

Report No.:

Test Time: 2025-12-12 15:01

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: SSL319A-700W

Lamp Catalog:

Number of Lamps:

Luminous Length (mm):

Luminous Height (mm): -

Current: 0.0000 A

Power Factor: 0.0000

Luminaire Description: 1.15A

Lamp Description:

Lumens per Lamp:

Luminous Width (mm):

Voltage: 0.00 V

Power: 0.00 W

Photometric Results

CIE Class: Direct

Measurement Flux: 6834.8 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(50%): H124.4

Vertical Diffuse Angle(50%): V64.3

Luminous Efficacy (lm/w): 6834.84

Max. Intensity: 4004.13 cd

S/MH(C0/C180): 1.85

Total Rated Lamp Lumens: 6834.8 lm

Efficiency: 100%

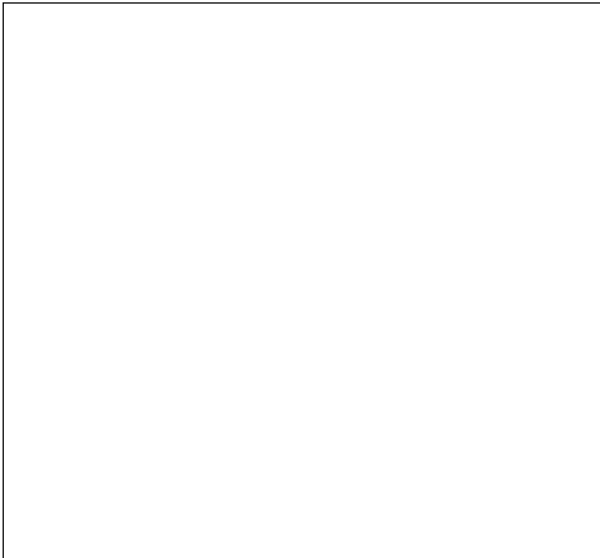
Upward Ratio: 1%

C0r0 Intensity: 2904.34 cd

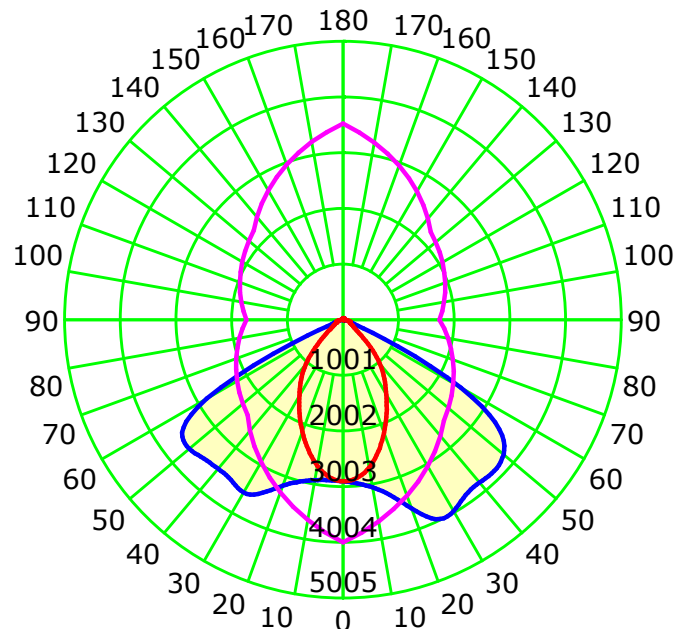
Pos of Max. Intensity: H0 V27

S/MH(C90/C270): 0.89

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 94.1°

— C0-C180 — C90-C270 — G27

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

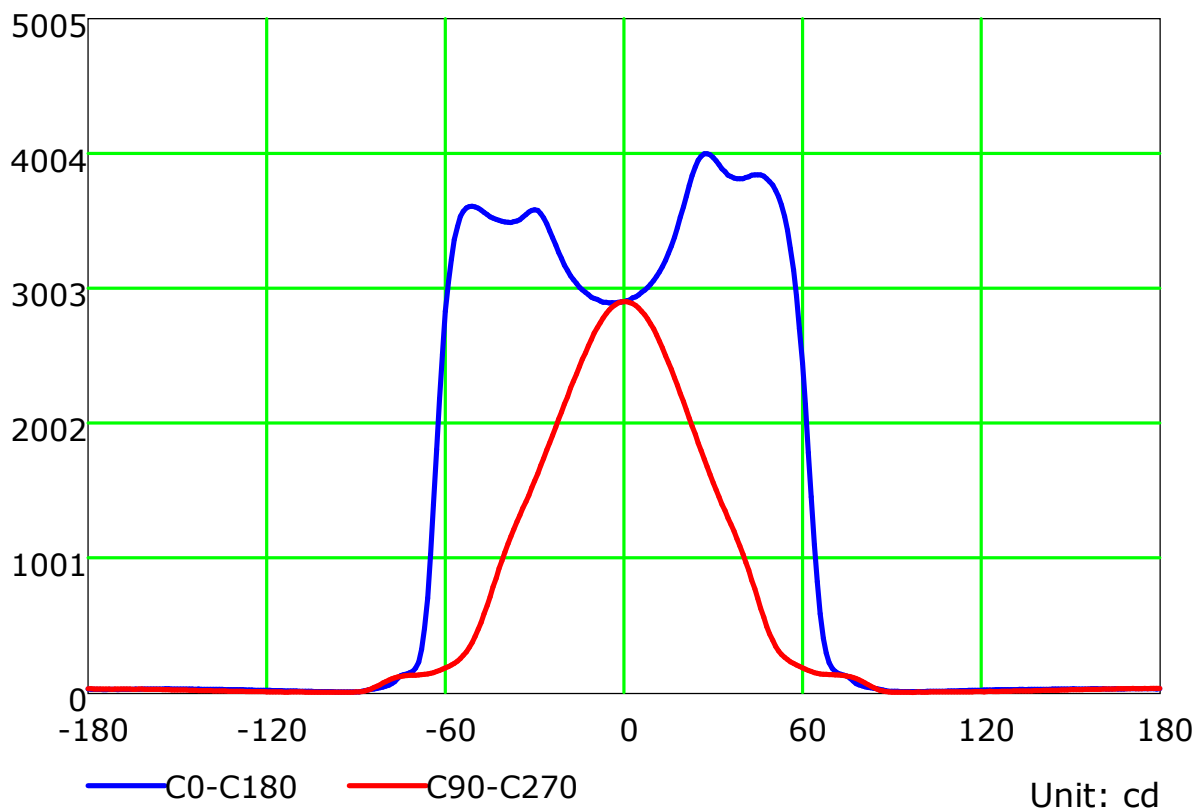
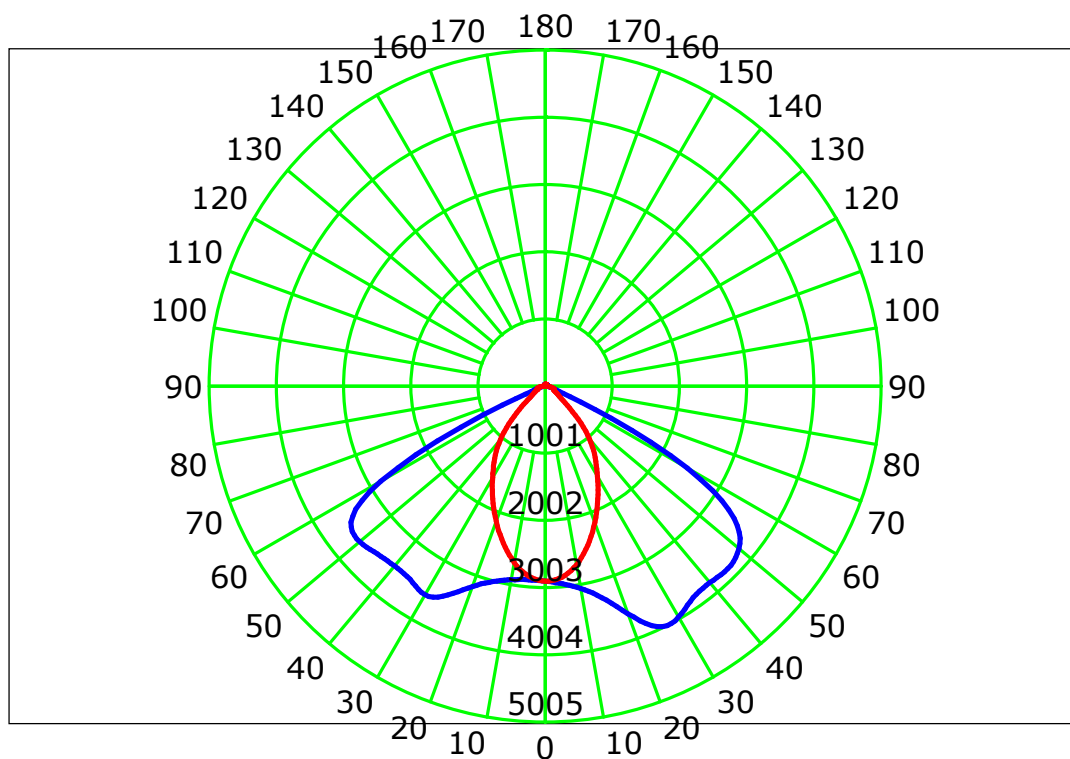
Test Device: GPM-1600L

Distance: 9.903 m [K=1.0000]

Humidity:

Inspector:

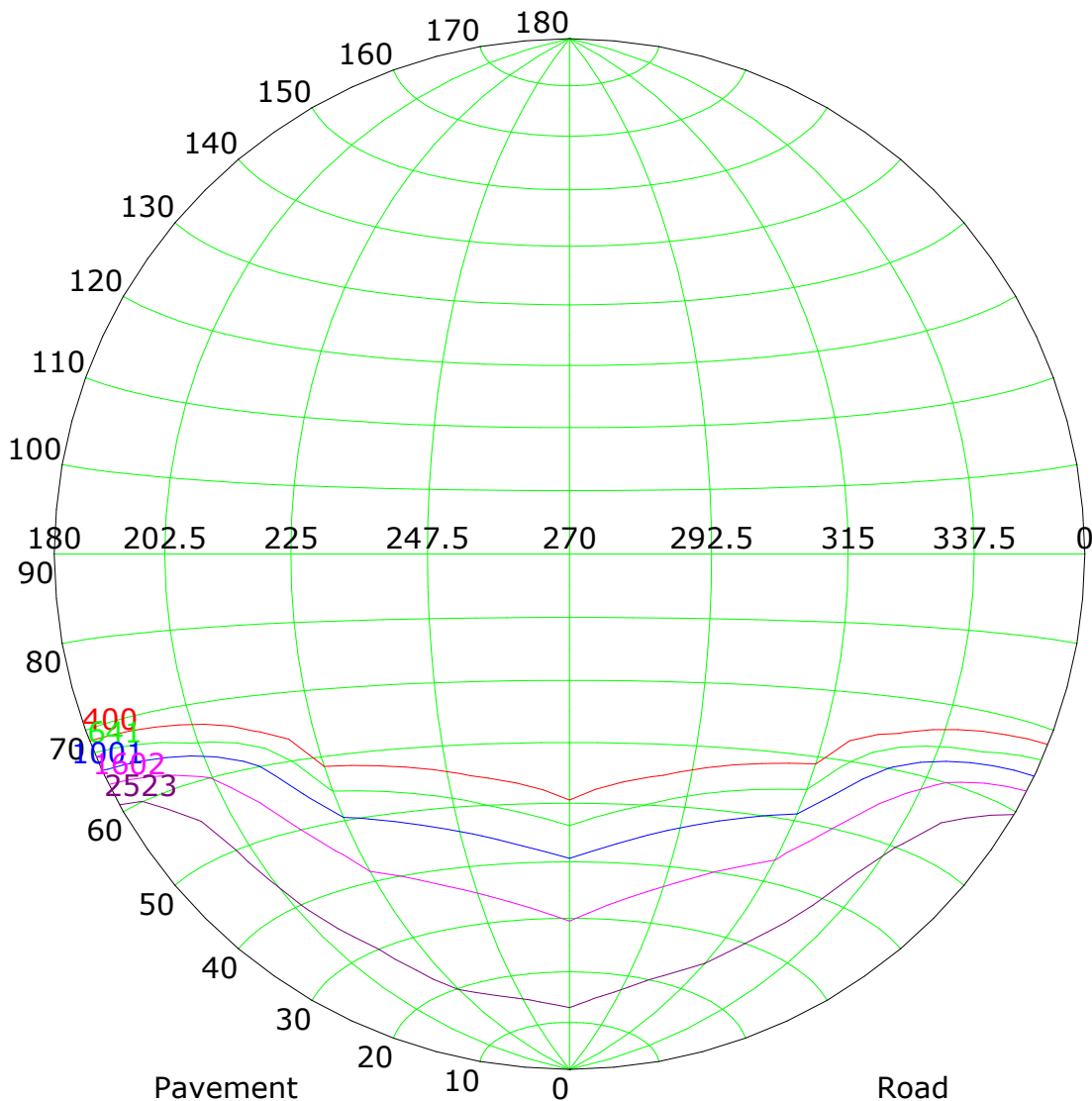
Luminous Intensity Distribution Curve



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%): 4004 cd

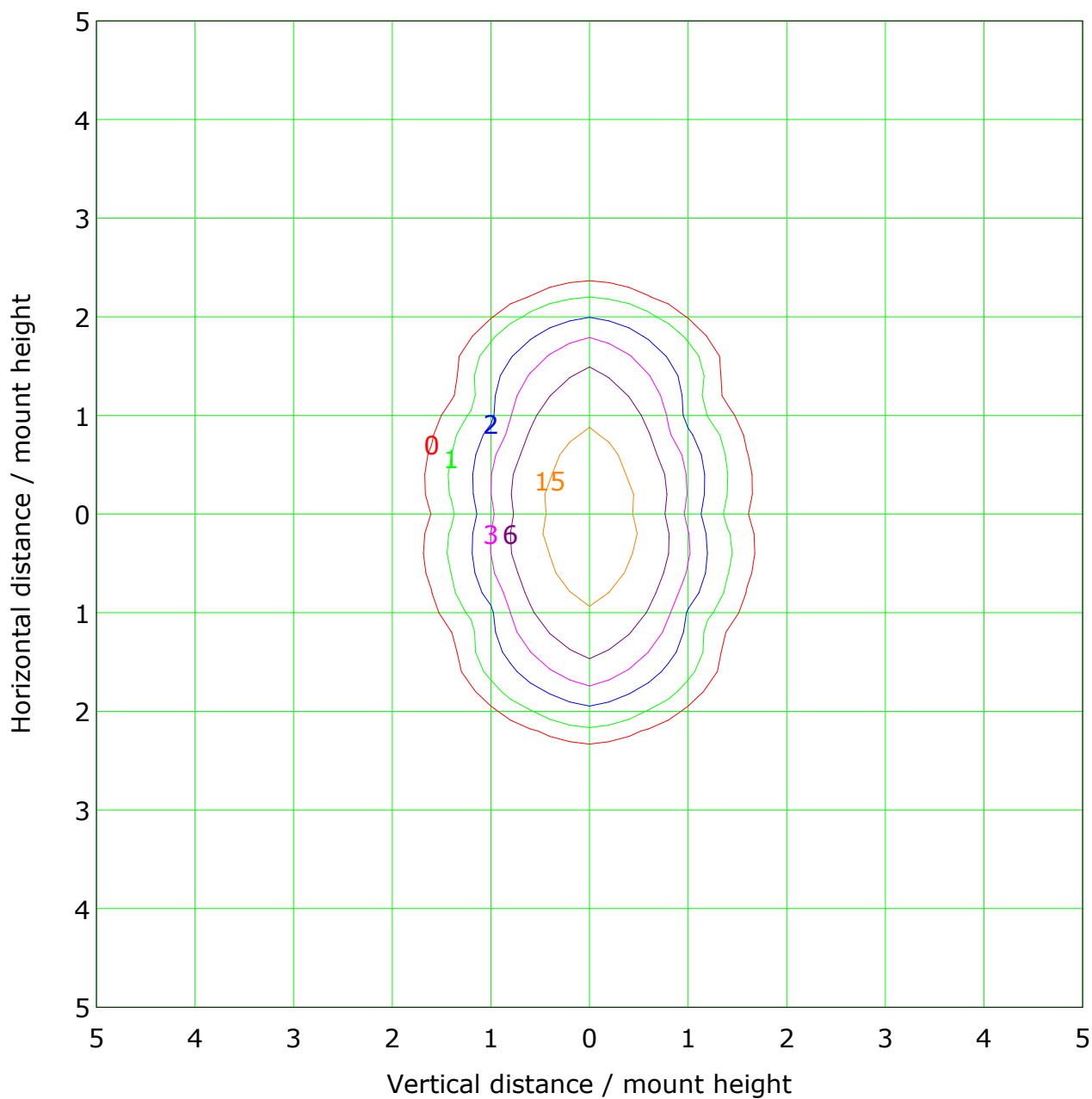
(10%): 400 cd
(25%): 1001 cd
(63%): 2523 cd

(16%): 641 cd
(40%): 1602 cd
(100%): 4004 cd

CIE: narrow - short
CIE: Full-cut-off luminaire
Max.At90: 1.454 cd/klm

IES: Cut-off
Max.At80: 12.221 cd/klm
Max.80-90: 12.221 cd/klm

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 30.0 lx

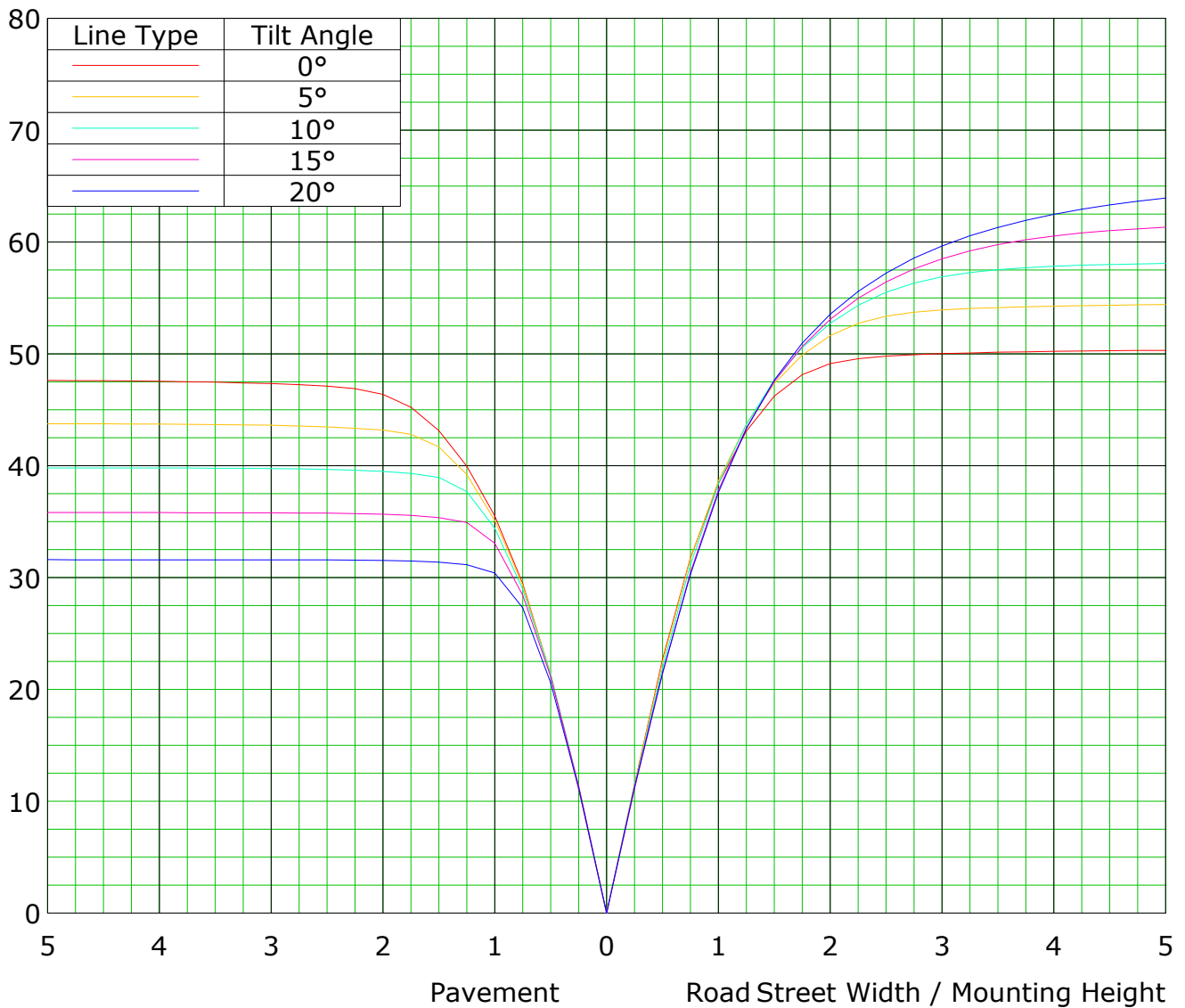
(1%): 0.3 lx	(2%): 0.6 lx
(5%): 1.5 lx	(10%): 3.0 lx
(20%): 6.0 lx	(50%): 15.0 lx
(100%): 30.0 lx	

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(%)



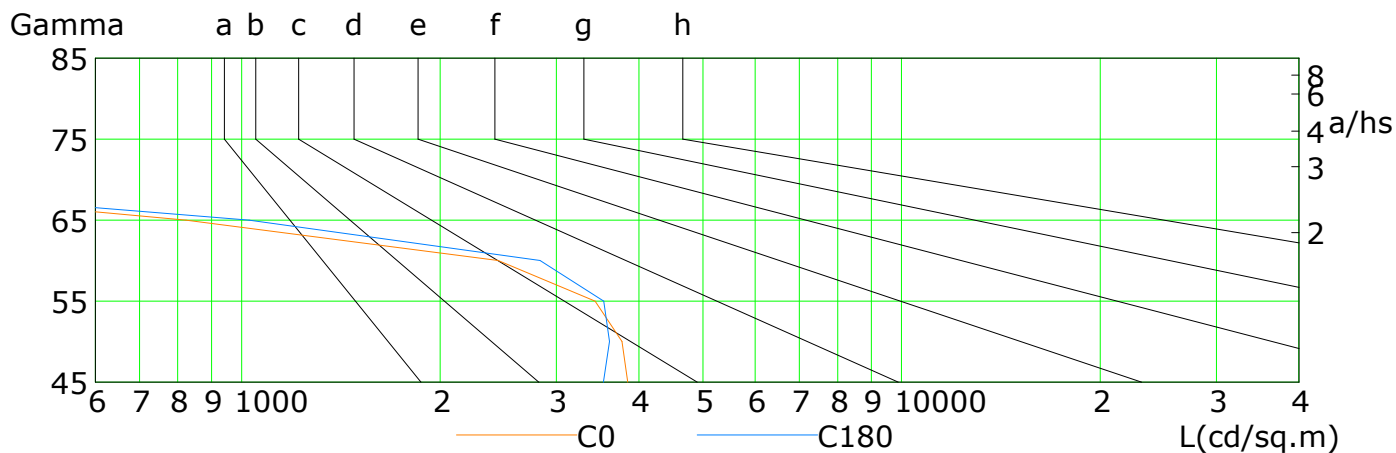
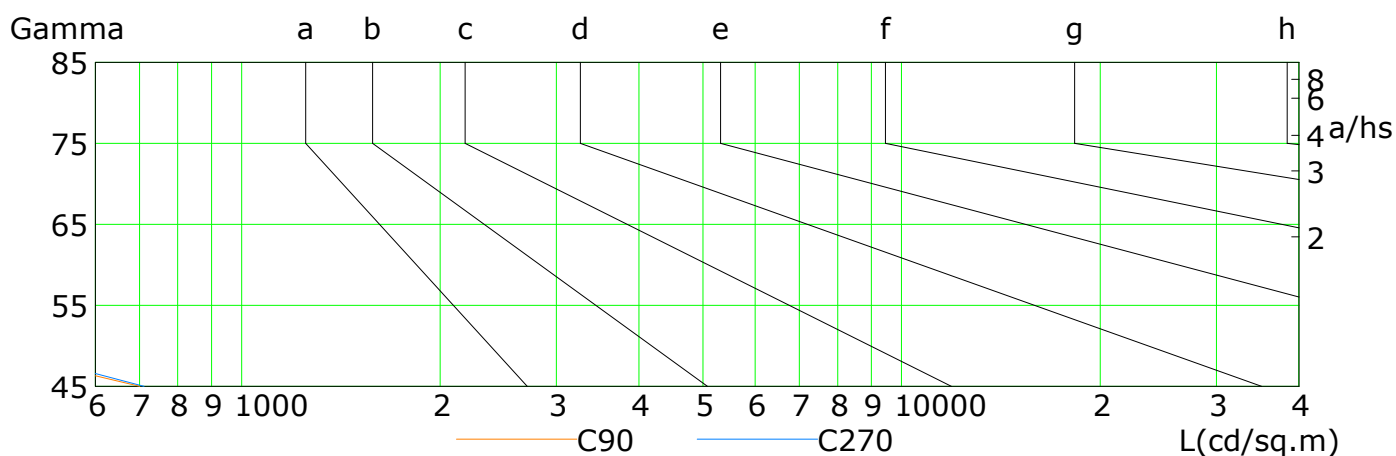
C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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

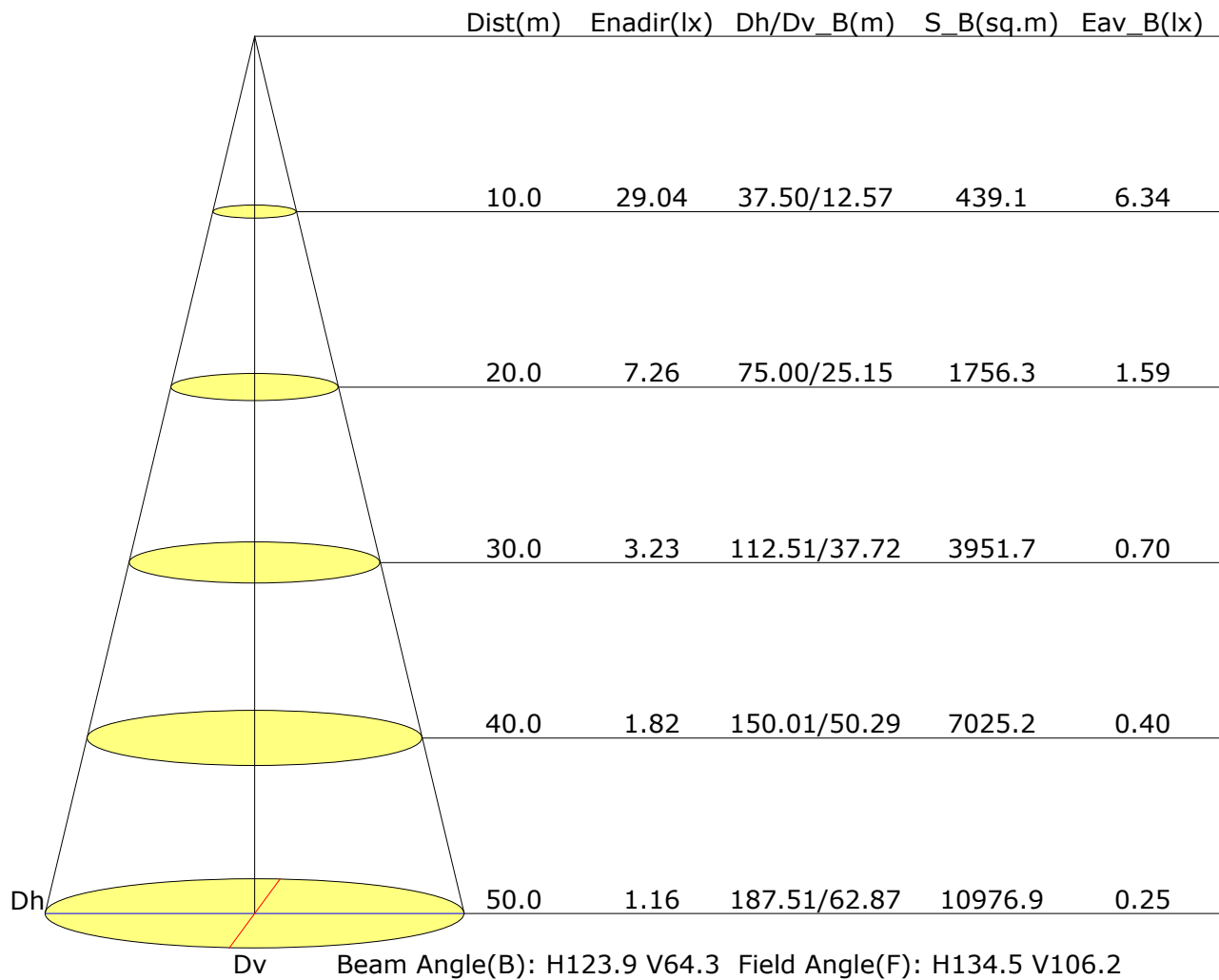


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	3846	3770	3434	2448	824	180	122	51	29
C90	701	388	245	184	143	134	123	84	27
C180	3535	3609	3536	2832	1026	183	128	48	26
C270	711	418	254	185	143	130	121	82	27

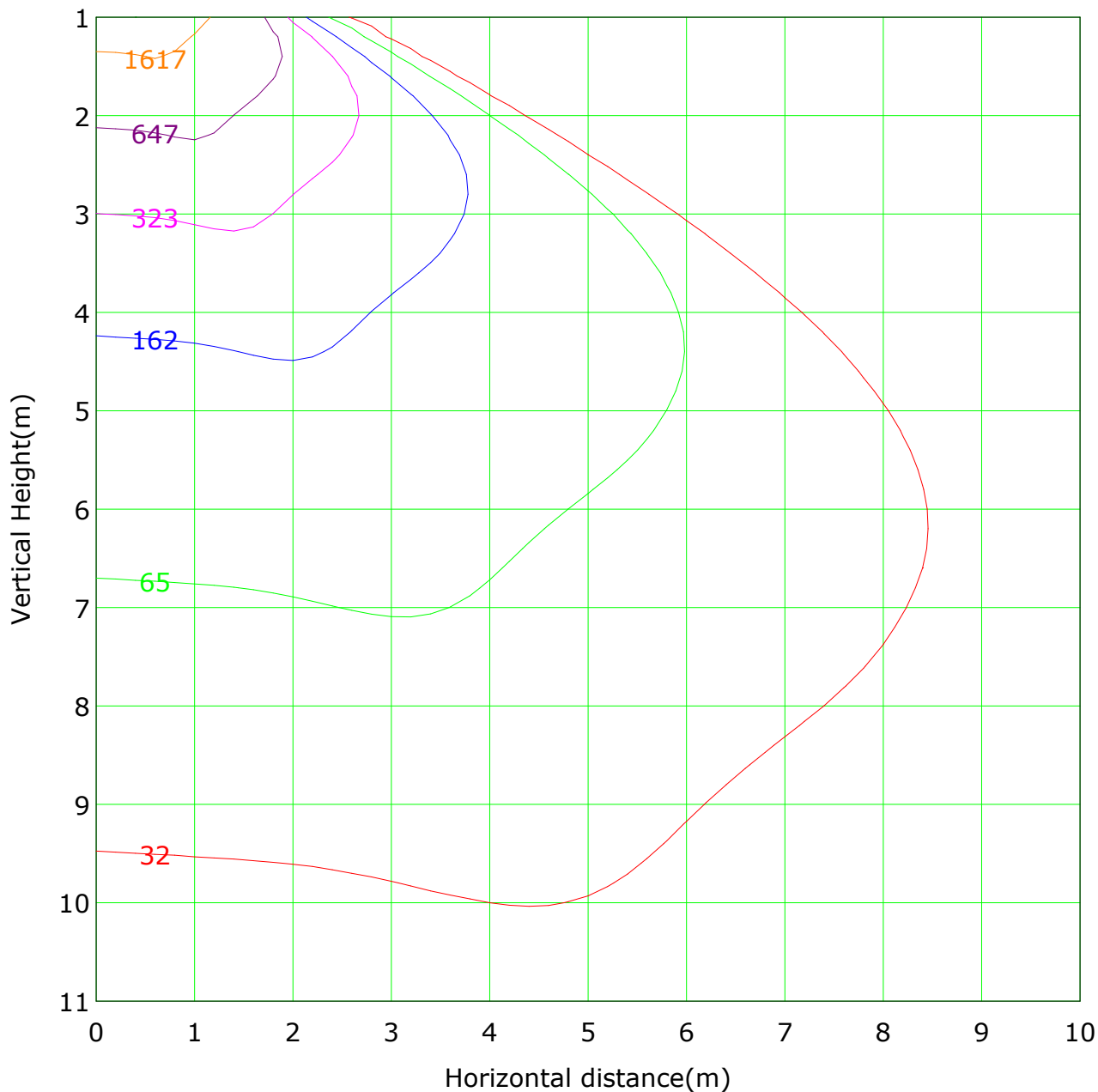
C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



Vertical IsoLux Plot

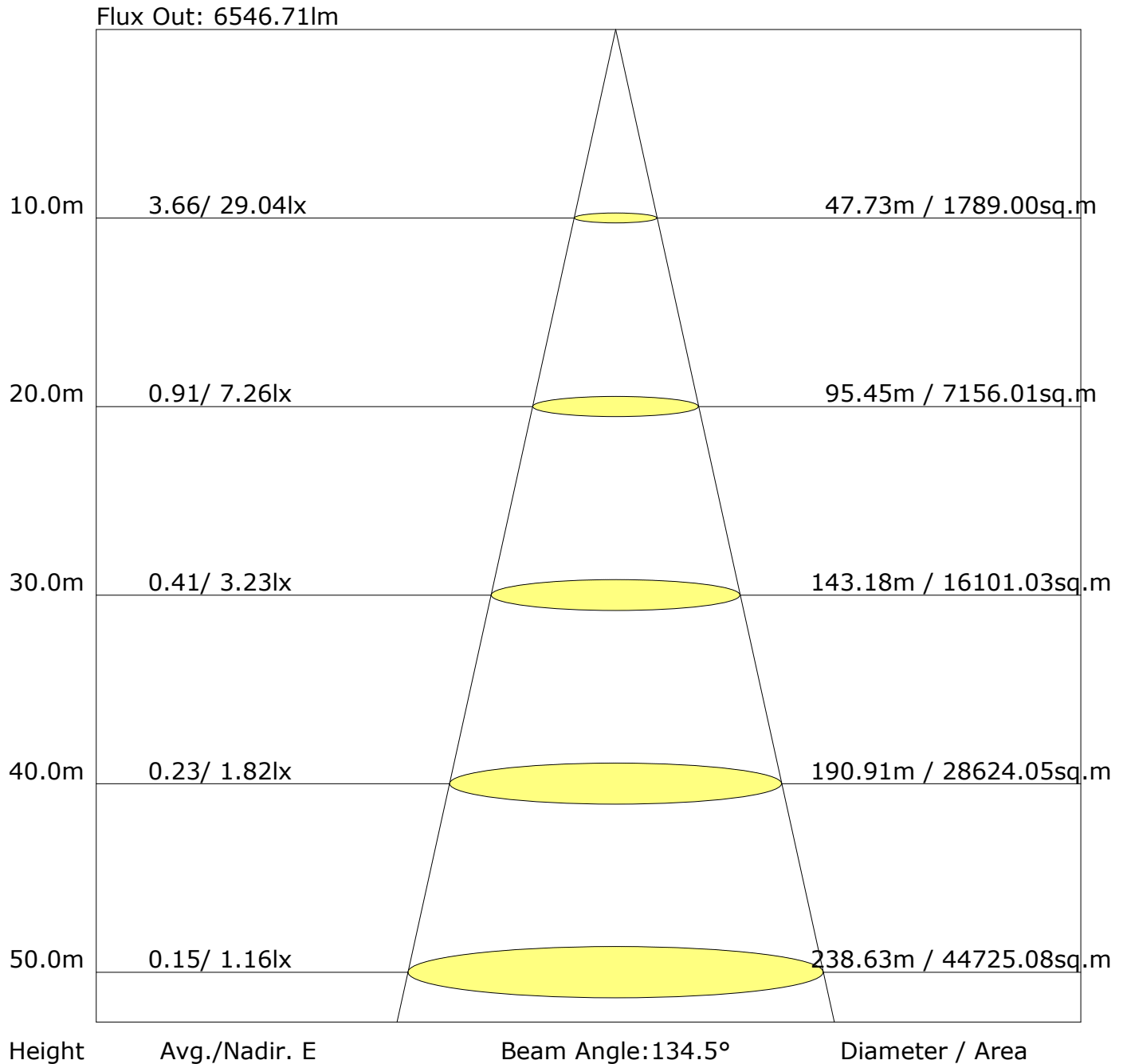


Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 3234.6 lx

(1%): 32.3 lx	(2%): 64.7 lx
(5%): 161.7 lx	(10%): 323.5 lx
(20%): 646.9 lx	(50%): 1617.3 lx
(100%): 3234.6 lx	

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 6835lm ($8\log(F/F_0) = 6.7$).

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	2905.7	2.8	2.8	0.04	0.04
1.0-2.0	2904.2	8.3	11.1	0.12	0.16
2.0-3.0	2901.2	13.9	25.0	0.20	0.37
3.0-4.0	2897.1	19.4	44.4	0.28	0.65
4.0-5.0	2891.5	24.9	69.3	0.36	1.01
5.0-6.0	2884.6	30.3	99.6	0.44	1.46
6.0-7.0	2875.8	35.7	135.3	0.52	1.98
7.0-8.0	2865.8	41.0	176.3	0.60	2.58
8.0-9.0	2855.2	46.3	222.6	0.68	3.26
9.0-10.0	2843.7	51.5	274.1	0.75	4.01
10.0-11.0	2830.4	56.6	330.6	0.83	4.84
11.0-12.0	2816.4	61.6	392.2	0.90	5.74
12.0-13.0	2802.8	66.5	458.7	0.97	6.71
13.0-14.0	2788.6	71.4	530.1	1.04	7.76
14.0-15.0	2775.0	76.2	606.3	1.11	8.87
15.0-16.0	2761.5	80.9	687.2	1.18	10.05
16.0-17.0	2747.4	85.6	772.8	1.25	11.31
17.0-18.0	2734.3	90.2	863.0	1.32	12.63
18.0-19.0	2721.2	94.7	957.6	1.39	14.01
19.0-20.0	2707.5	99.1	1056.8	1.45	15.46
20.0-21.0	2694.6	103.5	1160.2	1.51	16.98
21.0-22.0	2681.1	107.8	1268.0	1.58	18.55
22.0-23.0	2666.9	111.9	1379.9	1.64	20.19
23.0-24.0	2649.7	115.9	1495.8	1.70	21.88
24.0-25.0	2628.9	119.5	1615.3	1.75	23.63
25.0-26.0	2605.8	123.0	1738.3	1.80	25.43
26.0-27.0	2578.9	126.2	1864.5	1.85	27.28
27.0-28.0	2547.4	129.0	1993.5	1.89	29.17
28.0-29.0	2513.1	131.5	2125.0	1.92	31.09
29.0-30.0	2474.9	133.6	2258.7	1.96	33.05
30.0-31.0	2435.0	135.5	2394.2	1.98	35.03
31.0-32.0	2394.2	137.2	2531.4	2.01	37.04
32.0-33.0	2351.3	138.5	2669.9	2.03	39.06
33.0-34.0	2310.1	139.8	2809.7	2.05	41.11
34.0-35.0	2268.4	140.9	2950.6	2.06	43.17
35.0-36.0	2227.8	141.9	3092.5	2.08	45.25

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 [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	2190.1	142.9	3235.4	2.09	47.34
37.0-38.0	2151.9	143.7	3379.0	2.10	49.44
38.0-39.0	2114.8	144.4	3523.4	2.11	51.55
39.0-40.0	2076.8	144.9	3668.2	2.12	53.67
40.0-41.0	2038.2	145.2	3813.4	2.12	55.79
41.0-42.0	2000.8	145.4	3958.8	2.13	57.92
42.0-43.0	1959.7	145.2	4104.0	2.12	60.04
43.0-44.0	1915.6	144.6	4248.6	2.12	62.16
44.0-45.0	1870.0	143.7	4392.3	2.10	64.26
45.0-46.0	1820.7	142.4	4534.7	2.08	66.35
46.0-47.0	1769.4	140.7	4675.5	2.06	68.41
47.0-48.0	1713.2	138.5	4814.0	2.03	70.43
48.0-49.0	1654.8	135.9	4949.9	1.99	72.42
49.0-50.0	1597.4	133.2	5083.1	1.95	74.37
50.0-51.0	1535.1	129.9	5213.0	1.90	76.27
51.0-52.0	1471.6	126.3	5339.3	1.85	78.12
52.0-53.0	1408.5	122.5	5461.8	1.79	79.91
53.0-54.0	1342.6	118.4	5580.2	1.73	81.64
54.0-55.0	1275.8	113.9	5694.1	1.67	83.31
55.0-56.0	1206.1	109.0	5803.1	1.59	84.90
56.0-57.0	1134.0	103.7	5906.8	1.52	86.42
57.0-58.0	1061.4	98.2	6004.9	1.44	87.86
58.0-59.0	984.5	92.1	6097.0	1.35	89.20
59.0-60.0	904.3	85.4	6182.4	1.25	90.45
60.0-61.0	815.0	77.8	6260.2	1.14	91.59
61.0-62.0	715.8	69.0	6329.2	1.01	92.60
62.0-63.0	615.8	59.9	6389.1	0.88	93.48
63.0-64.0	513.0	50.3	6439.4	0.74	94.21
64.0-65.0	415.3	41.1	6480.5	0.60	94.82
65.0-66.0	332.2	33.1	6513.7	0.48	95.30
66.0-67.0	264.9	26.6	6540.3	0.39	95.69
67.0-68.0	217.1	22.0	6562.3	0.32	96.01
68.0-69.0	185.1	18.9	6581.2	0.28	96.29
69.0-70.0	164.4	16.9	6598.1	0.25	96.54
70.0-71.0	151.8	15.7	6613.8	0.23	96.77
71.0-72.0	143.0	14.9	6628.7	0.22	96.98

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	135.7	14.2	6642.9	0.21	97.19
73.0-74.0	128.5	13.5	6656.4	0.20	97.39
74.0-75.0	120.5	12.7	6669.1	0.19	97.58
75.0-76.0	111.0	11.8	6680.9	0.17	97.75
76.0-77.0	99.0	10.6	6691.4	0.15	97.90
77.0-78.0	87.4	9.4	6700.8	0.14	98.04
78.0-79.0	78.2	8.4	6709.2	0.12	98.16
79.0-80.0	69.6	7.5	6716.7	0.11	98.27
80.0-81.0	61.0	6.6	6723.3	0.10	98.37
81.0-82.0	52.3	5.7	6729.0	0.08	98.45
82.0-83.0	43.4	4.7	6733.7	0.07	98.52
83.0-84.0	35.1	3.8	6737.5	0.06	98.58
84.0-85.0	27.5	3.0	6740.5	0.04	98.62
85.0-86.0	21.1	2.3	6742.8	0.03	98.65
86.0-87.0	16.0	1.7	6744.6	0.03	98.68
87.0-88.0	11.5	1.3	6745.8	0.02	98.70
88.0-89.0	7.9	0.9	6746.7	0.01	98.71
89.0-90.0	6.0	0.7	6747.4	0.01	98.72
90.0-91.0	5.4	0.6	6747.9	0.01	98.73
91.0-92.0	5.0	0.5	6748.5	0.01	98.74
92.0-93.0	4.8	0.5	6749.0	0.01	98.74
93.0-94.0	4.9	0.5	6749.6	0.01	98.75
94.0-95.0	4.8	0.5	6750.1	0.01	98.76
95.0-96.0	4.8	0.5	6750.6	0.01	98.77
96.0-97.0	4.8	0.5	6751.1	0.01	98.78
97.0-98.0	5.1	0.6	6751.7	0.01	98.78
98.0-99.0	5.3	0.6	6752.3	0.01	98.79
99.0-100.0	5.5	0.6	6752.8	0.01	98.80
100.0-101.0	5.9	0.6	6753.5	0.01	98.81
101.0-102.0	5.9	0.6	6754.1	0.01	98.82
102.0-103.0	6.0	0.6	6754.8	0.01	98.83
103.0-104.0	6.4	0.7	6755.4	0.01	98.84
104.0-105.0	6.7	0.7	6756.1	0.01	98.85
105.0-106.0	7.0	0.7	6756.9	0.01	98.86
106.0-107.0	7.2	0.8	6757.6	0.01	98.87
107.0-108.0	7.6	0.8	6758.4	0.01	98.88

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	7.9	0.8	6759.3	0.01	98.89
109.0-110.0	8.3	0.9	6760.1	0.01	98.91
110.0-111.0	8.7	0.9	6761.0	0.01	98.92
111.0-112.0	9.0	0.9	6761.9	0.01	98.93
112.0-113.0	9.2	0.9	6762.9	0.01	98.95
113.0-114.0	9.6	1.0	6763.8	0.01	98.96
114.0-115.0	10.2	1.0	6764.8	0.01	98.98
115.0-116.0	10.5	1.0	6765.9	0.02	98.99
116.0-117.0	10.9	1.1	6766.9	0.02	99.01
117.0-118.0	11.3	1.1	6768.0	0.02	99.02
118.0-119.0	11.9	1.1	6769.2	0.02	99.04
119.0-120.0	12.2	1.2	6770.4	0.02	99.06
120.0-121.0	12.5	1.2	6771.5	0.02	99.07
121.0-122.0	13.1	1.2	6772.8	0.02	99.09
122.0-123.0	13.8	1.3	6774.0	0.02	99.11
123.0-124.0	14.0	1.3	6775.3	0.02	99.13
124.0-125.0	14.4	1.3	6776.6	0.02	99.15
125.0-126.0	15.1	1.3	6778.0	0.02	99.17
126.0-127.0	15.6	1.4	6779.3	0.02	99.19
127.0-128.0	15.9	1.4	6780.7	0.02	99.21
128.0-129.0	16.1	1.4	6782.1	0.02	99.23
129.0-130.0	16.7	1.4	6783.5	0.02	99.25
130.0-131.0	17.3	1.4	6785.0	0.02	99.27
131.0-132.0	17.7	1.4	6786.4	0.02	99.29
132.0-133.0	18.2	1.5	6787.9	0.02	99.31
133.0-134.0	18.7	1.5	6789.4	0.02	99.33
134.0-135.0	18.9	1.5	6790.8	0.02	99.36
135.0-136.0	19.2	1.5	6792.3	0.02	99.38
136.0-137.0	19.3	1.5	6793.8	0.02	99.40
137.0-138.0	19.5	1.4	6795.2	0.02	99.42
138.0-139.0	20.1	1.5	6796.7	0.02	99.44
139.0-140.0	20.6	1.5	6798.1	0.02	99.46
140.0-141.0	21.1	1.5	6799.6	0.02	99.48
141.0-142.0	21.3	1.5	6801.1	0.02	99.51
142.0-143.0	21.6	1.4	6802.5	0.02	99.53
143.0-144.0	22.4	1.5	6804.0	0.02	99.55

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	22.8	1.5	6805.4	0.02	99.57
145.0-146.0	22.9	1.4	6806.9	0.02	99.59
146.0-147.0	23.3	1.4	6808.3	0.02	99.61
147.0-148.0	23.8	1.4	6809.7	0.02	99.63
148.0-149.0	24.2	1.4	6811.1	0.02	99.65
149.0-150.0	24.5	1.4	6812.4	0.02	99.67
150.0-151.0	24.8	1.3	6813.8	0.02	99.69
151.0-152.0	24.9	1.3	6815.1	0.02	99.71
152.0-153.0	25.0	1.3	6816.3	0.02	99.73
153.0-154.0	25.6	1.3	6817.6	0.02	99.75
154.0-155.0	26.0	1.2	6818.8	0.02	99.77
155.0-156.0	26.2	1.2	6820.0	0.02	99.78
156.0-157.0	26.4	1.2	6821.2	0.02	99.80
157.0-158.0	26.6	1.1	6822.3	0.02	99.82
158.0-159.0	26.8	1.1	6823.4	0.02	99.83
159.0-160.0	27.0	1.0	6824.4	0.02	99.85
160.0-161.0	27.3	1.0	6825.4	0.01	99.86
161.0-162.0	27.4	1.0	6826.3	0.01	99.88
162.0-163.0	27.4	0.9	6827.2	0.01	99.89
163.0-164.0	27.5	0.9	6828.1	0.01	99.90
164.0-165.0	27.5	0.8	6828.9	0.01	99.91
165.0-166.0	27.5	0.8	6829.7	0.01	99.92
166.0-167.0	27.4	0.7	6830.4	0.01	99.93
167.0-168.0	27.6	0.7	6831.0	0.01	99.94
168.0-169.0	27.9	0.6	6831.6	0.01	99.95
169.0-170.0	27.9	0.6	6832.2	0.01	99.96
170.0-171.0	27.8	0.5	6832.7	0.01	99.97
171.0-172.0	27.7	0.4	6833.1	0.01	99.98
172.0-173.0	27.7	0.4	6833.5	0.01	99.98
173.0-174.0	27.7	0.3	6833.9	0.01	99.99
174.0-175.0	27.6	0.3	6834.2	0.00	99.99
175.0-176.0	27.7	0.2	6834.4	0.00	99.99
176.0-177.0	28.1	0.2	6834.6	0.00	100.00
177.0-178.0	28.4	0.1	6834.7	0.00	100.00
178.0-179.0	28.5	0.1	6834.8	0.00	100.00
179.0-180.0	28.8	0.0	6834.8	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°): 4392.31 lm

%lum = 64.3%

%lamp = 64.3%

cone flux(120°): 6182.43 lm

%lum = 90.5%

%lamp = 90.5%

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	2904.3	2906.9	2904.3	2907.4	2904.3	2906.9	2904.3	2907.4	2904.3	
G1.0	2911.5	2910.2	2904.8	2903.7	2901.7	2901.9	2902.1	2909.9	2911.5	
G2.0	2916.6	2909.9	2897.0	2895.6	2899.6	2894.3	2894.7	2914.1	2916.6	
G3.0	2932.0	2911.7	2890.1	2890.9	2895.9	2885.2	2881.1	2910.5	2932.0	
G4.0	2939.4	2915.7	2875.1	2881.6	2896.9	2872.2	2863.5	2912.6	2939.4	
G5.0	2953.6	2916.7	2858.0	2869.9	2895.5	2861.1	2843.1	2909.6	2953.6	
G6.0	2972.3	2914.4	2833.5	2857.7	2898.8	2848.5	2816.1	2905.6	2972.3	
G7.0	2989.3	2911.1	2805.8	2843.3	2900.5	2832.1	2784.3	2899.9	2989.3	
G8.0	3009.8	2907.3	2777.1	2827.9	2909.7	2812.6	2748.6	2893.0	3009.8	
G9.0	3033.8	2903.6	2740.5	2808.3	2919.9	2795.4	2712.4	2882.8	3033.8	
G10.0	3060.8	2896.2	2701.9	2791.1	2928.2	2776.8	2671.5	2876.0	3060.8	
G11.0	3091.6	2891.8	2657.4	2768.0	2938.5	2755.6	2620.4	2859.8	3091.6	
G12.0	3125.6	2884.5	2608.9	2743.9	2956.4	2735.6	2575.1	2848.7	3125.6	
G13.0	3162.6	2876.6	2561.5	2723.5	2974.1	2709.0	2524.0	2834.3	3162.6	
G14.0	3210.5	2871.9	2503.5	2695.2	2993.5	2684.7	2475.7	2817.6	3210.5	
G15.0	3262.5	2864.0	2453.4	2672.4	3011.3	2659.6	2421.2	2802.3	3262.5	
G16.0	3316.8	2855.5	2401.9	2642.4	3040.5	2631.6	2367.4	2780.7	3316.8	
G17.0	3383.5	2841.0	2338.8	2612.1	3067.9	2603.0	2312.6	2762.5	3383.5	
G18.0	3453.2	2828.9	2283.6	2581.9	3096.5	2577.7	2262.3	2743.3	3453.2	
G19.0	3532.3	2812.9	2221.4	2546.2	3135.8	2544.4	2198.6	2719.7	3532.3	
G20.0	3608.4	2794.4	2162.7	2511.9	3175.9	2516.5	2144.0	2694.9	3608.4	
G21.0	3685.6	2778.0	2101.8	2477.2	3225.9	2485.5	2083.8	2666.8	3685.6	
G22.0	3768.7	2755.3	2038.5	2439.4	3271.5	2452.1	2032.5	2635.7	3768.7	
G23.0	3841.7	2726.7	1979.4	2403.3	3325.6	2422.1	1973.0	2604.8	3841.7	
G24.0	3906.2	2695.8	1920.1	2362.2	3379.2	2381.9	1910.9	2562.0	3906.2	
G25.0	3954.7	2657.4	1854.6	2317.2	3429.8	2349.8	1855.3	2524.5	3954.7	
G26.0	3984.2	2615.5	1798.0	2276.7	3482.8	2313.8	1802.4	2476.8	3984.2	
G27.0	4004.1	2567.5	1735.3	2232.9	3527.9	2273.9	1740.0	2430.4	4004.1	
G28.0	4004.1	2521.3	1678.1	2185.3	3557.9	2232.3	1686.2	2381.0	4004.1	
G29.0	3996.2	2471.6	1619.8	2142.8	3581.7	2190.4	1628.3	2332.6	3996.2	
G30.0	3973.8	2417.6	1557.7	2092.6	3587.1	2148.5	1572.6	2285.8	3973.8	
G31.0	3949.7	2371.7	1505.9	2046.6	3582.8	2107.9	1522.6	2237.6	3949.7	
G32.0	3923.0	2320.9	1453.5	2001.6	3570.3	2059.6	1466.2	2187.2	3923.0	
G33.0	3891.4	2269.2	1398.9	1953.1	3551.3	2014.9	1419.2	2141.1	3891.4	
G34.0	3869.8	2222.2	1351.4	1907.8	3532.5	1972.5	1371.0	2095.4	3869.8	
G35.0	3843.9	2170.5	1297.7	1862.5	3513.8	1923.1	1318.1	2042.0	3843.9	
G36.0	3832.9	2122.0	1251.1	1816.7	3504.3	1880.3	1269.7	1996.7	3832.9	

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	3823.1	2079.8	1198.4	1773.5	3498.5	1831.6	1215.0	1947.6	3823.1	
G38.0	3817.5	2027.9	1143.5	1725.9	3492.4	1787.4	1162.0	1905.4	3817.5	
G39.0	3817.2	1985.7	1089.7	1682.5	3495.0	1740.6	1105.8	1858.3	3817.2	
G40.0	3818.3	1934.0	1028.2	1634.0	3495.9	1692.4	1041.5	1809.8	3818.3	
G41.0	3827.9	1887.8	966.1	1589.3	3502.4	1643.8	981.5	1758.7	3827.9	
G42.0	3832.6	1835.5	909.6	1539.9	3508.3	1595.1	924.6	1710.2	3832.6	
G43.0	3843.5	1777.2	836.8	1486.8	3515.0	1539.6	850.0	1650.1	3843.5	
G44.0	3845.2	1718.4	771.5	1430.1	3525.4	1485.0	785.1	1590.1	3845.2	
G45.0	3845.6	1656.2	701.0	1374.4	3534.9	1425.6	711.4	1520.9	3845.6	
G46.0	3845.5	1581.2	627.7	1301.3	3551.0	1359.5	647.3	1447.7	3845.5	
G47.0	3836.3	1503.7	559.3	1234.6	3567.2	1292.2	585.8	1370.6	3836.3	
G48.0	3816.7	1409.4	490.6	1151.8	3585.4	1209.6	521.5	1276.6	3816.7	
G49.0	3795.8	1320.7	436.9	1070.4	3598.3	1130.5	471.2	1191.3	3795.8	
G50.0	3770.2	1220.2	387.8	989.9	3608.8	1046.7	418.4	1100.8	3770.2	
G51.0	3729.8	1110.9	343.6	899.4	3614.0	953.5	371.9	995.9	3729.8	
G52.0	3684.1	1001.4	310.5	809.3	3610.8	871.2	336.0	902.7	3684.1	
G53.0	3621.5	898.0	284.1	723.5	3601.6	775.5	302.4	804.1	3621.5	
G54.0	3536.8	779.1	261.9	630.0	3575.8	693.9	275.8	717.6	3536.8	
G55.0	3434.0	679.4	245.1	547.1	3536.5	611.6	253.9	634.4	3434.0	
G56.0	3297.7	575.8	230.2	475.6	3461.0	527.6	234.1	553.3	3297.7	
G57.0	3138.9	493.1	216.8	410.1	3365.9	467.0	217.8	479.3	3138.9	
G58.0	2947.0	427.0	206.1	362.1	3218.3	402.6	204.5	425.1	2947.0	
G59.0	2705.6	366.2	195.1	317.0	3052.9	351.5	193.7	377.6	2705.6	
G60.0	2448.0	322.9	184.0	288.4	2832.1	313.8	184.8	335.5	2448.0	
G61.0	2137.9	290.4	173.6	263.3	2511.5	278.1	174.6	301.1	2137.9	
G62.0	1781.6	264.0	164.4	241.9	2181.5	252.3	165.1	272.1	1781.6	
G63.0	1455.2	244.2	158.2	227.8	1805.2	231.5	158.6	248.8	1455.2	
G64.0	1097.3	229.3	148.4	212.2	1398.9	212.5	149.2	230.2	1097.3	
G65.0	824.0	216.2	143.0	200.9	1026.0	199.0	143.0	214.2	824.0	
G66.0	587.1	203.9	139.8	190.3	702.3	186.5	138.3	200.1	587.1	
G67.0	404.0	191.1	136.6	179.4	476.5	175.3	136.1	190.3	404.0	
G68.0	293.9	181.6	135.7	171.0	322.6	166.3	133.9	179.0	293.9	
G69.0	221.5	172.3	134.2	162.9	226.9	159.1	131.7	169.5	221.5	
G70.0	180.2	162.0	133.9	153.6	182.8	149.9	130.3	160.3	180.2	
G71.0	158.3	155.1	132.3	145.3	158.6	142.0	129.6	153.9	158.3	
G72.0	144.6	144.0	131.3	136.1	148.9	133.3	128.7	145.8	144.6	
G73.0	135.5	134.0	129.7	128.8	140.1	126.1	126.5	137.8	135.5	

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	129.4	121.3	127.1	118.7	133.7	116.3	124.1	127.0	129.4	
G75.0	121.8	109.5	123.5	107.2	128.1	105.3	120.6	114.9	121.8	
G76.0	107.1	97.6	119.8	97.3	108.0	95.2	116.7	103.0	107.1	
G77.0	86.0	88.0	114.0	86.9	81.1	82.3	109.4	92.6	86.0	
G78.0	68.5	79.1	105.1	78.9	66.7	74.5	102.3	82.9	68.5	
G79.0	59.2	72.4	96.4	71.6	56.5	68.1	93.2	75.6	59.2	
G80.0	51.4	63.0	83.5	63.5	48.5	61.3	82.3	67.8	51.4	
G81.0	45.1	53.8	72.7	55.1	41.9	54.5	72.1	59.0	45.1	
G82.0	39.3	43.8	60.7	47.3	37.0	47.1	59.0	48.5	39.3	
G83.0	35.8	33.8	49.1	35.8	32.7	38.1	48.3	38.7	35.8	
G84.0	32.4	26.3	37.5	25.2	28.5	29.8	38.7	30.3	32.4	
G85.0	28.8	20.0	26.9	18.5	25.5	21.6	27.2	22.5	28.8	
G86.0	23.9	15.9	17.6	14.7	21.1	17.3	19.9	16.8	23.9	
G87.0	19.6	11.8	12.5	9.5	14.8	13.2	13.9	12.9	19.6	
G88.0	14.4	8.6	8.1	7.5	9.6	9.2	8.7	9.3	14.4	
G89.0	10.7	6.0	5.8	5.1	6.0	5.5	6.0	6.1	10.7	
G90.0	9.9	5.8	4.7	4.7	5.3	3.5	5.2	4.9	9.9	
G91.0	9.8	5.3	4.6	3.7	4.9	4.9	3.8	4.7	9.8	
G92.0	10.3	4.9	4.0	4.3	5.1	2.0	3.1	4.1	10.3	
G93.0	8.9	5.3	4.6	4.3	5.8	2.9	3.7	4.1	8.9	
G94.0	8.1	5.1	3.7	4.3	4.9	4.1	4.3	4.3	8.1	
G95.0	7.3	4.7	3.8	3.2	6.0	4.4	3.4	4.7	7.3	
G96.0	8.3	5.2	3.8	4.9	6.4	2.9	3.7	4.3	8.3	
G97.0	8.3	4.3	2.3	4.7	6.3	5.1	2.5	4.4	8.3	
G98.0	8.6	5.5	4.4	4.4	7.2	4.9	4.0	4.3	8.6	
G99.0	8.6	3.2	4.9	5.2	7.3	4.7	2.5	5.5	8.6	
G100.0	8.7	6.1	4.7	4.7	7.2	5.3	3.5	5.3	8.7	
G101.0	9.3	6.1	4.0	5.8	8.3	5.5	4.1	5.1	9.3	
G102.0	9.8	5.8	4.6	4.1	8.7	5.8	3.1	4.3	9.8	
G103.0	10.4	6.3	5.2	6.0	8.9	5.7	3.5	4.4	10.4	
G104.0	10.1	7.0	5.2	5.7	9.5	6.0	3.4	4.6	10.1	
G105.0	10.7	6.6	5.2	6.6	10.1	5.8	4.6	6.1	10.7	
G106.0	11.8	6.4	5.2	6.4	10.6	6.3	3.8	5.5	11.8	
G107.0	11.2	7.3	5.1	6.4	10.9	7.7	3.5	6.7	11.2	
G108.0	11.6	8.0	6.1	7.5	11.3	6.9	5.3	5.8	11.6	
G109.0	13.2	5.2	5.8	7.7	11.6	7.5	5.2	7.3	13.2	
G110.0	13.2	9.0	5.3	7.8	12.7	8.1	4.9	7.5	13.2	

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	13.9	8.7	6.1	8.1	12.9	8.4	5.8	6.7	13.9	
G112.0	14.1	9.3	6.4	8.7	12.7	8.6	5.5	8.0	14.1	
G113.0	15.8	10.1	6.4	8.4	13.2	8.4	4.7	7.3	15.8	
G114.0	15.8	10.4	6.9	9.6	13.6	9.6	4.6	8.9	15.8	
G115.0	16.2	11.0	5.2	10.4	15.3	10.3	6.4	8.3	16.2	
G116.0	16.8	10.9	6.3	10.3	14.8	10.9	6.3	9.2	16.8	
G117.0	17.4	11.8	6.7	10.9	15.9	9.6	6.3	9.9	17.4	
G118.0	18.2	11.3	7.8	10.7	16.4	11.9	6.1	10.6	18.2	
G119.0	19.0	12.5	8.3	12.2	16.7	11.5	5.7	11.3	19.0	
G120.0	18.2	13.6	8.0	11.8	17.8	11.0	6.9	10.7	18.2	
G121.0	20.4	13.3	6.7	12.7	17.4	11.8	7.8	11.6	20.4	
G122.0	21.0	13.5	8.3	13.3	19.0	13.0	8.0	12.2	21.0	
G123.0	21.0	14.8	9.6	13.6	19.0	13.8	7.8	12.7	21.0	
G124.0	20.2	14.4	8.7	14.4	18.5	13.6	8.7	12.9	20.2	
G125.0	21.4	16.1	9.3	15.0	20.0	15.0	8.4	14.1	21.4	
G126.0	21.6	16.4	9.5	15.8	20.4	15.3	9.0	14.5	21.6	
G127.0	22.2	15.9	10.7	16.5	20.8	16.4	9.2	15.4	22.2	
G128.0	22.8	16.1	9.8	15.8	21.9	16.1	9.6	15.6	22.8	
G129.0	22.2	17.4	11.0	15.0	21.6	17.4	9.9	15.4	22.2	
G130.0	21.9	18.4	10.6	17.9	22.5	18.7	10.7	16.1	21.9	
G131.0	22.8	18.5	11.9	17.9	21.4	18.5	11.5	17.3	22.8	
G132.0	23.4	17.8	12.2	17.9	23.1	19.7	11.2	17.3	23.4	
G133.0	24.0	19.3	13.2	19.0	23.4	19.9	11.8	18.0	24.0	
G134.0	23.9	18.8	13.6	20.2	23.0	20.8	12.1	19.0	23.9	
G135.0	23.7	19.0	12.9	19.3	23.9	20.5	13.0	18.4	23.7	
G136.0	24.5	20.4	14.1	20.4	24.0	20.8	13.2	19.0	24.5	
G137.0	24.2	19.7	12.5	19.9	24.5	20.6	12.2	19.1	24.2	
G138.0	24.9	19.4	15.1	20.8	24.3	21.9	13.8	19.0	24.9	
G139.0	24.8	20.5	15.6	21.6	24.6	21.4	14.5	19.6	24.8	
G140.0	25.2	20.8	16.1	21.6	24.8	23.1	14.5	20.8	25.2	
G141.0	25.1	21.7	17.1	22.8	25.5	23.4	15.4	19.9	25.1	
G142.0	25.5	21.4	16.8	22.8	24.6	23.0	16.2	20.0	25.5	
G143.0	25.9	22.3	17.8	22.8	26.6	23.1	16.5	20.4	25.9	
G144.0	27.1	22.8	18.4	24.5	26.0	23.9	18.2	21.7	27.1	
G145.0	26.6	23.0	18.4	24.2	27.5	24.8	16.7	21.4	26.6	
G146.0	26.5	23.1	18.4	24.8	26.9	24.6	17.8	22.0	26.5	
G147.0	26.9	24.2	19.3	24.8	27.1	25.5	19.1	22.3	26.9	

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	27.7	24.0	19.7	25.5	27.4	26.2	19.1	22.6	27.7	
G149.0	27.2	24.6	20.6	26.2	27.5	25.4	19.7	23.6	27.2	
G150.0	27.2	24.3	21.6	26.5	27.5	26.0	20.4	23.3	27.2	
G151.0	28.6	25.1	21.6	27.2	27.7	26.2	20.6	23.3	28.6	
G152.0	26.9	24.8	21.4	26.6	27.2	26.0	21.0	24.2	26.9	
G153.0	27.8	25.2	23.0	26.2	28.6	26.3	21.4	24.0	27.8	
G154.0	27.8	25.9	23.4	27.7	28.6	26.8	21.9	24.6	27.8	
G155.0	27.4	25.7	24.2	27.4	27.8	28.3	23.1	24.8	27.4	
G156.0	28.3	25.9	24.0	28.1	27.5	26.9	24.2	25.7	28.3	
G157.0	28.6	26.3	25.2	27.7	27.8	26.6	23.9	25.5	28.6	
G158.0	28.6	26.2	24.6	28.0	28.5	28.5	25.2	24.8	28.6	
G159.0	28.6	27.1	25.9	27.8	27.7	27.7	24.6	25.9	28.6	
G160.0	27.4	27.2	26.0	29.7	27.7	28.5	25.9	25.1	27.4	
G161.0	28.6	27.5	26.2	28.9	26.9	29.2	25.9	26.0	28.6	
G162.0	27.7	27.8	26.5	27.8	27.4	28.6	26.6	26.0	27.7	
G163.0	28.1	27.5	27.1	29.4	25.9	28.9	26.8	26.2	28.1	
G164.0	27.8	27.4	27.7	29.2	26.3	29.4	25.5	26.6	27.8	
G165.0	28.8	28.3	28.3	28.6	25.5	28.9	25.9	26.3	28.8	
G166.0	27.2	27.8	28.6	28.5	24.6	28.8	26.5	26.8	27.2	
G167.0	28.0	27.5	29.7	28.8	24.5	28.5	26.9	26.5	28.0	
G168.0	28.5	27.8	30.0	29.2	24.5	28.9	26.6	26.5	28.5	
G169.0	28.8	28.9	29.5	29.7	24.3	28.6	27.4	26.9	28.8	
G170.0	28.8	28.5	29.7	28.8	23.7	29.1	26.8	26.3	28.8	
G171.0	29.1	28.6	31.1	29.2	24.3	27.7	27.4	25.7	29.1	
G172.0	29.1	28.9	30.8	28.9	24.2	28.0	25.5	24.9	29.1	
G173.0	29.4	29.2	30.3	29.2	23.9	27.8	26.6	26.3	29.4	
G174.0	29.5	29.1	30.6	28.6	22.8	26.9	26.5	26.5	29.5	
G175.0	28.8	29.4	31.1	29.7	23.1	27.8	26.6	25.2	28.8	
G176.0	29.7	28.8	30.8	28.8	24.3	27.5	26.3	25.9	29.7	
G177.0	30.1	29.4	31.2	29.5	25.2	28.8	27.1	25.7	30.1	
G178.0	30.1	29.5	32.6	29.8	24.5	26.9	27.1	26.8	30.1	
G179.0	28.1	28.9	31.2	28.9	26.0	28.3	29.4	27.7	28.1	
G180.0	28.9	28.1	31.7	28.5	27.8	28.9	30.1	27.8	28.9	

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: