

Report No.:

Test Time: 2025-12-12 14:22

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: SSL319A-900W

Lamp Catalog:

Number of Lamps:

Luminous Length (mm):

Luminous Height (mm): -

Current: 0.0000 A

Power Factor: 0.0000

Luminaire Description: 1.45A

Lamp Description:

Lumens per Lamp:

Luminous Width (mm):

Voltage: 0.00 V

Power: 0.00 W

Photometric Results

CIE Class: Direct

Measurement Flux: 8585.2 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(50%): H124.5

Vertical Diffuse Angle(50%): V64.4

Luminous Efficacy (lm/w): 8585.20

Max. Intensity: 5025.28 cd

S/MH(C0/C180): 1.85

Total Rated Lamp Lumens: 8585.2 lm

Efficiency: 100%

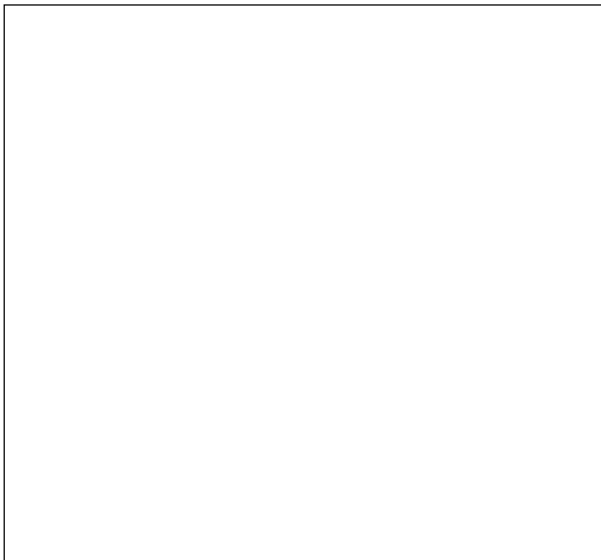
Upward Ratio: 1%

C0r0 Intensity: 3651.5 cd

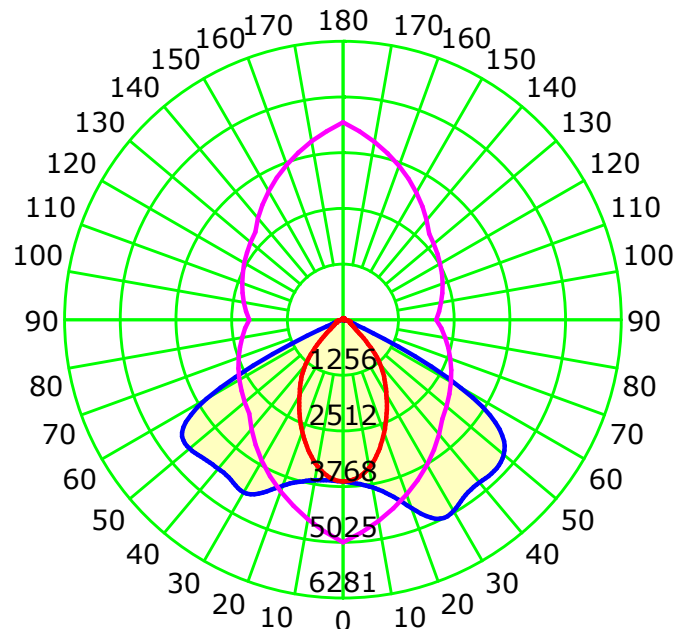
Pos of Max. Intensity: H0 V28

S/MH(C90/C270): 0.90

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 94.2°

— C0-C180 — C90-C270 — G28

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

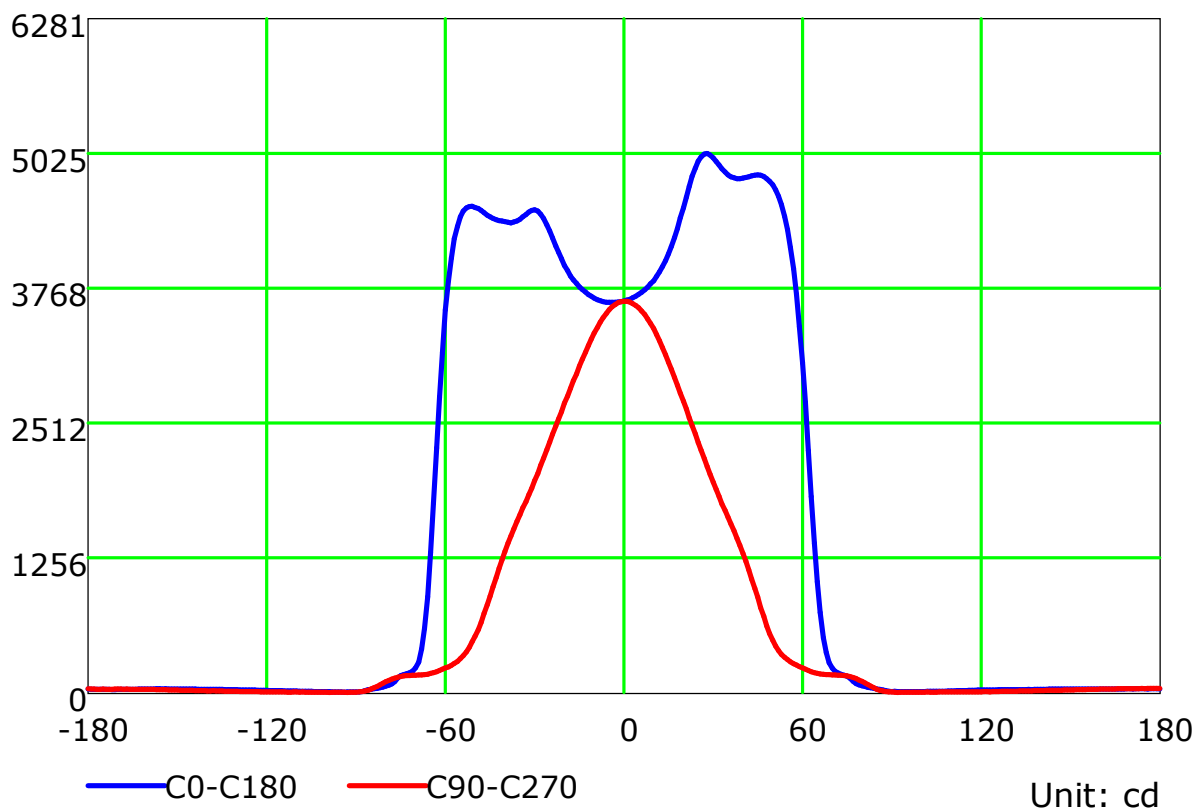
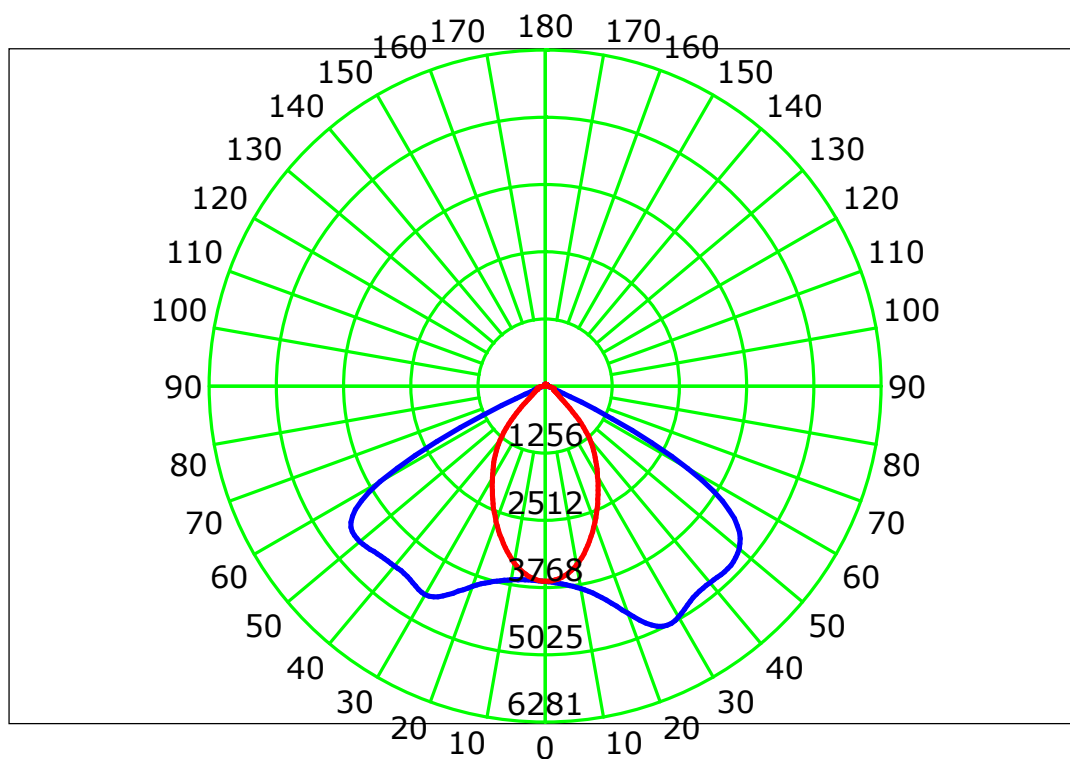
Test Device: GPM-1600L

Distance: 9.903 m [K=1.0000]

Humidity:

Inspector:

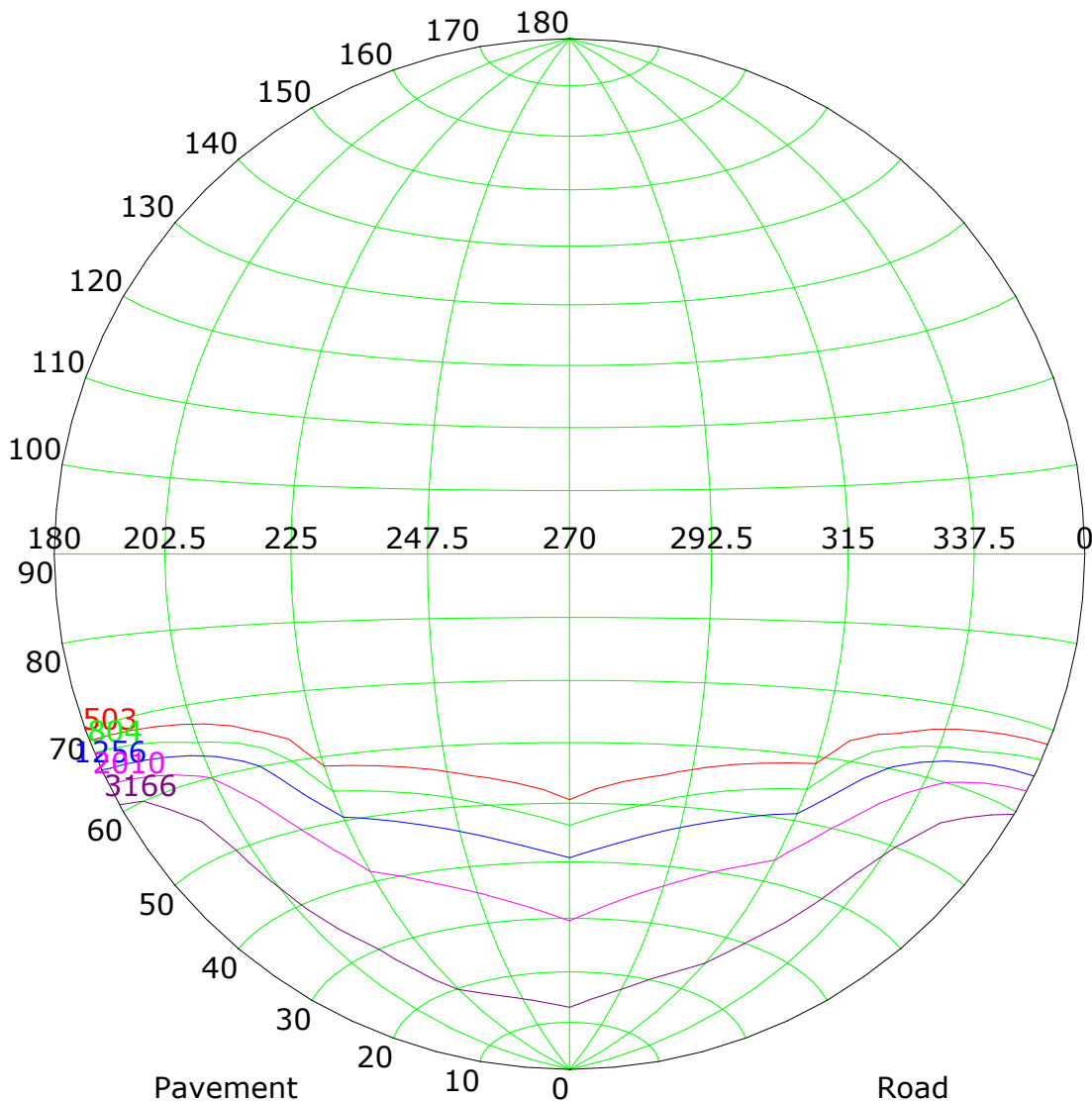
Luminous Intensity Distribution Curve



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%): 5025 cd

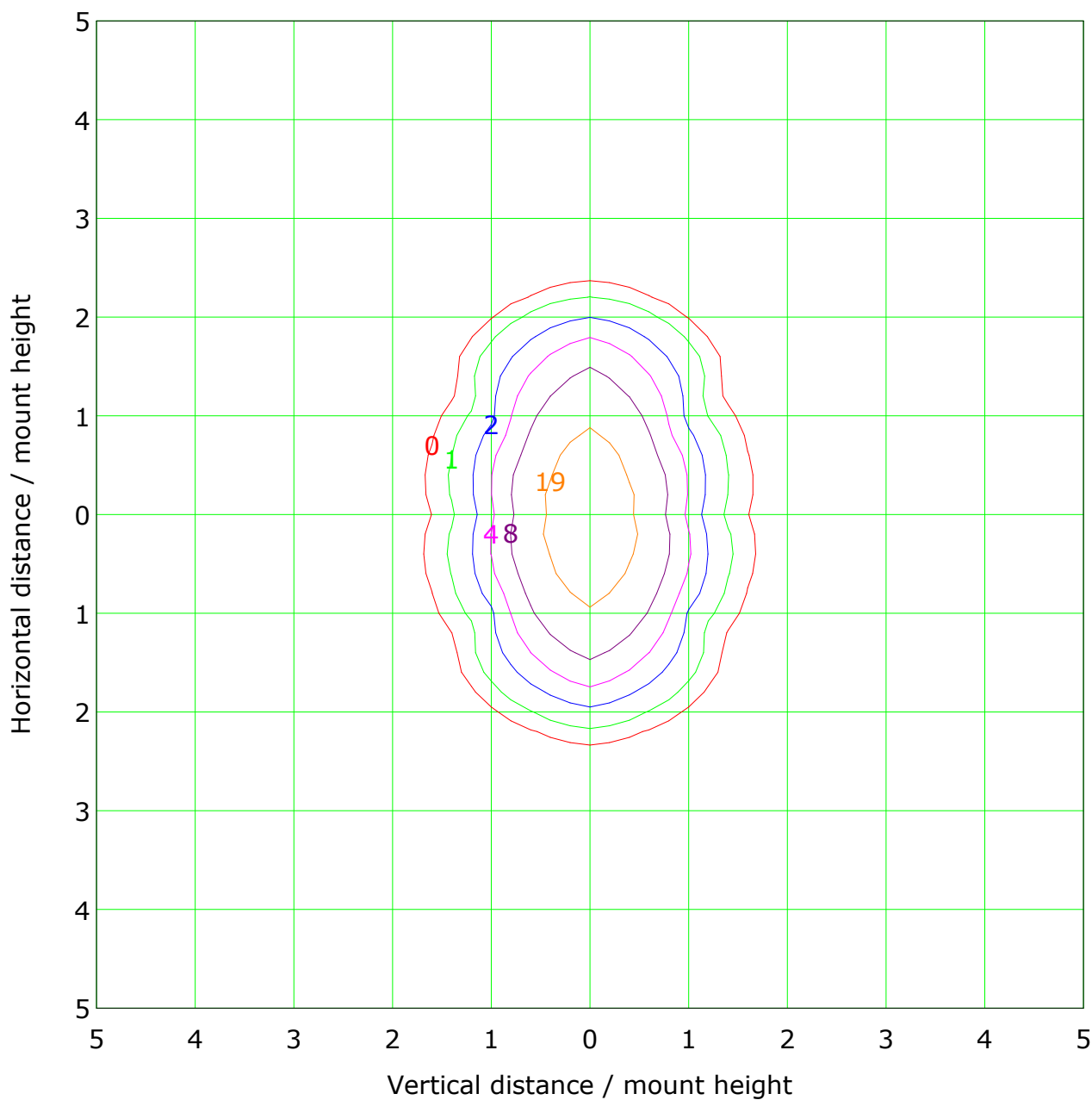
(10%): 503 cd
(25%): 1256 cd
(63%): 3166 cd

(16%): 804 cd
(40%): 2010 cd
(100%): 5025 cd

CIE: narrow - short
CIE: Full-cut-off luminaire
Max.At90: 1.390 cd/klm

IES: Cut-off
Max.At80: 12.259 cd/klm
Max.80-90: 12.259 cd/klm

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 37.6 lx

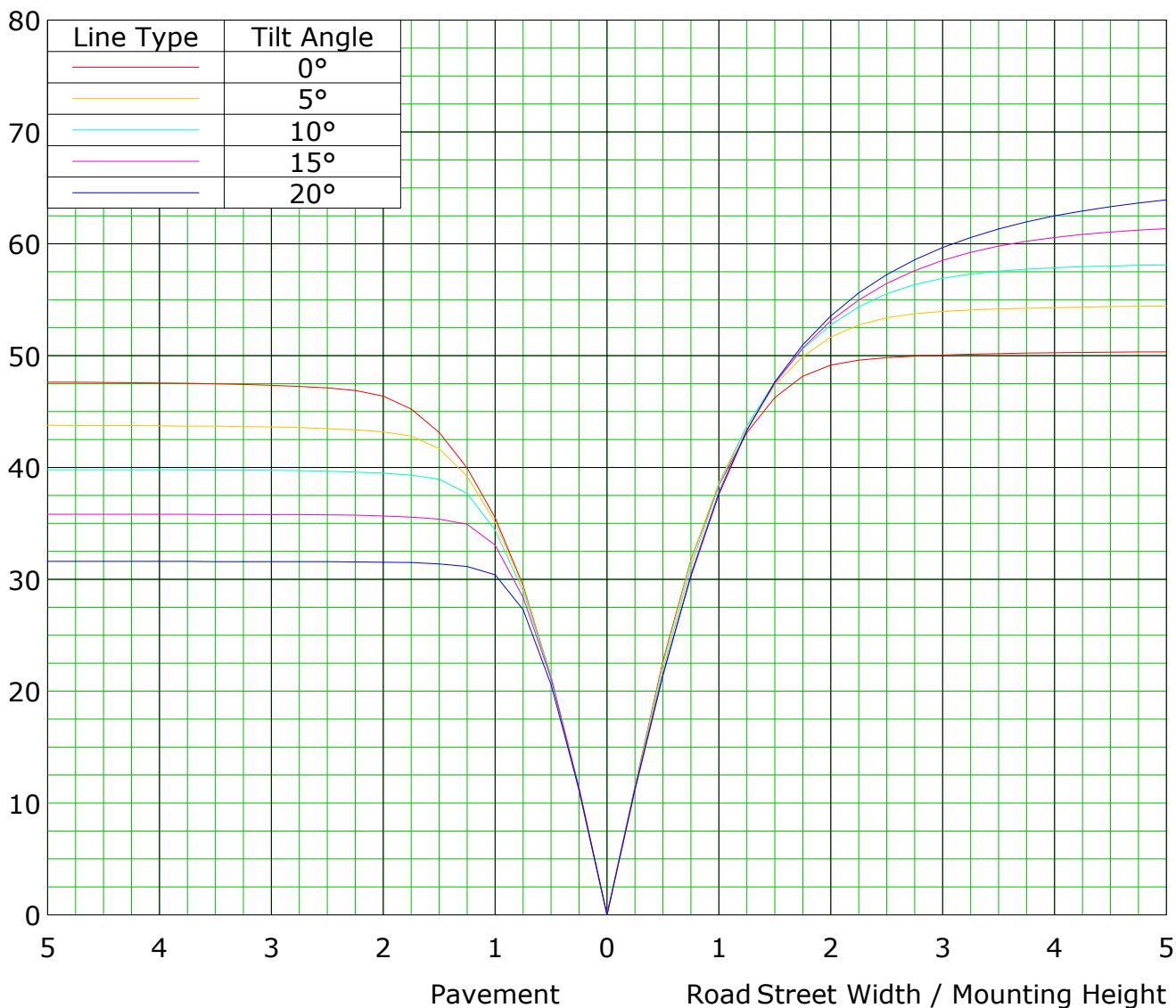
(1%): 0.4 lx	(2%): 0.8 lx
(5%): 1.9 lx	(10%): 3.8 lx
(20%): 7.5 lx	(50%): 18.8 lx
(100%): 37.6 lx	

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(%)



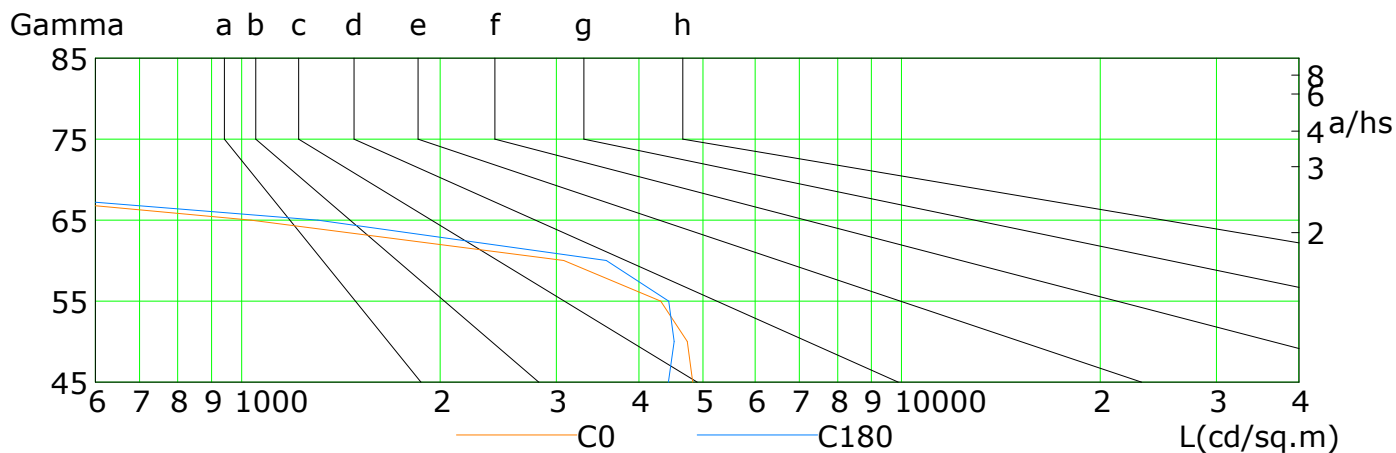
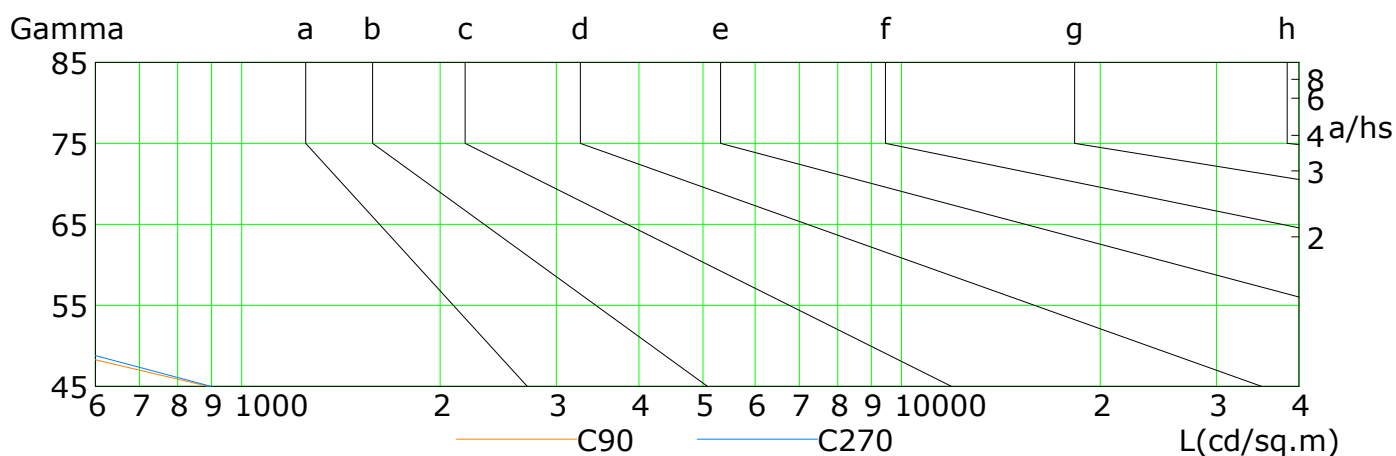
C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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

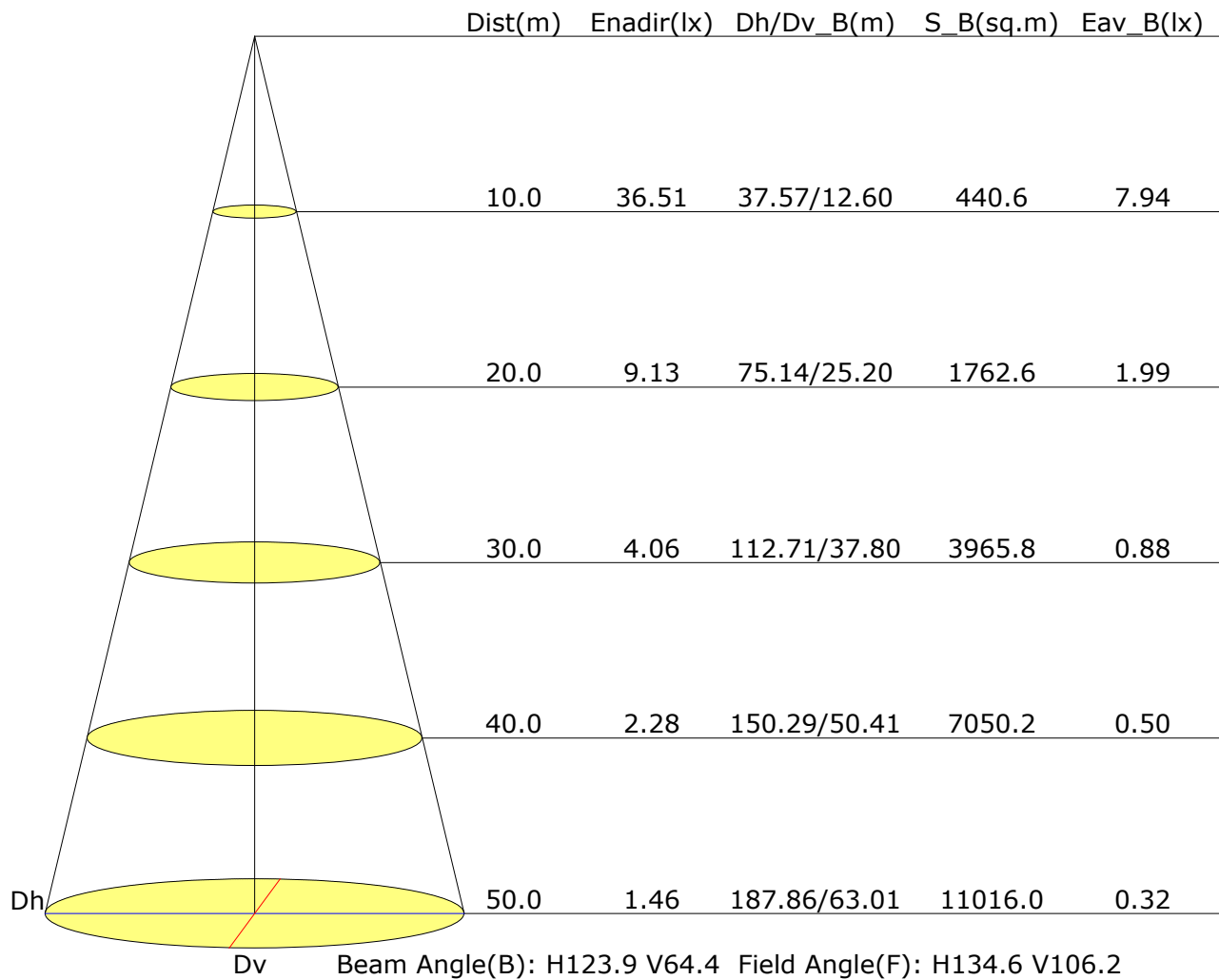


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	4827	4734	4317	3076	1033	228	154	64	35
C90	890	486	309	231	180	166	156	105	32
C180	4435	4523	4436	3568	1304	230	160	62	32
C270	899	527	318	232	179	163	152	102	34

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

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

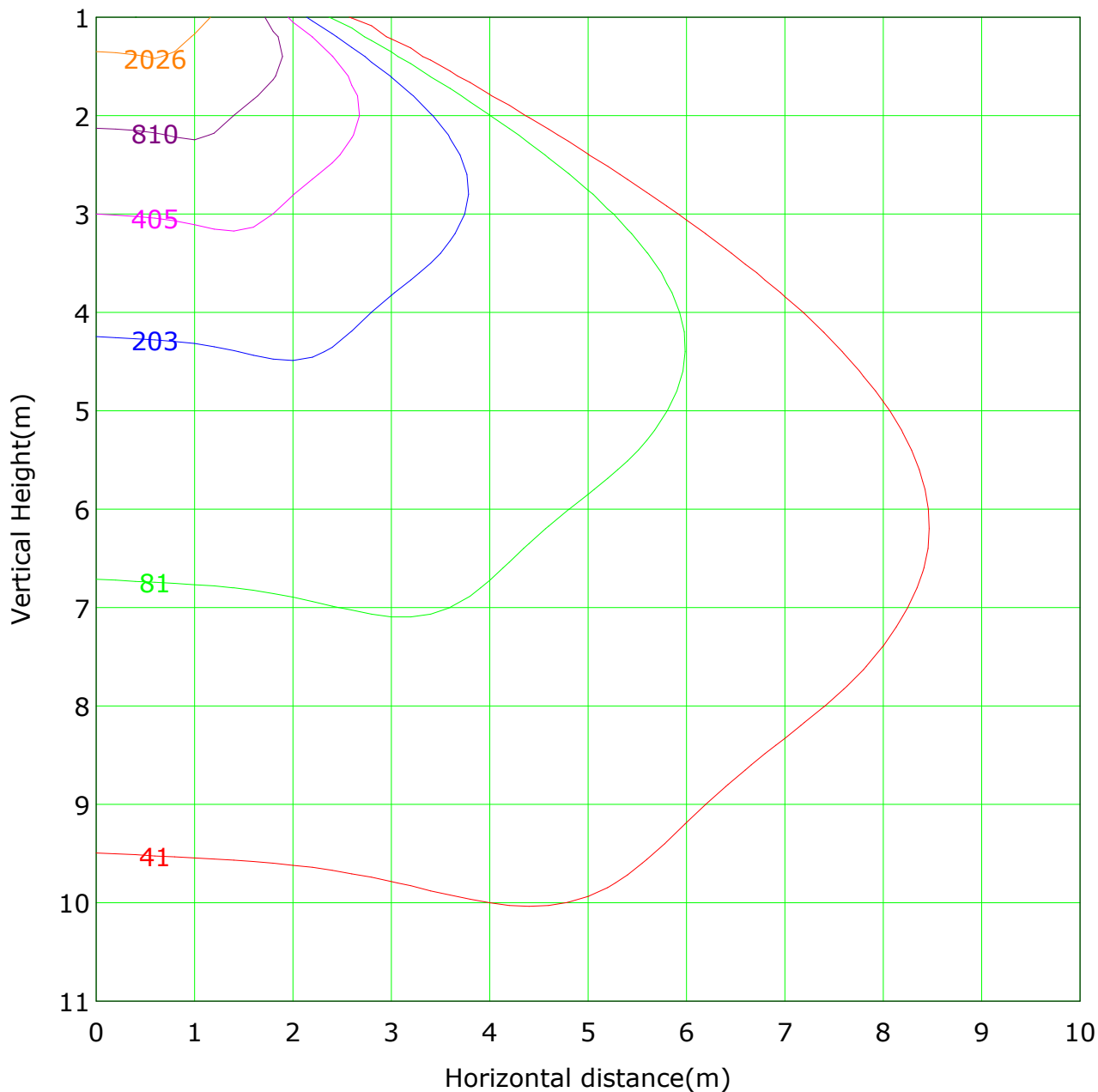
Illuminance at a Distance



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: 4051.9 lx

— (1%): 40.5 lx	— (2%): 81.0 lx
— (5%): 202.6 lx	— (10%): 405.2 lx
— (20%): 810.4 lx	— (50%): 2026.0 lx
— (100%): 4051.9 lx	

Area Flux Table

Unit: lm

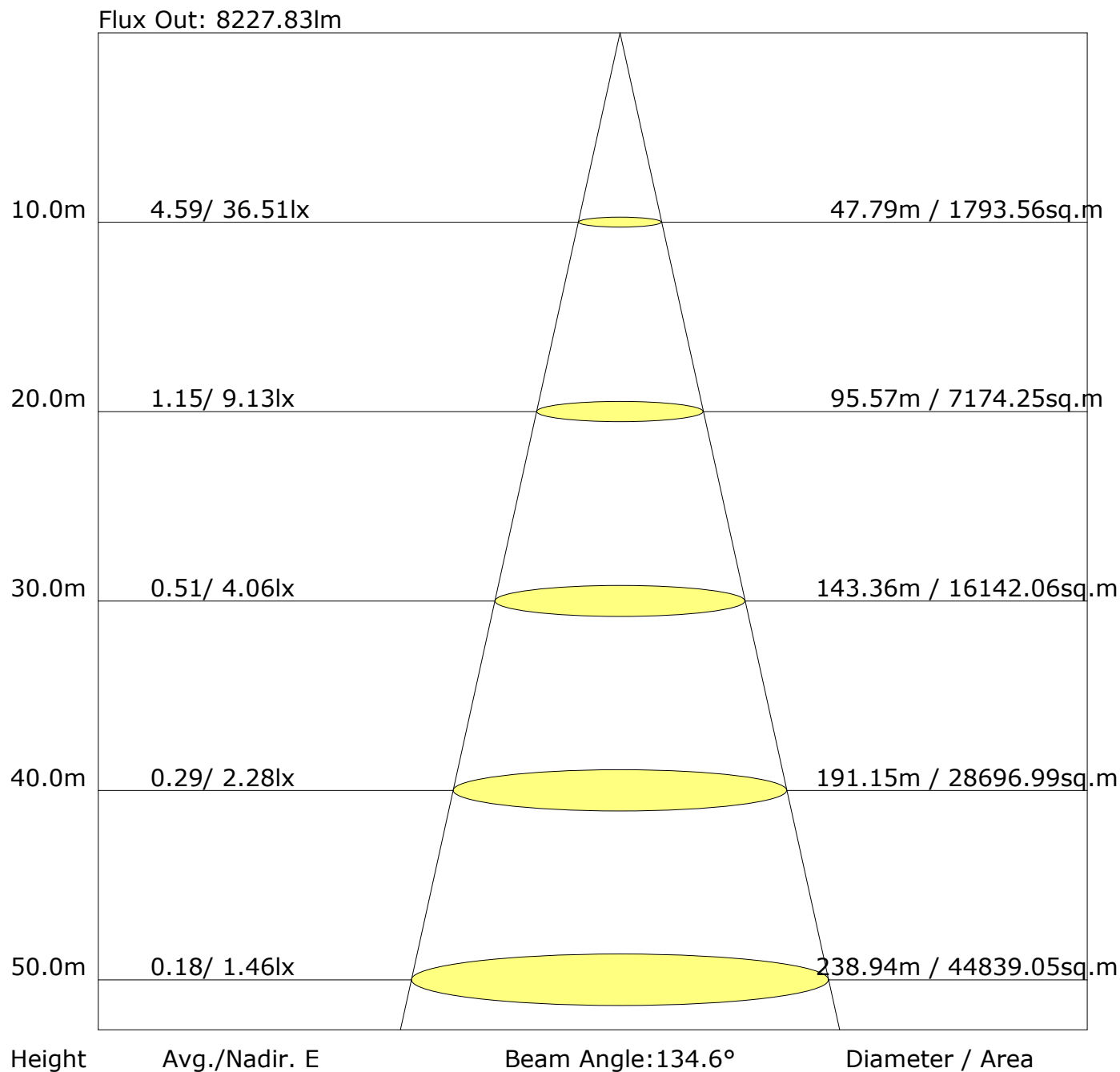
Vertical plane		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
Flux(E)		0.0	0.1	0.2	0.3	0.4	0.6	0.9	1.1	1.2	1.2	1.1	0.9	0.7	0.5	0.3	0.2	0.1	0.0	0.0
Flux(T)		1.3	11.6	105.0	432.6	608.7	678.1	744.8	770.4	766.0	788.0	835.7	832.3	747.6	642.7	408.6	90.8	11.9	1.5	8477
Flux(E)		0.0	0.0	79.7	412.1	585.8	645.1	710.2	734.1	725.5	747.8	799.9	797.9	714.5	561.7	386.8	64.1	0.0	0.0	8021

Horizontal plane

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:

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 8585lm ($8\log(F/F_0) = 7.5$).

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	3649.0	3.5	3.5	0.04	0.04
1.0-2.0	3647.4	10.5	14.0	0.12	0.16
2.0-3.0	3643.9	17.4	31.4	0.20	0.37
3.0-4.0	3638.8	24.4	55.8	0.28	0.65
4.0-5.0	3631.7	31.2	87.0	0.36	1.01
5.0-6.0	3622.5	38.1	125.1	0.44	1.46
6.0-7.0	3611.7	44.8	169.9	0.52	1.98
7.0-8.0	3599.0	51.5	221.4	0.60	2.58
8.0-9.0	3584.7	58.1	279.5	0.68	3.26
9.0-10.0	3570.2	64.6	344.1	0.75	4.01
10.0-11.0	3554.4	71.0	415.2	0.83	4.84
11.0-12.0	3537.4	77.3	492.5	0.90	5.74
12.0-13.0	3519.9	83.5	576.1	0.97	6.71
13.0-14.0	3501.9	89.6	665.7	1.04	7.75
14.0-15.0	3484.4	95.7	761.4	1.11	8.87
15.0-16.0	3466.5	101.6	863.0	1.18	10.05
16.0-17.0	3448.6	107.4	970.4	1.25	11.30
17.0-18.0	3431.5	113.2	1083.5	1.32	12.62
18.0-19.0	3414.9	118.8	1202.4	1.38	14.00
19.0-20.0	3398.5	124.4	1326.8	1.45	15.45
20.0-21.0	3382.3	129.9	1456.7	1.51	16.97
21.0-22.0	3365.1	135.2	1591.9	1.58	18.54
22.0-23.0	3346.6	140.4	1732.3	1.64	20.18
23.0-24.0	3325.9	145.4	1877.8	1.69	21.87
24.0-25.0	3300.9	150.1	2027.9	1.75	23.62
25.0-26.0	3271.6	154.5	2182.3	1.80	25.42
26.0-27.0	3236.9	158.4	2340.7	1.84	27.26
27.0-28.0	3198.2	161.9	2502.7	1.89	29.15
28.0-29.0	3155.5	165.1	2667.8	1.92	31.07
29.0-30.0	3107.6	167.8	2835.6	1.95	33.03
30.0-31.0	3057.4	170.2	3005.8	1.98	35.01
31.0-32.0	3006.5	172.3	3178.0	2.01	37.02
32.0-33.0	2953.5	174.0	3352.0	2.03	39.04
33.0-34.0	2901.3	175.6	3527.6	2.05	41.09
34.0-35.0	2849.6	177.0	3704.6	2.06	43.15
35.0-36.0	2798.6	178.2	3882.9	2.08	45.23

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	2750.6	179.4	4062.3	2.09	47.32
37.0-38.0	2702.9	180.4	4242.7	2.10	49.42
38.0-39.0	2656.6	181.4	4424.1	2.11	51.53
39.0-40.0	2609.6	182.0	4606.1	2.12	53.65
40.0-41.0	2561.5	182.4	4788.5	2.12	55.78
41.0-42.0	2513.8	182.7	4971.2	2.13	57.90
42.0-43.0	2461.7	182.4	5153.6	2.12	60.03
43.0-44.0	2406.5	181.7	5335.2	2.12	62.14
44.0-45.0	2349.0	180.6	5515.8	2.10	64.25
45.0-46.0	2287.6	178.9	5694.7	2.08	66.33
46.0-47.0	2224.6	177.0	5871.7	2.06	68.39
47.0-48.0	2154.6	174.2	6045.9	2.03	70.42
48.0-49.0	2081.3	170.9	6216.8	1.99	72.41
49.0-50.0	2008.8	167.5	6384.3	1.95	74.36
50.0-51.0	1931.4	163.4	6547.7	1.90	76.27
51.0-52.0	1851.9	158.9	6706.7	1.85	78.12
52.0-53.0	1771.8	154.1	6860.8	1.80	79.91
53.0-54.0	1688.4	148.8	7009.6	1.73	81.65
54.0-55.0	1604.8	143.3	7152.9	1.67	83.32
55.0-56.0	1517.4	137.1	7290.1	1.60	84.91
56.0-57.0	1427.6	130.5	7420.6	1.52	86.43
57.0-58.0	1336.9	123.6	7544.3	1.44	87.88
58.0-59.0	1240.2	116.0	7660.2	1.35	89.23
59.0-60.0	1138.9	107.6	7767.8	1.25	90.48
60.0-61.0	1026.8	98.0	7865.8	1.14	91.62
61.0-62.0	903.6	87.1	7952.9	1.01	92.64
62.0-63.0	776.5	75.5	8028.4	0.88	93.51
63.0-64.0	646.2	63.4	8091.9	0.74	94.25
64.0-65.0	523.5	51.8	8143.7	0.60	94.86
65.0-66.0	418.8	41.8	8185.5	0.49	95.34
66.0-67.0	333.8	33.6	8219.0	0.39	95.73
67.0-68.0	273.1	27.7	8246.7	0.32	96.06
68.0-69.0	232.6	23.7	8270.4	0.28	96.33
69.0-70.0	206.1	21.2	8291.6	0.25	96.58
70.0-71.0	190.1	19.6	8311.2	0.23	96.81
71.0-72.0	179.1	18.6	8329.9	0.22	97.03

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	169.9	17.8	8347.6	0.21	97.23
73.0-74.0	160.9	16.9	8364.6	0.20	97.43
74.0-75.0	151.3	16.0	8380.5	0.19	97.62
75.0-76.0	139.1	14.8	8395.3	0.17	97.79
76.0-77.0	123.8	13.2	8408.5	0.15	97.94
77.0-78.0	109.2	11.7	8420.2	0.14	98.08
78.0-79.0	97.4	10.5	8430.7	0.12	98.20
79.0-80.0	86.8	9.4	8440.0	0.11	98.31
80.0-81.0	76.2	8.2	8448.3	0.10	98.41
81.0-82.0	65.4	7.1	8455.4	0.08	98.49
82.0-83.0	54.0	5.9	8461.2	0.07	98.56
83.0-84.0	43.3	4.7	8465.9	0.05	98.61
84.0-85.0	33.8	3.7	8469.6	0.04	98.65
85.0-86.0	26.0	2.8	8472.5	0.03	98.69
86.0-87.0	19.9	2.2	8474.7	0.03	98.71
87.0-88.0	14.2	1.6	8476.2	0.02	98.73
88.0-89.0	9.8	1.1	8477.3	0.01	98.74
89.0-90.0	7.4	0.8	8478.1	0.01	98.75
90.0-91.0	6.3	0.7	8478.8	0.01	98.76
91.0-92.0	5.7	0.6	8479.4	0.01	98.77
92.0-93.0	5.1	0.6	8480.0	0.01	98.77
93.0-94.0	5.3	0.6	8480.6	0.01	98.78
94.0-95.0	5.6	0.6	8481.2	0.01	98.79
95.0-96.0	5.5	0.6	8481.8	0.01	98.80
96.0-97.0	5.8	0.6	8482.4	0.01	98.80
97.0-98.0	6.0	0.6	8483.1	0.01	98.81
98.0-99.0	6.0	0.6	8483.7	0.01	98.82
99.0-100.0	6.4	0.7	8484.4	0.01	98.83
100.0-101.0	6.7	0.7	8485.1	0.01	98.83
101.0-102.0	7.1	0.8	8485.9	0.01	98.84
102.0-103.0	7.7	0.8	8486.7	0.01	98.85
103.0-104.0	7.9	0.8	8487.5	0.01	98.86
104.0-105.0	7.9	0.8	8488.4	0.01	98.87
105.0-106.0	8.2	0.9	8489.3	0.01	98.88
106.0-107.0	8.6	0.9	8490.2	0.01	98.89
107.0-108.0	9.1	1.0	8491.1	0.01	98.90

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	9.6	1.0	8492.1	0.01	98.92
109.0-110.0	9.8	1.0	8493.1	0.01	98.93
110.0-111.0	10.3	1.1	8494.2	0.01	98.94
111.0-112.0	10.6	1.1	8495.3	0.01	98.95
112.0-113.0	11.0	1.1	8496.4	0.01	98.97
113.0-114.0	11.7	1.2	8497.6	0.01	98.98
114.0-115.0	12.4	1.2	8498.8	0.01	98.99
115.0-116.0	13.0	1.3	8500.1	0.01	99.01
116.0-117.0	13.4	1.3	8501.4	0.02	99.02
117.0-118.0	13.8	1.3	8502.8	0.02	99.04
118.0-119.0	14.4	1.4	8504.1	0.02	99.06
119.0-120.0	14.9	1.4	8505.6	0.02	99.07
120.0-121.0	15.5	1.5	8507.0	0.02	99.09
121.0-122.0	16.1	1.5	8508.5	0.02	99.11
122.0-123.0	16.6	1.5	8510.1	0.02	99.12
123.0-124.0	17.1	1.6	8511.6	0.02	99.14
124.0-125.0	17.9	1.6	8513.2	0.02	99.16
125.0-126.0	18.4	1.6	8514.9	0.02	99.18
126.0-127.0	18.9	1.7	8516.6	0.02	99.20
127.0-128.0	19.5	1.7	8518.3	0.02	99.22
128.0-129.0	19.8	1.7	8520.0	0.02	99.24
129.0-130.0	20.4	1.7	8521.7	0.02	99.26
130.0-131.0	21.2	1.8	8523.4	0.02	99.28
131.0-132.0	21.7	1.8	8525.2	0.02	99.30
132.0-133.0	22.1	1.8	8527.0	0.02	99.32
133.0-134.0	22.5	1.8	8528.8	0.02	99.34
134.0-135.0	23.2	1.8	8530.6	0.02	99.36
135.0-136.0	23.7	1.8	8532.4	0.02	99.39
136.0-137.0	23.9	1.8	8534.3	0.02	99.41
137.0-138.0	24.5	1.8	8536.1	0.02	99.43
138.0-139.0	25.1	1.8	8537.9	0.02	99.45
139.0-140.0	25.5	1.8	8539.7	0.02	99.47
140.0-141.0	26.1	1.8	8541.5	0.02	99.49
141.0-142.0	26.7	1.8	8543.3	0.02	99.51
142.0-143.0	27.1	1.8	8545.2	0.02	99.53
143.0-144.0	27.4	1.8	8546.9	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 [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	27.9	1.8	8548.7	0.02	99.57
145.0-146.0	28.4	1.8	8550.5	0.02	99.60
146.0-147.0	28.8	1.7	8552.2	0.02	99.62
147.0-148.0	29.2	1.7	8553.9	0.02	99.64
148.0-149.0	29.6	1.7	8555.6	0.02	99.66
149.0-150.0	30.3	1.7	8557.3	0.02	99.68
150.0-151.0	30.8	1.7	8559.0	0.02	99.69
151.0-152.0	31.1	1.6	8560.6	0.02	99.71
152.0-153.0	31.3	1.6	8562.2	0.02	99.73
153.0-154.0	31.6	1.5	8563.8	0.02	99.75
154.0-155.0	32.0	1.5	8565.3	0.02	99.77
155.0-156.0	32.5	1.5	8566.7	0.02	99.78
156.0-157.0	33.0	1.4	8568.2	0.02	99.80
157.0-158.0	33.2	1.4	8569.6	0.02	99.82
158.0-159.0	33.3	1.3	8570.9	0.02	99.83
159.0-160.0	33.6	1.3	8572.2	0.02	99.85
160.0-161.0	34.0	1.2	8573.4	0.01	99.86
161.0-162.0	34.0	1.2	8574.6	0.01	99.88
162.0-163.0	34.1	1.1	8575.8	0.01	99.89
163.0-164.0	34.3	1.1	8576.8	0.01	99.90
164.0-165.0	34.2	1.0	8577.8	0.01	99.91
165.0-166.0	34.2	0.9	8578.8	0.01	99.92
166.0-167.0	34.2	0.9	8579.6	0.01	99.94
167.0-168.0	34.3	0.8	8580.5	0.01	99.94
168.0-169.0	34.6	0.8	8581.2	0.01	99.95
169.0-170.0	34.6	0.7	8581.9	0.01	99.96
170.0-171.0	34.5	0.6	8582.5	0.01	99.97
171.0-172.0	34.5	0.6	8583.1	0.01	99.98
172.0-173.0	34.4	0.5	8583.6	0.01	99.98
173.0-174.0	34.3	0.4	8584.0	0.00	99.99
174.0-175.0	34.6	0.4	8584.4	0.00	99.99
175.0-176.0	34.8	0.3	8584.7	0.00	99.99
176.0-177.0	35.0	0.2	8584.9	0.00	100.00
177.0-178.0	35.3	0.2	8585.1	0.00	100.00
178.0-179.0	35.4	0.1	8585.2	0.00	100.00
179.0-180.0	35.8	0.0	8585.2	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°): 5515.78 lm

%lum = 64.2%

%lamp = 64.2%

cone flux(120°): 7767.83 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	3651.5	3646.8	3647.1	3651.0	3651.5	3646.8	3647.1	3651.0	3651.5	
G1.0	3658.5	3654.6	3646.6	3643.9	3645.7	3644.3	3644.8	3653.0	3658.5	
G2.0	3666.5	3657.6	3641.1	3636.4	3641.6	3633.4	3635.0	3655.2	3666.5	
G3.0	3680.3	3659.5	3627.9	3629.3	3638.5	3624.4	3618.1	3658.1	3680.3	
G4.0	3696.2	3659.1	3610.5	3618.0	3638.5	3608.7	3596.3	3657.2	3696.2	
G5.0	3712.9	3658.9	3588.8	3604.4	3638.4	3593.4	3569.5	3656.3	3712.9	
G6.0	3731.4	3660.2	3558.0	3586.8	3640.2	3575.6	3534.9	3650.0	3731.4	
G7.0	3755.8	3656.7	3526.1	3571.6	3645.7	3556.4	3496.2	3641.3	3755.8	
G8.0	3779.2	3651.5	3484.9	3549.2	3655.0	3530.6	3453.2	3630.7	3779.2	
G9.0	3810.9	3643.7	3442.2	3526.5	3663.9	3509.7	3404.4	3619.7	3810.9	
G10.0	3840.3	3638.4	3395.3	3504.0	3678.4	3486.1	3353.8	3606.5	3840.3	
G11.0	3881.3	3630.1	3337.9	3474.8	3694.5	3460.1	3296.1	3592.0	3881.3	
G12.0	3923.0	3620.0	3281.0	3450.2	3711.2	3433.7	3235.4	3577.8	3923.0	
G13.0	3968.9	3614.9	3218.3	3417.9	3733.5	3400.0	3173.3	3559.6	3968.9	
G14.0	4026.6	3603.0	3149.0	3388.8	3758.0	3370.9	3108.0	3539.8	4026.6	
G15.0	4090.9	3594.3	3080.9	3354.3	3783.7	3338.7	3044.2	3519.9	4090.9	
G16.0	4157.7	3579.6	3016.3	3320.4	3815.2	3303.5	2971.5	3492.3	4157.7	
G17.0	4242.2	3565.1	2938.5	3281.6	3848.9	3269.7	2906.6	3468.4	4242.2	
G18.0	4324.9	3550.4	2867.3	3241.7	3884.9	3232.8	2837.0	3444.1	4324.9	
G19.0	4426.5	3528.5	2792.8	3195.8	3934.2	3197.8	2764.5	3414.4	4426.5	
G20.0	4518.1	3511.1	2717.6	3152.5	3982.7	3158.9	2698.1	3383.3	4518.1	
G21.0	4619.4	3487.5	2644.4	3111.5	4045.3	3118.2	2619.9	3348.4	4619.4	
G22.0	4720.2	3458.9	2561.8	3059.8	4103.7	3078.0	2552.8	3311.4	4720.2	
G23.0	4815.5	3424.5	2489.6	3014.0	4165.8	3038.4	2482.9	3268.7	4815.5	
G24.0	4890.5	3386.4	2413.3	2966.6	4239.0	2992.5	2408.2	3218.3	4890.5	
G25.0	4956.0	3339.9	2332.8	2912.9	4303.7	2949.3	2334.8	3169.9	4956.0	
G26.0	4995.3	3286.5	2261.1	2860.1	4362.1	2902.7	2264.7	3113.6	4995.3	
G27.0	5019.9	3225.4	2182.6	2803.2	4420.4	2854.9	2185.2	3053.4	5019.9	
G28.0	5025.3	3165.5	2107.8	2747.2	4459.2	2805.1	2120.9	2996.0	5025.3	
G29.0	5010.9	3106.9	2037.1	2693.2	4489.8	2750.9	2042.8	2929.7	5010.9	
G30.0	4984.6	3037.1	1961.4	2628.5	4501.8	2696.8	1977.0	2872.8	4984.6	
G31.0	4953.5	2976.9	1896.1	2573.0	4495.2	2645.4	1905.5	2813.3	4953.5	
G32.0	4920.3	2916.0	1829.3	2515.0	4480.7	2588.1	1846.0	2749.8	4920.3	
G33.0	4882.5	2851.9	1759.1	2454.9	4458.2	2530.9	1780.8	2691.6	4882.5	
G34.0	4853.8	2792.2	1699.5	2398.0	4434.6	2476.3	1724.4	2632.8	4853.8	
G35.0	4826.4	2728.1	1635.4	2339.1	4411.2	2414.0	1659.1	2569.5	4826.4	
G36.0	4810.3	2669.4	1572.8	2280.3	4395.8	2359.4	1597.1	2510.1	4810.3	

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:

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	4800.1	2613.4	1508.7	2228.0	4388.4	2299.9	1526.1	2450.3	4800.1	
G38.0	4792.0	2553.3	1438.9	2169.7	4379.4	2241.0	1462.0	2395.2	4792.0	
G39.0	4790.3	2493.0	1374.4	2113.1	4384.1	2185.8	1395.5	2337.9	4790.3	
G40.0	4796.0	2431.6	1295.9	2050.1	4391.0	2124.1	1315.0	2275.4	4796.0	
G41.0	4801.8	2371.5	1223.7	1995.9	4396.1	2063.9	1238.2	2214.1	4801.8	
G42.0	4810.0	2310.3	1144.3	1936.4	4400.4	2004.1	1159.0	2151.5	4810.0	
G43.0	4818.6	2234.9	1059.1	1868.8	4410.4	1933.5	1072.6	2073.2	4818.6	
G44.0	4823.8	2163.6	969.9	1801.3	4420.7	1866.8	986.7	2000.5	4823.8	
G45.0	4827.2	2080.9	890.0	1728.2	4435.2	1784.4	898.8	1906.4	4827.2	
G46.0	4823.6	1989.1	792.8	1644.8	4451.4	1709.4	818.5	1821.1	4823.6	
G47.0	4812.2	1895.9	711.4	1556.6	4475.9	1625.9	738.0	1727.0	4812.2	
G48.0	4792.0	1781.0	622.6	1450.1	4495.4	1522.0	656.0	1611.3	4792.0	
G49.0	4766.0	1665.8	550.3	1357.3	4513.4	1426.6	587.6	1503.3	4766.0	
G50.0	4734.3	1538.4	486.5	1250.3	4523.3	1318.7	527.5	1391.2	4734.3	
G51.0	4686.0	1403.1	433.5	1134.1	4533.3	1205.6	475.6	1260.6	4686.0	
G52.0	4627.4	1267.4	391.6	1022.8	4531.6	1092.9	423.6	1141.4	4627.4	
G53.0	4549.6	1135.1	356.9	915.9	4518.3	976.5	379.4	1017.6	4549.6	
G54.0	4439.4	983.5	328.6	795.3	4490.0	870.8	345.7	911.8	4439.4	
G55.0	4317.3	859.8	308.6	697.1	4436.5	771.3	318.0	803.6	4317.3	
G56.0	4148.1	727.7	287.5	595.9	4346.3	666.4	291.7	703.1	4148.1	
G57.0	3952.0	626.2	271.1	519.8	4232.4	585.0	272.0	617.0	3952.0	
G58.0	3712.9	536.5	257.3	458.0	4051.2	507.0	254.1	538.2	3712.9	
G59.0	3413.3	465.2	242.8	401.6	3841.5	448.1	239.0	476.7	3413.3	
G60.0	3075.8	406.0	231.3	363.2	3567.5	394.1	231.6	425.0	3075.8	
G61.0	2706.5	363.9	218.3	330.7	3166.6	349.1	218.9	379.5	2706.5	
G62.0	2258.8	331.0	206.7	305.0	2754.4	317.3	207.8	343.4	2258.8	
G63.0	1826.6	306.3	196.1	285.3	2282.6	290.0	196.9	315.5	1826.6	
G64.0	1393.3	284.9	185.4	266.3	1769.2	265.6	187.4	287.9	1393.3	
G65.0	1033.2	268.8	179.8	251.2	1304.3	248.4	179.4	270.2	1033.2	
G66.0	747.0	254.6	174.9	238.2	893.7	234.1	173.0	250.7	747.0	
G67.0	512.8	237.4	171.5	225.8	598.5	220.6	169.8	238.3	512.8	
G68.0	373.4	226.3	169.4	215.6	408.8	207.8	167.1	226.3	373.4	
G69.0	280.3	215.1	167.5	204.8	284.7	197.2	164.4	213.4	280.3	
G70.0	227.8	202.7	165.7	192.3	230.2	186.0	162.8	202.9	227.8	
G71.0	199.8	192.1	165.4	182.7	201.5	175.8	161.4	192.0	199.8	
G72.0	182.8	179.6	163.7	171.5	187.7	166.0	160.3	182.7	182.8	
G73.0	170.6	166.0	161.2	158.6	176.9	158.5	158.5	173.3	170.6	

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 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	162.2	153.1	158.6	149.5	168.4	144.4	155.9	158.9	162.2	
G75.0	153.9	136.1	155.9	135.9	160.2	131.6	151.6	144.1	153.9	
G76.0	134.9	121.2	149.5	119.9	137.7	117.3	145.5	129.7	134.9	
G77.0	106.6	109.4	142.3	109.8	101.6	102.7	137.2	116.1	106.6	
G78.0	86.0	98.4	131.9	98.1	83.1	92.4	127.1	104.9	86.0	
G79.0	74.2	89.9	118.7	90.3	70.1	82.2	116.3	95.5	74.2	
G80.0	64.3	78.6	105.3	79.6	61.8	75.1	102.2	84.6	64.3	
G81.0	57.2	65.3	91.0	69.2	53.7	67.6	89.5	74.2	57.2	
G82.0	50.5	53.1	76.5	58.9	46.5	56.6	74.5	61.5	50.5	
G83.0	45.0	41.0	60.9	44.2	41.3	45.3	59.5	48.5	45.0	
G84.0	39.2	32.1	46.8	32.1	36.6	36.3	47.0	37.5	39.2	
G85.0	34.7	24.3	31.5	23.0	32.0	26.2	33.5	28.0	34.7	
G86.0	31.5	17.4	22.3	18.2	27.1	20.5	23.7	22.0	31.5	
G87.0	25.1	14.1	15.0	13.6	19.7	14.5	16.7	17.0	25.1	
G88.0	18.5	9.9	9.2	8.9	11.9	10.6	10.1	11.8	18.5	
G89.0	13.9	6.4	6.9	7.2	8.9	7.0	7.0	8.9	13.9	
G90.0	11.9	6.1	6.3	5.3	7.5	3.4	5.2	6.3	11.9	
G91.0	12.5	5.3	4.1	5.5	6.7	4.3	4.4	6.0	12.5	
G92.0	11.5	5.2	1.5	4.1	6.4	3.5	4.7	5.7	11.5	
G93.0	10.7	3.4	4.6	4.4	6.1	3.7	2.6	4.1	10.7	
G94.0	9.9	4.7	5.2	6.0	5.8	4.1	4.0	5.7	9.9	
G95.0	9.0	5.8	4.9	4.3	6.9	4.1	4.1	4.7	9.0	
G96.0	9.6	5.3	4.9	4.4	7.3	4.6	3.2	4.9	9.6	
G97.0	10.9	5.7	5.2	6.1	8.7	4.6	3.1	4.3	10.9	
G98.0	9.9	5.2	4.9	5.5	8.7	3.1	4.1	5.7	9.9	
G99.0	10.4	5.8	4.6	4.1	9.5	5.5	2.5	6.3	10.4	
G100.0	10.9	5.2	5.2	6.6	9.6	4.9	4.6	6.1	10.9	
G101.0	10.6	6.6	5.2	7.0	9.3	5.5	4.1	6.1	10.6	
G102.0	12.1	6.1	6.0	7.0	10.7	6.6	4.3	6.6	12.1	
G103.0	12.5	6.9	5.5	8.3	11.6	6.4	4.6	7.3	12.5	
G104.0	12.9	7.3	5.8	7.2	11.6	6.9	4.6	7.2	12.9	
G105.0	12.2	7.8	5.3	7.5	12.2	6.7	4.7	6.9	12.2	
G106.0	13.0	7.5	6.4	8.6	13.2	7.3	5.1	6.7	13.0	
G107.0	14.8	8.3	6.3	7.7	12.1	8.0	5.7	7.5	14.8	
G108.0	14.7	9.0	6.9	8.4	13.9	8.0	6.3	8.7	14.7	
G109.0	15.6	9.2	6.1	9.3	14.8	8.9	5.7	7.7	15.6	
G110.0	15.9	9.8	6.3	9.8	15.3	9.0	6.1	8.1	15.9	

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 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	16.4	9.3	6.4	10.3	16.5	8.9	6.4	10.3	16.4	
G112.0	18.2	9.3	7.5	10.1	16.2	9.9	4.4	9.8	18.2	
G113.0	19.0	9.5	7.5	11.9	17.4	9.3	5.8	10.7	19.0	
G114.0	19.4	11.6	6.7	12.2	17.8	10.9	6.4	11.3	19.4	
G115.0	20.6	12.2	7.3	12.4	18.4	12.2	7.0	11.6	20.6	
G116.0	21.6	11.6	8.3	13.8	18.7	12.7	7.8	11.8	21.6	
G117.0	21.4	12.7	8.4	13.0	19.7	12.5	7.5	12.7	21.4	
G118.0	23.4	14.7	8.1	14.5	19.6	12.4	8.0	12.7	23.4	
G119.0	24.6	14.2	8.3	14.4	20.2	13.3	8.4	13.5	24.6	
G120.0	24.9	15.0	8.9	15.4	21.7	13.6	8.1	13.5	24.9	
G121.0	24.9	15.0	10.3	15.8	22.3	14.2	8.6	15.0	24.9	
G122.0	25.7	16.1	10.6	16.8	23.0	15.9	8.7	15.0	25.7	
G123.0	25.4	16.7	8.9	17.8	22.6	16.1	9.6	17.0	25.4	
G124.0	25.7	17.8	10.7	17.9	24.6	16.5	9.8	16.8	25.7	
G125.0	26.5	18.0	11.5	19.4	25.1	17.8	10.7	17.6	26.5	
G126.0	27.2	17.6	11.8	18.8	26.0	17.9	10.4	18.7	27.2	
G127.0	26.9	19.4	12.5	19.9	26.2	19.7	10.7	18.7	26.9	
G128.0	28.0	19.9	13.0	20.6	25.9	18.8	11.6	19.6	28.0	
G129.0	27.4	20.2	12.9	21.1	26.5	20.6	11.9	19.3	27.4	
G130.0	27.8	21.0	13.6	22.3	27.7	21.0	12.4	21.0	27.8	
G131.0	28.6	20.8	14.7	23.6	27.4	22.8	13.2	21.1	28.6	
G132.0	28.9	22.2	14.1	22.2	29.1	22.6	13.9	22.2	28.9	
G133.0	28.8	21.0	15.0	23.7	29.5	23.0	14.5	22.5	28.8	
G134.0	28.5	23.3	15.0	24.5	29.8	23.7	14.7	23.0	28.5	
G135.0	29.5	23.6	16.8	25.2	30.1	24.3	15.9	23.3	29.5	
G136.0	30.0	23.3	17.0	25.5	31.1	24.2	15.9	24.2	30.0	
G137.0	29.4	23.0	17.6	26.3	30.4	24.8	16.8	23.7	29.4	
G138.0	30.3	24.3	18.7	27.2	30.8	25.7	18.4	24.2	30.3	
G139.0	30.3	24.2	19.6	26.6	32.1	27.2	17.4	25.1	30.3	
G140.0	31.1	25.5	19.9	27.8	31.2	26.6	17.9	24.9	31.1	
G141.0	31.2	25.9	20.8	27.8	32.6	28.3	19.3	26.0	31.2	
G142.0	31.5	26.2	21.1	29.4	32.6	28.0	20.0	26.9	31.5	
G143.0	32.9	26.3	21.9	29.1	32.4	28.5	20.4	26.3	32.9	
G144.0	32.9	27.1	22.3	29.2	32.9	28.0	20.6	27.1	32.9	
G145.0	33.5	27.4	23.1	29.5	33.3	29.2	22.2	27.4	33.5	
G146.0	33.3	27.7	23.3	31.2	34.0	29.2	22.3	27.8	33.3	
G147.0	34.1	28.6	23.9	31.4	33.5	29.8	22.5	28.6	34.1	

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 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	34.1	28.8	24.0	31.5	34.7	30.0	23.6	28.8	34.1	
G149.0	35.0	29.2	25.5	31.7	34.4	31.1	23.3	28.5	35.0	
G150.0	34.9	29.8	26.3	32.3	35.8	31.2	25.4	30.6	34.9	
G151.0	34.9	30.0	25.5	33.5	35.6	31.7	25.4	30.4	34.9	
G152.0	34.9	30.8	27.5	34.0	35.6	31.2	26.5	30.6	34.9	
G153.0	34.7	29.7	27.4	34.1	35.2	31.7	26.5	30.0	34.7	
G154.0	34.7	31.1	29.2	34.1	36.1	31.7	27.7	31.2	34.7	
G155.0	34.6	31.4	28.1	33.7	35.5	33.7	28.6	30.9	34.6	
G156.0	35.5	30.4	30.9	34.7	36.4	33.7	29.7	31.8	35.5	
G157.0	35.0	32.1	30.4	34.7	36.1	34.1	29.7	32.7	35.0	
G158.0	34.4	31.4	31.1	35.6	35.8	34.4	30.9	33.0	34.4	
G159.0	34.7	32.9	31.8	34.9	34.7	33.8	31.5	31.8	34.7	
G160.0	35.6	32.0	33.5	35.5	34.0	35.0	32.4	33.3	35.6	
G161.0	35.5	33.0	33.5	36.3	34.4	34.7	31.8	32.6	35.5	
G162.0	35.6	32.9	33.5	35.8	33.7	34.9	32.1	33.2	35.6	
G163.0	35.8	33.3	33.7	36.7	33.7	35.2	32.7	33.2	35.8	
G164.0	35.3	34.3	34.6	36.3	32.7	34.7	32.7	33.0	35.3	
G165.0	35.0	33.3	35.0	36.4	32.0	35.0	32.6	33.7	35.0	
G166.0	34.9	34.0	36.3	36.9	31.2	35.0	32.7	33.5	34.9	
G167.0	34.6	34.4	36.0	36.7	30.9	33.8	33.3	32.6	34.6	
G168.0	35.6	34.9	36.6	36.9	31.2	34.6	32.4	34.0	35.6	
G169.0	36.4	34.3	38.3	36.4	30.9	34.6	32.9	33.5	36.4	
G170.0	36.1	34.3	37.5	37.2	30.4	34.3	33.2	33.2	36.1	
G171.0	35.5	34.7	37.3	37.2	29.7	34.6	33.0	34.0	35.5	
G172.0	36.0	34.7	38.5	37.3	29.8	34.0	32.7	32.7	36.0	
G173.0	36.1	35.8	37.8	36.6	30.3	33.0	32.1	32.7	36.1	
G174.0	36.0	35.3	38.9	36.9	30.1	33.2	32.1	32.4	36.0	
G175.0	36.3	35.6	38.4	36.9	31.2	34.0	32.9	33.5	36.3	
G176.0	35.8	35.8	39.5	37.6	30.6	33.5	32.1	33.2	35.8	
G177.0	37.8	36.3	39.8	37.5	31.1	34.0	32.7	33.0	37.8	
G178.0	36.9	35.3	39.6	37.0	32.3	33.7	34.1	33.5	36.9	
G179.0	36.9	36.4	39.2	36.9	31.2	34.4	35.2	33.5	36.9	
G180.0	34.7	35.5	38.9	36.0	34.6	35.6	37.5	36.6	34.7	

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: