

Report No.:

Test Time: 2026-01-06 19:12

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: T-SUBFOT-50W-A

Lamp Catalog:

Number of Lamps:

Luminous Length (mm):

Luminous Height (mm):

Current: 0.2160 A

Power Factor: 0.9840

Luminaire Description:

Lamp Description:

Lumens per Lamp:

Luminous Width (mm):

Voltage: 229.19 V

Power: 48.80 W

Photometric Results

CIE Class: Direct

Measurement Flux: 5660.3 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(50%): H137.1

Vertical Diffuse Angle(50%): V72

Luminous Efficacy (lm/w): 115.99

Max. Intensity: 2659.63 cd

S/MH(C0/C180): 1.60

Total Rated Lamp Lumens: 5660.3 lm

Efficiency: 100%

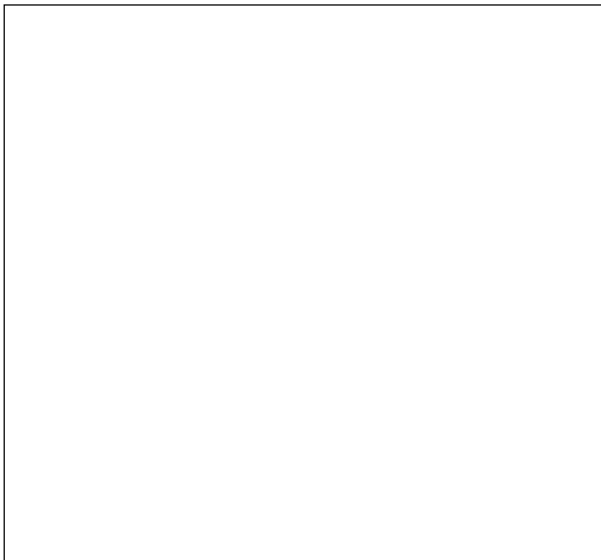
Upward Ratio: 1%

C0r0 Intensity: 2237.51 cd

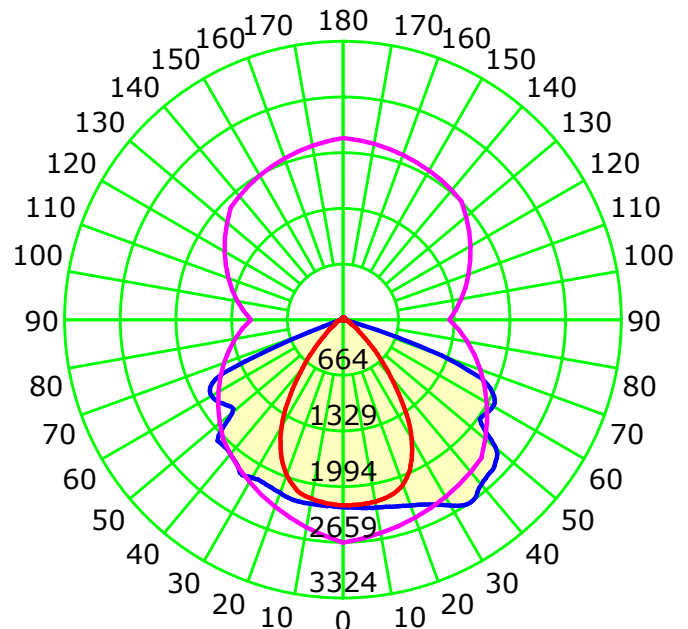
Pos of Max. Intensity: H0 V35

S/MH(C90/C270): 1.09

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 104.2°

— C0-C180 — C90-C270 — G35

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

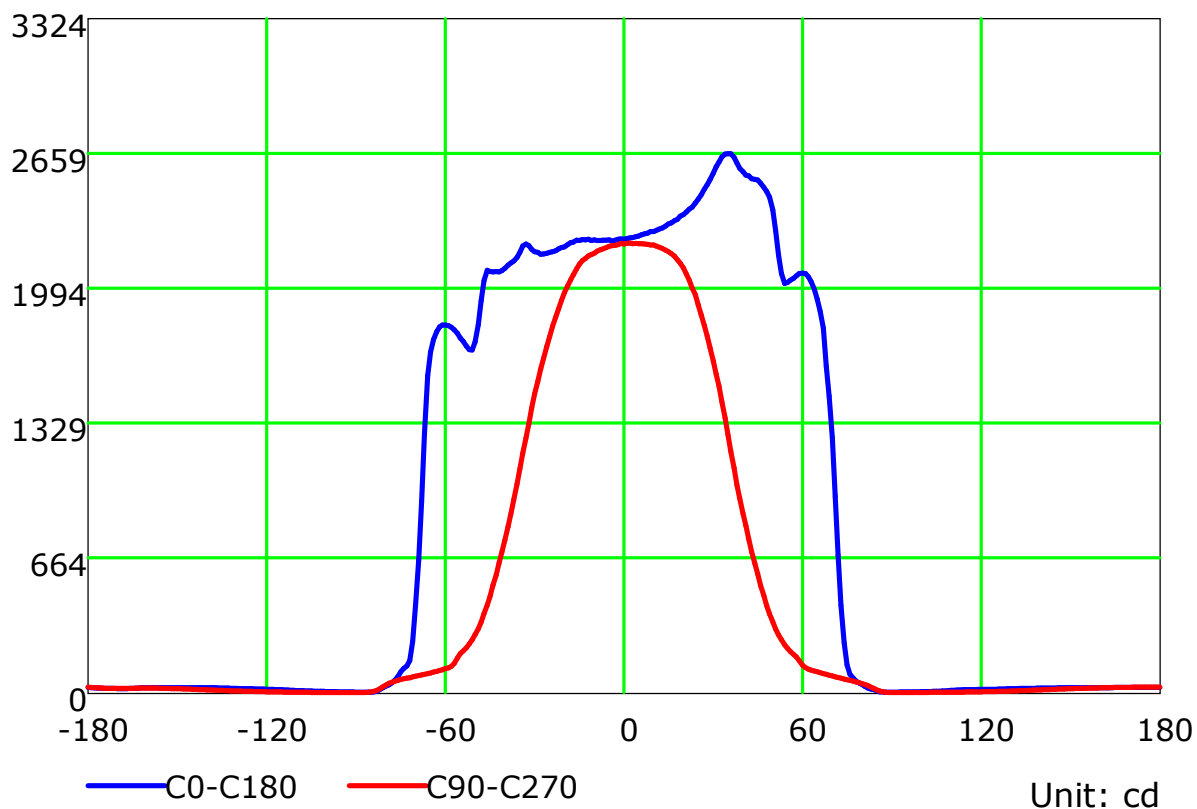
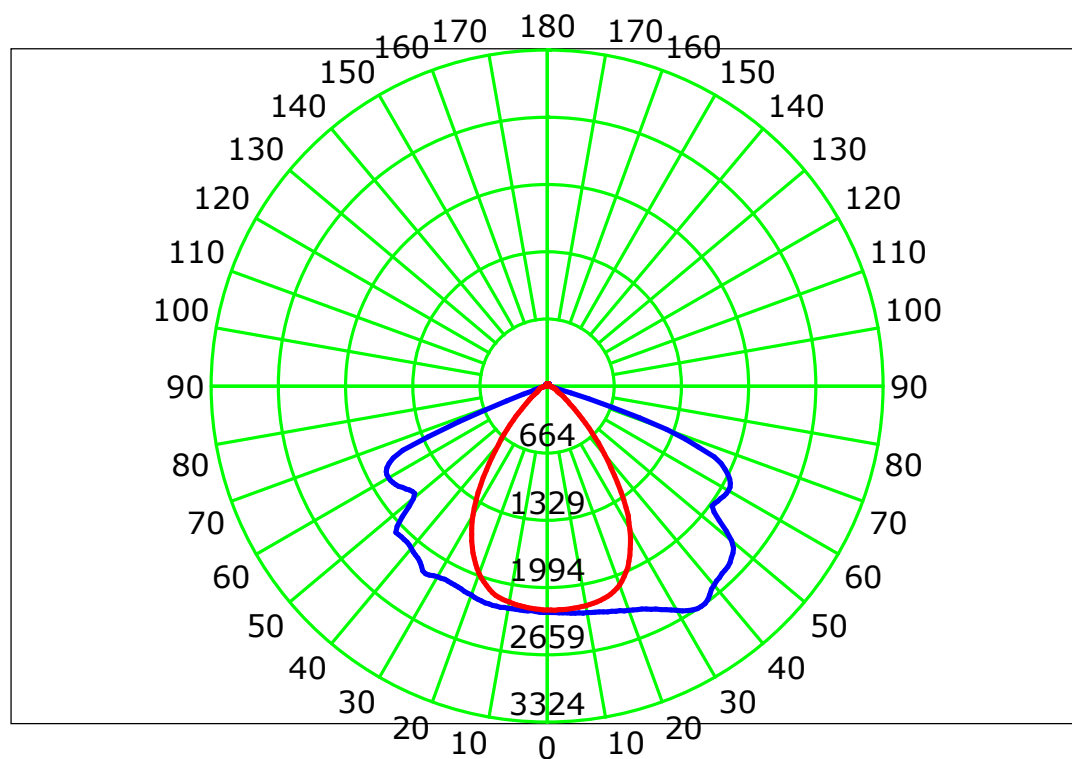
Test Device: GPM-1600L

Distance: 9.903 m [K=1.0000]

Humidity:

Inspector:

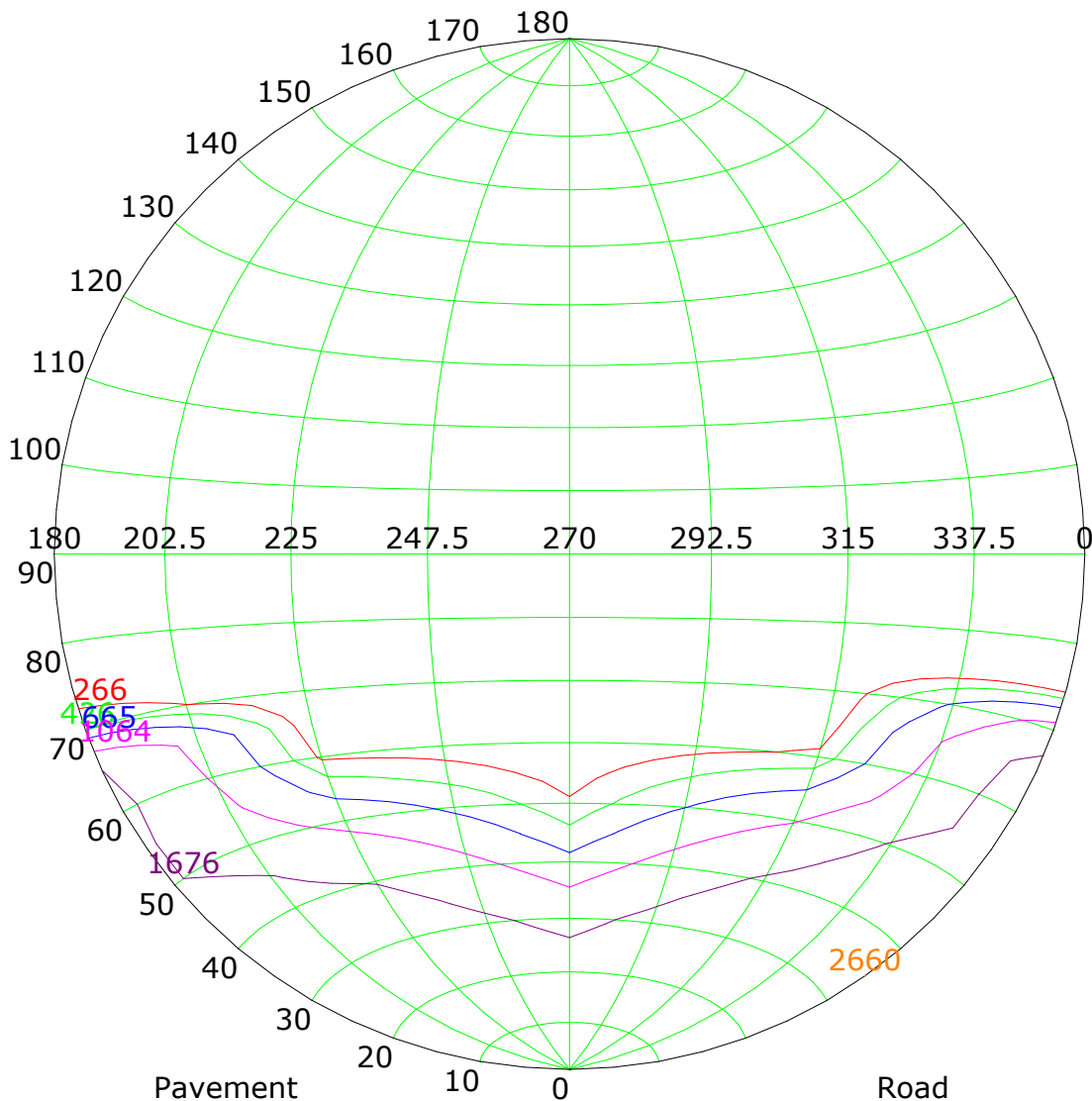
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.903 m [K=1.0000]
Humidity:
Inspector:

Isocandela (sphere)



Imax (100%): 2660 cd

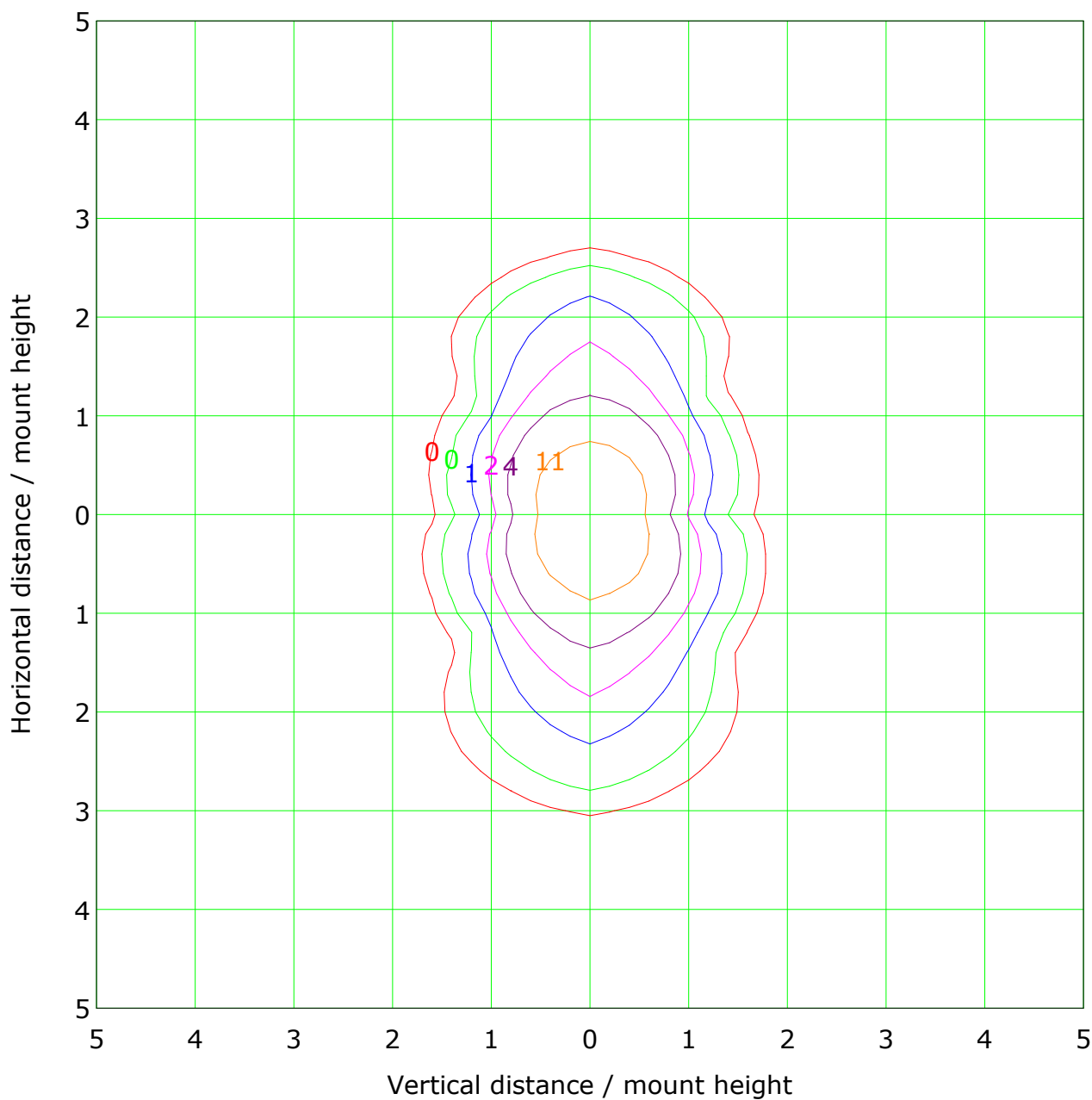
(10%): 266 cd
(25%): 665 cd
(63%): 1676 cd

(16%): 426 cd
(40%): 1064 cd
(100%): 2660 cd

CIE: narrow - short
CIE: Full-cut-off luminaire
Max.At90: 0.553 cd/klm

IES: Cut-off
Max.At80: 7.920 cd/klm
Max.80-90: 7.920 cd/klm

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 22.4 lx

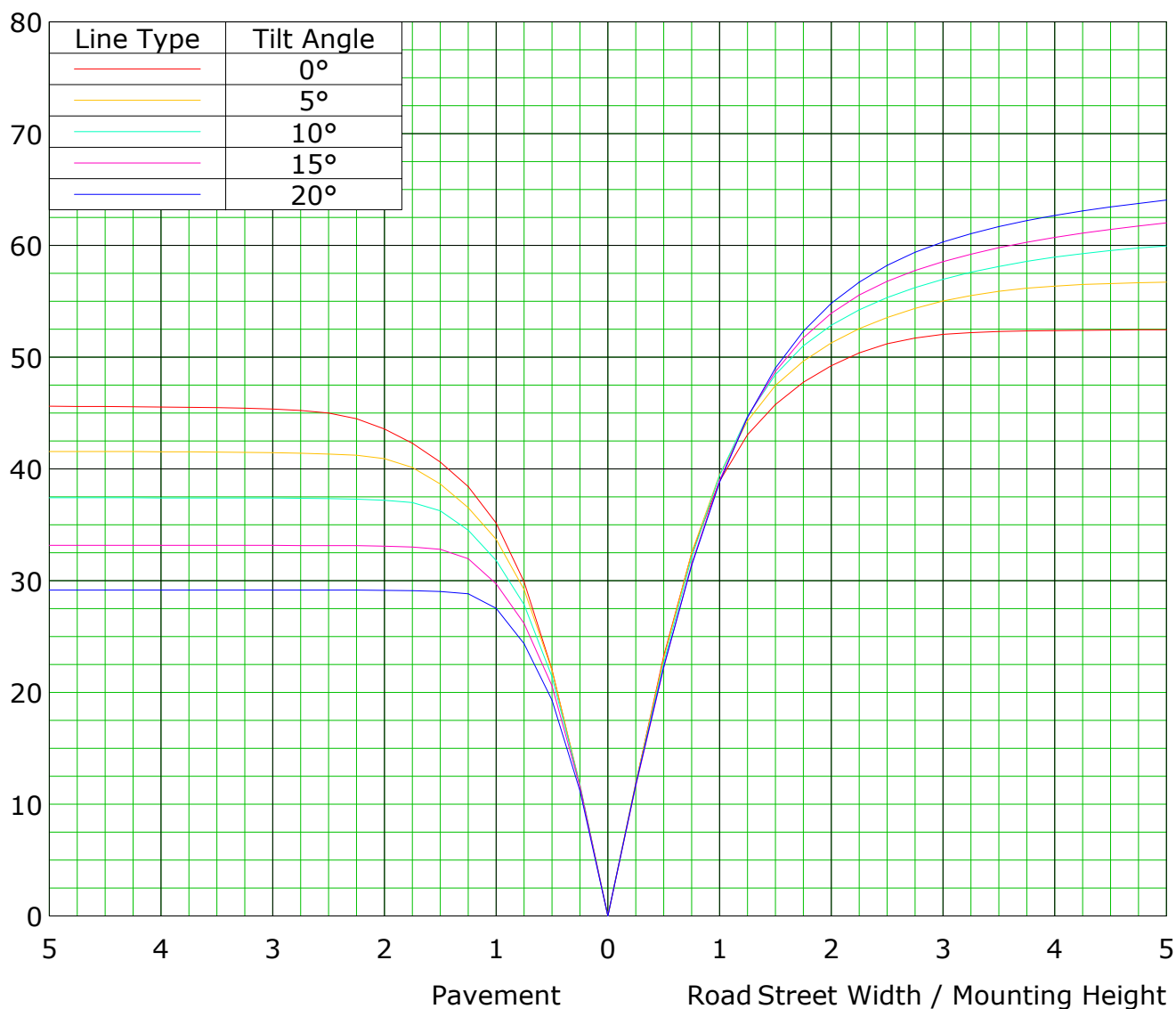
(1%): 0.2 lx	(2%): 0.4 lx
(5%): 1.1 lx	(10%): 2.2 lx
(20%): 4.5 lx	(50%): 11.2 lx
(100%): 22.4 lx	

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.903 m [K=1.0000]
Humidity:
Inspector:

Roadway CU Curve

Efficiency(%)



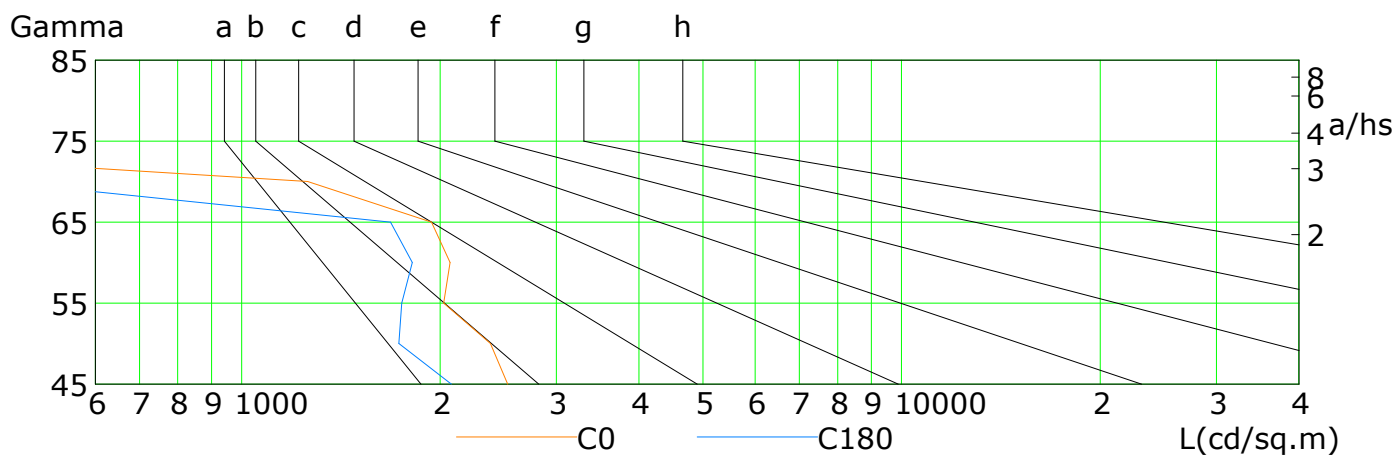
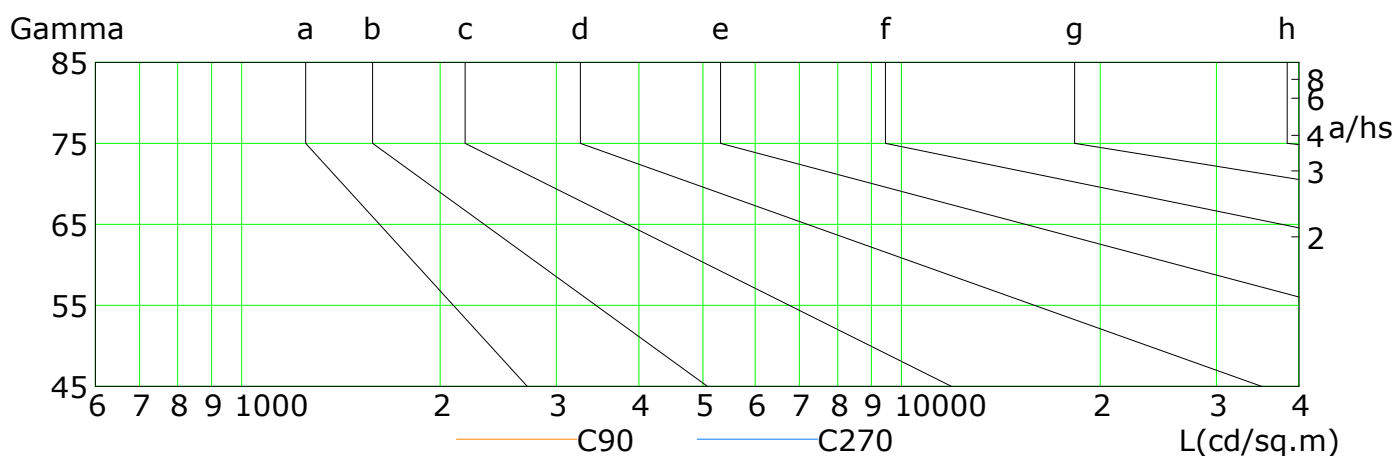
C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.903 m [K=1.0000]
Humidity:
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

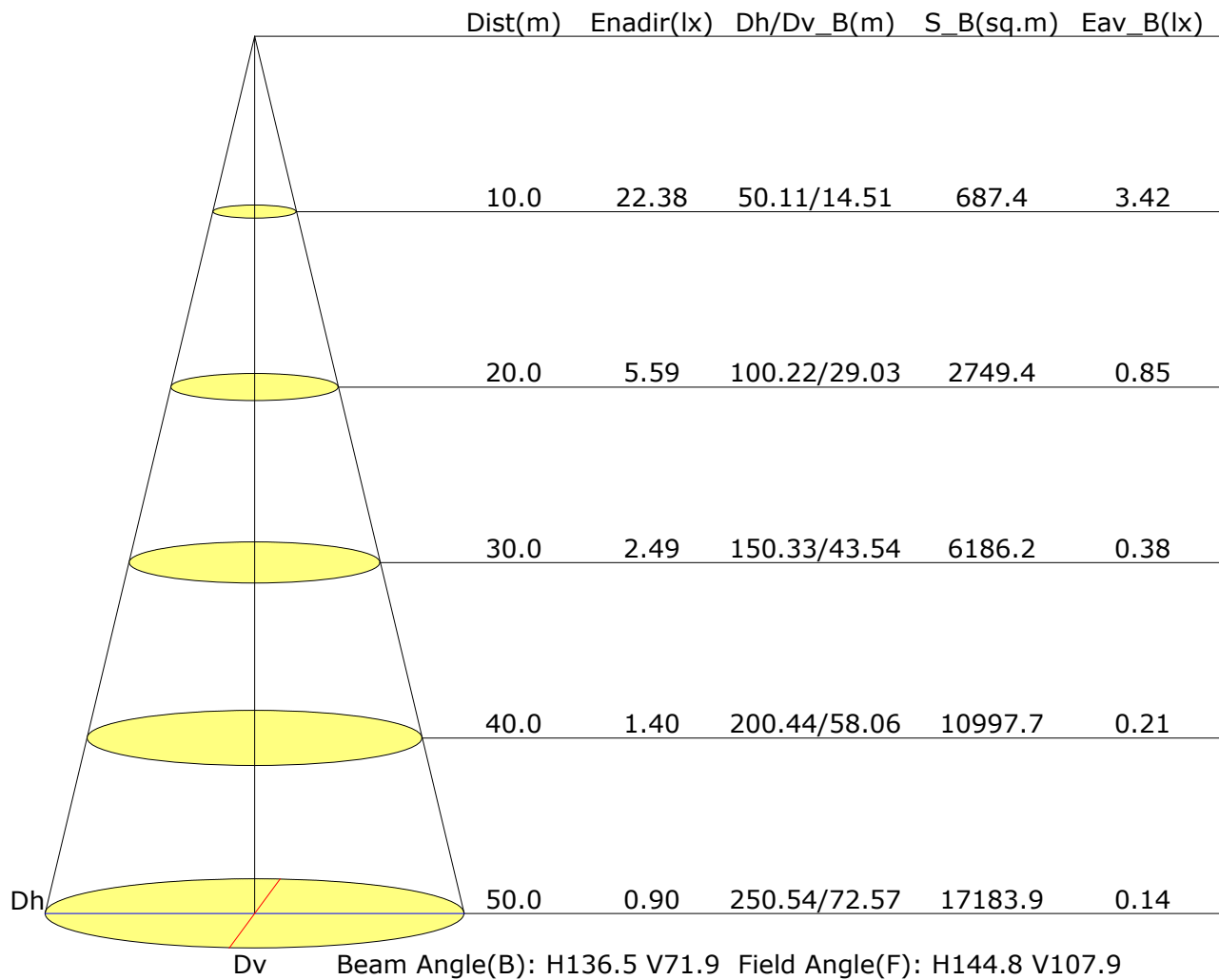


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	2529	2382	2024	2070	1941	1259	136	40	10
C90	585	349	219	135	103	82	64	45	14
C180	2078	1730	1749	1814	1681	430	104	33	3
C270	476	287	193	119	98	81	65	37	3

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.903 m [K=1.0000]
Humidity:
Inspector:

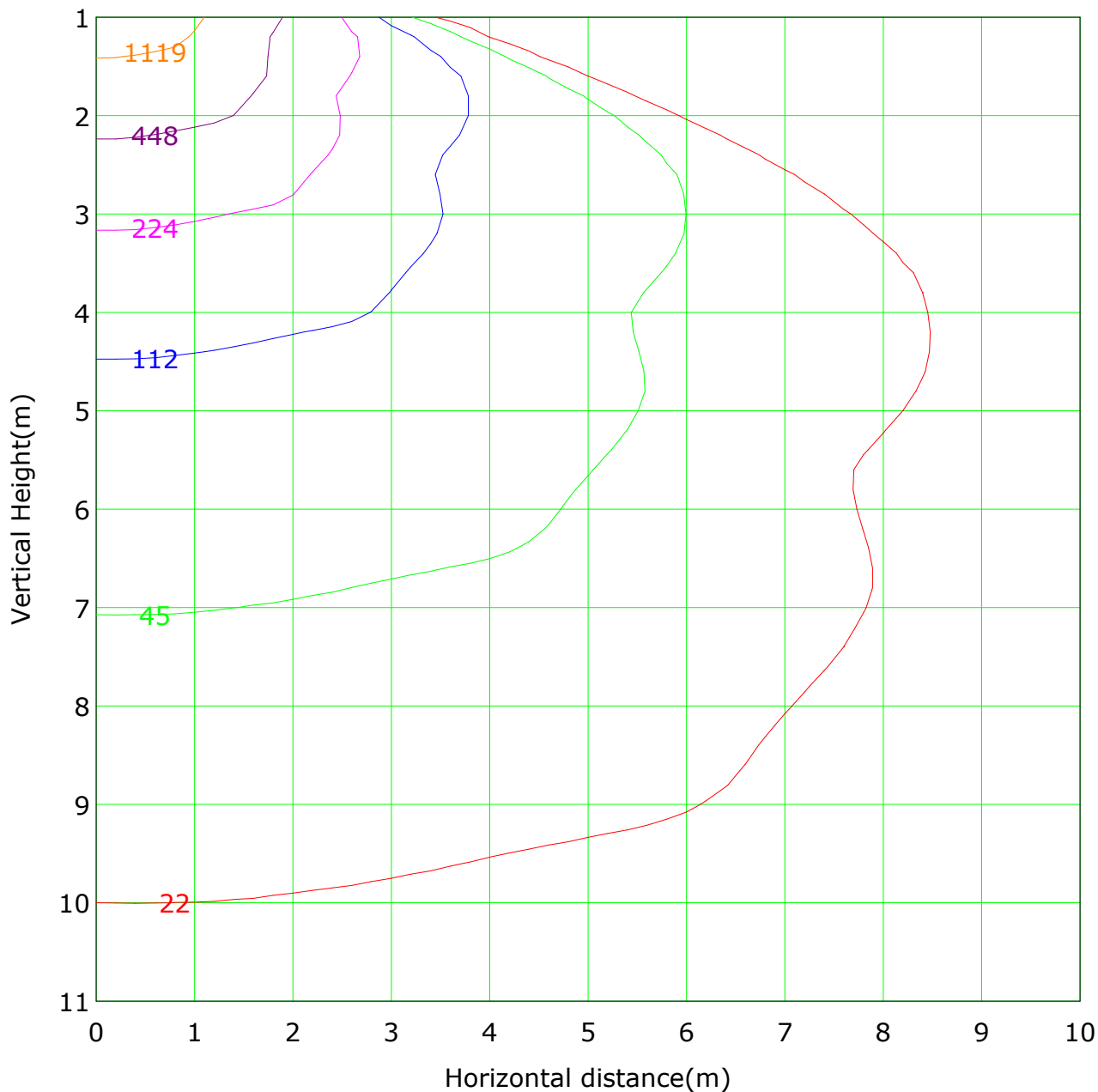
Illuminance at a Distance



C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.903 m [K=1.0000]
Humidity:
Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 2237.5 lx

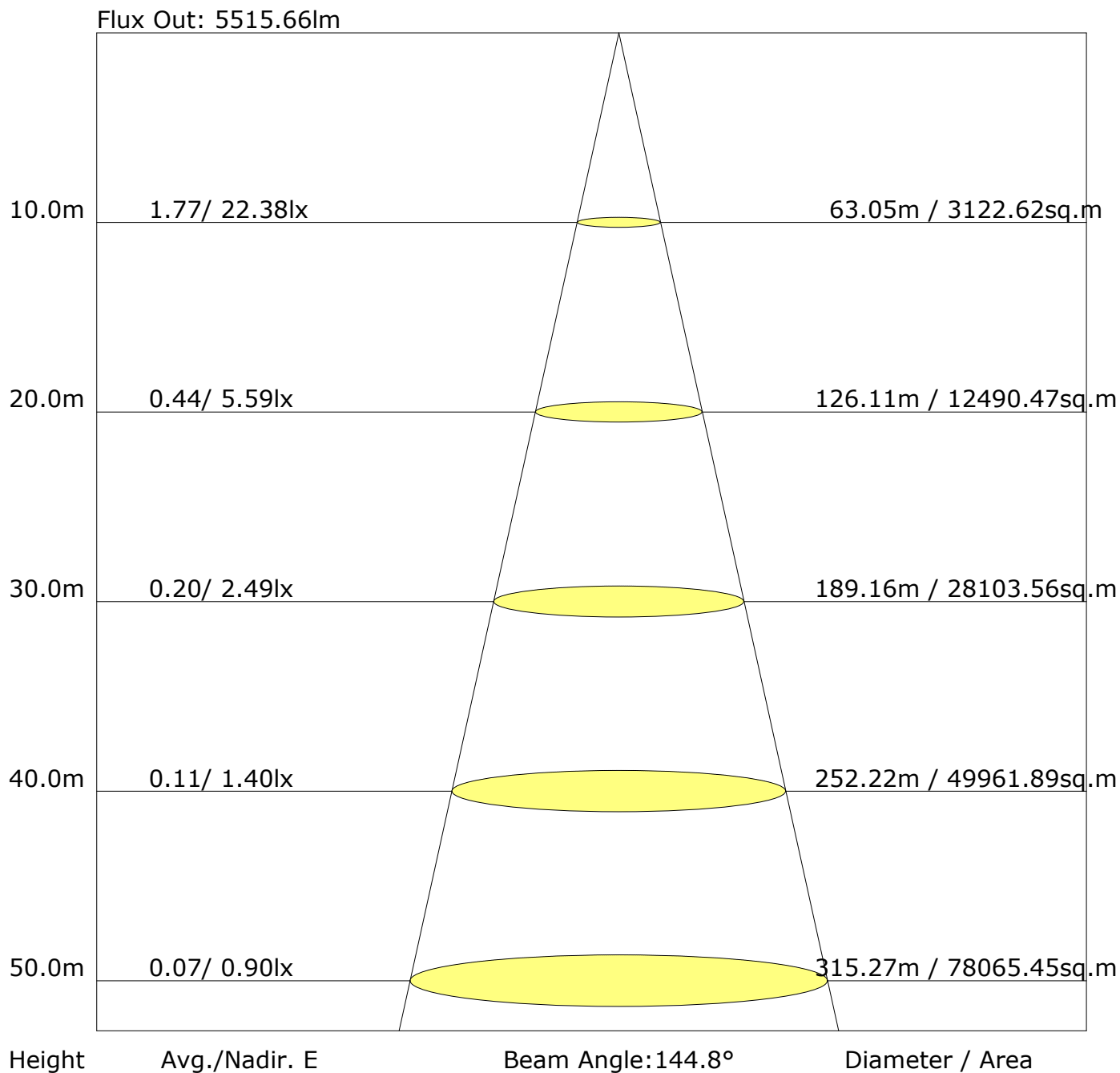
— (1%): 22.4 lx	— (2%): 44.8 lx
— (5%): 111.9 lx	— (10%): 223.8 lx
— (20%): 447.5 lx	— (50%): 1118.8 lx
— (100%): 2237.5 lx	

C Plane (°): 0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1600L
Distance: 9.903 m [K=1.0000]
Humidity:
Inspector:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.903 m [K=1.0000]
Humidity:
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	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
3H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=4H Y=2H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
3H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=8H Y=4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=12H Y=4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
Variations with the observer position at spacings:										
S=1.0H	-1.\$/-1.\$					-1.\$/-1.\$				
S=1.5H	-1.\$/-1.\$					-1.\$/-1.\$				
S=2.0H	-1.\$/-1.\$					-1.\$/-1.\$				

Calculate in accordance with CIE Pub.117. The table is revised with 5660lm ($8\log(F/F_0) = 6.0$).

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	2221.6	2.1	2.1	0.04	0.04
1.0-2.0	2222.5	6.4	8.5	0.11	0.15
2.0-3.0	2221.1	10.6	19.1	0.19	0.34
3.0-4.0	2219.9	14.9	34.0	0.26	0.60
4.0-5.0	2220.0	19.1	53.1	0.34	0.94
5.0-6.0	2220.3	23.3	76.4	0.41	1.35
6.0-7.0	2219.6	27.6	104.0	0.49	1.84
7.0-8.0	2218.7	31.8	135.7	0.56	2.40
8.0-9.0	2219.1	36.0	171.7	0.64	3.03
9.0-10.0	2218.8	40.2	211.9	0.71	3.74
10.0-11.0	2218.1	44.3	256.2	0.78	4.53
11.0-12.0	2218.5	48.5	304.7	0.86	5.38
12.0-13.0	2218.7	52.7	357.4	0.93	6.31
13.0-14.0	2219.4	56.8	414.2	1.00	7.32
14.0-15.0	2219.2	60.9	475.1	1.08	8.39
15.0-16.0	2218.4	65.0	540.1	1.15	9.54
16.0-17.0	2217.1	69.1	609.2	1.22	10.76
17.0-18.0	2214.2	73.0	682.2	1.29	12.05
18.0-19.0	2211.9	77.0	759.1	1.36	13.41
19.0-20.0	2208.2	80.8	840.0	1.43	14.84
20.0-21.0	2202.6	84.6	924.6	1.49	16.33
21.0-22.0	2196.5	88.3	1012.8	1.56	17.89
22.0-23.0	2188.6	91.8	1104.7	1.62	19.52
23.0-24.0	2179.2	95.3	1200.0	1.68	21.20
24.0-25.0	2168.7	98.6	1298.6	1.74	22.94
25.0-26.0	2156.7	101.8	1400.4	1.80	24.74
26.0-27.0	2142.8	104.8	1505.3	1.85	26.59
27.0-28.0	2127.4	107.7	1613.0	1.90	28.50
28.0-29.0	2111.3	110.5	1723.5	1.95	30.45
29.0-30.0	2093.4	113.0	1836.5	2.00	32.45
30.0-31.0	2073.2	115.4	1951.9	2.04	34.48
31.0-32.0	2050.9	117.5	2069.4	2.08	36.56
32.0-33.0	2025.0	119.3	2188.7	2.11	38.67
33.0-34.0	1993.7	120.7	2309.4	2.13	40.80
34.0-35.0	1955.2	121.4	2430.8	2.15	42.95
35.0-36.0	1912.4	121.8	2552.6	2.15	45.10

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.903 m [K=1.0000]
Humidity:
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	1867.7	121.8	2674.4	2.15	47.25
37.0-38.0	1820.0	121.5	2795.9	2.15	49.40
38.0-39.0	1772.1	121.0	2916.9	2.14	51.53
39.0-40.0	1722.6	120.2	3037.1	2.12	53.66
40.0-41.0	1672.4	119.1	3156.2	2.10	55.76
41.0-42.0	1624.4	118.0	3274.2	2.09	57.85
42.0-43.0	1574.4	116.6	3390.9	2.06	59.91
43.0-44.0	1524.4	115.1	3505.9	2.03	61.94
44.0-45.0	1475.2	113.4	3619.3	2.00	63.94
45.0-46.0	1424.6	111.4	3730.7	1.97	65.91
46.0-47.0	1370.1	109.0	3839.7	1.93	67.84
47.0-48.0	1307.1	105.7	3945.4	1.87	69.70
48.0-49.0	1240.1	101.8	4047.2	1.80	71.50
49.0-50.0	1174.7	98.0	4145.2	1.73	73.23
50.0-51.0	1109.2	93.9	4239.1	1.66	74.89
51.0-52.0	1046.5	89.8	4328.9	1.59	76.48
52.0-53.0	990.2	86.2	4415.0	1.52	78.00
53.0-54.0	939.5	82.8	4497.8	1.46	79.46
54.0-55.0	895.6	80.0	4577.8	1.41	80.88
55.0-56.0	852.2	77.0	4654.8	1.36	82.24
56.0-57.0	810.0	74.1	4728.9	1.31	83.54
57.0-58.0	773.5	71.5	4800.4	1.26	84.81
58.0-59.0	735.8	68.8	4869.2	1.22	86.02
59.0-60.0	697.7	65.9	4935.1	1.16	87.19
60.0-61.0	665.8	63.5	4998.7	1.12	88.31
61.0-62.0	641.4	61.8	5060.5	1.09	89.40
62.0-63.0	620.9	60.4	5120.9	1.07	90.47
63.0-64.0	600.2	58.9	5179.8	1.04	91.51
64.0-65.0	577.4	57.2	5237.0	1.01	92.52
65.0-66.0	550.5	54.9	5291.9	0.97	93.49
66.0-67.0	508.9	51.2	5343.1	0.90	94.40
67.0-68.0	446.3	45.2	5388.3	0.80	95.19
68.0-69.0	380.2	38.8	5427.1	0.69	95.88
69.0-70.0	320.5	32.9	5460.0	0.58	96.46
70.0-71.0	259.2	26.8	5486.8	0.47	96.93
71.0-72.0	201.0	20.9	5507.7	0.37	97.30

C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 9.903 m [K=1.0000]
 Humidity:
 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	154.9	16.2	5523.9	0.29	97.59
73.0-74.0	120.0	12.6	5536.5	0.22	97.81
74.0-75.0	94.3	10.0	5546.5	0.18	97.99
75.0-76.0	76.8	8.2	5554.6	0.14	98.13
76.0-77.0	64.9	6.9	5561.6	0.12	98.26
77.0-78.0	55.9	6.0	5567.5	0.11	98.36
78.0-79.0	48.2	5.2	5572.7	0.09	98.45
79.0-80.0	41.2	4.4	5577.2	0.08	98.53
80.0-81.0	34.4	3.7	5580.9	0.07	98.60
81.0-82.0	27.7	3.0	5583.9	0.05	98.65
82.0-83.0	21.1	2.3	5586.2	0.04	98.69
83.0-84.0	15.1	1.6	5587.8	0.03	98.72
84.0-85.0	10.4	1.1	5588.9	0.02	98.74
85.0-86.0	6.7	0.7	5589.7	0.01	98.75
86.0-87.0	4.0	0.4	5590.1	0.01	98.76
87.0-88.0	2.5	0.3	5590.4	0.00	98.76
88.0-89.0	1.8	0.2	5590.6	0.00	98.77
89.0-90.0	1.7	0.2	5590.8	0.00	98.77
90.0-91.0	1.6	0.2	5590.9	0.00	98.77
91.0-92.0	1.7	0.2	5591.1	0.00	98.78
92.0-93.0	1.8	0.2	5591.3	0.00	98.78
93.0-94.0	1.9	0.2	5591.5	0.00	98.78
94.0-95.0	2.0	0.2	5591.7	0.00	98.79
95.0-96.0	2.2	0.2	5592.0	0.00	98.79
96.0-97.0	2.4	0.3	5592.3	0.00	98.80
97.0-98.0	2.6	0.3	5592.5	0.00	98.80
98.0-99.0	2.8	0.3	5592.8	0.01	98.81
99.0-100.0	3.0	0.3	5593.1	0.01	98.81
100.0-101.0	3.2	0.3	5593.5	0.01	98.82
101.0-102.0	3.4	0.4	5593.9	0.01	98.83
102.0-103.0	3.6	0.4	5594.2	0.01	98.83
103.0-104.0	3.8	0.4	5594.6	0.01	98.84
104.0-105.0	4.1	0.4	5595.1	0.01	98.85
105.0-106.0	4.4	0.5	5595.5	0.01	98.86
106.0-107.0	4.7	0.5	5596.0	0.01	98.86
107.0-108.0	5.1	0.5	5596.6	0.01	98.87

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.903 m [K=1.0000]
Humidity:
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	5.5	0.6	5597.1	0.01	98.88
109.0-110.0	5.9	0.6	5597.7	0.01	98.89
110.0-111.0	6.3	0.6	5598.4	0.01	98.91
111.0-112.0	6.7	0.7	5599.1	0.01	98.92
112.0-113.0	7.2	0.7	5599.8	0.01	98.93
113.0-114.0	7.6	0.8	5600.6	0.01	98.94
114.0-115.0	8.0	0.8	5601.4	0.01	98.96
115.0-116.0	8.4	0.8	5602.2	0.01	98.97
116.0-117.0	8.7	0.9	5603.0	0.02	98.99
117.0-118.0	9.1	0.9	5603.9	0.02	99.00
118.0-119.0	9.5	0.9	5604.8	0.02	99.02
119.0-120.0	9.8	0.9	5605.8	0.02	99.04
120.0-121.0	10.2	1.0	5606.7	0.02	99.05
121.0-122.0	10.5	1.0	5607.7	0.02	99.07
122.0-123.0	10.9	1.0	5608.7	0.02	99.09
123.0-124.0	11.2	1.0	5609.8	0.02	99.11
124.0-125.0	11.6	1.0	5610.8	0.02	99.13
125.0-126.0	11.9	1.1	5611.9	0.02	99.14
126.0-127.0	12.2	1.1	5612.9	0.02	99.16
127.0-128.0	12.6	1.1	5614.0	0.02	99.18
128.0-129.0	13.0	1.1	5615.2	0.02	99.20
129.0-130.0	13.5	1.1	5616.3	0.02	99.22
130.0-131.0	13.9	1.2	5617.5	0.02	99.24
131.0-132.0	14.3	1.2	5618.6	0.02	99.26
132.0-133.0	14.8	1.2	5619.8	0.02	99.28
133.0-134.0	15.2	1.2	5621.0	0.02	99.31
134.0-135.0	15.6	1.2	5622.3	0.02	99.33
135.0-136.0	16.0	1.2	5623.5	0.02	99.35
136.0-137.0	16.4	1.2	5624.7	0.02	99.37
137.0-138.0	16.8	1.2	5626.0	0.02	99.39
138.0-139.0	17.2	1.2	5627.2	0.02	99.42
139.0-140.0	17.6	1.3	5628.5	0.02	99.44
140.0-141.0	18.0	1.3	5629.7	0.02	99.46
141.0-142.0	18.4	1.3	5631.0	0.02	99.48
142.0-143.0	18.8	1.3	5632.2	0.02	99.50
143.0-144.0	19.1	1.2	5633.5	0.02	99.53

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.903 m [K=1.0000]
Humidity:
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	19.5	1.2	5634.7	0.02	99.55
145.0-146.0	19.9	1.2	5636.0	0.02	99.57
146.0-147.0	20.2	1.2	5637.2	0.02	99.59
147.0-148.0	20.6	1.2	5638.4	0.02	99.61
148.0-149.0	20.9	1.2	5639.6	0.02	99.63
149.0-150.0	21.2	1.2	5640.8	0.02	99.65
150.0-151.0	21.5	1.2	5641.9	0.02	99.68
151.0-152.0	21.8	1.1	5643.1	0.02	99.70
152.0-153.0	22.0	1.1	5644.2	0.02	99.72
153.0-154.0	22.3	1.1	5645.3	0.02	99.73
154.0-155.0	22.6	1.1	5646.4	0.02	99.75
155.0-156.0	22.8	1.0	5647.4	0.02	99.77
156.0-157.0	23.1	1.0	5648.4	0.02	99.79
157.0-158.0	23.3	1.0	5649.4	0.02	99.81
158.0-159.0	23.5	0.9	5650.3	0.02	99.82
159.0-160.0	23.7	0.9	5651.2	0.02	99.84
160.0-161.0	23.8	0.9	5652.1	0.02	99.85
161.0-162.0	23.9	0.8	5652.9	0.01	99.87
162.0-163.0	23.9	0.8	5653.7	0.01	99.88
163.0-164.0	23.9	0.7	5654.5	0.01	99.90
164.0-165.0	23.8	0.7	5655.2	0.01	99.91
165.0-166.0	23.8	0.7	5655.8	0.01	99.92
166.0-167.0	23.8	0.6	5656.4	0.01	99.93
167.0-168.0	23.8	0.6	5657.0	0.01	99.94
168.0-169.0	23.9	0.5	5657.5	0.01	99.95
169.0-170.0	24.0	0.5	5658.0	0.01	99.96
170.0-171.0	24.1	0.4	5658.4	0.01	99.97
171.0-172.0	24.0	0.4	5658.8	0.01	99.97
172.0-173.0	24.0	0.3	5659.2	0.01	99.98
173.0-174.0	24.1	0.3	5659.5	0.01	99.98
174.0-175.0	24.4	0.3	5659.7	0.00	99.99
175.0-176.0	24.7	0.2	5659.9	0.00	99.99
176.0-177.0	25.0	0.2	5660.1	0.00	100.00
177.0-178.0	25.3	0.1	5660.2	0.00	100.00
178.0-179.0	25.6	0.1	5660.3	0.00	100.00
179.0-180.0	25.9	0.0	5660.3	0.00	100.00

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.903 m [K=1.0000]
Humidity:
Inspector:

Zonal Lumen (Continue 5)

cone flux(90°): 3619.31 lm

%lum = 63.9%
%lamp = 63.9%

cone flux(120°): 4935.15 lm

%lum = 87.2%
%lamp = 87.2%

Candlepower Table

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G0.0	2237.5	2219.4	2213.8	2210.9	2237.5	2219.4	2213.8	2210.9	2237.5	
G1.0	2240.3	2228.3	2216.4	2207.6	2239.5	2223.1	2216.0	2212.1	2240.3	
G2.0	2242.9	2227.3	2217.8	2210.1	2236.8	2220.5	2210.7	2210.7	2242.9	
G3.0	2245.0	2231.0	2215.4	2205.3	2232.1	2213.8	2207.2	2210.8	2245.0	
G4.0	2249.6	2233.1	2216.1	2202.9	2227.2	2214.5	2205.3	2208.8	2249.6	
G5.0	2253.3	2235.8	2215.7	2198.2	2233.8	2211.1	2202.4	2212.1	2253.3	
G6.0	2259.8	2237.9	2215.1	2197.1	2232.8	2211.9	2196.7	2211.7	2259.8	
G7.0	2264.3	2241.8	2213.7	2194.7	2232.5	2203.0	2190.0	2211.2	2264.3	
G8.0	2266.9	2245.9	2211.5	2193.2	2231.5	2204.8	2185.5	2209.1	2266.9	
G9.0	2275.3	2249.7	2208.2	2196.5	2230.5	2203.4	2179.4	2213.7	2275.3	
G10.0	2274.6	2252.8	2208.5	2191.8	2234.4	2202.5	2167.8	2212.5	2274.6	
G11.0	2281.8	2257.1	2202.4	2195.8	2231.1	2202.1	2161.8	2213.1	2281.8	
G12.0	2287.1	2260.9	2197.6	2196.3	2237.1	2202.9	2154.7	2214.3	2287.1	
G13.0	2293.1	2268.0	2191.4	2197.1	2234.7	2205.8	2141.7	2216.5	2293.1	
G14.0	2302.5	2272.9	2183.9	2198.2	2235.3	2212.2	2130.9	2225.4	2302.5	
G15.0	2312.3	2274.7	2175.3	2200.4	2231.2	2212.6	2113.5	2225.2	2312.3	
G16.0	2318.5	2286.7	2166.1	2203.6	2231.7	2218.7	2089.5	2234.3	2318.5	
G17.0	2328.7	2292.8	2153.5	2205.8	2222.4	2223.5	2061.2	2236.6	2328.7	
G18.0	2334.8	2299.5	2136.8	2213.2	2220.5	2222.0	2035.1	2240.6	2334.8	
G19.0	2351.4	2311.3	2118.7	2220.3	2210.8	2221.2	2006.3	2247.1	2351.4	
G20.0	2359.0	2321.8	2094.6	2224.5	2198.8	2220.6	1974.1	2251.1	2359.0	
G21.0	2371.0	2330.4	2065.7	2228.8	2195.6	2213.0	1936.0	2257.1	2371.0	
G22.0	2385.6	2345.7	2034.6	2230.0	2190.1	2207.1	1895.1	2258.4	2385.6	
G23.0	2395.7	2358.6	1997.8	2231.4	2180.1	2195.9	1853.7	2257.6	2395.7	
G24.0	2414.9	2366.9	1964.2	2226.7	2176.3	2183.2	1808.0	2255.6	2414.9	
G25.0	2435.1	2381.5	1913.5	2223.5	2171.8	2169.1	1757.7	2251.4	2435.1	
G26.0	2455.3	2390.6	1866.7	2213.3	2167.7	2152.6	1707.7	2249.5	2455.3	
G27.0	2482.9	2393.7	1811.7	2203.6	2164.6	2135.1	1649.5	2239.7	2482.9	
G28.0	2505.3	2397.5	1759.4	2185.6	2163.7	2116.2	1597.1	2232.3	2505.3	
G29.0	2531.6	2401.0	1701.5	2172.6	2172.7	2091.7	1536.4	2216.2	2531.6	
G30.0	2562.8	2403.3	1636.7	2148.0	2175.4	2070.7	1474.7	2198.6	2562.8	
G31.0	2594.4	2395.7	1573.0	2126.2	2187.0	2043.8	1406.4	2173.6	2594.4	
G32.0	2618.2	2391.7	1512.0	2104.1	2205.0	2011.3	1326.9	2144.4	2618.2	
G33.0	2642.4	2376.0	1434.4	2073.5	2213.2	1979.8	1256.4	2110.9	2642.4	
G34.0	2657.0	2360.5	1356.2	2041.0	2204.6	1941.4	1181.6	2070.7	2657.0	
G35.0	2659.6	2337.4	1272.2	2001.4	2172.9	1898.6	1104.1	2024.5	2659.6	
G36.0	2658.6	2305.2	1188.2	1964.2	2146.5	1854.6	1028.2	1982.1	2658.6	

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.903 m [K=1.0000]
Humidity:
Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G37.0	2642.1	2269.1	1108.9	1919.9	2130.1	1808.4	953.3	1923.9	2642.1	
G38.0	2613.0	2220.1	1024.8	1871.3	2120.6	1757.5	883.1	1873.1	2613.0	
G39.0	2585.7	2174.2	956.8	1819.6	2109.4	1708.5	819.3	1816.3	2585.7	
G40.0	2570.9	2116.0	883.0	1757.5	2093.6	1649.3	752.5	1749.2	2570.9	
G41.0	2553.7	2066.1	823.2	1695.6	2082.0	1587.7	695.3	1682.7	2553.7	
G42.0	2549.2	2010.8	757.8	1630.8	2075.4	1524.9	640.0	1615.2	2549.2	
G43.0	2535.4	1947.3	694.0	1554.9	2077.1	1453.6	579.9	1544.6	2535.4	
G44.0	2531.9	1881.7	637.3	1484.3	2076.7	1384.7	531.3	1475.2	2531.9	
G45.0	2529.2	1817.5	584.5	1402.9	2078.0	1309.6	475.7	1402.7	2529.2	
G46.0	2514.1	1737.3	528.0	1317.7	2084.2	1242.7	431.7	1337.6	2514.1	
G47.0	2492.2	1663.6	478.9	1239.7	2033.5	1165.8	390.2	1264.1	2492.2	
G48.0	2473.0	1575.3	428.7	1157.3	1934.1	1085.5	348.2	1184.2	2473.0	
G49.0	2444.0	1494.7	388.2	1082.8	1815.0	1006.7	314.8	1108.5	2444.0	
G50.0	2382.2	1415.0	349.1	1006.2	1730.1	933.3	287.3	1036.5	2382.2	
G51.0	2278.5	1329.9	313.7	926.3	1690.0	853.3	262.0	954.2	2278.5	
G52.0	2157.9	1245.3	285.0	852.5	1692.9	778.0	241.0	883.3	2157.9	
G53.0	2067.7	1165.4	262.1	776.1	1709.1	701.5	222.2	803.9	2067.7	
G54.0	2018.9	1071.7	235.9	699.1	1732.7	630.2	206.5	729.4	2018.9	
G55.0	2023.6	990.0	219.4	627.7	1749.1	545.9	192.9	657.3	2023.6	
G56.0	2035.6	889.6	203.2	553.7	1773.2	419.8	171.1	583.4	2035.6	
G57.0	2044.8	809.3	189.1	491.4	1789.7	344.5	145.1	516.3	2044.8	
G58.0	2057.3	721.4	176.5	413.4	1802.7	299.4	129.6	445.1	2057.3	
G59.0	2068.3	611.8	157.0	323.6	1810.4	265.5	123.0	368.7	2068.3	
G60.0	2070.3	489.6	135.3	272.0	1813.8	237.6	118.8	297.4	2070.3	
G61.0	2068.0	393.4	123.2	242.4	1814.6	211.8	113.6	251.1	2068.0	
G62.0	2052.8	330.4	116.6	214.0	1804.2	193.2	109.4	223.7	2052.8	
G63.0	2027.1	288.9	111.7	195.2	1781.3	177.4	105.5	202.7	2027.1	
G64.0	1989.0	251.0	107.1	176.6	1741.8	163.5	101.4	183.0	1989.0	
G65.0	1940.6	218.9	102.9	162.6	1681.1	152.4	97.7	169.3	1940.6	
G66.0	1882.0	195.8	98.9	151.5	1563.8	141.8	94.1	155.6	1882.0	
G67.0	1798.5	174.7	94.6	140.9	1282.4	131.5	90.6	145.3	1798.5	
G68.0	1612.1	160.0	90.7	132.2	943.8	123.7	87.1	133.2	1612.1	
G69.0	1462.8	148.0	86.7	123.8	656.4	115.7	83.8	123.9	1462.8	
G70.0	1258.7	135.4	82.5	115.9	429.7	108.7	80.7	115.3	1258.7	
G71.0	968.6	125.6	78.6	108.6	251.2	101.5	77.5	108.0	968.6	
G72.0	678.6	116.0	74.3	101.6	159.1	92.7	73.9	99.9	678.6	
G73.0	430.1	108.2	71.2	94.7	132.6	82.5	71.3	92.4	430.1	

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.903 m [K=1.0000]
Humidity:
Inspector:

Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G74.0	244.8	99.7	67.5	88.1	118.9	70.6	68.0	79.7	244.8	
G75.0	136.1	89.2	63.7	78.8	103.8	62.8	64.8	71.7	136.1	
G76.0	90.1	81.8	60.7	68.3	80.4	54.2	61.2	61.8	90.1	
G77.0	71.3	73.3	57.4	61.8	60.8	46.6	56.7	52.6	71.3	
G78.0	58.0	61.8	53.6	54.9	47.7	40.3	52.1	45.3	58.0	
G79.0	48.7	52.7	49.7	48.3	38.9	34.1	45.9	38.6	48.7	
G80.0	40.3	44.4	44.8	42.2	32.6	28.6	37.5	31.3	40.3	
G81.0	31.2	38.3	40.1	36.0	25.2	23.2	28.9	25.6	31.2	
G82.0	22.9	32.0	35.0	30.6	16.7	17.5	19.5	20.0	22.9	
G83.0	18.6	26.5	27.8	24.1	7.3	11.8	12.0	14.7	18.6	
G84.0	14.6	20.5	20.8	18.9	3.4	4.4	6.4	10.5	14.6	
G85.0	9.8	14.8	14.2	14.1	2.8	1.9	3.4	6.3	9.8	
G86.0	4.7	11.0	8.4	7.1	2.7	1.3	1.8	2.3	4.7	
G87.0	3.3	7.8	4.7	2.3	2.7	1.2	0.7	1.3	3.3	
G88.0	2.8	3.3	2.2	1.6	2.8	1.1	0.7	1.0	2.8	
G89.0	2.8	2.0	1.1	1.6	3.0	1.3	0.7	1.0	2.8	
G90.0	2.8	1.8	0.8	1.5	3.1	1.4	0.7	1.0	2.8	
G91.0	2.8	1.5	0.8	1.5	3.3	1.4	0.7	1.0	2.8	
G92.0	3.0	1.5	0.9	1.5	3.6	1.6	0.7	1.0	3.0	
G93.0	3.2	1.5	1.0	1.6	3.7	1.7	0.8	1.1	3.2	
G94.0	3.3	1.5	1.1	1.8	4.0	1.9	0.7	1.4	3.3	
G95.0	3.5	1.7	1.1	1.9	4.3	2.0	0.9	1.5	3.5	
G96.0	4.0	1.9	1.1	2.0	4.7	2.3	1.0	1.7	4.0	
G97.0	4.2	2.0	1.0	2.1	4.9	2.4	1.0	1.9	4.2	
G98.0	4.3	2.2	1.3	2.4	5.4	2.7	1.1	1.9	4.3	
G99.0	4.6	2.3	1.4	2.7	5.7	2.9	1.1	2.2	4.6	
G100.0	5.1	2.5	1.4	2.8	6.0	3.2	1.2	2.3	5.1	
G101.0	5.2	2.8	1.5	3.0	6.4	3.4	1.3	2.6	5.2	
G102.0	5.7	3.0	1.5	3.2	6.9	3.6	1.4	2.6	5.7	
G103.0	6.0	3.1	1.6	3.4	7.2	3.9	1.5	3.0	6.0	
G104.0	6.4	3.4	1.7	3.7	7.5	4.2	1.5	3.2	6.4	
G105.0	6.9	3.5	1.8	3.9	7.9	4.5	1.6	3.4	6.9	
G106.0	7.5	3.8	1.9	4.3	8.5	4.8	1.8	3.7	7.5	
G107.0	8.3	4.1	2.0	4.6	8.9	5.2	1.9	3.9	8.3	
G108.0	9.1	4.4	2.1	4.9	9.5	5.5	2.0	4.3	9.1	
G109.0	10.2	4.8	2.3	5.4	10.1	5.9	2.1	4.5	10.2	
G110.0	11.2	5.1	2.3	5.7	10.8	6.2	2.3	4.8	11.2	

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.903 m [K=1.0000]
Humidity:
Inspector:

Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G111.0	12.1	5.4	2.5	6.1	11.6	6.7	2.5	5.2	12.1	
G112.0	13.2	5.8	2.7	6.6	12.4	7.0	2.7	5.4	13.2	
G113.0	13.6	6.2	2.8	6.9	13.1	7.5	2.9	5.8	13.6	
G114.0	14.2	6.6	3.0	7.4	13.9	8.0	3.1	6.2	14.2	
G115.0	14.6	6.9	3.3	7.8	14.6	8.5	3.3	6.6	14.6	
G116.0	15.1	7.3	3.4	8.1	15.2	8.9	3.4	7.1	15.1	
G117.0	15.5	7.6	3.7	8.4	15.7	9.4	3.8	7.3	15.5	
G118.0	15.7	7.9	3.9	8.7	16.2	9.8	4.0	7.8	15.7	
G119.0	15.9	8.2	4.3	9.2	16.7	10.4	4.3	8.3	15.9	
G120.0	16.2	8.7	4.5	9.5	17.2	10.8	4.7	8.7	16.2	
G121.0	16.3	8.9	4.8	9.9	17.5	11.1	5.0	9.1	16.3	
G122.0	16.6	9.4	5.1	10.4	18.0	11.4	5.3	9.5	16.6	
G123.0	16.8	9.8	5.4	10.7	18.4	11.9	5.5	9.8	16.8	
G124.0	17.0	10.1	5.7	11.2	18.7	12.3	6.0	10.1	17.0	
G125.0	17.2	10.5	6.2	11.6	19.1	12.6	6.4	10.4	17.2	
G126.0	17.6	10.9	6.4	11.9	19.3	13.0	6.7	10.7	17.6	
G127.0	17.8	11.1	6.8	12.4	19.6	13.4	7.2	11.1	17.8	
G128.0	18.4	11.4	7.4	12.7	19.9	13.7	7.5	11.4	18.4	
G129.0	19.0	11.8	7.8	13.2	20.5	14.0	7.9	11.8	19.0	
G130.0	19.6	12.1	8.3	13.6	21.0	14.5	8.5	12.1	19.6	
G131.0	20.0	12.4	8.7	14.1	21.6	14.9	9.0	12.5	20.0	
G132.0	20.3	12.7	9.2	14.5	22.0	15.2	9.4	12.9	20.3	
G133.0	20.6	13.0	9.7	15.0	22.6	15.6	9.9	13.3	20.6	
G134.0	20.9	13.3	10.3	15.5	23.1	16.0	10.5	13.7	20.9	
G135.0	21.0	13.6	10.9	15.9	23.5	16.4	11.1	14.2	21.0	
G136.0	21.4	14.0	11.5	16.2	23.7	16.8	11.6	14.6	21.4	
G137.0	21.6	14.2	12.1	16.7	23.9	17.2	12.2	15.1	21.6	
G138.0	21.9	14.5	12.7	16.9	24.2	17.6	12.6	15.5	21.9	
G139.0	22.2	14.8	13.4	17.3	24.3	17.9	13.2	16.0	22.2	
G140.0	22.5	15.1	14.0	17.7	24.4	18.3	13.8	16.6	22.5	
G141.0	22.7	15.4	14.6	17.9	24.6	18.7	14.4	17.0	22.7	
G142.0	23.0	15.6	15.2	18.4	24.8	19.2	15.1	17.6	23.0	
G143.0	23.2	16.0	15.7	18.7	24.8	19.5	15.8	17.8	23.2	
G144.0	23.4	16.3	16.5	19.1	24.8	19.9	16.4	18.3	23.4	
G145.0	23.6	16.6	17.0	19.4	24.8	20.2	16.9	18.9	23.6	
G146.0	23.8	17.0	17.7	19.8	24.9	20.5	17.6	19.2	23.8	
G147.0	23.8	17.3	18.2	20.0	25.0	21.0	18.1	19.6	23.8	

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.903 m [K=1.0000]
Humidity:
Inspector:

Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G148.0	24.0	17.8	18.7	20.4	25.1	21.3	18.6	20.2	24.0	
G149.0	24.1	18.1	19.2	20.7	25.1	21.7	19.3	20.5	24.1	
G150.0	24.2	18.4	19.7	21.1	25.0	22.0	19.6	20.9	24.2	
G151.0	24.3	18.7	20.1	21.3	25.0	22.2	20.2	21.2	24.3	
G152.0	24.3	19.1	20.7	21.6	24.9	22.6	20.5	21.7	24.3	
G153.0	24.3	19.4	21.1	21.8	24.9	22.9	20.9	21.9	24.3	
G154.0	24.6	19.8	21.6	22.0	25.0	23.1	21.3	22.4	24.6	
G155.0	24.6	20.1	22.0	22.2	25.0	23.4	21.6	22.6	24.6	
G156.0	24.6	20.4	22.4	22.5	24.9	23.7	22.0	23.0	24.6	
G157.0	24.7	20.7	23.0	22.6	25.0	23.9	22.4	23.2	24.7	
G158.0	24.9	21.0	23.2	22.9	25.1	24.2	22.6	23.6	24.9	
G159.0	25.0	21.3	23.7	23.1	25.1	24.3	22.9	23.7	25.0	
G160.0	24.9	21.6	24.0	23.2	25.0	24.4	23.1	23.8	24.9	
G161.0	25.1	21.8	24.3	23.4	24.5	24.6	23.1	23.9	25.1	
G162.0	25.2	22.2	24.9	23.6	23.7	24.8	22.8	24.0	25.2	
G163.0	25.2	22.4	25.2	23.8	22.9	24.9	22.5	24.2	25.2	
G164.0	25.2	22.6	25.5	23.9	22.1	25.1	22.2	24.2	25.2	
G165.0	25.4	23.0	25.5	24.1	21.3	24.9	21.9	24.2	25.4	
G166.0	25.3	23.1	25.8	24.3	20.6	25.1	21.6	24.1	25.3	
G167.0	25.4	23.5	26.1	24.6	20.4	25.1	21.4	23.9	25.4	
G168.0	25.5	23.7	26.3	24.9	20.5	24.9	21.6	23.6	25.5	
G169.0	25.4	24.0	26.6	25.1	20.4	24.9	21.8	23.4	25.4	
G170.0	25.6	24.2	26.6	25.4	20.4	25.0	21.9	23.5	25.6	
G171.0	25.6	24.5	26.9	25.8	20.5	24.6	21.8	23.1	25.6	
G172.0	25.6	24.6	27.2	25.9	20.7	23.9	21.5	22.5	25.6	
G173.0	25.8	24.9	27.3	26.1	20.9	23.5	21.3	22.3	25.8	
G174.0	25.9	25.1	27.5	26.3	21.3	23.5	21.8	22.5	25.9	
G175.0	25.9	25.3	27.7	26.5	22.1	23.4	22.5	22.8	25.9	
G176.0	26.1	25.4	27.8	26.6	22.8	23.5	23.4	23.1	26.1	
G177.0	26.2	25.7	28.0	26.8	23.4	23.4	24.1	23.6	26.2	
G178.0	26.2	25.9	28.0	26.7	24.2	23.4	24.9	23.9	26.2	
G179.0	26.3	25.9	27.9	26.7	24.8	24.0	25.8	24.6	26.3	
G180.0	25.6	25.2	27.2	25.9	26.1	25.4	27.1	26.0	25.6	

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.903 m [K=1.0000]
Humidity:
Inspector: