

Report No.: TH-4114A

Test Time: 2023/3/10 10:08

## Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Luminaire Description: UN-GJ-DC24-2835-48-16-940-2C1616-T301+2P65

Lamp Catalog:

Lamp Description:

Number of Lamps:

Lumens per Lamp:

Luminous Length (mm): 1000

Luminous Width (mm): 16

Luminous Height (mm):

Voltage: 24 V

Current: 0.714 A

Power: 17.13 W

Power Factor: 1.000

## Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 1175.6 lm

Measurement Flux: 1175.6 lm

Efficiency: 100%

Downward Ratio: 98%

Upward Ratio: 2%

Horizontal Diffuse Angle(50%): H33.5

Vertical Diffuse Angle(50%): V33.2

Luminaire Efficacy Rating (LER): 68.68

C0r0 Intensity: 1836.54 cd

Max. Intensity: 1842.07 cd

Pos of Max. Intensity: H180 V1

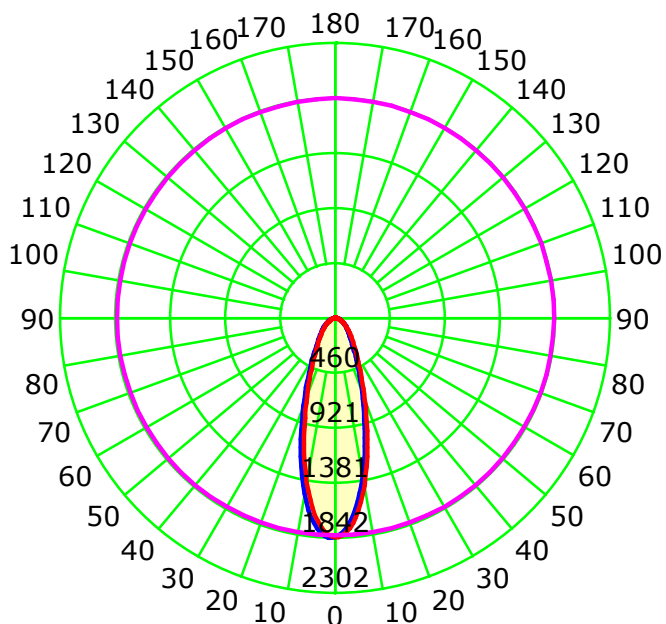
S/MH(C0/C180): 0.55

S/MH(C90/C270): 0.54

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 33.4°

— C0-C180 — C90-C270 — G1

C Plane (°):0.0-360.0: 30.0

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]

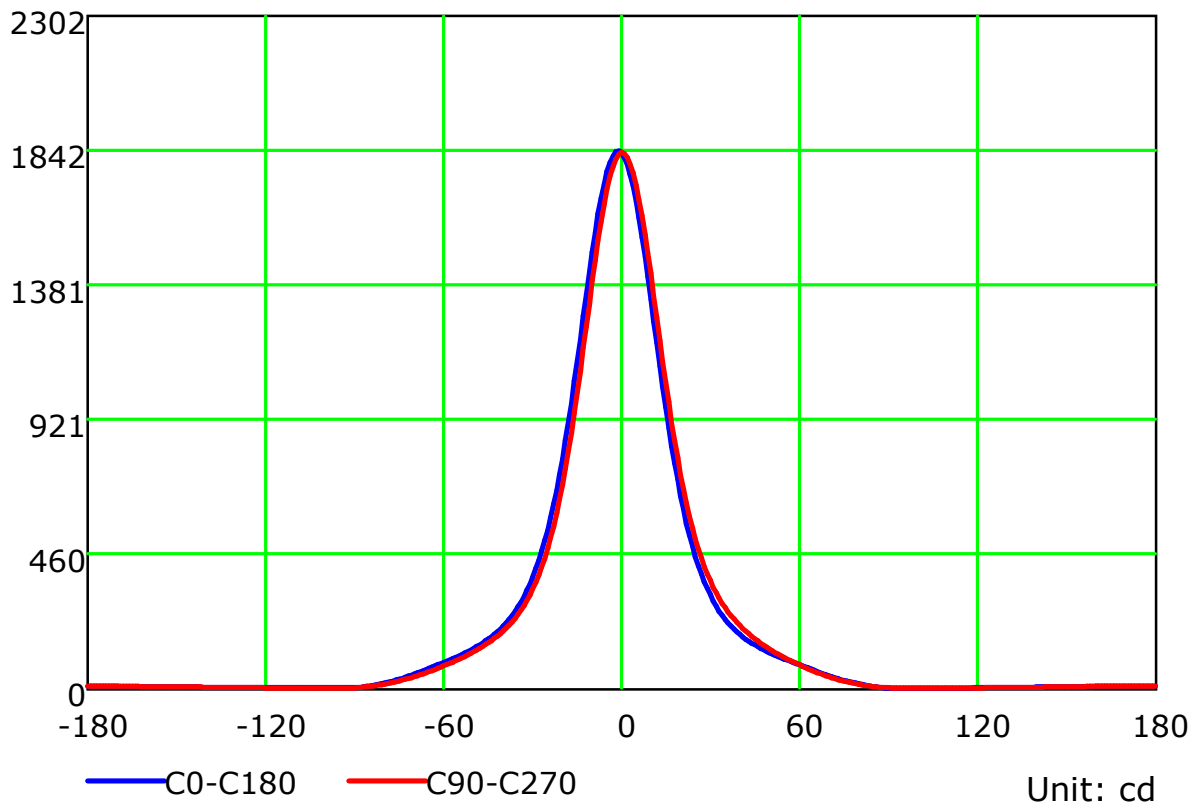
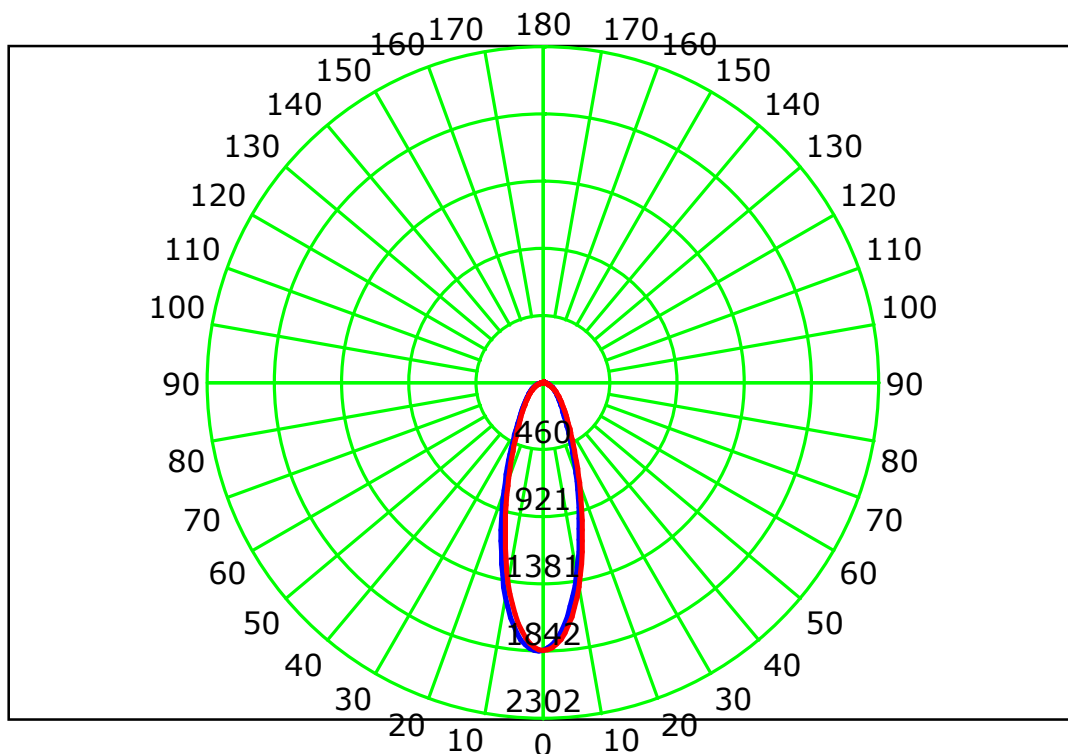
Temperature: 26

Humidity: 65

Operator: Jacky

Inspector:

## Luminous Intensity Distribution Curve



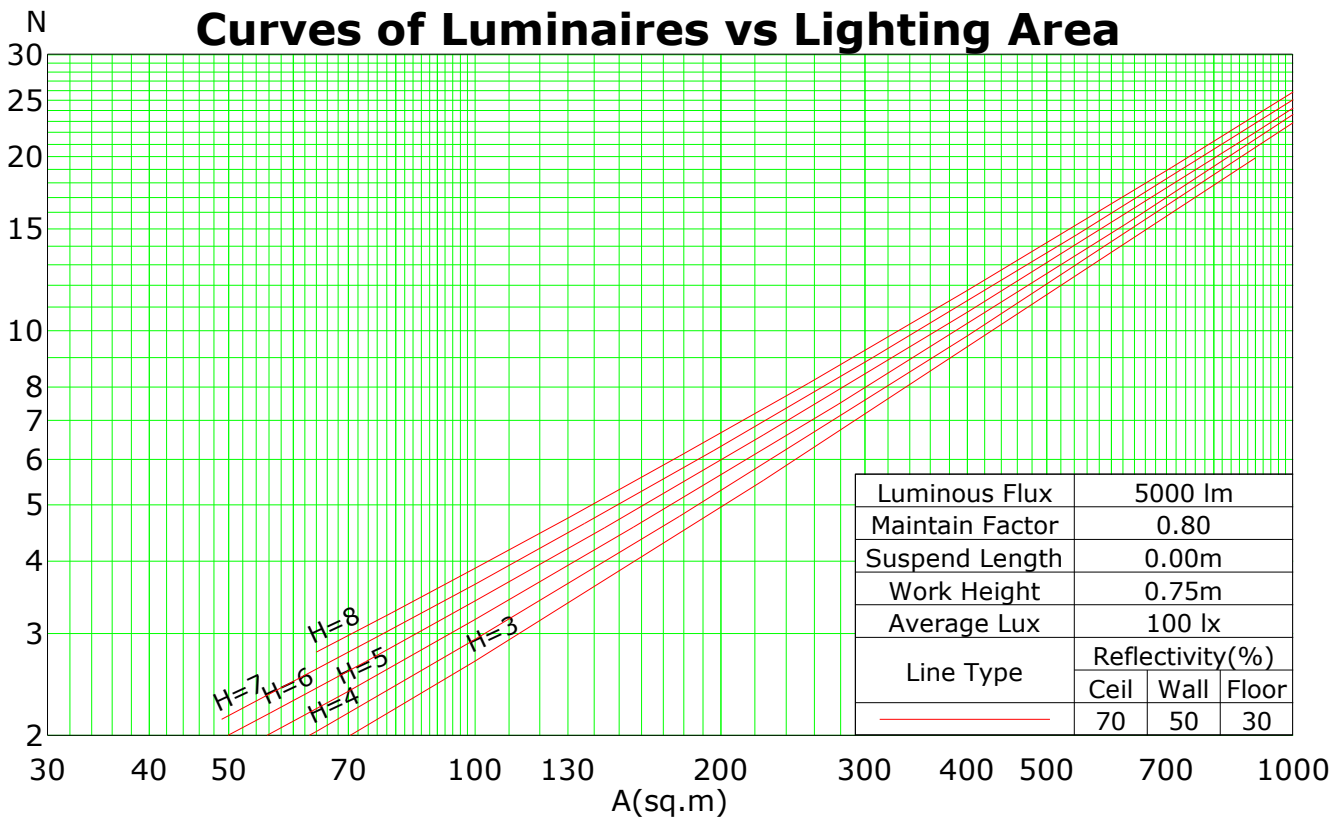
C Plane (°):0.0-360.0: 30.0  
Test Lab: Inventfine instrument  
Test Type: TYPE C  
Temperature: 26  
Operator: Jacky

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	1.11	1.08	1.05	1.02	1.09	1.06	1.03	1.00	1.01	0.99	0.97	0.97	0.95	0.94	0.93	0.92	0.91	0.89
2	1.04	0.98	0.93	0.89	1.02	0.97	0.92	0.88	0.93	0.89	0.86	0.90	0.87	0.84	0.87	0.84	0.82	0.80
3	0.98	0.90	0.84	0.79	0.96	0.89	0.83	0.79	0.86	0.81	0.77	0.83	0.79	0.76	0.80	0.77	0.74	0.72
4	0.92	0.83	0.77	0.72	0.90	0.82	0.76	0.71	0.79	0.74	0.70	0.77	0.73	0.69	0.75	0.71	0.68	0.66
5	0.87	0.77	0.70	0.65	0.85	0.76	0.70	0.65	0.74	0.69	0.64	0.72	0.67	0.64	0.70	0.66	0.63	0.61
6	0.82	0.72	0.65	0.60	0.80	0.71	0.65	0.60	0.69	0.64	0.59	0.68	0.63	0.59	0.66	0.62	0.58	0.57
7	0.78	0.67	0.61	0.56	0.76	0.67	0.60	0.56	0.65	0.59	0.55	0.64	0.59	0.55	0.62	0.58	0.54	0.53
8	0.74	0.63	0.57	0.52	0.73	0.63	0.56	0.52	0.61	0.56	0.52	0.60	0.55	0.51	0.59	0.54	0.51	0.50
9	0.70	0.60	0.53	0.49	0.69	0.59	0.53	0.49	0.58	0.53	0.49	0.57	0.52	0.48	0.56	0.51	0.48	0.47
10	0.67	0.57	0.50	0.46	0.66	0.56	0.50	0.46	0.55	0.50	0.46	0.54	0.49	0.46	0.53	0.49	0.45	0.44

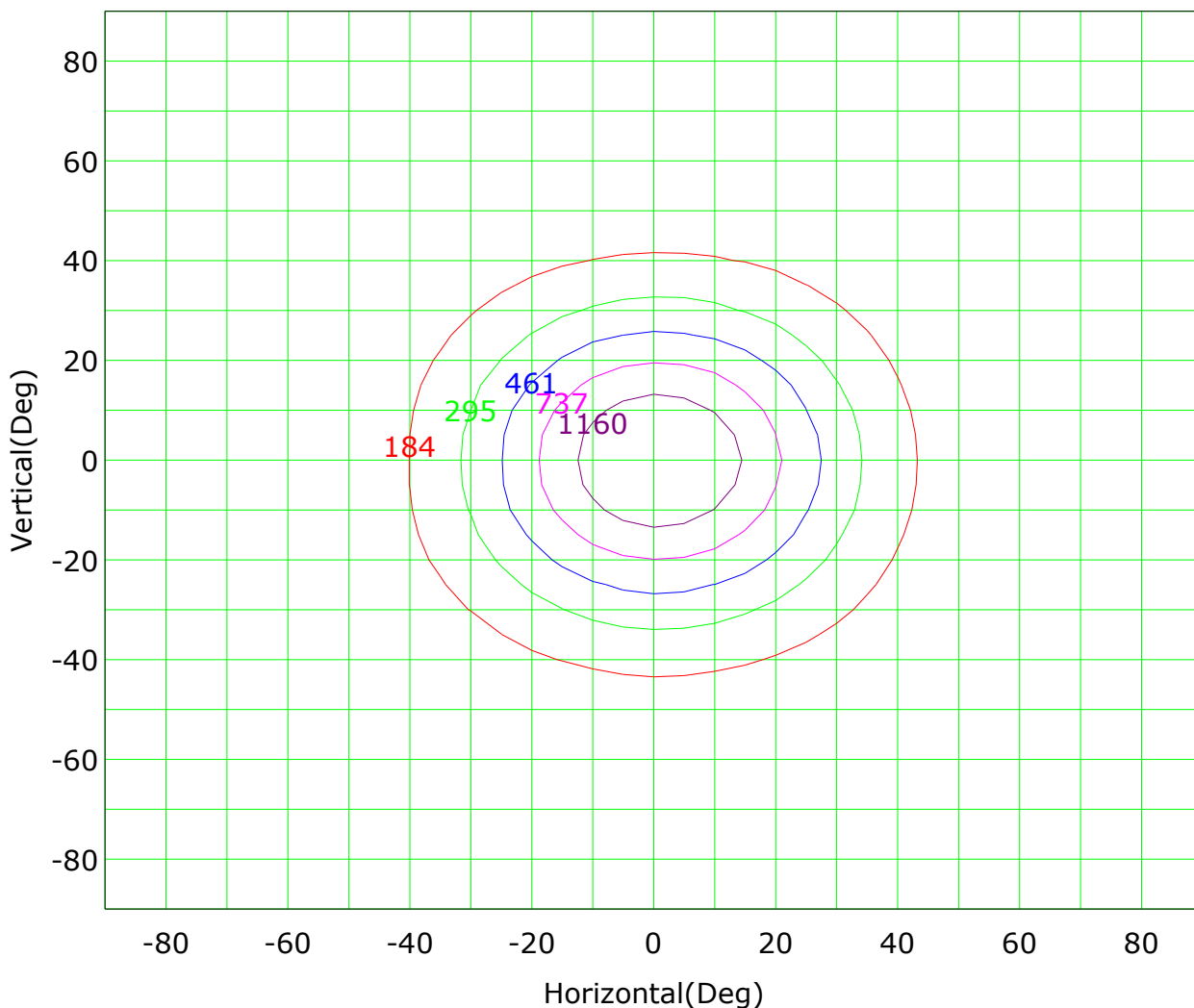
Spacing Criteria (0-180): 0.55  
 Spacing Criteria (90-270): 0.54  
 Spacing Criteria (Diagonal): 0.59



C Plane (°):0.0-360.0: 30.0  
 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)



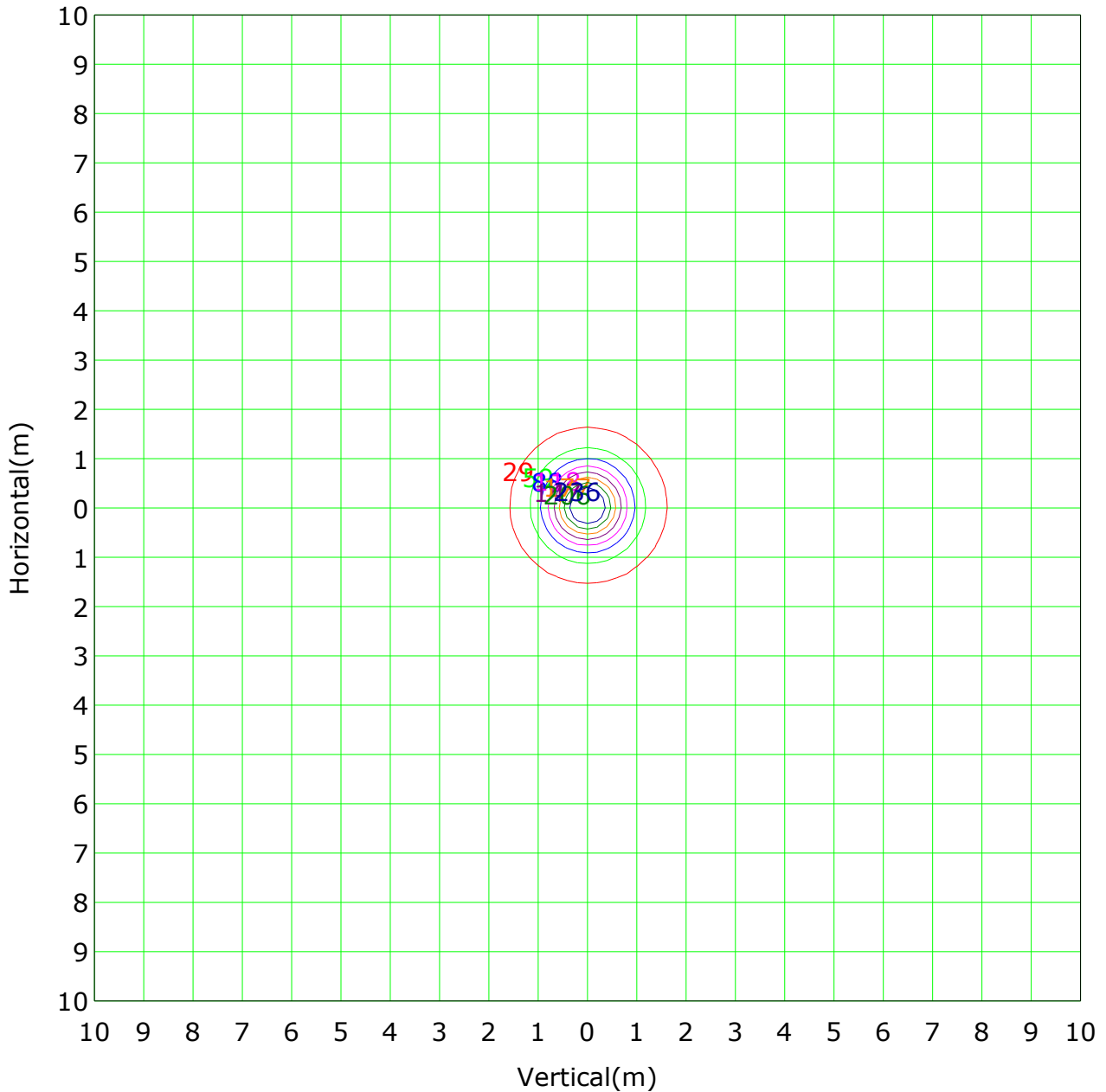
Imax (100%): 1842 cd

— ( 10%): 184 cd	— ( 16%): 295 cd
— ( 25%): 461 cd	— ( 40%): 737 cd
— ( 63%): 1160 cd	— (100%): 1842 cd

C Plane (°):0.0-360.0: 30.0  
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%): 294.6 lx

( 10%): 29.5 lx	( 20%): 58.9 lx
( 30%): 88.4 lx	( 40%): 117.8 lx
( 50%): 147.3 lx	( 60%): 176.8 lx
( 70%): 206.2 lx	( 80%): 235.7 lx

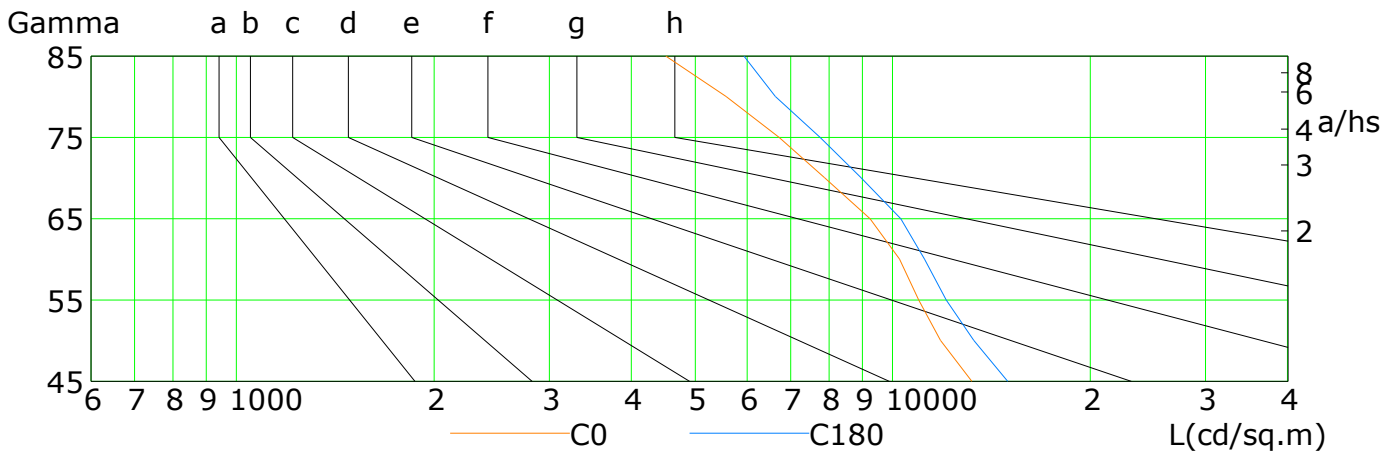
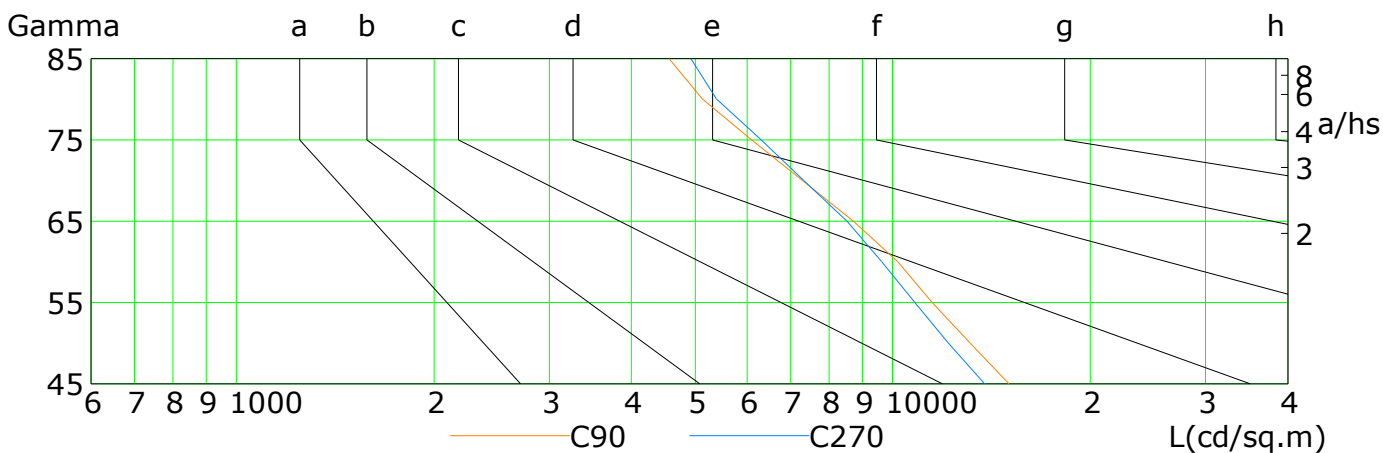
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Test Lab: Inventfine instrument  
Test Type: TYPE C  
Temperature: 26  
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Test Device: GPM-1800B  
Distance: 8.607 m [K=1.0000]  
Humidity: 65  
Inspector:

## 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

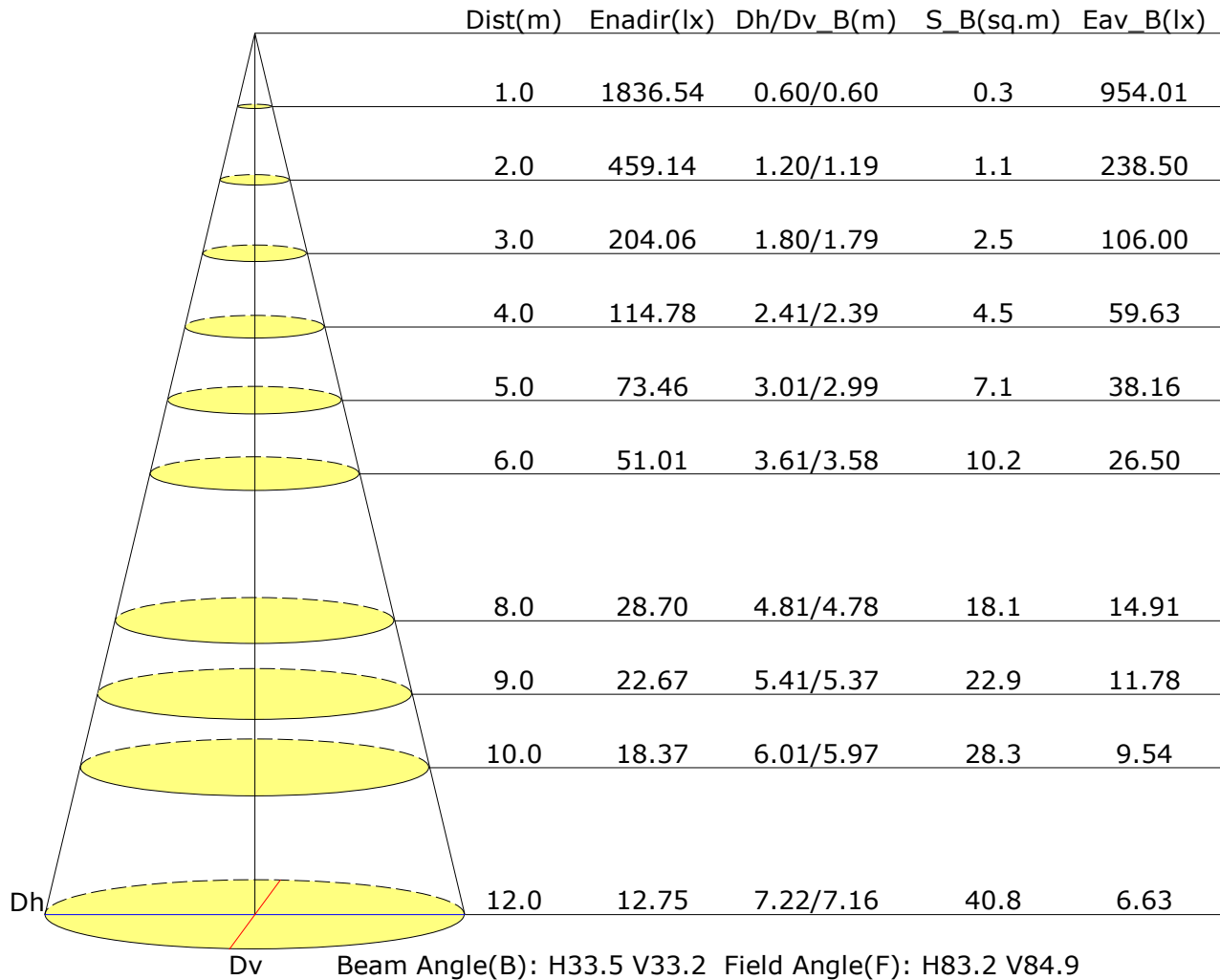


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	13202	11841	10949	10243	9246	7875	6716	5580	4510
C90	15038	13109	11488	10176	8717	7280	6100	5128	4567
C180	14972	13289	12061	11194	10298	8953	7754	6633	5937
C270	13798	12164	10801	9631	8527	7310	6314	5389	4928

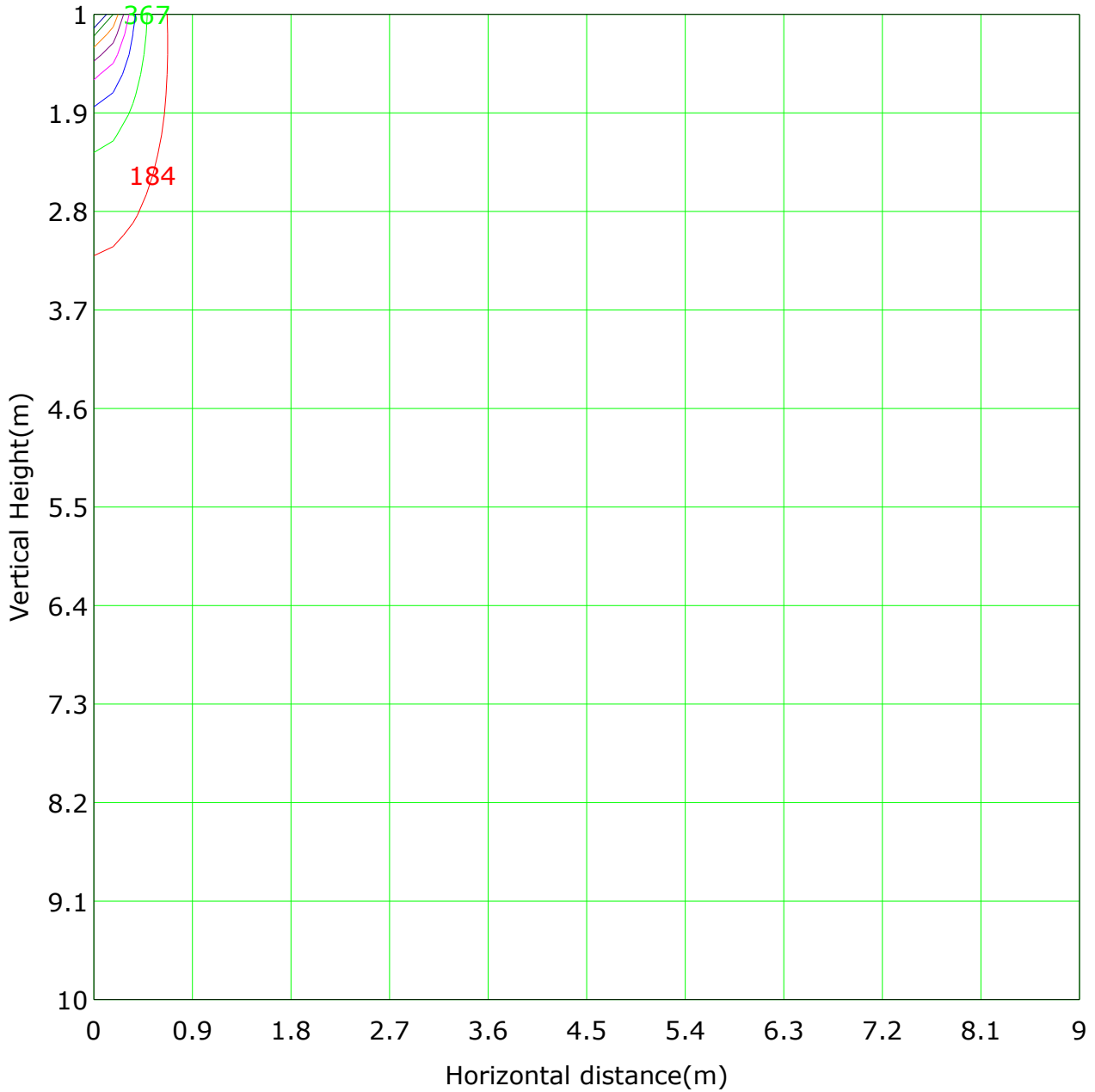
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Test Lab: Inventfine instrument  
Test Type: TYPE C  
Temperature: 26  
Operator: Jacky

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



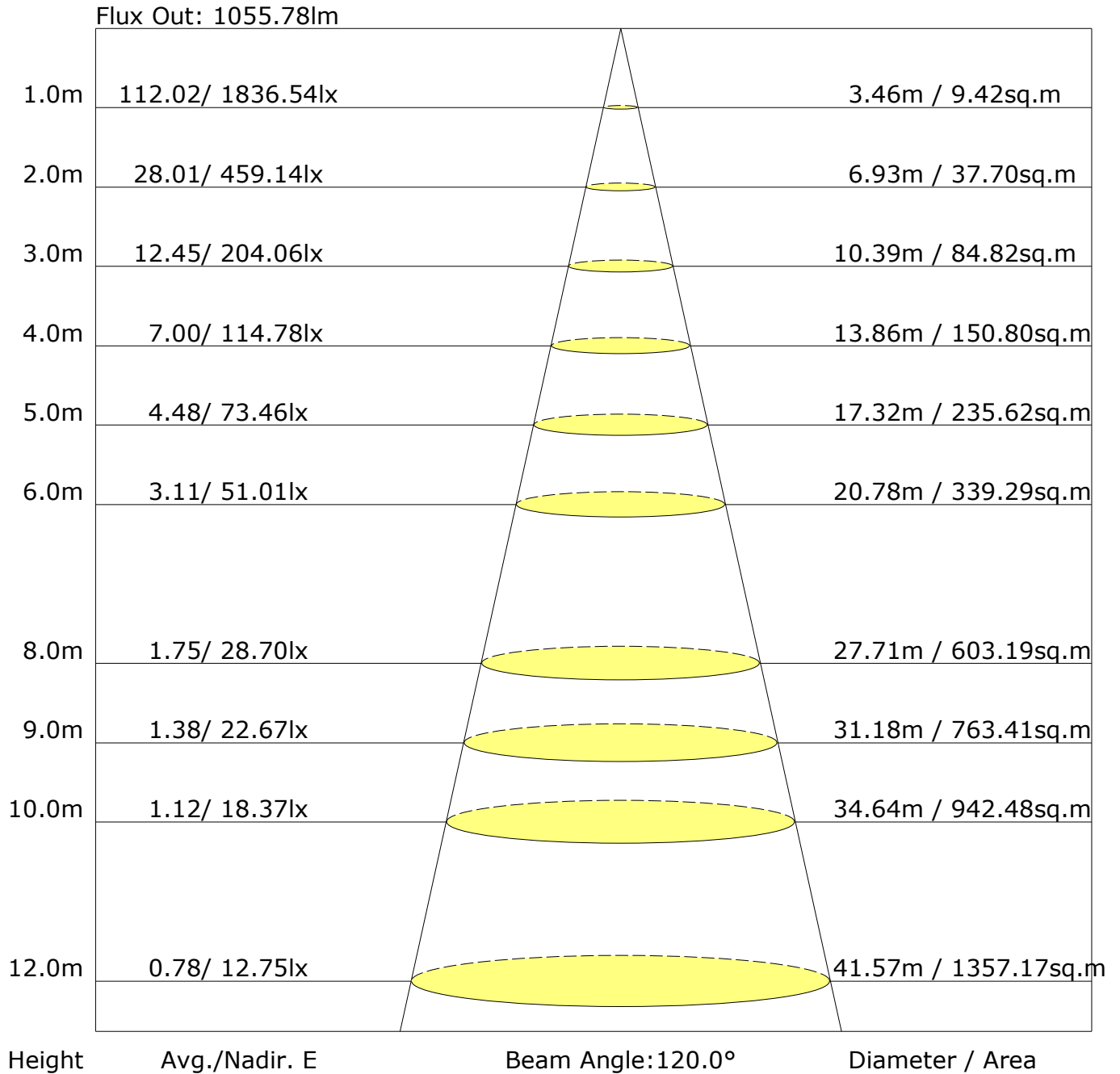
Lowest(m): 1.0m	Highest(m): 10.0m	Max Lux: 1836.5 lx
— ( 10%): 183.7 lx	— ( 20%): 367.3 lx	
— ( 30%): 551.0 lx	— ( 40%): 734.6 lx	
— ( 50%): 918.3 lx	— ( 60%): 1101.9 lx	
— ( 70%): 1285.6 lx	— ( 80%): 1469.2 lx	

C Plane (°):0.0-360.0: 30.0  
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: 30.0  
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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	18.7	19.7	19.0	20.0	20.2	18.8	19.8	19.1	20.1	20.3
3H	19.8	20.7	20.1	21.0	21.3	19.7	20.7	20.1	20.9	21.2
4H	20.1	21.0	20.5	21.3	21.6	20.1	20.9	20.4	21.2	21.5
6H	20.4	21.2	20.8	21.5	21.8	20.3	21.1	20.6	21.4	21.7
8H	20.4	21.2	20.8	21.6	21.9	20.3	21.1	20.7	21.4	21.8
12H	20.5	21.2	20.9	21.6	21.9	20.4	21.1	20.8	21.4	21.8
X=4H Y=2H	19.2	20.1	19.6	20.4	20.7	19.3	20.1	19.6	20.4	20.8
3H	20.4	21.2	20.8	21.5	21.9	20.4	21.1	20.8	21.4	21.8
4H	20.9	21.5	21.3	21.9	22.3	20.8	21.4	21.2	21.8	22.2
6H	21.2	21.8	21.6	22.2	22.6	21.1	21.7	21.5	22.1	22.5
8H	21.3	21.8	21.8	22.3	22.7	21.2	21.7	21.6	22.1	22.6
12H	21.4	21.8	21.8	22.3	22.8	21.2	21.7	21.7	22.2	22.6
X=8H Y=4H	21.0	21.6	21.5	22.0	22.4	20.9	21.5	21.4	21.9	22.3
6H	21.4	21.9	21.9	22.3	22.8	21.3	21.8	21.8	22.2	22.7
8H	21.6	22.0	22.1	22.5	23.0	21.5	21.9	22.0	22.3	22.9
12H	21.7	22.0	22.2	22.5	23.1	21.6	21.9	22.1	22.4	23.0
X=12H Y=4H	21.0	21.5	21.5	21.9	22.4	20.9	21.4	21.4	21.8	22.3
6H	21.5	21.8	22.0	22.3	22.8	21.4	21.7	21.9	22.2	22.7
8H	21.6	22.0	22.2	22.5	23.0	21.5	21.9	22.1	22.4	22.9
Variations with the observer position at spacings:										
S=1.0H	+0.3/-0.4					+0.3/-0.4				
S=1.5H	+0.4/-0.7					+0.4/-0.9				
S=2.0H	+0.7/-1.3					+0.9/-1.5				

Calculate in accordance with CIE Pub.117. The table is revised with 1176lm ( $8\log(F/F_0) = 0.6$ ).

C Plane (°):0.0-360.0: 30.0  
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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	1834.0	1.8	1.8	0.15	0.15
1.0-2.0	1824.1	5.2	7.0	0.45	0.59
2.0-3.0	1804.7	8.6	15.6	0.73	1.33
3.0-4.0	1776.8	11.9	27.5	1.01	2.34
4.0-5.0	1739.2	15.0	42.5	1.27	3.61
5.0-6.0	1692.9	17.8	60.3	1.51	5.13
6.0-7.0	1639.3	20.4	80.6	1.73	6.86
7.0-8.0	1579.3	22.6	103.2	1.92	8.78
8.0-9.0	1514.9	24.6	127.8	2.09	10.87
9.0-10.0	1446.3	26.2	154.0	2.23	13.10
10.0-11.0	1373.4	27.4	181.4	2.33	15.43
11.0-12.0	1298.4	28.4	209.8	2.41	17.85
12.0-13.0	1222.7	29.0	238.8	2.47	20.31
13.0-14.0	1146.6	29.4	268.2	2.50	22.81
14.0-15.0	1073.6	29.5	297.6	2.51	25.32
15.0-16.0	1002.7	29.4	327.0	2.50	27.82
16.0-17.0	932.8	29.1	356.1	2.47	30.29
17.0-18.0	867.6	28.6	384.7	2.43	32.72
18.0-19.0	806.8	28.1	412.8	2.39	35.11
19.0-20.0	747.9	27.4	440.1	2.33	37.44
20.0-21.0	693.5	26.6	466.8	2.27	39.71
21.0-22.0	644.5	25.9	492.7	2.20	41.91
22.0-23.0	597.9	25.1	517.8	2.13	44.04
23.0-24.0	554.9	24.3	542.0	2.06	46.11
24.0-25.0	515.8	23.5	565.5	2.00	48.10
25.0-26.0	479.7	22.6	588.1	1.93	50.03
26.0-27.0	446.6	21.9	610.0	1.86	51.89
27.0-28.0	416.9	21.1	631.1	1.80	53.68
28.0-29.0	389.8	20.4	651.5	1.74	55.42
29.0-30.0	364.8	19.7	671.2	1.68	57.09
30.0-31.0	341.8	19.0	690.2	1.62	58.71
31.0-32.0	321.1	18.4	708.6	1.56	60.28
32.0-33.0	302.0	17.8	726.4	1.51	61.79
33.0-34.0	284.5	17.2	743.6	1.46	63.26
34.0-35.0	268.8	16.7	760.3	1.42	64.68
35.0-36.0	254.6	16.2	776.5	1.38	66.06

C Plane (°):0.0-360.0: 30.0  
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 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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	241.3	15.7	792.3	1.34	67.40
37.0-38.0	229.0	15.3	807.6	1.30	68.70
38.0-39.0	218.1	14.9	822.5	1.27	69.96
39.0-40.0	207.9	14.5	837.0	1.23	71.20
40.0-41.0	198.0	14.1	851.1	1.20	72.39
41.0-42.0	188.8	13.7	864.8	1.17	73.56
42.0-43.0	180.5	13.4	878.2	1.14	74.70
43.0-44.0	172.6	13.0	891.2	1.11	75.81
44.0-45.0	164.9	12.7	903.9	1.08	76.89
45.0-46.0	157.8	12.3	916.2	1.05	77.94
46.0-47.0	151.0	12.0	928.2	1.02	78.96
47.0-48.0	144.5	11.7	939.9	0.99	79.95
48.0-49.0	138.4	11.4	951.3	0.97	80.92
49.0-50.0	132.5	11.0	962.3	0.94	81.86
50.0-51.0	126.8	10.7	973.0	0.91	82.77
51.0-52.0	121.4	10.4	983.5	0.89	83.66
52.0-53.0	116.3	10.1	993.6	0.86	84.52
53.0-54.0	111.1	9.8	1003.4	0.83	85.35
54.0-55.0	106.2	9.5	1012.9	0.81	86.16
55.0-56.0	101.7	9.2	1022.0	0.78	86.94
56.0-57.0	97.2	8.9	1030.9	0.76	87.70
57.0-58.0	92.7	8.6	1039.5	0.73	88.42
58.0-59.0	88.6	8.3	1047.8	0.70	89.13
59.0-60.0	84.5	8.0	1055.8	0.68	89.81
60.0-61.0	80.4	7.7	1063.5	0.65	90.46
61.0-62.0	76.3	7.4	1070.8	0.63	91.09
62.0-63.0	72.4	7.0	1077.8	0.60	91.69
63.0-64.0	68.3	6.7	1084.6	0.57	92.26
64.0-65.0	64.3	6.4	1090.9	0.54	92.80
65.0-66.0	60.1	6.0	1096.9	0.51	93.31
66.0-67.0	56.1	5.6	1102.6	0.48	93.79
67.0-68.0	52.1	5.3	1107.8	0.45	94.24
68.0-69.0	48.3	4.9	1112.8	0.42	94.66
69.0-70.0	44.7	4.6	1117.4	0.39	95.05
70.0-71.0	41.3	4.3	1121.6	0.36	95.41
71.0-72.0	38.0	4.0	1125.6	0.34	95.75

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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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	34.9	3.6	1129.2	0.31	96.06
73.0-74.0	31.9	3.4	1132.6	0.29	96.34
74.0-75.0	29.1	3.1	1135.7	0.26	96.60
75.0-76.0	26.5	2.8	1138.5	0.24	96.84
76.0-77.0	23.9	2.5	1141.0	0.22	97.06
77.0-78.0	21.4	2.3	1143.3	0.19	97.25
78.0-79.0	19.1	2.1	1145.4	0.17	97.43
79.0-80.0	16.9	1.8	1147.2	0.15	97.58
80.0-81.0	14.8	1.6	1148.8	0.14	97.72
81.0-82.0	12.8	1.4	1150.2	0.12	97.84
82.0-83.0	10.9	1.2	1151.4	0.10	97.94
83.0-84.0	9.2	1.0	1152.4	0.08	98.02
84.0-85.0	7.7	0.8	1153.2	0.07	98.09
85.0-86.0	6.3	0.7	1153.9	0.06	98.15
86.0-87.0	5.0	0.6	1154.4	0.05	98.20
87.0-88.0	4.0	0.4	1154.9	0.04	98.24
88.0-89.0	3.1	0.3	1155.2	0.03	98.27
89.0-90.0	2.5	0.3	1155.5	0.02	98.29
90.0-91.0	2.1	0.2	1155.7	0.02	98.31
91.0-92.0	2.0	0.2	1155.9	0.02	98.33
92.0-93.0	2.0	0.2	1156.2	0.02	98.35
93.0-94.0	2.0	0.2	1156.4	0.02	98.37
94.0-95.0	2.0	0.2	1156.6	0.02	98.38
95.0-96.0	2.0	0.2	1156.8	0.02	98.40
96.0-97.0	2.0	0.2	1157.0	0.02	98.42
97.0-98.0	2.0	0.2	1157.2	0.02	98.44
98.0-99.0	2.0	0.2	1157.5	0.02	98.46
99.0-100.0	2.0	0.2	1157.7	0.02	98.48
100.0-101.0	2.0	0.2	1157.9	0.02	98.49
101.0-102.0	1.9	0.2	1158.1	0.02	98.51
102.0-103.0	1.9	0.2	1158.3	0.02	98.53
103.0-104.0	1.9	0.2	1158.5	0.02	98.55
104.0-105.0	1.9	0.2	1158.7	0.02	98.56
105.0-106.0	1.9	0.2	1158.9	0.02	98.58
106.0-107.0	1.9	0.2	1159.1	0.02	98.60
107.0-108.0	1.9	0.2	1159.3	0.02	98.62

C Plane (°):0.0-360.0: 30.0  
 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	2.0	0.2	1159.5	0.02	98.63
109.0-110.0	2.0	0.2	1159.7	0.02	98.65
110.0-111.0	2.0	0.2	1159.9	0.02	98.67
111.0-112.0	2.0	0.2	1160.1	0.02	98.69
112.0-113.0	2.1	0.2	1160.3	0.02	98.70
113.0-114.0	2.1	0.2	1160.6	0.02	98.72
114.0-115.0	2.2	0.2	1160.8	0.02	98.74
115.0-116.0	2.2	0.2	1161.0	0.02	98.76
116.0-117.0	2.2	0.2	1161.2	0.02	98.78
117.0-118.0	2.3	0.2	1161.4	0.02	98.80
118.0-119.0	2.3	0.2	1161.7	0.02	98.82
119.0-120.0	2.4	0.2	1161.9	0.02	98.83
120.0-121.0	2.5	0.2	1162.1	0.02	98.85
121.0-122.0	2.5	0.2	1162.4	0.02	98.87
122.0-123.0	2.6	0.2	1162.6	0.02	98.89
123.0-124.0	2.6	0.2	1162.8	0.02	98.92
124.0-125.0	2.7	0.2	1163.1	0.02	98.94
125.0-126.0	2.8	0.2	1163.3	0.02	98.96
126.0-127.0	2.9	0.3	1163.6	0.02	98.98
127.0-128.0	2.9	0.3	1163.8	0.02	99.00
128.0-129.0	3.0	0.3	1164.1	0.02	99.02
129.0-130.0	3.1	0.3	1164.4	0.02	99.04
130.0-131.0	3.2	0.3	1164.6	0.02	99.07
131.0-132.0	3.3	0.3	1164.9	0.02	99.09
132.0-133.0	3.4	0.3	1165.2	0.02	99.11
133.0-134.0	3.5	0.3	1165.4	0.02	99.14
134.0-135.0	3.6	0.3	1165.7	0.02	99.16
135.0-136.0	3.7	0.3	1166.0	0.02	99.19
136.0-137.0	3.8	0.3	1166.3	0.02	99.21
137.0-138.0	3.9	0.3	1166.6	0.02	99.23
138.0-139.0	4.0	0.3	1166.9	0.02	99.26
139.0-140.0	4.1	0.3	1167.2	0.03	99.28
140.0-141.0	4.3	0.3	1167.5	0.03	99.31
141.0-142.0	4.4	0.3	1167.8	0.03	99.33
142.0-143.0	4.5	0.3	1168.1	0.03	99.36
143.0-144.0	4.7	0.3	1168.4	0.03	99.39

C Plane (°):0.0-360.0: 30.0  
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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	4.8	0.3	1168.7	0.03	99.41
145.0-146.0	4.9	0.3	1169.0	0.03	99.44
146.0-147.0	5.0	0.3	1169.3	0.03	99.46
147.0-148.0	5.1	0.3	1169.6	0.03	99.49
148.0-149.0	5.3	0.3	1169.9	0.03	99.52
149.0-150.0	5.4	0.3	1170.2	0.03	99.54
150.0-151.0	5.6	0.3	1170.5	0.03	99.57
151.0-152.0	5.7	0.3	1170.8	0.03	99.59
152.0-153.0	5.8	0.3	1171.1	0.02	99.62
153.0-154.0	5.9	0.3	1171.4	0.02	99.64
154.0-155.0	6.0	0.3	1171.7	0.02	99.67
155.0-156.0	6.1	0.3	1171.9	0.02	99.69
156.0-157.0	6.2	0.3	1172.2	0.02	99.71
157.0-158.0	6.3	0.3	1172.5	0.02	99.73
158.0-159.0	6.3	0.3	1172.7	0.02	99.76
159.0-160.0	6.4	0.2	1173.0	0.02	99.78
160.0-161.0	6.5	0.2	1173.2	0.02	99.80
161.0-162.0	6.6	0.2	1173.4	0.02	99.82
162.0-163.0	6.7	0.2	1173.7	0.02	99.84
163.0-164.0	6.7	0.2	1173.9	0.02	99.85
164.0-165.0	6.7	0.2	1174.1	0.02	99.87
165.0-166.0	6.8	0.2	1174.2	0.02	99.89
166.0-167.0	6.8	0.2	1174.4	0.01	99.90
167.0-168.0	6.9	0.2	1174.6	0.01	99.91
168.0-169.0	7.0	0.2	1174.7	0.01	99.93
169.0-170.0	7.0	0.1	1174.9	0.01	99.94
170.0-171.0	7.1	0.1	1175.0	0.01	99.95
171.0-172.0	7.2	0.1	1175.1	0.01	99.96
172.0-173.0	7.3	0.1	1175.2	0.01	99.97
173.0-174.0	7.4	0.1	1175.3	0.01	99.98
174.0-175.0	7.5	0.1	1175.4	0.01	99.98
175.0-176.0	7.6	0.1	1175.5	0.01	99.99
176.0-177.0	7.8	0.1	1175.5	0.00	99.99
177.0-178.0	7.9	0.0	1175.6	0.00	100.00
178.0-179.0	7.9	0.0	1175.6	0.00	100.00
179.0-180.0	8.0	0.0	1175.6	0.00	100.00

C Plane (°):0.0-360.0: 30.0  
 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°): 903.86 lm

%lum = 76.9%

%lamp = 76.9%

cone flux(120°): 1055.78 lm

%lum = 89.8%

%lamp = 89.8%



## Candlepower Table

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G0.0	1836.5	1836.5	1836.5	1836.5	1836.5	1836.5	1836.5	1836.5	1836.5	1836.5
G1.0	1820.0	1824.4	1828.8	1833.2	1836.1	1839.1	1842.1	1838.3	1834.6	1830.8
G2.0	1795.8	1803.5	1811.2	1819.0	1825.4	1831.8	1838.2	1830.0	1821.7	1813.5
G3.0	1762.6	1773.8	1785.0	1796.2	1805.3	1814.4	1823.5	1811.9	1800.3	1788.8
G4.0	1721.7	1736.3	1751.0	1765.6	1777.4	1789.2	1801.0	1785.8	1770.5	1755.2
G5.0	1668.2	1686.3	1704.4	1722.4	1738.4	1754.3	1770.2	1749.9	1729.5	1709.2
G6.0	1612.4	1633.2	1654.0	1674.7	1692.1	1709.5	1726.9	1704.4	1681.9	1659.4
G7.0	1545.1	1570.2	1595.3	1620.4	1640.0	1659.5	1679.1	1651.6	1624.1	1596.6
G8.0	1479.5	1504.4	1529.2	1554.1	1577.9	1601.7	1625.5	1594.9	1564.4	1533.8
G9.0	1410.2	1436.6	1463.0	1489.4	1513.0	1536.6	1560.2	1529.0	1497.9	1466.8
G10.0	1331.6	1361.6	1391.6	1421.6	1446.0	1470.3	1494.7	1461.8	1428.9	1396.0
G11.0	1258.6	1287.0	1315.3	1343.7	1371.1	1398.4	1425.8	1388.9	1352.0	1315.1
G12.0	1184.9	1213.6	1242.3	1271.0	1296.4	1321.7	1347.1	1311.6	1276.2	1240.7
G13.0	1104.4	1133.3	1162.2	1191.0	1219.1	1247.2	1275.2	1239.1	1203.1	1167.0
G14.0	1033.2	1061.8	1090.4	1119.0	1144.5	1170.0	1195.5	1159.5	1123.5	1087.5
G15.0	964.3	992.5	1020.6	1048.7	1073.7	1098.7	1123.6	1088.0	1052.3	1016.6
G16.0	892.0	921.8	951.5	981.3	1005.3	1029.2	1053.2	1016.0	978.8	941.6
G17.0	829.5	856.3	883.1	909.9	932.5	955.2	977.9	944.2	910.5	876.8
G18.0	770.6	796.5	822.3	848.1	869.6	891.1	912.5	880.1	847.7	815.3
G19.0	715.8	740.8	765.7	790.7	810.5	830.4	850.2	817.2	784.3	751.4
G20.0	659.9	683.7	707.5	731.3	749.5	767.7	785.9	756.5	727.2	697.8
G21.0	612.9	635.8	658.8	681.8	698.2	714.6	731.0	703.2	675.5	647.7
G22.0	565.6	589.2	612.7	636.3	650.7	665.2	679.6	653.4	627.3	601.2
G23.0	525.7	546.8	568.0	589.1	603.3	617.6	631.8	606.0	580.1	554.3
G24.0	488.7	509.0	529.3	549.6	561.0	572.4	583.8	561.1	538.5	515.8
G25.0	451.6	472.1	492.6	513.1	523.4	533.6	543.8	522.6	501.5	480.3
G26.0	420.6	439.4	458.2	476.9	486.9	496.8	506.8	486.0	465.2	444.4
G27.0	392.5	410.5	428.6	446.6	454.2	461.9	469.5	451.4	433.4	415.3
G28.0	366.0	383.3	400.7	418.0	424.9	431.8	438.7	422.0	405.3	388.6
G29.0	342.4	359.1	375.8	392.5	398.4	404.3	410.2	394.2	378.2	362.2
G30.0	320.7	336.9	353.0	369.1	373.2	377.2	381.2	367.5	353.8	340.1
G31.0	299.7	315.2	330.7	346.2	349.9	353.6	357.3	344.9	332.5	320.1
G32.0	280.7	296.3	311.8	327.3	330.1	332.8	335.6	324.3	313.0	301.7
G33.0	264.7	279.6	294.5	309.4	310.8	312.3	313.7	303.5	293.2	283.0
G34.0	250.3	264.1	277.8	291.6	292.9	294.1	295.4	286.2	277.0	267.8
G35.0	236.1	249.7	263.3	276.8	277.5	278.1	278.8	270.4	262.1	253.7
G36.0	224.2	237.2	250.1	263.0	263.2	263.4	263.5	256.0	248.4	240.8

C Plane (°):0.0-360.0: 30.0  
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	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G37.0	213.3	225.5	237.7	249.9	249.4	248.9	248.4	241.4	234.5	227.5
G38.0	202.4	214.2	226.1	238.0	237.3	236.6	235.9	229.5	223.1	216.7
G39.0	193.3	204.5	215.6	226.8	226.1	225.3	224.6	218.6	212.7	206.8
G40.0	184.9	195.4	205.9	216.5	215.3	214.1	212.9	207.7	202.5	197.2
G41.0	177.0	186.1	195.3	204.4	204.0	203.6	203.3	198.0	192.8	187.6
G42.0	168.8	177.8	186.7	195.7	195.2	194.7	194.2	189.2	184.3	179.4
G43.0	161.9	170.3	178.7	187.1	186.6	186.1	185.6	181.0	176.3	171.6
G44.0	155.4	162.9	170.5	178.0	177.6	177.2	176.8	172.6	168.3	164.1
G45.0	149.4	156.3	163.2	170.1	169.9	169.6	169.4	165.0	160.5	156.1
G46.0	142.9	149.5	156.1	162.7	162.6	162.5	162.4	158.2	153.9	149.6
G47.0	137.5	143.2	149.0	154.8	154.9	155.1	155.2	151.2	147.2	143.2
G48.0	132.2	137.4	142.7	147.9	148.2	148.5	148.8	144.7	140.6	136.6
G49.0	126.6	131.5	136.4	141.4	141.9	142.4	143.0	138.9	134.7	130.6
G50.0	121.8	126.1	130.5	134.8	135.4	136.1	136.7	132.8	129.0	125.1
G51.0	117.3	120.9	124.5	128.2	129.2	130.2	131.3	127.2	123.2	119.2
G52.0	112.9	116.0	119.1	122.2	123.5	124.8	126.1	122.1	118.1	114.0
G53.0	108.3	111.1	113.8	116.6	118.1	119.6	121.1	117.1	113.1	109.1
G54.0	104.3	106.4	108.5	110.6	112.1	113.7	115.2	111.4	107.6	103.8
G55.0	100.5	102.1	103.8	105.4	107.2	108.9	110.7	106.8	103.0	99.1
G56.0	96.6	97.9	99.1	100.4	102.4	104.4	106.3	102.5	98.6	94.7
G57.0	92.6	93.6	94.5	95.5	97.5	99.6	101.6	97.7	93.8	89.8
G58.0	88.9	89.4	89.9	90.3	92.7	95.1	97.5	93.5	89.6	85.6
G59.0	85.5	85.6	85.7	85.8	88.4	90.9	93.5	89.5	85.5	81.5
G60.0	81.9	81.8	81.6	81.4	84.1	86.8	89.6	85.4	81.2	77.0
G61.0	78.1	77.6	77.0	76.5	79.4	82.4	85.4	81.3	77.2	73.1
G62.0	74.5	73.7	72.9	72.1	75.3	78.4	81.6	77.5	73.4	69.2
G63.0	70.8	69.8	68.8	67.8	71.1	74.5	77.9	73.6	69.3	65.0
G64.0	67.0	65.8	64.6	63.4	66.8	70.2	73.6	69.5	65.4	61.3
G65.0	62.5	61.3	60.1	58.9	62.5	66.1	69.6	65.6	61.7	57.7
G66.0	58.4	57.2	56.0	54.8	58.4	62.0	65.6	61.6	57.6	53.7
G67.0	54.3	53.2	52.0	50.8	54.2	57.6	61.0	57.4	53.7	50.1
G68.0	50.2	49.2	48.1	47.1	50.4	53.6	56.9	53.4	49.9	46.4
G69.0	46.6	45.5	44.4	43.2	46.5	49.7	52.9	49.7	46.4	43.2
G70.0	43.1	42.0	40.9	39.8	42.9	45.9	49.0	46.0	43.0	40.0
G71.0	39.7	38.7	37.6	36.6	39.5	42.4	45.4	42.5	39.7	36.9
G72.0	36.3	35.3	34.3	33.3	36.2	39.0	41.9	39.3	36.7	34.1
G73.0	33.4	32.4	31.4	30.4	33.1	35.8	38.5	36.0	33.6	31.2

C Plane (°):0.0-360.0: 30.0  
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	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G74.0	30.5	29.6	28.7	27.8	30.2	32.6	35.0	32.8	30.7	28.6
G75.0	27.8	27.0	26.1	25.3	27.5	29.8	32.1	30.1	28.1	26.1
G76.0	25.0	24.2	23.3	22.5	24.8	27.0	29.2	27.4	25.6	23.8
G77.0	22.5	21.8	21.0	20.3	22.3	24.2	26.2	24.6	23.0	21.3
G78.0	20.0	19.4	18.7	18.1	19.9	21.7	23.5	22.0	20.6	19.2
G79.0	17.7	17.2	16.7	16.2	17.8	19.4	21.0	19.7	18.4	17.1
G80.0	15.5	15.1	14.7	14.2	15.6	17.0	18.4	17.3	16.1	15.0
G81.0	13.4	13.1	12.7	12.4	13.7	14.9	16.2	15.1	14.1	13.1
G82.0	11.2	11.0	10.9	10.7	11.8	12.8	13.9	13.0	12.2	11.3
G83.0	9.4	9.3	9.2	9.0	9.9	10.9	11.8	11.1	10.4	9.7
G84.0	7.7	7.7	7.6	7.6	8.4	9.2	9.9	9.3	8.8	8.2
G85.0	6.3	6.3	6.3	6.4	7.0	7.6	8.3	7.8	7.3	6.9
G86.0	4.9	5.0	5.1	5.2	5.7	6.2	6.7	6.3	5.9	5.5
G87.0	3.7	3.9	4.1	4.3	4.7	5.0	5.4	5.1	4.8	4.5
G88.0	2.8	3.0	3.2	3.4	3.7	4.0	4.3	4.1	3.8	3.6
G89.0	2.0	2.3	2.5	2.8	3.0	3.1	3.3	3.2	3.1	3.0
G90.0	1.7	2.0	2.2	2.5	2.5	2.5	2.5	2.4	2.3	2.2
G91.0	1.8	1.9	2.0	2.2	2.2	2.3	2.4	2.2	2.1	1.9
G92.0	1.8	1.9	2.0	2.0	2.2	2.3	2.4	2.2	2.0	1.7
G93.0	1.8	1.8	1.8	1.8	2.1	2.3	2.5	2.2	2.0	1.7
G94.0	1.8	1.8	1.8	1.8	2.1	2.3	2.5	2.3	2.0	1.7
G95.0	1.8	1.8	1.8	1.8	2.1	2.3	2.6	2.3	2.0	1.7
G96.0	1.8	1.8	1.8	1.8	2.1	2.4	2.6	2.4	2.1	1.8
G97.0	1.8	1.8	1.8	1.8	2.1	2.4	2.6	2.3	2.0	1.7
G98.0	1.8	1.8	1.8	1.8	2.1	2.4	2.6	2.3	2.0	1.7
G99.0	1.7	1.7	1.8	1.8	2.1	2.4	2.6	2.3	2.0	1.7
G100.0	1.7	1.7	1.8	1.8	2.1	2.4	2.6	2.3	2.0	1.7
G101.0	1.7	1.7	1.8	1.8	2.1	2.4	2.6	2.3	2.0	1.7
G102.0	1.7	1.7	1.7	1.7	2.0	2.3	2.6	2.3	2.0	1.7
G103.0	1.7	1.7	1.7	1.7	2.0	2.3	2.6	2.3	2.0	1.7
G104.0	1.7	1.7	1.7	1.7	2.0	2.3	2.6	2.3	2.0	1.7
G105.0	1.7	1.7	1.7	1.7	2.0	2.3	2.6	2.3	1.9	1.6
G106.0	1.7	1.7	1.7	1.7	2.0	2.3	2.6	2.3	2.0	1.7
G107.0	1.8	1.7	1.7	1.7	2.0	2.3	2.6	2.3	2.0	1.7
G108.0	1.7	1.7	1.7	1.7	2.1	2.4	2.7	2.4	2.0	1.7
G109.0	1.8	1.8	1.7	1.7	2.1	2.4	2.7	2.4	2.1	1.7
G110.0	1.8	1.8	1.8	1.7	2.1	2.4	2.8	2.4	2.1	1.7

C Plane (°):0.0-360.0: 30.0  
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	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G111.0	1.9	1.8	1.8	1.7	2.1	2.4	2.7	2.4	2.1	1.7
G112.0	1.9	1.8	1.8	1.8	2.1	2.4	2.8	2.4	2.1	1.7
G113.0	1.9	1.9	1.9	1.8	2.2	2.5	2.8	2.5	2.1	1.8
G114.0	2.0	2.0	1.9	1.9	2.2	2.5	2.9	2.5	2.2	1.8
G115.0	2.0	2.0	1.9	1.9	2.2	2.5	2.9	2.5	2.2	1.9
G116.0	2.0	2.0	2.0	2.0	2.3	2.6	2.9	2.6	2.3	2.0
G117.0	2.1	2.1	2.0	1.9	2.3	2.6	3.0	2.7	2.3	2.0
G118.0	2.1	2.1	2.0	2.0	2.3	2.7	3.0	2.7	2.4	2.1
G119.0	2.3	2.2	2.1	2.0	2.4	2.7	3.1	2.8	2.4	2.1
G120.0	2.3	2.2	2.2	2.1	2.4	2.8	3.1	2.8	2.5	2.2
G121.0	2.4	2.3	2.2	2.1	2.5	2.8	3.2	2.9	2.6	2.2
G122.0	2.5	2.4	2.3	2.2	2.5	2.9	3.3	2.9	2.6	2.3
G123.0	2.5	2.4	2.3	2.2	2.6	2.9	3.3	3.0	2.7	2.3
G124.0	2.6	2.5	2.4	2.3	2.6	3.0	3.3	3.0	2.7	2.5
G125.0	2.8	2.6	2.5	2.4	2.7	3.0	3.4	3.1	2.8	2.5
G126.0	2.8	2.7	2.5	2.4	2.7	3.1	3.4	3.1	2.9	2.6
G127.0	2.9	2.8	2.7	2.5	2.8	3.2	3.5	3.2	2.9	2.7
G128.0	3.0	2.9	2.8	2.6	2.9	3.2	3.5	3.3	3.0	2.7
G129.0	3.1	3.0	2.8	2.7	3.0	3.3	3.6	3.3	3.1	2.9
G130.0	3.3	3.1	2.9	2.8	3.1	3.4	3.6	3.4	3.2	3.0
G131.0	3.4	3.2	3.1	2.9	3.2	3.4	3.7	3.5	3.3	3.1
G132.0	3.4	3.3	3.1	3.0	3.2	3.5	3.7	3.5	3.3	3.1
G133.0	3.6	3.4	3.3	3.1	3.3	3.5	3.7	3.6	3.4	3.3
G134.0	3.7	3.5	3.4	3.2	3.4	3.6	3.8	3.6	3.5	3.4
G135.0	3.9	3.7	3.5	3.4	3.5	3.7	3.8	3.7	3.6	3.5
G136.0	4.0	3.8	3.7	3.5	3.6	3.7	3.8	3.8	3.7	3.6
G137.0	4.1	4.0	3.8	3.6	3.7	3.8	3.8	3.8	3.8	3.8
G138.0	4.2	4.0	3.9	3.7	3.8	3.9	3.9	3.9	3.9	3.9
G139.0	4.4	4.2	4.1	3.9	3.9	4.0	4.0	4.0	4.0	4.0
G140.0	4.5	4.4	4.2	4.1	4.1	4.0	4.0	4.1	4.1	4.2
G141.0	4.6	4.5	4.3	4.2	4.2	4.2	4.1	4.2	4.2	4.3
G142.0	4.7	4.6	4.5	4.4	4.3	4.3	4.2	4.3	4.4	4.5
G143.0	4.9	4.8	4.7	4.5	4.5	4.5	4.4	4.5	4.5	4.6
G144.0	5.0	4.9	4.9	4.8	4.7	4.6	4.5	4.6	4.7	4.7
G145.0	5.1	5.1	5.0	5.0	4.8	4.7	4.6	4.7	4.8	4.9
G146.0	5.2	5.2	5.1	5.0	4.9	4.8	4.6	4.8	4.9	5.0
G147.0	5.4	5.3	5.2	5.0	4.9	4.8	4.7	4.9	5.0	5.1

C Plane (°):0.0-360.0: 30.0  
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	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G148.0	5.5	5.4	5.4	5.4	5.2	5.0	4.9	5.0	5.1	5.2
G149.0	5.6	5.6	5.5	5.5	5.3	5.2	5.0	5.1	5.2	5.4
G150.0	5.7	5.7	5.7	5.7	5.5	5.3	5.1	5.2	5.3	5.5
G151.0	5.8	5.8	5.8	5.9	5.6	5.4	5.2	5.3	5.5	5.6
G152.0	5.9	5.9	6.0	6.0	5.8	5.5	5.3	5.4	5.6	5.7
G153.0	6.0	6.1	6.1	6.1	5.9	5.6	5.4	5.5	5.7	5.8
G154.0	6.1	6.2	6.2	6.3	6.0	5.7	5.5	5.6	5.8	5.9
G155.0	6.2	6.3	6.4	6.4	6.1	5.8	5.5	5.7	5.8	6.0
G156.0	6.3	6.4	6.5	6.5	6.2	5.9	5.6	5.8	5.9	6.1
G157.0	6.4	6.5	6.6	6.7	6.3	6.0	5.7	5.9	6.0	6.2
G158.0	6.5	6.6	6.7	6.8	6.4	6.1	5.8	5.9	6.1	6.3
G159.0	6.5	6.6	6.7	6.8	6.5	6.2	5.9	6.0	6.2	6.3
G160.0	6.6	6.7	6.8	6.9	6.6	6.3	6.0	6.1	6.3	6.4
G161.0	6.6	6.7	6.9	7.0	6.7	6.4	6.1	6.2	6.3	6.5
G162.0	6.8	6.9	7.0	7.0	6.7	6.4	6.1	6.3	6.4	6.5
G163.0	6.8	6.9	7.0	7.1	6.8	6.5	6.2	6.3	6.5	6.6
G164.0	6.9	7.0	7.0	7.1	6.8	6.5	6.2	6.4	6.5	6.6
G165.0	7.0	7.0	7.1	7.2	6.9	6.6	6.3	6.4	6.5	6.7
G166.0	7.0	7.1	7.1	7.2	6.9	6.6	6.3	6.5	6.6	6.7
G167.0	7.1	7.1	7.2	7.3	7.0	6.7	6.5	6.5	6.6	6.7
G168.0	7.1	7.2	7.2	7.3	7.0	6.8	6.5	6.6	6.7	6.8
G169.0	7.2	7.3	7.3	7.4	7.1	6.8	6.6	6.7	6.7	6.8
G170.0	7.3	7.4	7.4	7.4	7.2	7.0	6.7	6.8	6.8	6.8
G171.0	7.5	7.5	7.5	7.5	7.3	7.0	6.8	6.8	6.8	6.9
G172.0	7.6	7.6	7.6	7.6	7.3	7.1	6.8	6.9	6.9	6.9
G173.0	7.7	7.7	7.8	7.8	7.5	7.2	7.0	6.9	6.9	6.9
G174.0	7.9	7.9	7.9	7.9	7.6	7.4	7.1	7.1	7.1	7.0
G175.0	8.1	8.0	7.9	7.8	7.6	7.5	7.3	7.2	7.2	7.1
G176.0	8.1	8.1	8.1	8.1	7.9	7.7	7.5	7.4	7.3	7.2
G177.0	8.2	8.1	8.1	8.1	7.9	7.8	7.7	7.6	7.4	7.3
G178.0	8.2	8.1	8.1	8.0	8.0	8.0	7.9	7.8	7.6	7.4
G179.0	8.3	8.1	8.0	7.9	8.0	8.1	8.2	8.0	7.8	7.6
G180.0	8.3	8.2	8.0	7.8	8.0	8.1	8.2	8.1	7.9	7.8

C Plane (°):0.0-360.0: 30.0  
 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 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	1836.5	1836.5	1836.5							
G1.0	1827.2	1823.6	1820.0							
G2.0	1807.6	1801.7	1795.8							
G3.0	1780.0	1771.3	1762.6							
G4.0	1744.0	1732.9	1721.7							
G5.0	1695.5	1681.9	1668.2							
G6.0	1643.8	1628.1	1612.4							
G7.0	1579.5	1562.3	1545.1							
G8.0	1515.7	1497.6	1479.5							
G9.0	1447.9	1429.1	1410.2							
G10.0	1374.5	1353.1	1331.6							
G11.0	1296.3	1277.4	1258.6							
G12.0	1222.1	1203.5	1184.9							
G13.0	1146.2	1125.3	1104.4							
G14.0	1069.4	1051.3	1033.2							
G15.0	999.2	981.8	964.3							
G16.0	925.1	908.5	892.0							
G17.0	861.0	845.3	829.5							
G18.0	800.4	785.5	770.6							
G19.0	739.5	727.7	715.8							
G20.0	685.2	672.6	659.9							
G21.0	636.1	624.5	612.9							
G22.0	589.3	577.4	565.6							
G23.0	544.8	535.2	525.7							
G24.0	506.8	497.7	488.7							
G25.0	470.7	461.1	451.6							
G26.0	436.5	428.5	420.6							
G27.0	407.7	400.1	392.5							
G28.0	381.1	373.5	366.0							
G29.0	355.6	349.0	342.4							
G30.0	333.7	327.2	320.7							
G31.0	313.3	306.5	299.7							
G32.0	294.7	287.7	280.7							
G33.0	276.9	270.8	264.7							
G34.0	262.0	256.1	250.3							
G35.0	247.9	242.0	236.1							
G36.0	235.3	229.8	224.2							

C Plane (°):0.0-360.0: 30.0  
 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 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	222.8	218.0	213.3							
G38.0	212.0	207.2	202.4							
G39.0	202.3	197.8	193.3							
G40.0	193.1	189.0	184.9							
G41.0	184.0	180.5	177.0							
G42.0	175.9	172.3	168.8							
G43.0	168.4	165.2	161.9							
G44.0	161.2	158.3	155.4							
G45.0	153.9	151.6	149.4							
G46.0	147.4	145.1	142.9							
G47.0	141.3	139.4	137.5							
G48.0	135.1	133.7	132.2							
G49.0	129.3	127.9	126.6							
G50.0	124.0	122.9	121.8							
G51.0	118.6	117.9	117.3							
G52.0	113.7	113.3	112.9							
G53.0	108.8	108.6	108.3							
G54.0	103.9	104.1	104.3							
G55.0	99.6	100.0	100.5							
G56.0	95.3	96.0	96.6							
G57.0	90.8	91.7	92.6							
G58.0	86.7	87.8	88.9							
G59.0	82.8	84.1	85.5							
G60.0	78.7	80.3	81.9							
G61.0	74.7	76.4	78.1							
G62.0	71.0	72.8	74.5							
G63.0	66.9	68.9	70.8							
G64.0	63.2	65.1	67.0							
G65.0	59.3	60.9	62.5							
G66.0	55.3	56.9	58.4							
G67.0	51.5	52.9	54.3							
G68.0	47.7	48.9	50.2							
G69.0	44.3	45.4	46.6							
G70.0	41.0	42.1	43.1							
G71.0	37.9	38.8	39.7							
G72.0	34.8	35.6	36.3							
G73.0	31.9	32.6	33.4							

C Plane (°):0.0-360.0: 30.0  
 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 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	29.2	29.8	30.5							
G75.0	26.7	27.3	27.8							
G76.0	24.2	24.6	25.0							
G77.0	21.7	22.1	22.5							
G78.0	19.5	19.7	20.0							
G79.0	17.3	17.5	17.7							
G80.0	15.1	15.3	15.5							
G81.0	13.2	13.3	13.4							
G82.0	11.3	11.3	11.2							
G83.0	9.6	9.5	9.4							
G84.0	8.0	7.9	7.7							
G85.0	6.7	6.5	6.3							
G86.0	5.3	5.1	4.9							
G87.0	4.3	4.0	3.7							
G88.0	3.3	3.0	2.8							
G89.0	2.6	2.3	2.0							
G90.0	2.0	1.9	1.7							
G91.0	1.9	1.8	1.8							
G92.0	1.8	1.8	1.8							
G93.0	1.8	1.8	1.8							
G94.0	1.8	1.8	1.8							
G95.0	1.8	1.8	1.8							
G96.0	1.8	1.8	1.8							
G97.0	1.7	1.8	1.8							
G98.0	1.7	1.8	1.8							
G99.0	1.7	1.7	1.7							
G100.0	1.7	1.7	1.7							
G101.0	1.7	1.7	1.7							
G102.0	1.7	1.7	1.7							
G103.0	1.7	1.7	1.7							
G104.0	1.7	1.7	1.7							
G105.0	1.7	1.7	1.7							
G106.0	1.7	1.7	1.7							
G107.0	1.7	1.7	1.8							
G108.0	1.7	1.7	1.7							
G109.0	1.7	1.8	1.8							
G110.0	1.8	1.8	1.8							

C Plane (°):0.0-360.0: 30.0  
 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 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	1.8	1.8	1.9							
G112.0	1.8	1.8	1.9							
G113.0	1.8	1.9	1.9							
G114.0	1.9	1.9	2.0							
G115.0	1.9	2.0	2.0							
G116.0	2.0	2.0	2.0							
G117.0	2.1	2.1	2.1							
G118.0	2.1	2.1	2.1							
G119.0	2.1	2.2	2.3							
G120.0	2.2	2.3	2.3							
G121.0	2.3	2.4	2.4							
G122.0	2.4	2.4	2.5							
G123.0	2.4	2.5	2.5							
G124.0	2.5	2.6	2.6							
G125.0	2.6	2.7	2.8							
G126.0	2.7	2.7	2.8							
G127.0	2.8	2.8	2.9							
G128.0	2.8	2.9	3.0							
G129.0	2.9	3.0	3.1							
G130.0	3.1	3.2	3.3							
G131.0	3.2	3.3	3.4							
G132.0	3.2	3.3	3.4							
G133.0	3.4	3.5	3.6							
G134.0	3.5	3.6	3.7							
G135.0	3.6	3.7	3.9							
G136.0	3.8	3.9	4.0							
G137.0	3.9	4.0	4.1							
G138.0	4.0	4.1	4.2							
G139.0	4.1	4.2	4.4							
G140.0	4.3	4.4	4.5							
G141.0	4.4	4.5	4.6							
G142.0	4.6	4.7	4.7							
G143.0	4.7	4.8	4.9							
G144.0	4.8	4.9	5.0							
G145.0	4.9	5.0	5.1							
G146.0	5.1	5.2	5.2							
G147.0	5.2	5.3	5.4							

C Plane (°):0.0-360.0: 30.0  
 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 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	5.3	5.4	5.5							
G149.0	5.4	5.5	5.6							
G150.0	5.6	5.7	5.7							
G151.0	5.7	5.7	5.8							
G152.0	5.8	5.8	5.9							
G153.0	5.9	5.9	6.0							
G154.0	6.0	6.1	6.1							
G155.0	6.1	6.2	6.2							
G156.0	6.2	6.2	6.3							
G157.0	6.3	6.3	6.4							
G158.0	6.3	6.4	6.5							
G159.0	6.4	6.4	6.5							
G160.0	6.5	6.6	6.6							
G161.0	6.5	6.6	6.6							
G162.0	6.6	6.7	6.8							
G163.0	6.7	6.8	6.8							
G164.0	6.7	6.8	6.9							
G165.0	6.8	6.9	7.0							
G166.0	6.8	6.9	7.0							
G167.0	6.8	6.9	7.1							
G168.0	6.9	7.0	7.1							
G169.0	7.0	7.1	7.2							
G170.0	7.0	7.2	7.3							
G171.0	7.1	7.3	7.5							
G172.0	7.1	7.4	7.6							
G173.0	7.2	7.5	7.7							
G174.0	7.3	7.6	7.9							
G175.0	7.4	7.7	8.1							
G176.0	7.5	7.8	8.1							
G177.0	7.6	7.9	8.2							
G178.0	7.7	8.0	8.2							
G179.0	7.8	8.1	8.3							
G180.0	8.0	8.1	8.3							

C Plane (°):0.0-360.0: 30.0  
 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 <sup>2</sup>
L 0-180(65) av	9771.67
L 0-180(75) av	7234.91
L 0-180(85) av	5223.41
L 90-270(65) av	8622.14
L 90-270(75) av	6206.68
L 90-270(85) av	4747.25
L 45(65) av	9196.91
L 45(75) av	6720.79
L 45(85) av	4985.15

Standard: GB/T 29293-2012