

Report No.: TH-5072A

Test Time: 2024/10/12 09:13

Luminaire Property

Luminaire Manufacturer: NORDECOR
Luminaire Category: 4279
Lamp Catalog:
Number of Lamps:
Luminous Length (mm): -185
Luminous Height (mm):
Current: 0.149 A
Power Factor: 0.523

Luminaire Description: 18W 黑圆
Lamp Description:
Lumens per Lamp:
Luminous Width (mm): -185
Voltage: 220.3 V
Power: 17.26 W

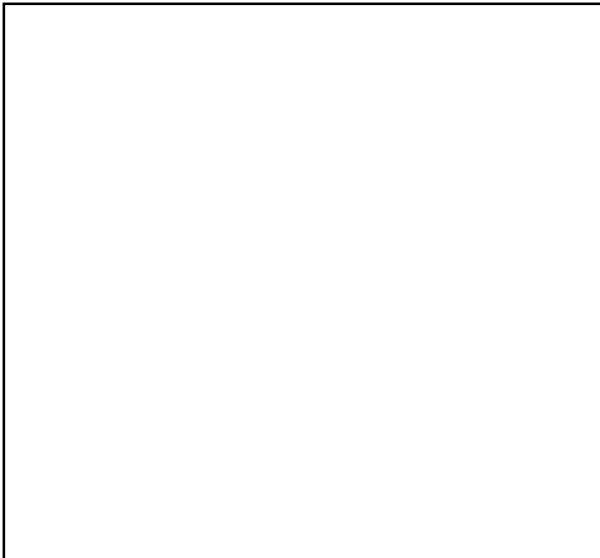
Photometric Results

CIE Class: Direct
Measurement Flux: 1398 lm
Downward Ratio: 98%
Horizontal Diffuse Angle(50%): H109.9
Vertical Diffuse Angle(50%): V110.1
Luminaire Efficacy Rating (LER): 81.05
Max. Intensity: 507.57 cd
S/MH(C0/C180): 1.26

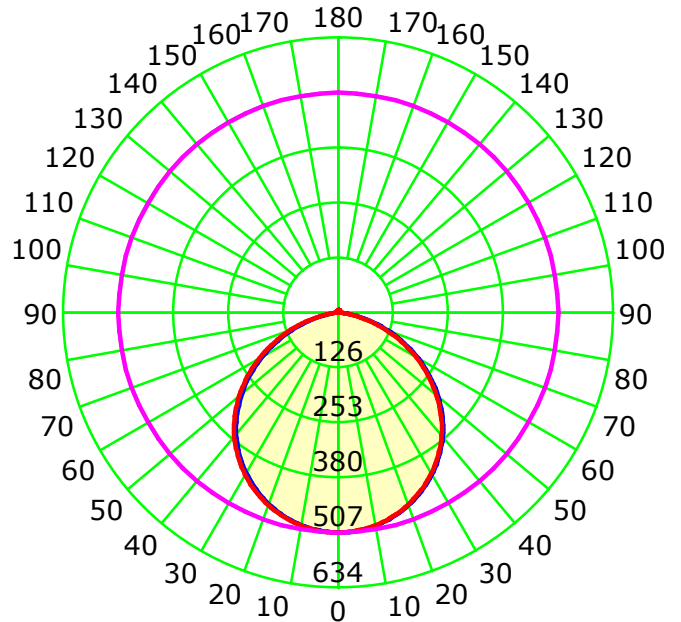
Total Rated Lamp Lumens: 1398.0 lm
Efficiency: 100%
Upward Ratio: 2%

C0r0 Intensity: 507.56 cd
Pos of Max. Intensity: H0 V0
S/MH(C90/C270): 1.26

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

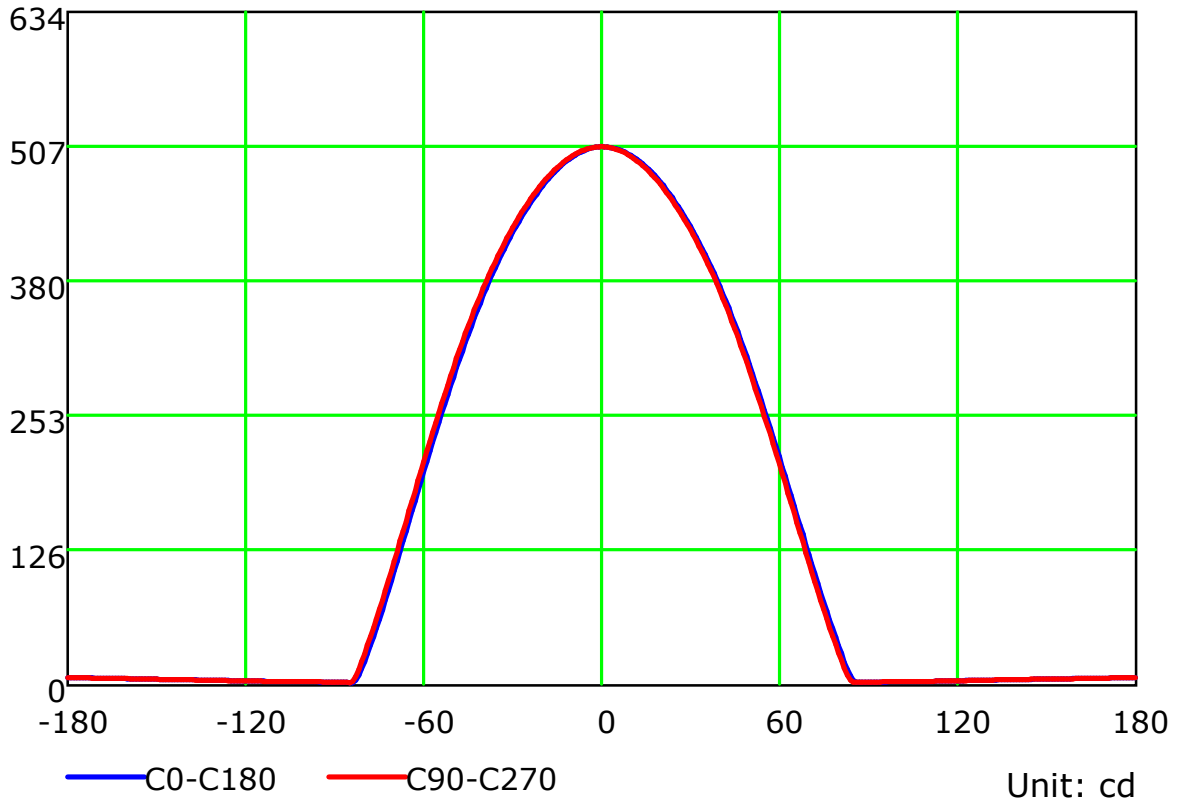
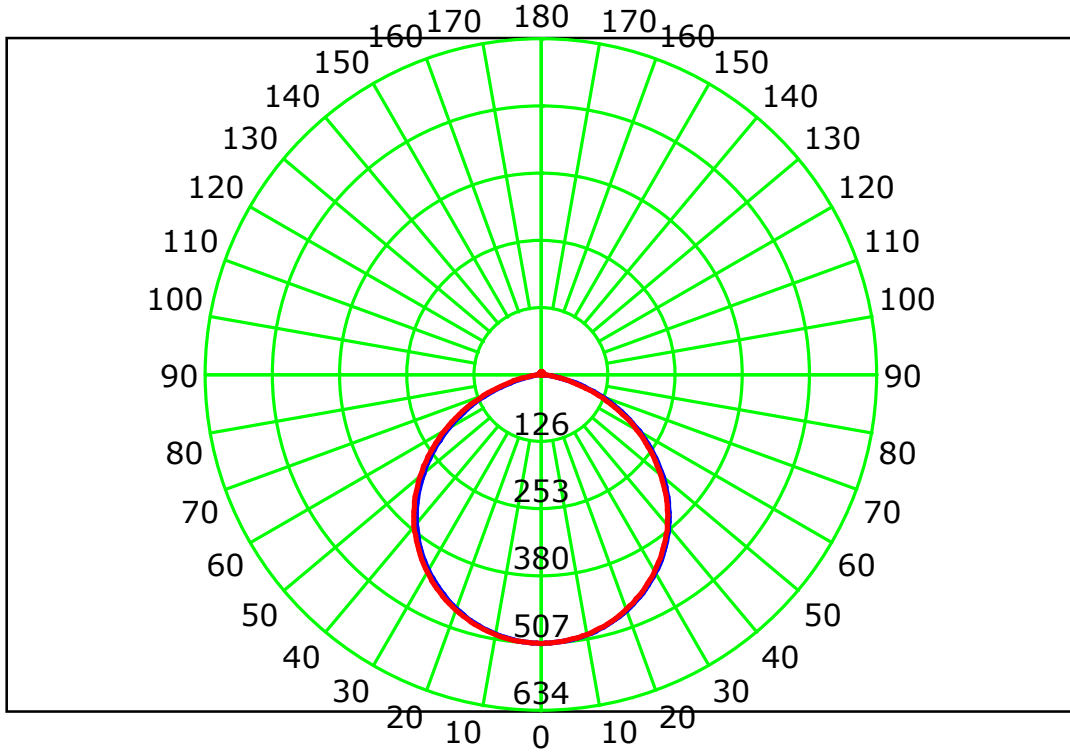
Average Diffuse Angle(50%): 110.0°

— C0-C180 — — C90-C270 — — G0 —

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.684 m [K=1.0000]
Humidity: 65
Inspector:

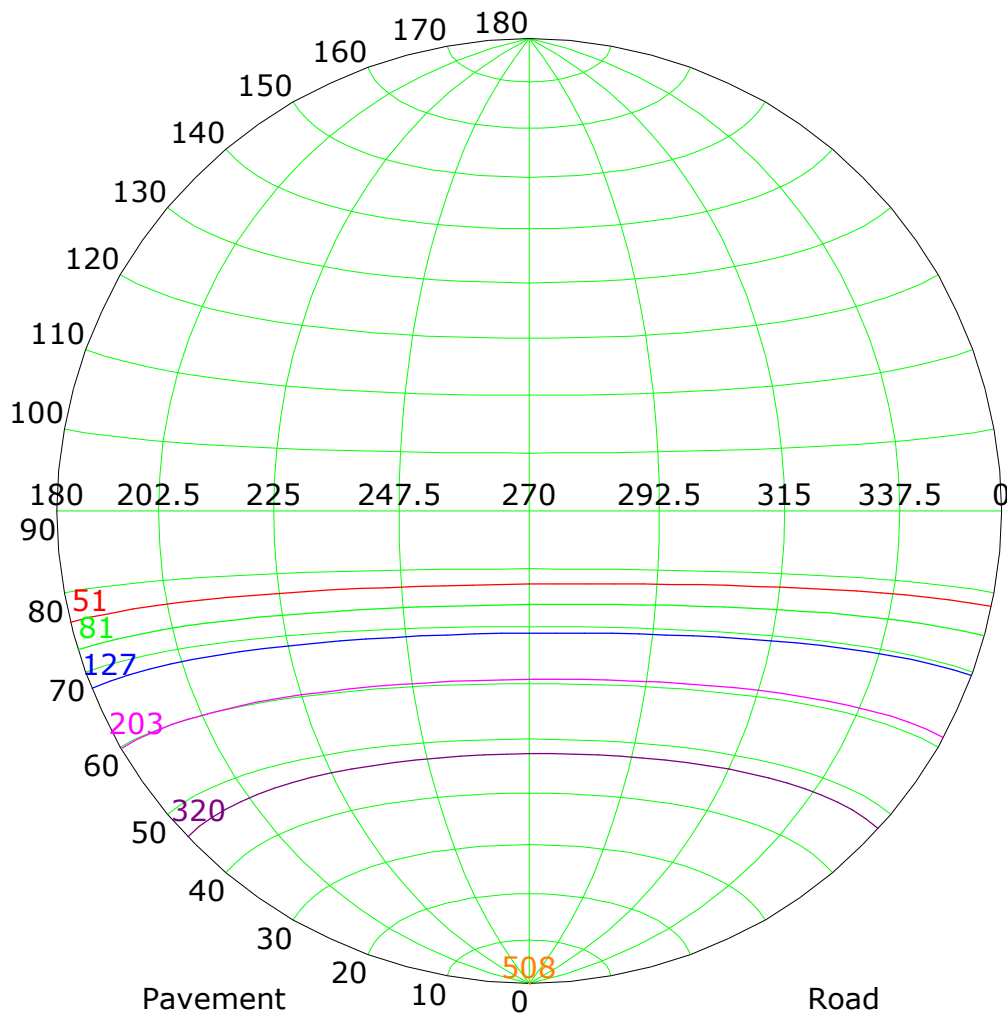
Luminous Intensity Distribution Curve



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 Inspector:

Isocandela (sphere)



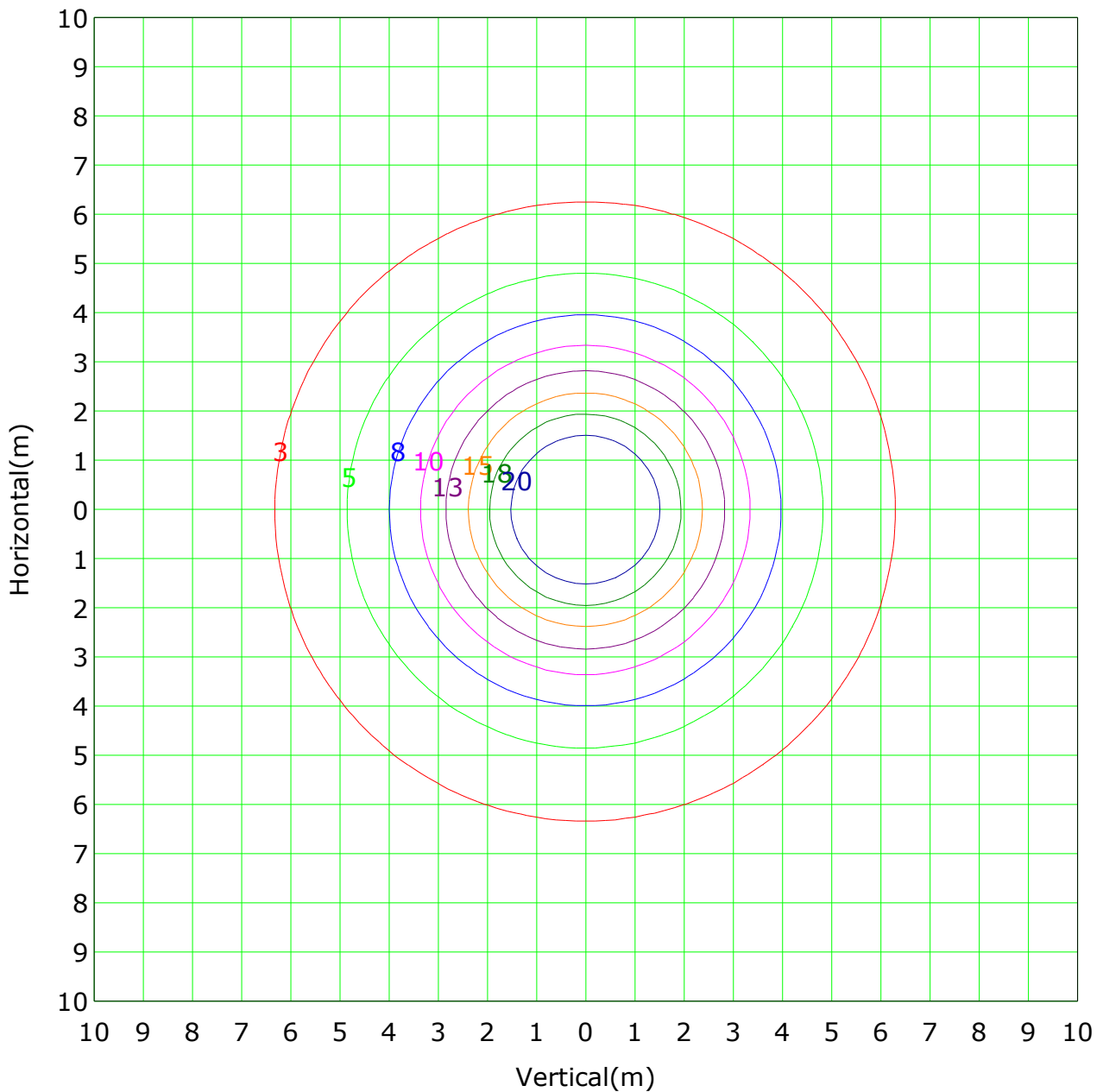
Imax (100%): 508 cd

— (10%): 51 cd	— (16%): 81 cd
— (25%): 127 cd	— (40%): 203 cd
— (63%): 320 cd	— (100%): 508 cd

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Inspector:

IsoLux Plot



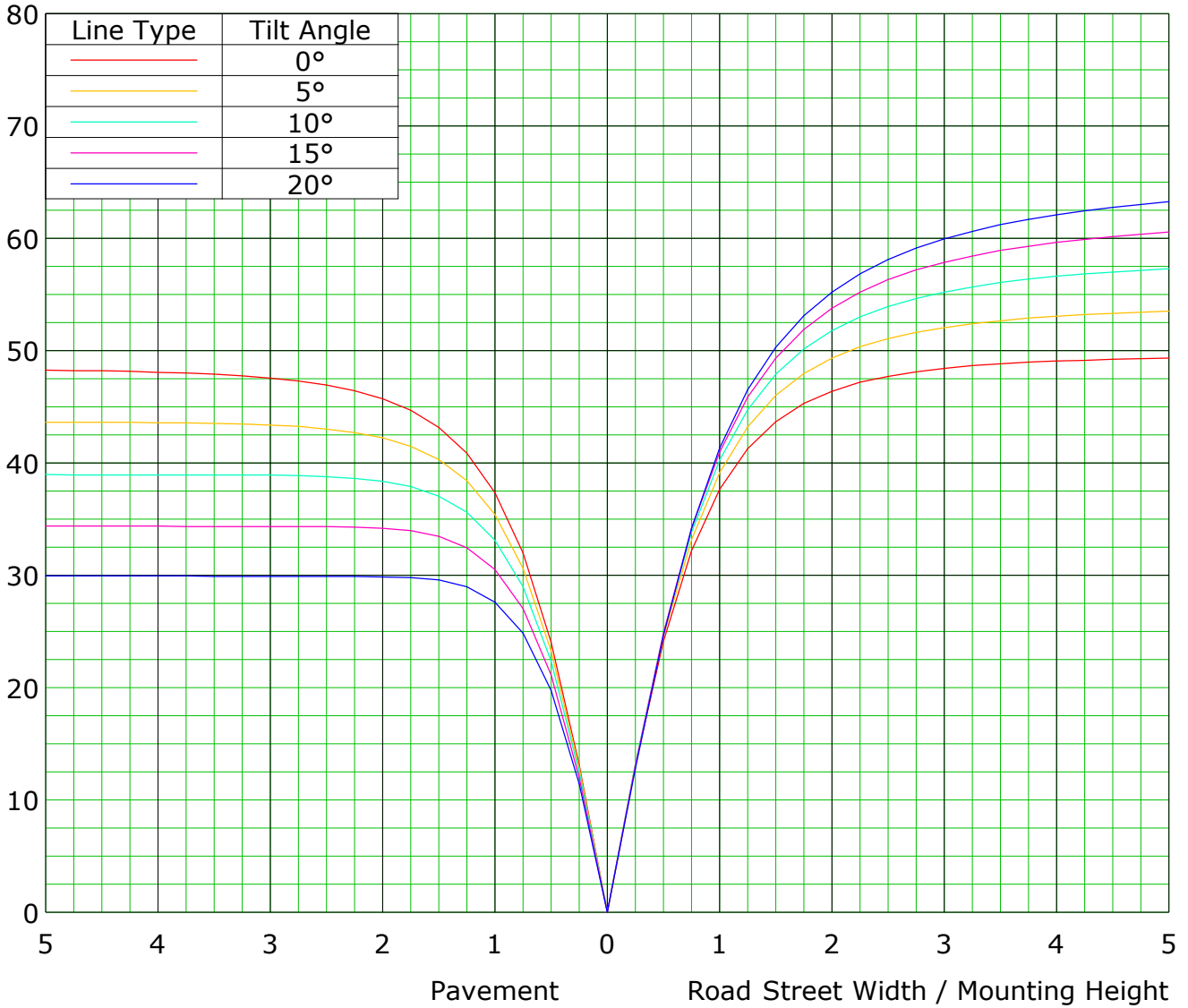
Mounting Height: 4.5m		Max Lux(100%): 25.1 lx
<ul style="list-style-type: none"> — (10%): 2.5 lx — (30%): 7.5 lx — (50%): 12.5 lx — (70%): 17.5 lx 	<ul style="list-style-type: none"> — (20%): 5.0 lx — (40%): 10.0 lx — (60%): 15.0 lx — (80%): 20.1 lx 	

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 Test Device: GPM-1800B
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 Humidity: 65
 Inspector:

Roadway CU Curve

Efficiency(%)



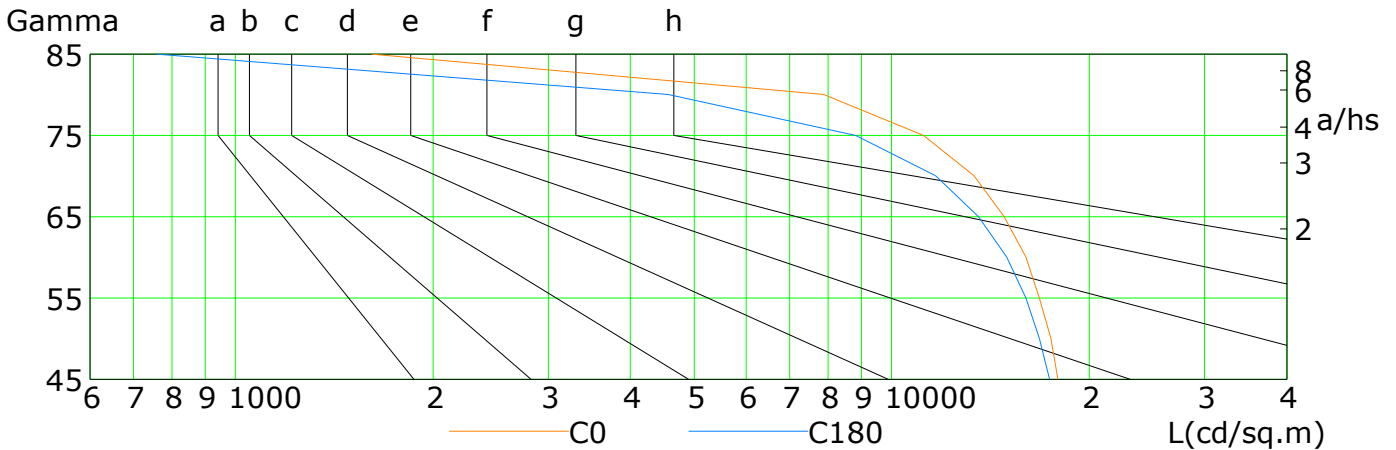
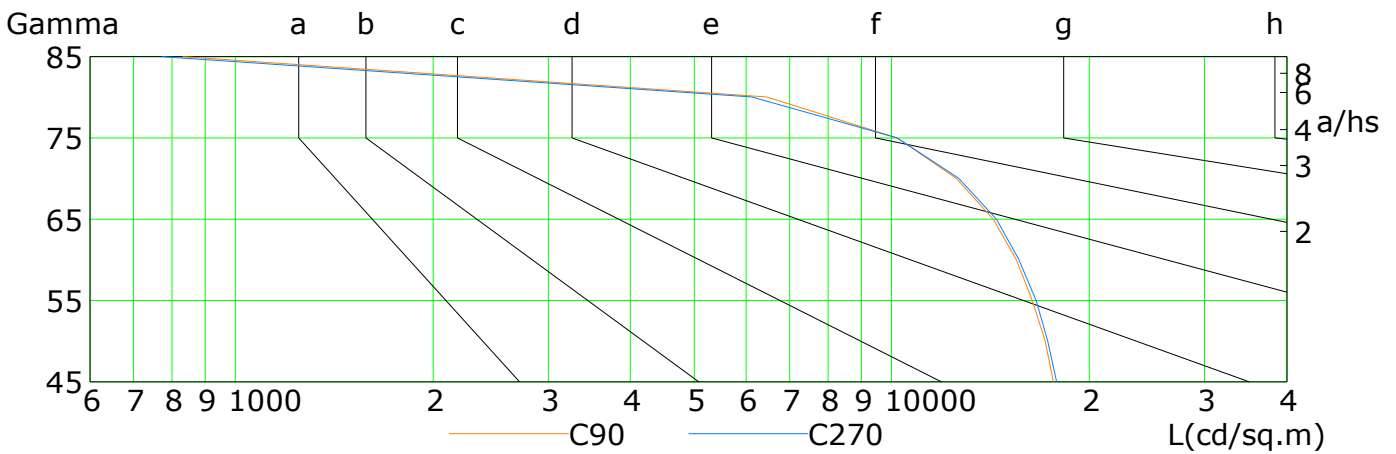
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 Test Type: TYPE C
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 Humidity: 65
 Inspector:

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

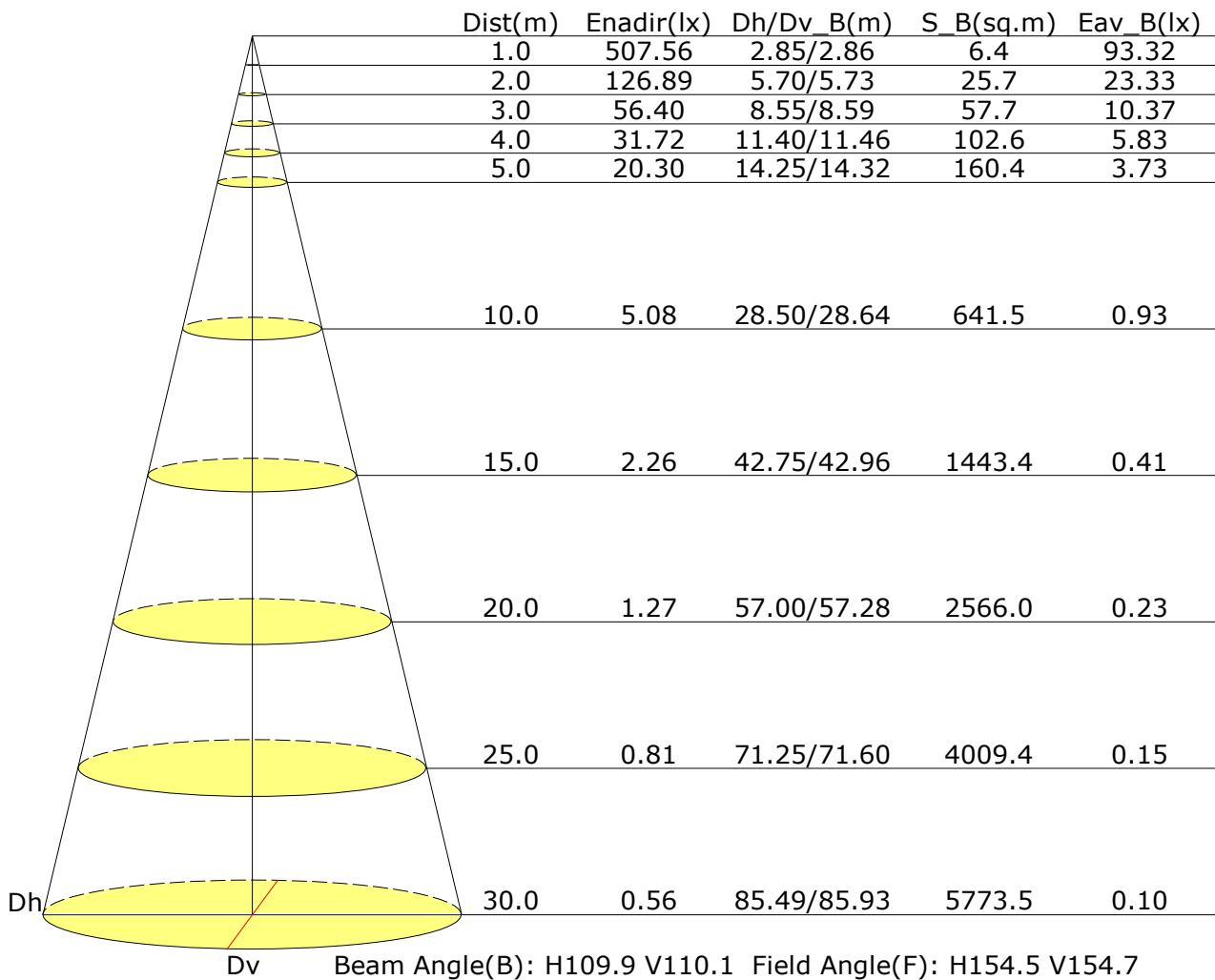


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	17922	17473	16810	16004	14837	13341	11193	7884	1615
C90	17659	17138	16393	15496	14280	12550	10196	6454	832
C180	17387	16777	16034	14962	13557	11659	8807	4569	759
C270	17826	17293	16620	15637	14445	12651	10205	6128	772

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Inspector:

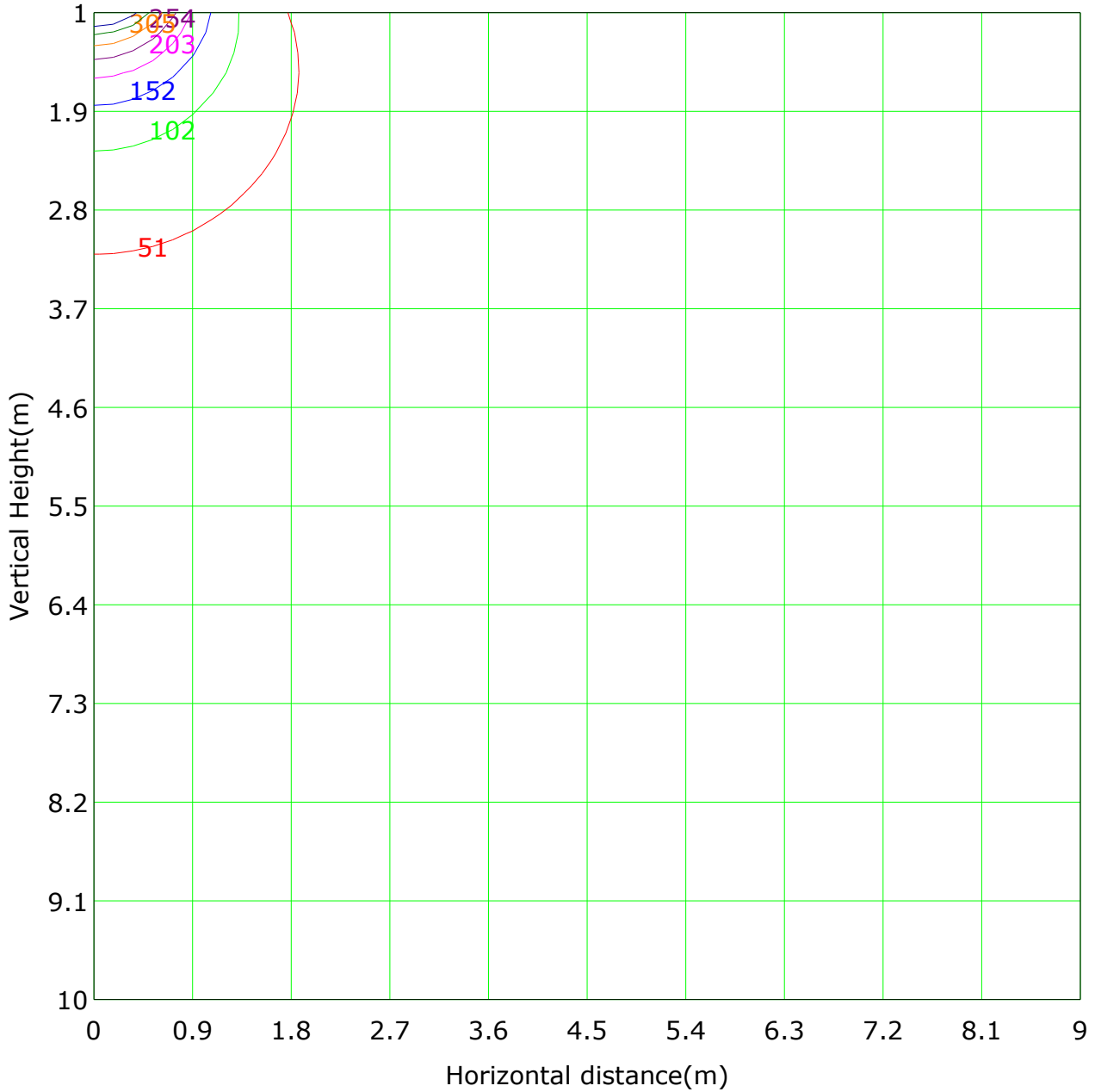
Illuminance at a Distance



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

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 Test Device: GPM-1800B
 Distance: 8.684 m [K=1.0000]
 Humidity: 65
 Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 10.0m	Max Lux: 507.6 lx
— (10%): 50.8 lx	— (20%): 101.5 lx	
— (30%): 152.3 lx	— (40%): 203.0 lx	
— (50%): 253.8 lx	— (60%): 304.5 lx	
— (70%): 355.3 lx	— (80%): 406.1 lx	

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Area Flux Table

Unit: lm

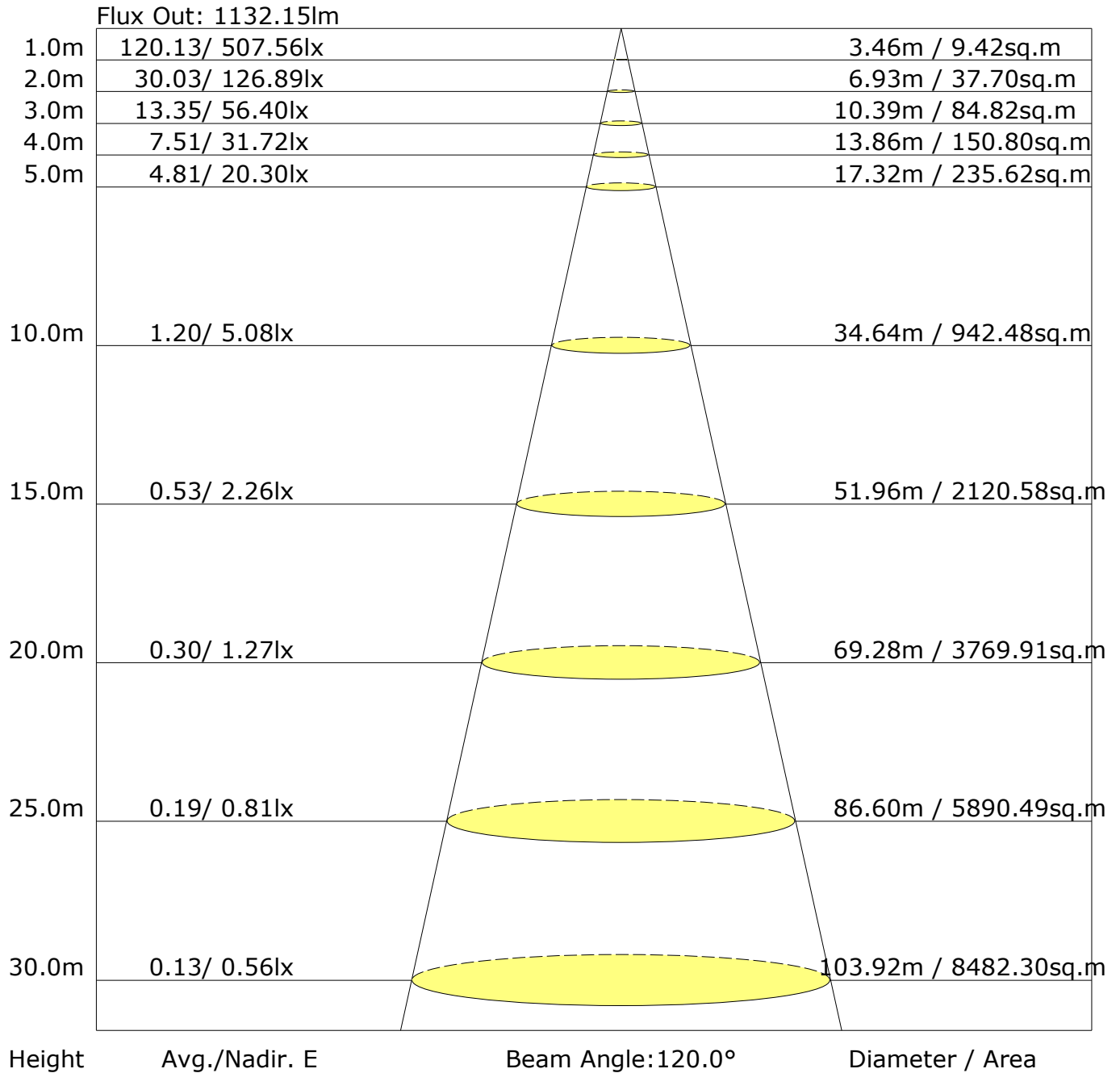
		Vertical plane																				
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90		
Flux(E)	Flux(T)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1375	1355
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0
-80	0.0	0.0	0.1	0.3	0.6	1.1	1.6	1.9	2.1	2.2	2.0	1.7	1.3	0.8	0.4	0.1	0.0	0.0	0.0	0.0	16.2	11.1
-70	0.0	0.0	0.3	1.0	1.9	2.9	3.8	4.5	4.9	4.9	4.6	3.9	3.0	2.1	1.2	0.5	0.1	0.0	0.0	0.0	39.6	38.4
-60	0.0	0.1	0.7	1.8	3.2	4.7	6.0	7.1	7.7	7.7	7.2	6.2	4.8	3.4	2.0	0.9	0.2	0.0	0.0	0.0	63.7	63.1
-50	0.0	0.2	1.1	2.6	4.4	6.3	8.1	9.4	10.2	10.2	9.5	8.2	6.5	4.6	2.8	1.3	0.3	0.0	0.0	0.0	85.8	85.4
-40	0.0	0.3	1.5	3.2	5.5	7.8	9.8	11.3	12.2	12.2	11.4	9.9	7.9	5.6	3.4	1.6	0.5	0.0	0.0	0.0	104.1	103.8
-30	0.0	0.4	1.7	3.8	6.3	8.8	11.1	12.7	13.7	13.7	12.8	11.2	9.0	6.4	4.0	1.9	0.5	0.0	0.0	0.0	118.0	117.8
-20	0.0	0.5	1.9	4.1	6.8	9.5	11.9	13.7	14.7	14.7	13.8	12.0	9.7	7.0	4.3	2.1	0.6	0.0	0.0	0.0	127.5	127.3
-10	0.0	0.5	2.0	4.3	7.1	9.9	12.3	14.2	15.2	15.2	14.3	12.5	10.1	7.3	4.5	2.2	0.6	0.0	0.0	0.0	132.2	132.0
0	0.0	0.5	2.0	4.3	7.1	9.9	12.3	14.2	15.2	15.2	14.3	12.5	10.0	7.3	4.5	2.2	0.6	0.0	0.0	0.0	132.2	132.0
10	0.0	0.5	1.9	4.1	6.8	9.5	11.9	13.7	14.6	14.7	13.7	12.0	9.7	7.0	4.3	2.1	0.6	0.0	0.0	0.0	127.3	127.1
20	0.0	0.4	1.7	3.8	6.2	8.8	11.1	12.7	13.6	13.6	12.8	11.2	9.0	6.4	4.0	1.9	0.5	0.0	0.0	0.0	117.7	117.5
30	0.0	0.3	1.5	3.2	5.4	7.7	9.8	11.3	12.1	12.1	11.3	9.9	7.9	5.6	3.4	1.6	0.5	0.0	0.0	0.0	103.7	103.4
40	0.0	0.2	1.1	2.6	4.4	6.3	8.0	9.4	10.1	10.1	9.4	8.2	6.5	4.6	2.8	1.3	0.3	0.0	0.0	0.0	85.2	84.8
50	0.0	0.1	0.7	1.8	3.2	4.7	6.0	7.0	7.6	7.6	7.1	6.1	4.8	3.4	2.0	0.9	0.2	0.0	0.0	0.0	63.2	62.6
60	0.0	0.0	0.3	1.0	1.9	2.8	3.8	4.5	4.9	4.9	4.5	3.9	3.0	2.1	1.2	0.5	0.1	0.0	0.0	0.0	39.3	38.1
70	0.0	0.0	0.1	0.3	0.7	1.1	1.6	1.9	2.1	2.2	2.0	1.7	1.3	0.8	0.4	0.1	0.0	0.0	0.0	0.0	16.2	11.1
80	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0
90	0.2	4.4	18.8	42.3	71.5	102.1	129.3	149.9	161.2	161.5	151.1	131.3	104.6	74.5	45.2	21.2	5.9	0.3	0.0	0.0	1375	

Horizontal plane

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 Inspector:

The Average Illuminance Effective Figure



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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	22.4	23.7	22.7	24.0	24.3	22.3	23.7	22.7	23.9	24.2
3H	23.8	25.0	24.1	25.3	25.6	23.6	24.8	24.0	25.1	25.4
4H	24.2	25.3	24.6	25.7	26.0	24.0	25.2	24.4	25.5	25.8
6H	24.4	25.5	24.8	25.8	26.2	24.2	25.2	24.6	25.6	25.9
8H	24.5	25.5	24.9	25.8	26.2	24.2	25.2	24.6	25.6	25.9
12H	24.4	25.4	24.8	25.8	26.1	24.2	25.1	24.6	25.5	25.9
X=4H Y=2H	23.0	24.1	23.4	24.5	24.8	22.9	24.1	23.3	24.4	24.7
3H	24.5	25.5	24.9	25.8	26.2	24.4	25.4	24.8	25.7	26.1
4H	25.1	25.9	25.5	26.3	26.7	24.9	25.8	25.3	26.1	26.6
6H	25.4	26.1	25.8	26.6	27.0	25.1	25.9	25.6	26.3	26.8
8H	25.4	26.1	25.9	26.5	27.0	25.2	25.9	25.6	26.3	26.7
12H	25.4	26.0	25.9	26.5	27.0	25.1	25.8	25.6	26.2	26.7
X=8H Y=4H	25.3	26.0	25.7	26.4	26.8	25.1	25.8	25.6	26.2	26.7
6H	25.6	26.2	26.1	26.7	27.2	25.4	26.0	25.9	26.4	26.9
8H	25.7	26.2	26.2	26.7	27.2	25.4	25.9	25.9	26.4	26.9
12H	25.7	26.1	26.2	26.6	27.2	25.4	25.8	25.9	26.3	26.9
X=12H Y=4H	25.2	25.9	25.7	26.3	26.8	25.1	25.7	25.6	26.2	26.6
6H	25.6	26.1	26.1	26.6	27.1	25.4	25.9	25.9	26.4	26.9
8H	25.7	26.1	26.2	26.6	27.2	25.4	25.9	26.0	26.4	26.9
Variations with the observer position at spacings:										
S=1.0H						+0.2/-0.2				
S=1.5H						+0.3/-0.5				
S=2.0H						+0.6/-1.0				

Calculate in accordance with CIE Pub.117. The table is revised with 1398lm ($8\log(F/F_0) = 1.2$).

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 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	507.5	0.5	0.5	0.03	0.03
1.0-2.0	507.3	1.5	1.9	0.10	0.14
2.0-3.0	506.9	2.4	4.4	0.17	0.31
3.0-4.0	506.4	3.4	7.8	0.24	0.55
4.0-5.0	505.7	4.4	12.1	0.31	0.87
5.0-6.0	504.8	5.3	17.4	0.38	1.25
6.0-7.0	503.7	6.3	23.7	0.45	1.69
7.0-8.0	502.5	7.2	30.9	0.51	2.21
8.0-9.0	501.0	8.1	39.0	0.58	2.79
9.0-10.0	499.4	9.0	48.0	0.65	3.43
10.0-11.0	497.7	9.9	58.0	0.71	4.15
11.0-12.0	495.7	10.8	68.8	0.78	4.92
12.0-13.0	493.6	11.7	80.5	0.84	5.76
13.0-14.0	491.3	12.6	93.1	0.90	6.66
14.0-15.0	488.8	13.4	106.5	0.96	7.62
15.0-16.0	486.2	14.2	120.8	1.02	8.64
16.0-17.0	483.4	15.1	135.8	1.08	9.72
17.0-18.0	480.5	15.8	151.7	1.13	10.85
18.0-19.0	477.3	16.6	168.3	1.19	12.04
19.0-20.0	474.1	17.4	185.6	1.24	13.28
20.0-21.0	470.6	18.1	203.7	1.29	14.57
21.0-22.0	466.9	18.8	222.5	1.34	15.91
22.0-23.0	463.1	19.4	241.9	1.39	17.30
23.0-24.0	459.2	20.1	262.0	1.44	18.74
24.0-25.0	455.1	20.7	282.7	1.48	20.22
25.0-26.0	450.9	21.3	304.0	1.52	21.74
26.0-27.0	446.5	21.8	325.8	1.56	23.31
27.0-28.0	441.9	22.4	348.2	1.60	24.91
28.0-29.0	437.2	22.9	371.1	1.64	26.54
29.0-30.0	432.3	23.3	394.4	1.67	28.21
30.0-31.0	427.4	23.8	418.2	1.70	29.91
31.0-32.0	422.2	24.2	442.4	1.73	31.64
32.0-33.0	417.0	24.6	467.0	1.76	33.40
33.0-34.0	411.5	24.9	491.9	1.78	35.18
34.0-35.0	405.8	25.2	517.1	1.80	36.99
35.0-36.0	400.0	25.5	542.5	1.82	38.81

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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	394.2	25.7	568.3	1.84	40.65
37.0-38.0	388.0	25.9	594.2	1.85	42.50
38.0-39.0	381.8	26.1	620.2	1.86	44.37
39.0-40.0	375.4	26.2	646.4	1.87	46.24
40.0-41.0	368.6	26.3	672.7	1.88	48.12
41.0-42.0	361.8	26.3	699.0	1.88	50.00
42.0-43.0	354.9	26.3	725.2	1.88	51.88
43.0-44.0	347.6	26.2	751.5	1.88	53.75
44.0-45.0	340.1	26.1	777.6	1.87	55.62
45.0-46.0	332.7	26.0	803.6	1.86	57.49
46.0-47.0	324.9	25.8	829.5	1.85	59.33
47.0-48.0	316.9	25.6	855.1	1.83	61.17
48.0-49.0	309.0	25.4	880.5	1.82	62.98
49.0-50.0	300.9	25.1	905.6	1.79	64.78
50.0-51.0	292.4	24.7	930.3	1.77	66.55
51.0-52.0	284.1	24.4	954.7	1.74	68.29
52.0-53.0	275.6	24.0	978.7	1.72	70.01
53.0-54.0	266.9	23.5	1002.2	1.68	71.69
54.0-55.0	258.2	23.1	1025.3	1.65	73.34
55.0-56.0	249.3	22.5	1047.8	1.61	74.95
56.0-57.0	240.4	22.0	1069.8	1.57	76.52
57.0-58.0	231.6	21.4	1091.2	1.53	78.06
58.0-59.0	222.5	20.8	1112.0	1.49	79.54
59.0-60.0	213.3	20.1	1132.2	1.44	80.99
60.0-61.0	204.1	19.5	1151.6	1.39	82.38
61.0-62.0	194.9	18.8	1170.4	1.34	83.72
62.0-63.0	185.6	18.1	1188.5	1.29	85.01
63.0-64.0	176.3	17.3	1205.8	1.24	86.25
64.0-65.0	167.0	16.5	1222.3	1.18	87.43
65.0-66.0	157.4	15.7	1238.0	1.12	88.56
66.0-67.0	148.1	14.9	1252.9	1.07	89.62
67.0-68.0	138.9	14.1	1267.0	1.01	90.63
68.0-69.0	129.3	13.2	1280.2	0.94	91.57
69.0-70.0	119.9	12.3	1292.5	0.88	92.45
70.0-71.0	110.9	11.5	1303.9	0.82	93.27
71.0-72.0	101.7	10.6	1314.5	0.76	94.03

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.684 m [K=1.0000]
 Humidity: 65
 Inspector:

Zonal Lumen (Continue 2)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	92.4	9.7	1324.2	0.69	94.72
73.0-74.0	83.4	8.8	1332.9	0.63	95.35
74.0-75.0	74.7	7.9	1340.8	0.56	95.91
75.0-76.0	65.8	7.0	1347.8	0.50	96.41
76.0-77.0	57.3	6.1	1353.9	0.44	96.85
77.0-78.0	49.1	5.3	1359.2	0.38	97.23
78.0-79.0	41.0	4.4	1363.6	0.32	97.54
79.0-80.0	33.1	3.6	1367.2	0.26	97.80
80.0-81.0	25.6	2.8	1369.9	0.20	97.99
81.0-82.0	18.3	2.0	1371.9	0.14	98.14
82.0-83.0	11.7	1.3	1373.2	0.09	98.23
83.0-84.0	6.5	0.7	1373.9	0.05	98.28
84.0-85.0	3.3	0.4	1374.3	0.03	98.30
85.0-86.0	2.1	0.2	1374.5	0.02	98.32
86.0-87.0	1.9	0.2	1374.7	0.02	98.34
87.0-88.0	2.0	0.2	1374.9	0.02	98.35
88.0-89.0	2.0	0.2	1375.1	0.02	98.37
89.0-90.0	2.1	0.2	1375.4	0.02	98.38
90.0-91.0	2.1	0.2	1375.6	0.02	98.40
91.0-92.0	2.2	0.2	1375.8	0.02	98.42
92.0-93.0	2.3	0.3	1376.1	0.02	98.43
93.0-94.0	2.3	0.3	1376.4	0.02	98.45
94.0-95.0	2.4	0.3	1376.6	0.02	98.47
95.0-96.0	2.4	0.3	1376.9	0.02	98.49
96.0-97.0	2.5	0.3	1377.2	0.02	98.51
97.0-98.0	2.5	0.3	1377.4	0.02	98.53
98.0-99.0	2.5	0.3	1377.7	0.02	98.55
99.0-100.0	2.5	0.3	1378.0	0.02	98.57
100.0-101.0	2.5	0.3	1378.2	0.02	98.59
101.0-102.0	2.5	0.3	1378.5	0.02	98.61
102.0-103.0	2.6	0.3	1378.8	0.02	98.63
103.0-104.0	2.6	0.3	1379.1	0.02	98.65
104.0-105.0	2.6	0.3	1379.3	0.02	98.67
105.0-106.0	2.7	0.3	1379.6	0.02	98.69
106.0-107.0	2.7	0.3	1379.9	0.02	98.71
107.0-108.0	2.7	0.3	1380.2	0.02	98.73

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.684 m [K=1.0000]
 Humidity: 65
 Inspector:

Zonal Lumen (Continue 3)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	2.8	0.3	1380.5	0.02	98.75
109.0-110.0	2.8	0.3	1380.8	0.02	98.77
110.0-111.0	2.9	0.3	1381.1	0.02	98.79
111.0-112.0	2.9	0.3	1381.4	0.02	98.81
112.0-113.0	3.0	0.3	1381.7	0.02	98.83
113.0-114.0	3.0	0.3	1382.0	0.02	98.85
114.0-115.0	3.1	0.3	1382.3	0.02	98.88
115.0-116.0	3.1	0.3	1382.6	0.02	98.90
116.0-117.0	3.2	0.3	1382.9	0.02	98.92
117.0-118.0	3.2	0.3	1383.2	0.02	98.94
118.0-119.0	3.3	0.3	1383.5	0.02	98.97
119.0-120.0	3.4	0.3	1383.9	0.02	98.99
120.0-121.0	3.4	0.3	1384.2	0.02	99.01
121.0-122.0	3.5	0.3	1384.5	0.02	99.04
122.0-123.0	3.5	0.3	1384.8	0.02	99.06
123.0-124.0	3.6	0.3	1385.2	0.02	99.08
124.0-125.0	3.6	0.3	1385.5	0.02	99.11
125.0-126.0	3.7	0.3	1385.8	0.02	99.13
126.0-127.0	3.8	0.3	1386.1	0.02	99.15
127.0-128.0	3.8	0.3	1386.5	0.02	99.18
128.0-129.0	3.9	0.3	1386.8	0.02	99.20
129.0-130.0	3.9	0.3	1387.1	0.02	99.22
130.0-131.0	4.0	0.3	1387.5	0.02	99.25
131.0-132.0	4.0	0.3	1387.8	0.02	99.27
132.0-133.0	4.1	0.3	1388.1	0.02	99.30
133.0-134.0	4.2	0.3	1388.5	0.02	99.32
134.0-135.0	4.2	0.3	1388.8	0.02	99.34
135.0-136.0	4.3	0.3	1389.1	0.02	99.37
136.0-137.0	4.3	0.3	1389.4	0.02	99.39
137.0-138.0	4.4	0.3	1389.8	0.02	99.41
138.0-139.0	4.4	0.3	1390.1	0.02	99.44
139.0-140.0	4.5	0.3	1390.4	0.02	99.46
140.0-141.0	4.5	0.3	1390.7	0.02	99.48
141.0-142.0	4.6	0.3	1391.0	0.02	99.50
142.0-143.0	4.6	0.3	1391.3	0.02	99.53
143.0-144.0	4.7	0.3	1391.6	0.02	99.55

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.684 m [K=1.0000]
 Humidity: 65
 Inspector:

Zonal Lumen (Continue 4)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	4.7	0.3	1391.9	0.02	99.57
145.0-146.0	4.7	0.3	1392.2	0.02	99.59
146.0-147.0	4.8	0.3	1392.5	0.02	99.61
147.0-148.0	4.8	0.3	1392.8	0.02	99.63
148.0-149.0	4.9	0.3	1393.1	0.02	99.65
149.0-150.0	4.9	0.3	1393.4	0.02	99.67
150.0-151.0	5.0	0.3	1393.6	0.02	99.69
151.0-152.0	5.0	0.3	1393.9	0.02	99.71
152.0-153.0	5.1	0.3	1394.2	0.02	99.73
153.0-154.0	5.1	0.3	1394.4	0.02	99.75
154.0-155.0	5.2	0.2	1394.7	0.02	99.76
155.0-156.0	5.2	0.2	1394.9	0.02	99.78
156.0-157.0	5.3	0.2	1395.1	0.02	99.80
157.0-158.0	5.3	0.2	1395.4	0.02	99.81
158.0-159.0	5.4	0.2	1395.6	0.02	99.83
159.0-160.0	5.4	0.2	1395.8	0.01	99.84
160.0-161.0	5.5	0.2	1396.0	0.01	99.86
161.0-162.0	5.5	0.2	1396.2	0.01	99.87
162.0-163.0	5.6	0.2	1396.4	0.01	99.88
163.0-164.0	5.6	0.2	1396.5	0.01	99.90
164.0-165.0	5.7	0.2	1396.7	0.01	99.91
165.0-166.0	5.7	0.2	1396.9	0.01	99.92
166.0-167.0	5.8	0.1	1397.0	0.01	99.93
167.0-168.0	5.8	0.1	1397.1	0.01	99.94
168.0-169.0	5.9	0.1	1397.3	0.01	99.95
169.0-170.0	5.9	0.1	1397.4	0.01	99.96
170.0-171.0	6.0	0.1	1397.5	0.01	99.97
171.0-172.0	6.0	0.1	1397.6	0.01	99.97
172.0-173.0	6.1	0.1	1397.7	0.01	99.98
173.0-174.0	6.2	0.1	1397.8	0.01	99.98
174.0-175.0	6.2	0.1	1397.8	0.00	99.99
175.0-176.0	6.3	0.1	1397.9	0.00	99.99
176.0-177.0	6.4	0.0	1397.9	0.00	100.00
177.0-178.0	6.4	0.0	1398.0	0.00	100.00
178.0-179.0	6.5	0.0	1398.0	0.00	100.00
179.0-180.0	6.5	0.0	1398.0	0.00	100.00

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.684 m [K=1.0000]
 Humidity: 65
 Inspector:

Zonal Lumen (Continue 5)

cone flux(90°): 777.62 lm

%lum = 55.6%
%lamp = 55.6%

cone flux(120°): 1132.15 lm

%lum = 81.0%
%lamp = 81.0%

Candlepower Table

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G0.0	507.6	507.6	507.6	507.6	507.6					
G1.0	507.5	507.4	507.3	507.5	507.5					
G2.0	507.3	507.1	507.0	507.3	507.3					
G3.0	506.9	506.6	506.4	506.9	506.9					
G4.0	506.3	505.9	505.9	506.3	506.3					
G5.0	505.6	505.1	504.9	505.5	505.6					
G6.0	504.8	504.0	503.8	504.5	504.8					
G7.0	503.7	502.8	502.6	503.4	503.7					
G8.0	502.4	501.6	501.1	502.1	502.4					
G9.0	500.9	499.9	499.5	500.5	500.9					
G10.0	499.4	498.3	497.8	498.9	499.4					
G11.0	497.6	496.4	495.8	497.1	497.6					
G12.0	495.7	494.2	493.8	495.1	495.7					
G13.0	493.6	492.1	491.3	493.0	493.6					
G14.0	491.4	489.6	488.9	490.5	491.4					
G15.0	488.7	487.1	486.0	488.1	488.7					
G16.0	486.1	484.4	483.3	485.6	486.1					
G17.0	483.5	481.6	480.4	482.6	483.5					
G18.0	480.6	478.4	477.0	479.6	480.6					
G19.0	477.2	475.2	473.8	476.6	477.2					
G20.0	474.0	472.0	470.4	473.3	474.0					
G21.0	470.7	468.2	466.5	469.6	470.7					
G22.0	466.8	464.6	462.8	466.0	466.8					
G23.0	463.2	460.5	458.9	462.3	463.2					
G24.0	459.4	456.6	454.5	458.5	459.4					
G25.0	455.0	452.5	450.3	454.1	455.0					
G26.0	450.8	448.3	446.0	449.9	450.8					
G27.0	446.5	443.5	441.5	445.5	446.5					
G28.0	442.0	438.9	436.4	441.1	442.0					
G29.0	437.3	434.0	431.8	436.0	437.3					
G30.0	432.6	429.2	426.7	431.2	432.6					
G31.0	427.3	424.3	421.7	426.3	427.3					
G32.0	422.4	418.8	416.0	421.2	422.4					
G33.0	417.3	413.6	410.7	415.9	417.3					
G34.0	411.4	408.3	405.1	410.0	411.4					
G35.0	406.0	402.1	398.8	404.4	406.0					
G36.0	400.4	396.5	393.0	398.8	400.4					

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.684 m [K=1.0000]
 Humidity: 65
 Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G37.0	394.1	390.7	387.0	392.9	394.1					
G38.0	388.2	384.6	380.3	386.5	388.2					
G39.0	382.2	378.4	374.0	380.4	382.2					
G40.0	375.3	371.3	367.4	374.2	375.3					
G41.0	368.9	364.7	360.0	367.3	368.9					
G42.0	362.2	357.8	353.0	360.6	362.2					
G43.0	355.4	350.8	345.9	353.7	355.4					
G44.0	347.8	343.0	338.0	346.2	347.8					
G45.0	340.6	335.6	330.5	338.8	340.6					
G46.0	333.3	328.2	322.9	331.4	333.3					
G47.0	325.1	319.8	314.5	323.9	325.1					
G48.0	317.5	312.1	306.7	315.5	317.5					
G49.0	309.8	304.2	298.8	307.7	309.8					
G50.0	301.9	296.1	289.9	298.8	301.9					
G51.0	293.0	287.1	281.8	290.7	293.0					
G52.0	285.0	278.9	273.5	282.5	285.0					
G53.0	276.8	270.6	264.4	273.4	276.8					
G54.0	267.6	262.2	255.8	264.8	267.6					
G55.0	259.2	252.7	247.2	256.2	259.2					
G56.0	250.8	244.2	237.7	246.7	250.8					
G57.0	241.4	235.7	228.8	237.9	241.4					
G58.0	232.7	226.9	220.1	229.1	232.7					
G59.0	223.9	217.2	210.2	220.1	223.9					
G60.0	215.1	208.3	201.1	210.2	215.1					
G61.0	205.4	199.4	192.1	201.3	205.4					
G62.0	196.5	190.4	182.2	192.3	196.5					
G63.0	187.5	180.5	173.2	182.3	187.5					
G64.0	178.5	171.4	164.0	173.1	178.5					
G65.0	168.6	162.2	154.0	164.1	168.6					
G66.0	159.5	152.3	144.8	153.9	159.5					
G67.0	150.5	143.2	135.6	144.7	150.5					
G68.0	141.5	134.2	125.6	135.6	141.5					
G69.0	131.5	124.3	116.3	125.5	131.5					
G70.0	122.7	115.4	107.2	116.3	122.7					
G71.0	113.7	106.5	98.0	107.2	113.7					
G72.0	104.9	96.8	88.3	98.2	104.9					
G73.0	95.2	88.0	79.4	88.4	95.2					

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.684 m [K=1.0000]
 Humidity: 65
 Inspector:

Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G74.0	86.5	79.4	70.7	79.6	86.5					
G75.0	77.9	70.9	61.3	71.0	77.9					
G76.0	69.4	61.7	52.9	61.6	69.4					
G77.0	60.9	53.5	44.9	53.4	60.9					
G78.0	52.7	45.4	36.9	45.0	52.7					
G79.0	44.6	37.7	28.5	37.0	44.6					
G80.0	36.8	30.1	21.3	28.6	36.8					
G81.0	29.1	22.8	14.5	21.2	29.1					
G82.0	21.1	15.2	8.5	14.3	21.1					
G83.0	14.3	9.0	3.6	7.8	14.3					
G84.0	8.4	4.0	1.7	2.9	8.4					
G85.0	3.8	1.9	1.8	1.8	3.8					
G86.0	1.9	2.0	1.8	1.8	1.9					
G87.0	2.0	2.1	1.8	1.8	2.0					
G88.0	2.0	2.2	1.9	1.9	2.0					
G89.0	2.1	2.2	1.9	2.0	2.1					
G90.0	2.2	2.3	2.0	2.1	2.2					
G91.0	2.2	2.3	2.1	2.1	2.2					
G92.0	2.3	2.3	2.2	2.2	2.3					
G93.0	2.3	2.4	2.3	2.3	2.3					
G94.0	2.4	2.4	2.4	2.4	2.4					
G95.0	2.4	2.4	2.4	2.4	2.4					
G96.0	2.4	2.5	2.5	2.5	2.4					
G97.0	2.4	2.5	2.5	2.5	2.4					
G98.0	2.4	2.5	2.6	2.5	2.4					
G99.0	2.4	2.5	2.6	2.6	2.4					
G100.0	2.5	2.5	2.6	2.5	2.5					
G101.0	2.5	2.6	2.6	2.5	2.5					
G102.0	2.5	2.6	2.6	2.5	2.5					
G103.0	2.6	2.6	2.6	2.6	2.6					
G104.0	2.6	2.6	2.6	2.6	2.6					
G105.0	2.6	2.6	2.7	2.6	2.6					
G106.0	2.7	2.7	2.7	2.7	2.7					
G107.0	2.8	2.7	2.7	2.7	2.8					
G108.0	2.8	2.8	2.8	2.7	2.8					
G109.0	2.8	2.8	2.8	2.7	2.8					
G110.0	2.9	2.9	2.8	2.8	2.9					

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.684 m [K=1.0000]
 Humidity: 65
 Inspector:

Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G111.0	2.9	2.9	2.8	2.8	2.9					
G112.0	3.0	3.0	3.0	2.9	3.0					
G113.0	3.0	3.0	3.0	2.9	3.0					
G114.0	3.1	3.1	3.0	3.0	3.1					
G115.0	3.2	3.2	3.1	3.0	3.2					
G116.0	3.2	3.2	3.2	3.1	3.2					
G117.0	3.3	3.3	3.2	3.1	3.3					
G118.0	3.3	3.3	3.2	3.2	3.3					
G119.0	3.4	3.4	3.3	3.2	3.4					
G120.0	3.4	3.4	3.4	3.3	3.4					
G121.0	3.6	3.5	3.4	3.3	3.6					
G122.0	3.6	3.6	3.5	3.4	3.6					
G123.0	3.6	3.6	3.5	3.5	3.6					
G124.0	3.7	3.7	3.6	3.5	3.7					
G125.0	3.7	3.8	3.6	3.6	3.7					
G126.0	3.8	3.8	3.7	3.6	3.8					
G127.0	3.9	3.8	3.7	3.7	3.9					
G128.0	3.9	3.9	3.8	3.7	3.9					
G129.0	3.9	4.0	3.8	3.8	3.9					
G130.0	4.0	4.1	3.9	3.8	4.0					
G131.0	4.1	4.1	3.9	3.9	4.1					
G132.0	4.2	4.1	4.0	4.0	4.2					
G133.0	4.2	4.3	4.1	4.0	4.2					
G134.0	4.3	4.3	4.1	4.1	4.3					
G135.0	4.3	4.4	4.2	4.2	4.3					
G136.0	4.4	4.4	4.2	4.2	4.4					
G137.0	4.4	4.5	4.3	4.2	4.4					
G138.0	4.5	4.5	4.3	4.3	4.5					
G139.0	4.4	4.6	4.4	4.3	4.4					
G140.0	4.6	4.6	4.4	4.4	4.6					
G141.0	4.6	4.7	4.4	4.4	4.6					
G142.0	4.7	4.7	4.5	4.4	4.7					
G143.0	4.7	4.8	4.5	4.5	4.7					
G144.0	4.7	4.8	4.5	4.6	4.7					
G145.0	4.8	4.8	4.6	4.6	4.8					
G146.0	4.8	5.0	4.7	4.7	4.8					
G147.0	4.8	5.0	4.7	4.7	4.8					

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.684 m [K=1.0000]
 Humidity: 65
 Inspector:

Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G148.0	4.9	5.0	4.8	4.8	4.9					
G149.0	5.0	5.0	4.8	4.8	5.0					
G150.0	5.0	5.1	4.9	4.9	5.0					
G151.0	5.1	5.2	4.9	4.9	5.1					
G152.0	5.1	5.2	5.0	5.0	5.1					
G153.0	5.2	5.2	5.0	5.0	5.2					
G154.0	5.2	5.2	5.1	5.1	5.2					
G155.0	5.3	5.3	5.1	5.2	5.3					
G156.0	5.3	5.3	5.2	5.2	5.3					
G157.0	5.3	5.3	5.3	5.3	5.3					
G158.0	5.4	5.4	5.3	5.4	5.4					
G159.0	5.4	5.4	5.4	5.4	5.4					
G160.0	5.5	5.5	5.4	5.4	5.5					
G161.0	5.5	5.5	5.5	5.5	5.5					
G162.0	5.6	5.6	5.5	5.5	5.6					
G163.0	5.6	5.6	5.6	5.6	5.6					
G164.0	5.6	5.7	5.7	5.6	5.6					
G165.0	5.7	5.7	5.8	5.7	5.7					
G166.0	5.7	5.8	5.8	5.7	5.7					
G167.0	5.8	5.8	5.8	5.8	5.8					
G168.0	5.8	5.9	5.9	5.8	5.8					
G169.0	5.9	5.9	5.9	5.9	5.9					
G170.0	6.0	6.0	6.0	6.0	6.0					
G171.0	6.0	6.0	6.0	6.0	6.0					
G172.0	6.1	6.1	6.1	6.0	6.1					
G173.0	6.2	6.2	6.1	6.1	6.2					
G174.0	6.2	6.3	6.2	6.1	6.2					
G175.0	6.3	6.4	6.2	6.2	6.3					
G176.0	6.4	6.5	6.2	6.2	6.4					
G177.0	6.4	6.5	6.3	6.3	6.4					
G178.0	6.5	6.5	6.4	6.4	6.5					
G179.0	6.4	6.5	6.4	6.5	6.4					
G180.0	6.5	6.5	6.5	6.6	6.5					

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.684 m [K=1.0000]
 Humidity: 65
 Inspector: