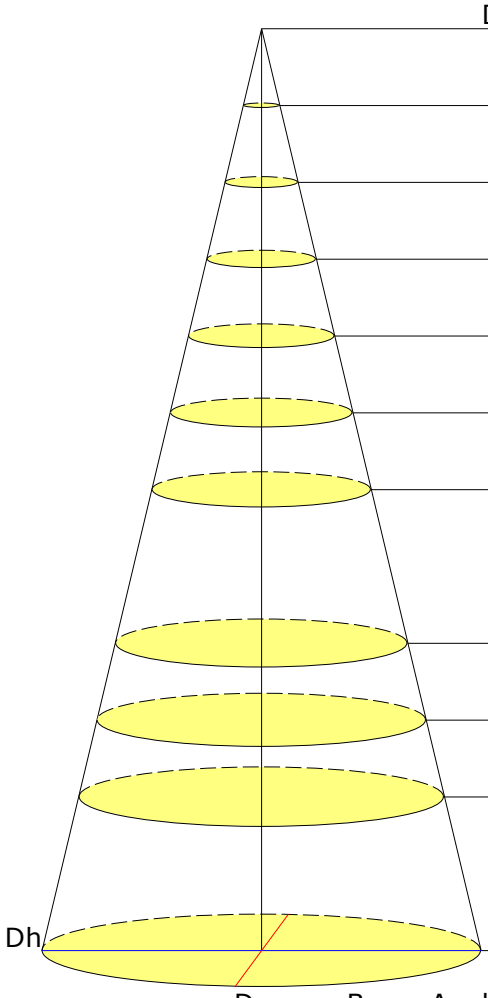


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	6704	5537	4674	4094	3736	3556	3418	2375	1506
C90	5733	4960	4495	4261	4287	4582	5250	6701	11322
C180	8344	6947	5824	5037	4522	4289	4202	3203	2227
C270	5808	5132	4682	4459	4456	4654	5211	6585	10983

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



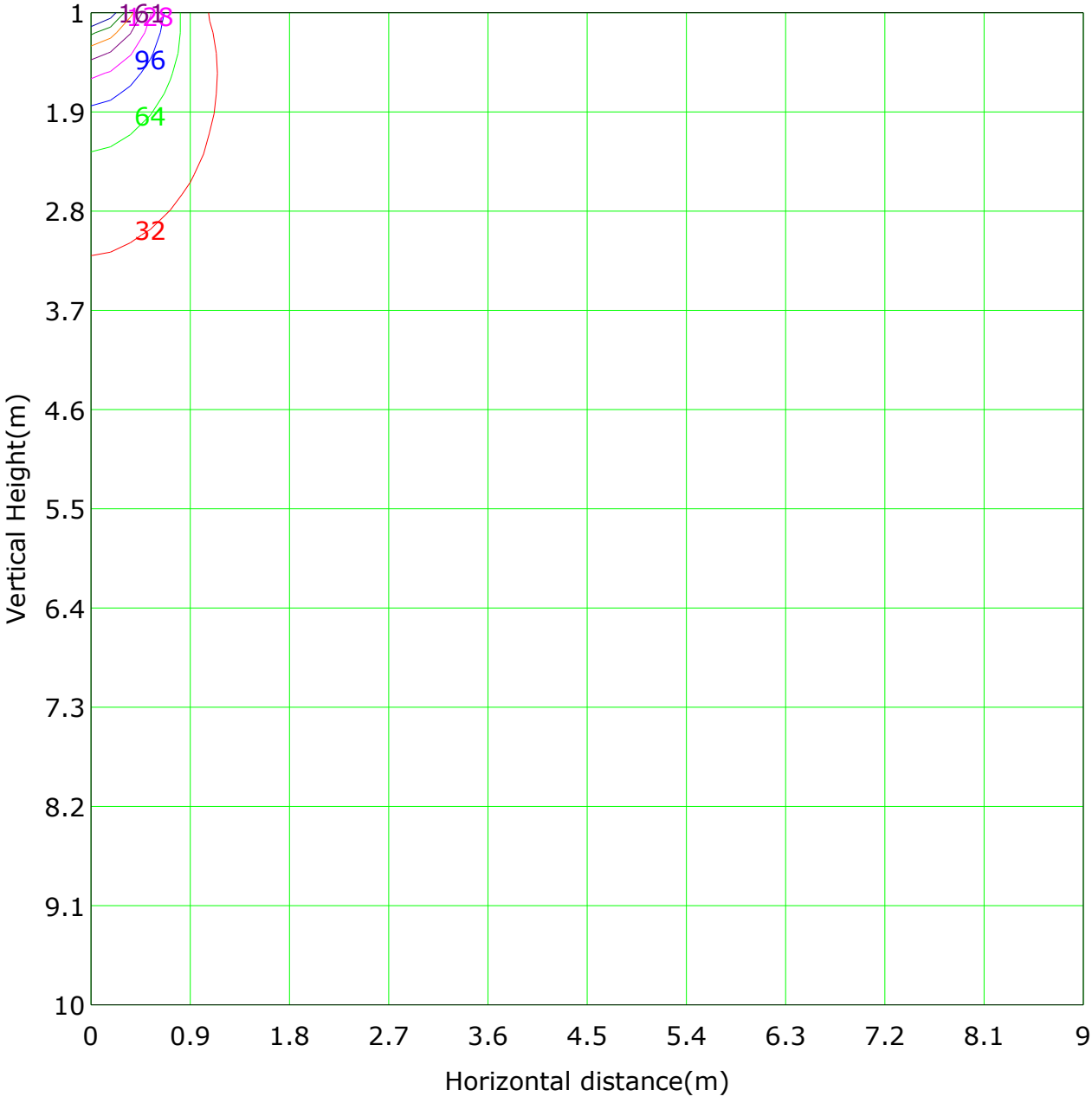
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	321.18	1.24/0.96	1.0	119.77
2.0	80.30	2.47/1.92	3.8	29.94
3.0	35.69	3.71/2.88	8.6	13.31
4.0	20.07	4.95/3.84	15.4	7.49
5.0	12.85	6.18/4.80	24.0	4.79
6.0	8.92	7.42/5.76	34.6	3.33
8.0	5.02	9.90/7.67	61.5	1.87
9.0	3.97	11.13/8.63	77.8	1.48
10.0	3.21	12.37/9.59	96.0	1.20
12.0	2.23	14.84/11.51	138.3	0.83

Beam Angle(B): H63.5 V51.2 Field Angle(F): H124.0 V124.8

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

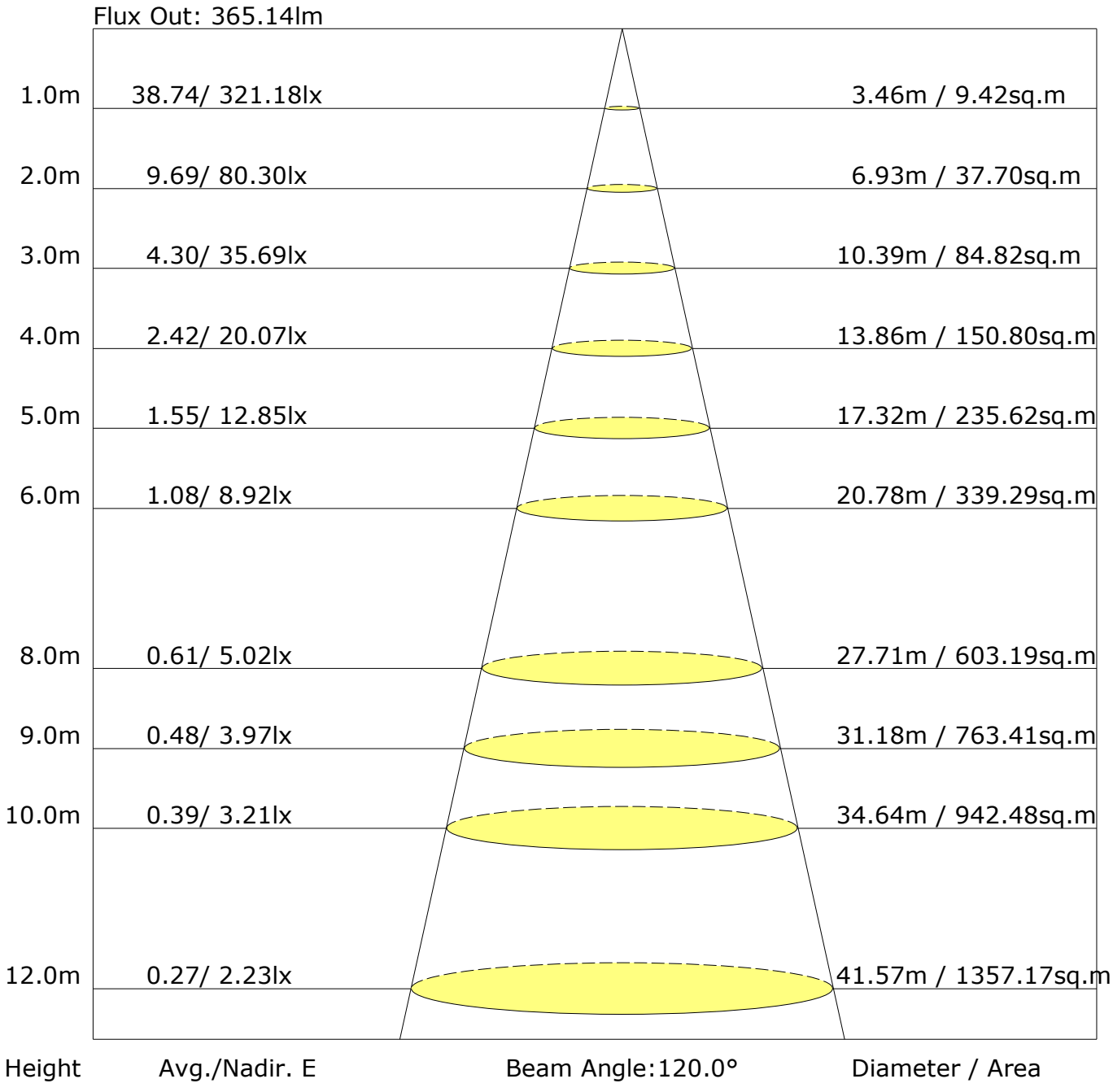


Lowest(m): 1.0m Highest(m): 10.0m Max Lux: 321.2 lx

(10%): 32.1 lx
(20%): 64.2 lx
(30%): 96.4 lx
(40%): 128.5 lx
(50%): 160.6 lx
(60%): 192.7 lx
(70%): 224.8 lx
(80%): 256.9 lx

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:

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	16.4	17.6	16.8	17.9	18.1	16.3	17.5	16.6	17.7	18.0
3H	17.5	18.6	17.9	18.9	19.2	17.8	18.9	18.2	19.2	19.5
4H	18.0	19.0	18.4	19.3	19.7	18.7	19.7	19.1	20.0	20.4
6H	18.3	19.3	18.7	19.6	20.0	19.8	20.7	20.1	21.0	21.4
8H	18.4	19.3	18.8	19.7	20.0	20.3	21.2	20.7	21.6	22.0
12H	18.4	19.3	18.8	19.6	20.0	21.0	21.9	21.4	22.3	22.6
X=4H Y=2H	16.9	17.9	17.3	18.2	18.6	16.8	17.8	17.2	18.1	18.5
3H	18.3	19.1	18.7	19.5	19.9	18.6	19.5	19.0	19.8	20.2
4H	19.0	19.7	19.4	20.1	20.5	19.7	20.4	20.1	20.8	21.3
6H	19.4	20.1	19.9	20.5	21.0	20.9	21.6	21.3	22.0	22.4
8H	19.5	20.2	20.0	20.6	21.1	21.6	22.2	22.1	22.6	23.1
12H	19.6	20.2	20.1	20.6	21.1	22.4	23.0	22.9	23.4	23.9
X=8H Y=4H	19.4	20.0	19.8	20.4	20.9	20.0	20.6	20.5	21.1	21.5
6H	20.0	20.5	20.5	21.0	21.5	21.4	21.9	21.9	22.4	22.9
8H	20.2	20.7	20.7	21.2	21.7	22.3	22.7	22.8	23.2	23.7
12H	20.4	20.8	20.9	21.3	21.9	23.3	23.7	23.8	24.2	24.8
X=12H Y=4H	19.4	20.0	19.9	20.5	21.0	20.0	20.6	20.5	21.0	21.5
6H	20.2	20.6	20.7	21.1	21.7	21.5	21.9	22.0	22.4	23.0
8H	20.5	20.9	21.0	21.4	21.9	22.4	22.8	22.9	23.3	23.9
Variations with the observer position at spacings:										
S=1.0H	+0.3/-0.3					+0.3/-0.3				
S=1.5H	+0.4/-0.7					+0.4/-0.6				
S=2.0H	+0.9/-1.2					+0.4/-1.0				

Calculate in accordance with CIE Pub.117. The table is revised with 435lm (8log(F/F0) = -2.9).

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	321.0	0.3	0.3	0.07	0.07
1.0-2.0	320.4	0.9	1.2	0.21	0.28
2.0-3.0	319.3	1.5	2.8	0.35	0.63
3.0-4.0	317.9	2.1	4.9	0.49	1.12
4.0-5.0	315.6	2.7	7.6	0.62	1.75
5.0-6.0	312.5	3.3	10.9	0.76	2.50
6.0-7.0	308.6	3.8	14.7	0.88	3.39
7.0-8.0	304.1	4.4	19.1	1.00	4.39
8.0-9.0	299.5	4.9	23.9	1.12	5.50
9.0-10.0	294.6	5.3	29.3	1.23	6.73
10.0-11.0	289.2	5.8	35.0	1.33	8.06
11.0-12.0	283.3	6.2	41.2	1.43	9.49
12.0-13.0	277.5	6.6	47.8	1.52	11.00
13.0-14.0	271.2	6.9	54.8	1.60	12.60
14.0-15.0	264.5	7.3	62.0	1.67	14.27
15.0-16.0	257.7	7.6	69.6	1.74	16.01
16.0-17.0	250.6	7.8	77.4	1.80	17.80
17.0-18.0	243.4	8.0	85.4	1.85	19.65
18.0-19.0	236.0	8.2	93.6	1.89	21.54
19.0-20.0	228.7	8.4	102.0	1.93	23.47
20.0-21.0	221.4	8.5	110.5	1.96	25.42
21.0-22.0	214.0	8.6	119.1	1.98	27.40
22.0-23.0	206.8	8.7	127.8	2.00	29.40
23.0-24.0	199.6	8.7	136.5	2.01	31.41
24.0-25.0	192.5	8.8	145.2	2.01	33.42
25.0-26.0	185.4	8.8	154.0	2.01	35.44
26.0-27.0	178.2	8.7	162.7	2.01	37.44
27.0-28.0	171.1	8.7	171.4	1.99	39.44
28.0-29.0	164.4	8.6	180.0	1.98	41.42
29.0-30.0	157.9	8.5	188.5	1.96	43.38
30.0-31.0	151.2	8.4	196.9	1.94	45.31
31.0-32.0	144.7	8.3	205.2	1.91	47.22
32.0-33.0	138.7	8.2	213.4	1.88	49.10
33.0-34.0	132.4	8.0	221.4	1.84	50.95
34.0-35.0	126.4	7.9	229.2	1.81	52.75
35.0-36.0	120.8	7.7	236.9	1.77	54.52

C Plane (°):0.0-360.0: 90.0
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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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	115.2	7.5	244.5	1.73	56.25
37.0-38.0	109.7	7.3	251.8	1.68	57.94
38.0-39.0	104.5	7.1	258.9	1.64	59.58
39.0-40.0	99.6	6.9	265.9	1.60	61.18
40.0-41.0	94.7	6.7	272.6	1.55	62.73
41.0-42.0	90.0	6.5	279.1	1.50	64.23
42.0-43.0	85.6	6.3	285.5	1.46	65.69
43.0-44.0	81.3	6.1	291.6	1.41	67.10
44.0-45.0	77.2	5.9	297.6	1.37	68.47
45.0-46.0	73.4	5.7	303.3	1.32	69.79
46.0-47.0	69.7	5.5	308.8	1.28	71.07
47.0-48.0	66.1	5.3	314.2	1.23	72.30
48.0-49.0	62.8	5.2	319.3	1.19	73.48
49.0-50.0	59.6	5.0	324.3	1.14	74.63
50.0-51.0	56.6	4.8	329.1	1.10	75.73
51.0-52.0	53.8	4.6	333.7	1.06	76.79
52.0-53.0	51.1	4.4	338.2	1.02	77.81
53.0-54.0	48.7	4.3	342.4	0.99	78.80
54.0-55.0	46.3	4.1	346.6	0.95	79.75
55.0-56.0	44.1	4.0	350.6	0.92	80.67
56.0-57.0	42.0	3.8	354.4	0.88	81.55
57.0-58.0	40.1	3.7	358.1	0.85	82.41
58.0-59.0	38.2	3.6	361.7	0.82	83.23
59.0-60.0	36.5	3.5	365.1	0.79	84.02
60.0-61.0	34.9	3.3	368.5	0.77	84.79
61.0-62.0	33.4	3.2	371.7	0.74	85.53
62.0-63.0	32.0	3.1	374.8	0.72	86.25
63.0-64.0	30.7	3.0	377.8	0.69	86.94
64.0-65.0	29.4	2.9	380.7	0.67	87.61
65.0-66.0	28.2	2.8	383.5	0.65	88.25
66.0-67.0	27.0	2.7	386.2	0.63	88.88
67.0-68.0	25.9	2.6	388.9	0.60	89.48
68.0-69.0	24.9	2.5	391.4	0.58	90.07
69.0-70.0	23.9	2.5	393.9	0.56	90.63
70.0-71.0	22.9	2.4	396.2	0.54	91.18
71.0-72.0	21.9	2.3	398.5	0.53	91.70

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	21.0	2.2	400.7	0.51	92.21
73.0-74.0	20.1	2.1	402.8	0.49	92.69
74.0-75.0	19.2	2.0	404.9	0.47	93.16
75.0-76.0	18.2	1.9	406.8	0.44	93.61
76.0-77.0	17.1	1.8	408.6	0.42	94.03
77.0-78.0	16.0	1.7	410.3	0.39	94.42
78.0-79.0	14.8	1.6	411.9	0.37	94.79
79.0-80.0	13.7	1.5	413.4	0.34	95.12
80.0-81.0	12.6	1.4	414.8	0.31	95.44
81.0-82.0	11.7	1.3	416.0	0.29	95.73
82.0-83.0	10.9	1.2	417.2	0.27	96.00
83.0-84.0	10.1	1.1	418.3	0.25	96.26
84.0-85.0	9.4	1.0	419.3	0.24	96.49
85.0-86.0	8.7	1.0	420.3	0.22	96.71
86.0-87.0	8.1	0.9	421.2	0.20	96.92
87.0-88.0	7.5	0.8	422.0	0.19	97.11
88.0-89.0	6.9	0.8	422.8	0.17	97.28
89.0-90.0	6.5	0.7	423.5	0.16	97.45
90.0-91.0	6.3	0.7	424.2	0.16	97.60
91.0-92.0	6.0	0.7	424.8	0.15	97.75
92.0-93.0	5.5	0.6	425.4	0.14	97.89
93.0-94.0	4.6	0.5	425.9	0.12	98.01
94.0-95.0	3.9	0.4	426.4	0.10	98.11
95.0-96.0	3.6	0.4	426.7	0.09	98.20
96.0-97.0	3.4	0.4	427.1	0.09	98.28
97.0-98.0	3.2	0.4	427.5	0.08	98.37
98.0-99.0	3.0	0.3	427.8	0.08	98.44
99.0-100.0	2.8	0.3	428.1	0.07	98.51
100.0-101.0	2.7	0.3	428.4	0.07	98.58
101.0-102.0	2.5	0.3	428.7	0.06	98.64
102.0-103.0	2.4	0.3	428.9	0.06	98.70
103.0-104.0	2.3	0.2	429.2	0.06	98.76
104.0-105.0	2.2	0.2	429.4	0.05	98.81
105.0-106.0	2.0	0.2	429.6	0.05	98.86
106.0-107.0	1.9	0.2	429.8	0.05	98.91
107.0-108.0	1.8	0.2	430.0	0.04	98.95

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	1.7	0.2	430.2	0.04	98.99
109.0-110.0	1.6	0.2	430.4	0.04	99.03
110.0-111.0	1.5	0.2	430.5	0.04	99.07
111.0-112.0	1.4	0.1	430.7	0.03	99.10
112.0-113.0	1.4	0.1	430.8	0.03	99.13
113.0-114.0	1.3	0.1	430.9	0.03	99.16
114.0-115.0	1.2	0.1	431.0	0.03	99.19
115.0-116.0	1.1	0.1	431.2	0.03	99.21
116.0-117.0	1.1	0.1	431.3	0.02	99.24
117.0-118.0	1.0	0.1	431.4	0.02	99.26
118.0-119.0	1.0	0.1	431.5	0.02	99.28
119.0-120.0	0.9	0.1	431.6	0.02	99.30
120.0-121.0	0.9	0.1	431.6	0.02	99.32
121.0-122.0	0.8	0.1	431.7	0.02	99.34
122.0-123.0	0.8	0.1	431.8	0.02	99.36
123.0-124.0	0.7	0.1	431.9	0.02	99.37
124.0-125.0	0.7	0.1	431.9	0.01	99.39
125.0-126.0	0.7	0.1	432.0	0.01	99.40
126.0-127.0	0.8	0.1	432.0	0.02	99.42
127.0-128.0	0.7	0.1	432.1	0.01	99.43
128.0-129.0	0.7	0.1	432.2	0.01	99.45
129.0-130.0	0.7	0.1	432.2	0.01	99.46
130.0-131.0	0.6	0.1	432.3	0.01	99.47
131.0-132.0	0.6	0.1	432.3	0.01	99.48
132.0-133.0	0.7	0.1	432.4	0.01	99.50
133.0-134.0	0.7	0.1	432.4	0.01	99.51
134.0-135.0	0.7	0.1	432.5	0.01	99.52
135.0-136.0	0.7	0.1	432.5	0.01	99.53
136.0-137.0	0.7	0.1	432.6	0.01	99.54
137.0-138.0	0.7	0.1	432.6	0.01	99.56
138.0-139.0	0.8	0.1	432.7	0.01	99.57
139.0-140.0	0.9	0.1	432.8	0.01	99.58
140.0-141.0	0.9	0.1	432.8	0.01	99.60
141.0-142.0	0.9	0.1	432.9	0.01	99.61
142.0-143.0	0.9	0.1	432.9	0.01	99.63
143.0-144.0	1.0	0.1	433.0	0.01	99.64

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	1.0	0.1	433.1	0.01	99.65
145.0-146.0	1.0	0.1	433.1	0.01	99.67
146.0-147.0	1.0	0.1	433.2	0.01	99.68
147.0-148.0	1.1	0.1	433.3	0.01	99.70
148.0-149.0	1.1	0.1	433.3	0.01	99.71
149.0-150.0	1.1	0.1	433.4	0.01	99.73
150.0-151.0	1.2	0.1	433.5	0.01	99.74
151.0-152.0	1.2	0.1	433.5	0.01	99.76
152.0-153.0	1.2	0.1	433.6	0.01	99.77
153.0-154.0	1.3	0.1	433.6	0.01	99.79
154.0-155.0	1.3	0.1	433.7	0.01	99.80
155.0-156.0	1.3	0.1	433.8	0.01	99.81
156.0-157.0	1.3	0.1	433.8	0.01	99.83
157.0-158.0	1.4	0.1	433.9	0.01	99.84
158.0-159.0	1.4	0.1	433.9	0.01	99.85
159.0-160.0	1.4	0.1	434.0	0.01	99.87
160.0-161.0	1.4	0.1	434.0	0.01	99.88
161.0-162.0	1.4	0.1	434.1	0.01	99.89
162.0-163.0	1.5	0.0	434.1	0.01	99.90
163.0-164.0	1.5	0.0	434.2	0.01	99.91
164.0-165.0	1.5	0.0	434.2	0.01	99.92
165.0-166.0	1.5	0.0	434.3	0.01	99.93
166.0-167.0	1.5	0.0	434.3	0.01	99.94
167.0-168.0	1.6	0.0	434.3	0.01	99.95
168.0-169.0	1.6	0.0	434.4	0.01	99.96
169.0-170.0	1.6	0.0	434.4	0.01	99.96
170.0-171.0	1.6	0.0	434.4	0.01	99.97
171.0-172.0	1.6	0.0	434.5	0.01	99.98
172.0-173.0	1.7	0.0	434.5	0.01	99.98
173.0-174.0	1.7	0.0	434.5	0.00	99.99
174.0-175.0	1.7	0.0	434.5	0.00	99.99
175.0-176.0	1.7	0.0	434.5	0.00	99.99
176.0-177.0	1.7	0.0	434.6	0.00	100.00
177.0-178.0	1.7	0.0	434.6	0.00	100.00
178.0-179.0	1.7	0.0	434.6	0.00	100.00
179.0-180.0	1.7	0.0	434.6	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°): 297.55 lm

%lum = 68.5%
%lamp = 68.5%

cone flux(120°): 365.14 lm

%lum = 84.0%
%lamp = 84.0%

Candlepower Table

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G0.0	321.2	321.2	321.2	321.2	321.2					
G1.0	319.4	321.6	322.6	319.9	319.4					
G2.0	317.0	321.1	323.6	317.8	317.0					
G3.0	316.0	319.9	324.2	315.1	316.0					
G4.0	313.0	317.8	326.0	311.4	313.0					
G5.0	309.4	314.6	325.6	307.2	309.4					
G6.0	305.7	311.0	324.7	301.9	305.7					
G7.0	300.3	306.7	321.8	296.5	300.3					
G8.0	295.8	301.3	320.1	290.6	295.8					
G9.0	291.3	295.7	317.8	283.6	291.3					
G10.0	286.7	289.6	315.1	276.7	286.7					
G11.0	281.1	282.4	312.1	269.5	281.1					
G12.0	276.0	275.5	308.6	261.4	276.0					
G13.0	270.5	268.1	305.7	253.8	270.5					
G14.0	264.3	260.4	301.6	245.3	264.3					
G15.0	258.4	251.7	296.6	237.5	258.4					
G16.0	252.4	243.6	291.6	229.7	252.4					
G17.0	246.2	235.4	284.9	221.1	246.2					
G18.0	239.9	227.1	279.1	213.4	239.9					
G19.0	232.8	218.1	273.2	204.8	232.8					
G20.0	226.3	209.9	267.1	197.2	226.3					
G21.0	219.7	201.8	259.8	189.8	219.7					
G22.0	213.1	193.1	252.5	182.5	213.1					
G23.0	205.8	185.3	247.0	174.7	205.8					
G24.0	199.1	177.7	239.3	167.8	199.1					
G25.0	192.4	170.1	232.2	161.2	192.4					
G26.0	185.8	162.2	224.4	154.6	185.8					
G27.0	178.4	155.1	217.2	147.7	178.4					
G28.0	171.6	148.2	209.1	141.7	171.6					
G29.0	165.0	141.6	201.9	136.0	165.0					
G30.0	158.5	135.2	194.5	130.3	158.5					
G31.0	151.6	128.6	186.5	124.3	151.6					
G32.0	145.5	122.9	179.2	119.1	145.5					
G33.0	139.3	117.3	171.9	114.0	139.3					
G34.0	132.7	111.5	164.2	108.6	132.7					
G35.0	126.9	106.3	157.0	103.9	126.9					
G36.0	121.1	101.4	150.1	99.4	121.1					

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:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G37.0	115.0	96.2	143.3	95.1	115.0					
G38.0	109.4	91.7	136.2	90.5	109.4					
G39.0	104.7	87.4	129.8	86.6	104.7					
G40.0	99.0	82.9	123.6	82.9	99.0					
G41.0	94.1	79.0	117.0	79.0	94.1					
G42.0	88.8	75.3	111.2	75.5	88.8					
G43.0	84.3	71.7	105.6	72.1	84.3					
G44.0	79.6	68.0	100.1	69.0	79.6					
G45.0	75.8	64.9	94.4	65.7	75.8					
G46.0	71.8	61.9	89.5	62.9	71.8					
G47.0	67.6	58.7	84.8	60.2	67.6					
G48.0	63.7	56.1	80.3	57.4	63.7					
G49.0	60.2	53.6	75.9	55.1	60.2					
G50.0	56.9	51.0	71.5	52.8	56.9					
G51.0	53.6	48.8	67.5	50.5	53.6					
G52.0	50.7	46.8	63.5	48.5	50.7					
G53.0	48.0	44.7	60.1	46.6	48.0					
G54.0	45.5	42.9	56.8	44.6	45.5					
G55.0	42.9	41.3	53.4	43.0	42.9					
G56.0	40.6	39.7	50.6	41.3	40.6					
G57.0	38.5	38.1	47.8	39.7	38.5					
G58.0	36.5	36.7	44.9	38.3	36.5					
G59.0	34.5	35.4	42.5	37.0	34.5					
G60.0	32.7	34.1	40.3	35.7	32.7					
G61.0	31.1	33.0	38.2	34.4	31.1					
G62.0	29.6	31.9	36.0	33.2	29.6					
G63.0	28.0	31.0	34.1	32.2	28.0					
G64.0	26.6	30.0	32.4	31.1	26.6					
G65.0	25.3	29.0	30.6	30.1	25.3					
G66.0	24.0	28.1	29.0	29.2	24.0					
G67.0	22.8	27.3	27.6	28.0	22.8					
G68.0	21.7	26.5	26.1	27.2	21.7					
G69.0	20.6	25.8	24.7	26.4	20.6					
G70.0	19.5	25.1	23.5	25.5	19.5					
G71.0	18.5	24.3	22.2	24.6	18.5					
G72.0	17.4	23.6	21.0	23.9	17.4					
G73.0	16.3	23.0	19.8	23.2	16.3					

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:

Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G74.0	15.2	22.4	18.7	22.4	15.2					
G75.0	14.2	21.7	17.4	21.6	14.2					
G76.0	12.7	21.1	15.9	21.0	12.7					
G77.0	11.3	20.5	14.4	20.2	11.3					
G78.0	9.7	19.8	12.6	19.6	9.7					
G79.0	8.1	19.2	10.7	18.9	8.1					
G80.0	6.6	18.6	8.9	18.3	6.6					
G81.0	5.5	18.1	7.4	17.7	5.5					
G82.0	4.5	17.5	6.1	17.0	4.5					
G83.0	3.6	16.9	5.0	16.4	3.6					
G84.0	2.9	16.4	4.0	15.8	2.9					
G85.0	2.1	15.8	3.1	15.3	2.1					
G86.0	1.5	15.2	2.3	14.7	1.5					
G87.0	0.9	14.7	1.5	14.0	0.9					
G88.0	0.0	14.2	0.9	13.5	0.0					
G89.0	0.0	13.7	0.0	13.0	0.0					
G90.0	0.0	13.2	0.0	12.4	0.0					
G91.0	0.0	12.7	0.0	11.9	0.0					
G92.0	0.0	12.1	0.0	11.2	0.0					
G93.0	0.0	11.0	0.0	9.5	0.0					
G94.0	0.0	8.8	0.0	7.9	0.0					
G95.0	0.0	7.6	0.0	7.3	0.0					
G96.0	0.0	7.1	0.0	6.9	0.0					
G97.0	0.0	6.8	0.0	6.5	0.0					
G98.0	0.0	6.4	0.0	6.1	0.0					
G99.0	0.0	6.0	0.0	5.7	0.0					
G100.0	0.0	5.6	0.0	5.4	0.0					
G101.0	0.0	5.3	0.0	5.1	0.0					
G102.0	0.0	5.1	0.0	4.8	0.0					
G103.0	0.0	4.8	0.0	4.5	0.0					
G104.0	0.0	4.6	0.0	4.3	0.0					
G105.0	0.0	4.3	0.0	4.0	0.0					
G106.0	0.0	4.1	0.0	3.8	0.0					
G107.0	0.0	3.9	0.0	3.6	0.0					
G108.0	0.0	3.7	0.0	3.4	0.0					
G109.0	0.0	3.5	0.0	3.2	0.0					
G110.0	0.0	3.3	0.0	3.1	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	3.1	0.0	2.9	0.0					
G112.0	0.0	2.9	0.0	2.7	0.0					
G113.0	0.0	2.7	0.0	2.6	0.0					
G114.0	0.0	2.5	0.0	2.4	0.0					
G115.0	0.0	2.5	0.0	2.2	0.0					
G116.0	0.0	2.3	0.0	2.1	0.0					
G117.0	0.0	2.2	0.0	2.0	0.0					
G118.0	0.0	2.1	0.0	1.9	0.0					
G119.0	0.0	2.0	0.0	1.8	0.0					
G120.0	0.0	1.9	0.0	1.7	0.0					
G121.0	0.0	1.7	0.0	1.6	0.0					
G122.0	0.0	1.7	0.0	1.6	0.0					
G123.0	0.0	1.6	0.0	1.4	0.0					
G124.0	0.0	1.5	0.0	1.3	0.0					
G125.0	0.0	1.4	0.0	1.3	0.0					
G126.0	0.6	1.3	0.0	1.2	0.6					
G127.0	0.6	1.2	0.0	1.1	0.6					
G128.0	0.6	1.1	0.0	1.1	0.6					
G129.0	0.6	1.1	0.0	1.0	0.6					
G130.0	0.6	1.0	0.0	1.0	0.6					
G131.0	0.7	0.8	0.0	1.0	0.7					
G132.0	0.7	1.0	0.0	1.0	0.7					
G133.0	0.8	1.0	0.0	0.9	0.8					
G134.0	0.8	0.9	0.0	0.9	0.8					
G135.0	0.8	0.9	0.0	0.9	0.8					
G136.0	0.8	0.9	0.0	0.9	0.8					
G137.0	0.8	0.9	0.0	0.9	0.8					
G138.0	0.9	1.0	0.0	0.9	0.9					
G139.0	0.9	1.0	0.6	0.9	0.9					
G140.0	1.0	1.0	0.6	0.8	1.0					
G141.0	1.0	1.0	0.6	0.9	1.0					
G142.0	1.1	1.0	0.7	1.0	1.1					
G143.0	1.0	1.1	0.7	1.0	1.0					
G144.0	1.1	1.1	0.7	1.0	1.1					
G145.0	1.1	1.2	0.8	1.0	1.1					
G146.0	1.2	1.2	0.8	1.1	1.2					
G147.0	1.1	1.2	0.8	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:

Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G148.0	1.2	1.2	0.9	1.2	1.2					
G149.0	1.2	1.3	0.8	1.1	1.2					
G150.0	1.2	1.3	0.9	1.2	1.2					
G151.0	1.3	1.3	0.9	1.2	1.3					
G152.0	1.3	1.4	0.9	1.2	1.3					
G153.0	1.3	1.4	0.9	1.3	1.3					
G154.0	1.4	1.4	1.0	1.3	1.4					
G155.0	1.4	1.5	1.0	1.3	1.4					
G156.0	1.5	1.5	1.0	1.3	1.5					
G157.0	1.4	1.4	1.1	1.3	1.4					
G158.0	1.5	1.6	1.1	1.4	1.5					
G159.0	1.5	1.6	1.2	1.4	1.5					
G160.0	1.5	1.7	1.2	1.4	1.5					
G161.0	1.5	1.6	1.2	1.4	1.5					
G162.0	1.5	1.6	1.2	1.5	1.5					
G163.0	1.5	1.7	1.2	1.5	1.5					
G164.0	1.5	1.7	1.3	1.5	1.5					
G165.0	1.6	1.7	1.3	1.6	1.6					
G166.0	1.6	1.7	1.3	1.6	1.6					
G167.0	1.5	1.7	1.3	1.6	1.5					
G168.0	1.6	1.7	1.3	1.6	1.6					
G169.0	1.7	1.7	1.4	1.6	1.7					
G170.0	1.7	1.8	1.4	1.6	1.7					
G171.0	1.7	1.8	1.4	1.6	1.7					
G172.0	1.7	1.8	1.5	1.6	1.7					
G173.0	1.7	1.8	1.5	1.7	1.7					
G174.0	1.7	1.8	1.5	1.7	1.7					
G175.0	1.8	1.8	1.6	1.7	1.8					
G176.0	1.8	1.8	1.5	1.7	1.8					
G177.0	1.8	1.8	1.6	1.7	1.8					
G178.0	1.7	1.8	1.5	1.7	1.7					
G179.0	1.7	1.8	1.5	1.7	1.7					
G180.0	1.8	1.8	1.5	1.8	1.8					

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	4129.27
L 0-180(75) av	3809.97
L 0-180(85) av	1866.66
L 90-270(65) av	4371.37
L 90-270(75) av	5230.32
L 90-270(85) av	11152.60
L 45(65) av	4250.32
L 45(75) av	4520.15
L 45(85) av	6509.63

Standard: GB/T 29293-2012

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: