

Report No.:

Test Time: 2026-01-28 18:53

Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
Luminous Height (mm):
Current: 0.0000 A
Power Factor: 0.0000

Luminaire Description: REFLEDSG/400W
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 0.00 V
Power: 0.00 W

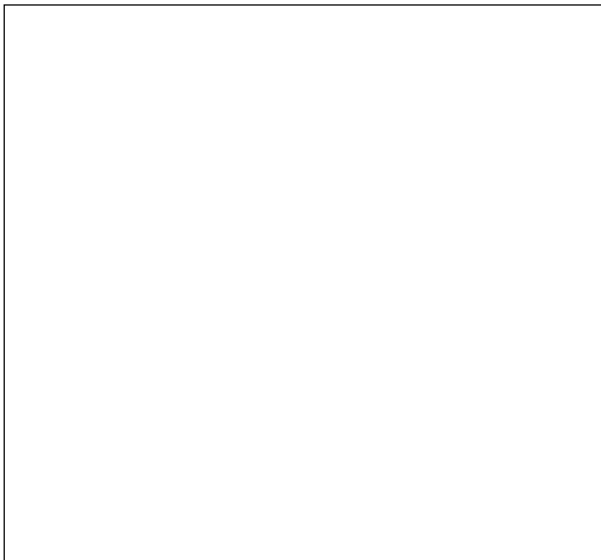
Photometric Results

CIE Class: Direct
Measurement Flux: 4404 lm
Downward Ratio: 99%
Horizontal Diffuse Angle(50%): H80
Vertical Diffuse Angle(50%): V80.6
Luminous Efficacy (lm/w): 4404.03
Max. Intensity: 2488.44 cd
S/MH(C0/C180): 1.21

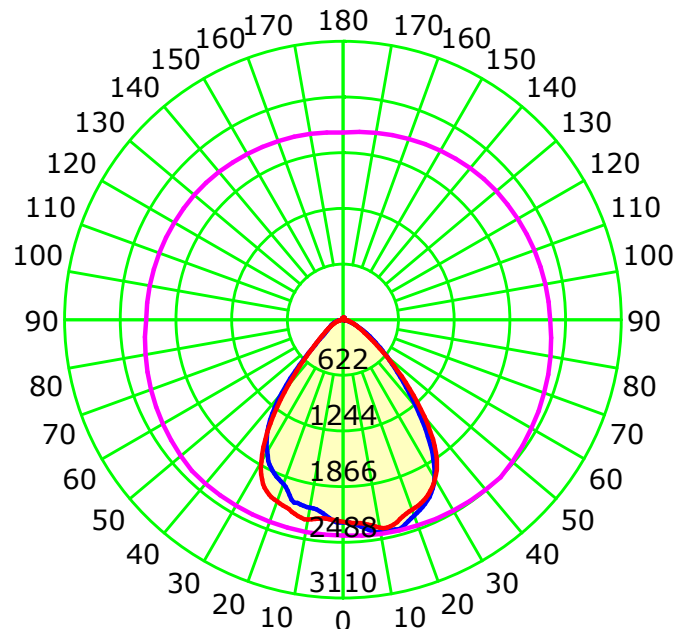
Total Rated Lamp Lumens: 4404.0 lm
Efficiency: 100%
Upward Ratio: 1%

C0r0 Intensity: 2265.74 cd
Pos of Max. Intensity: H45 V16
S/MH(C90/C270): 1.24

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

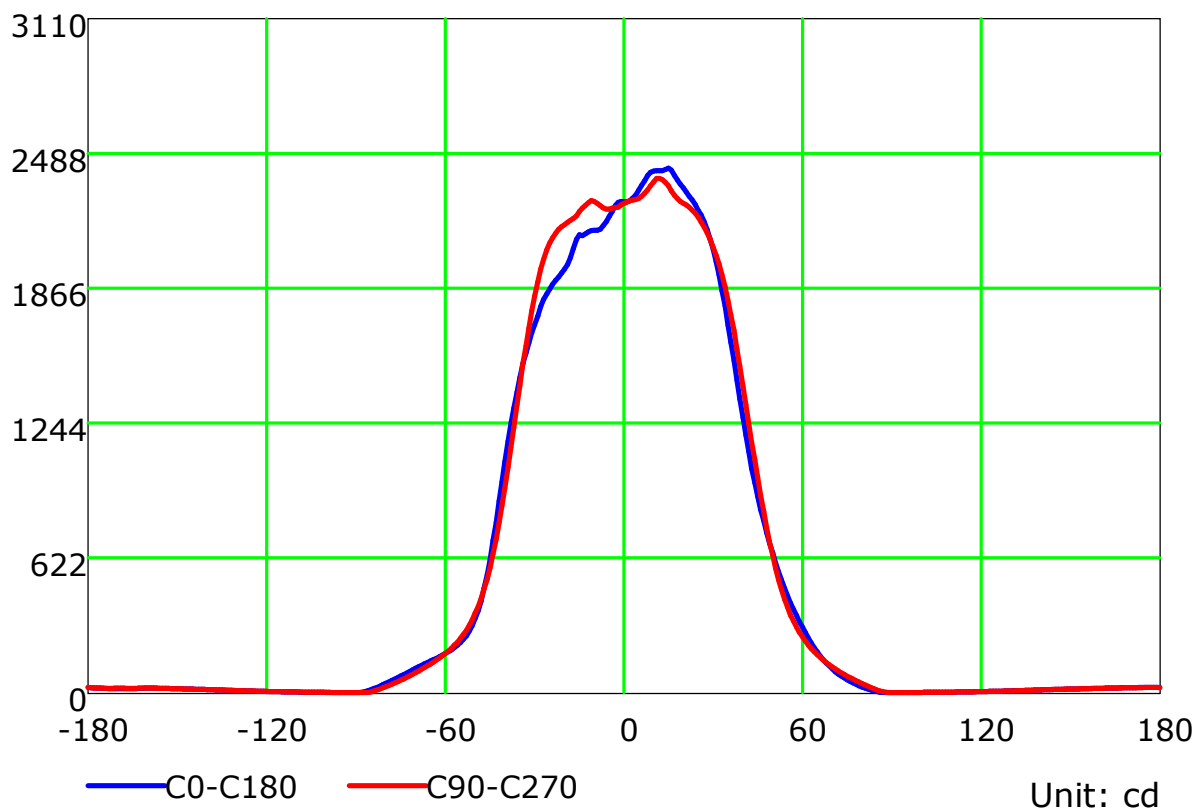
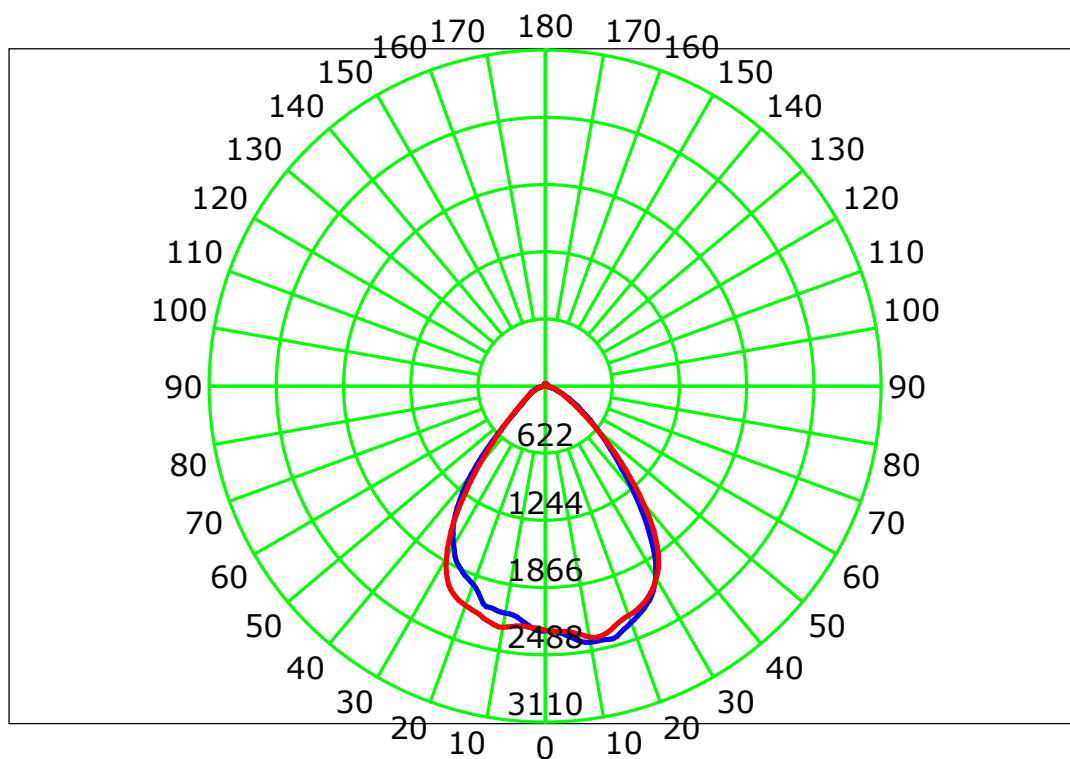
Average Diffuse Angle(50%): 79.6°

— C0-C180 — C90-C270 — G16

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=1.3500]
Humidity:
Inspector:

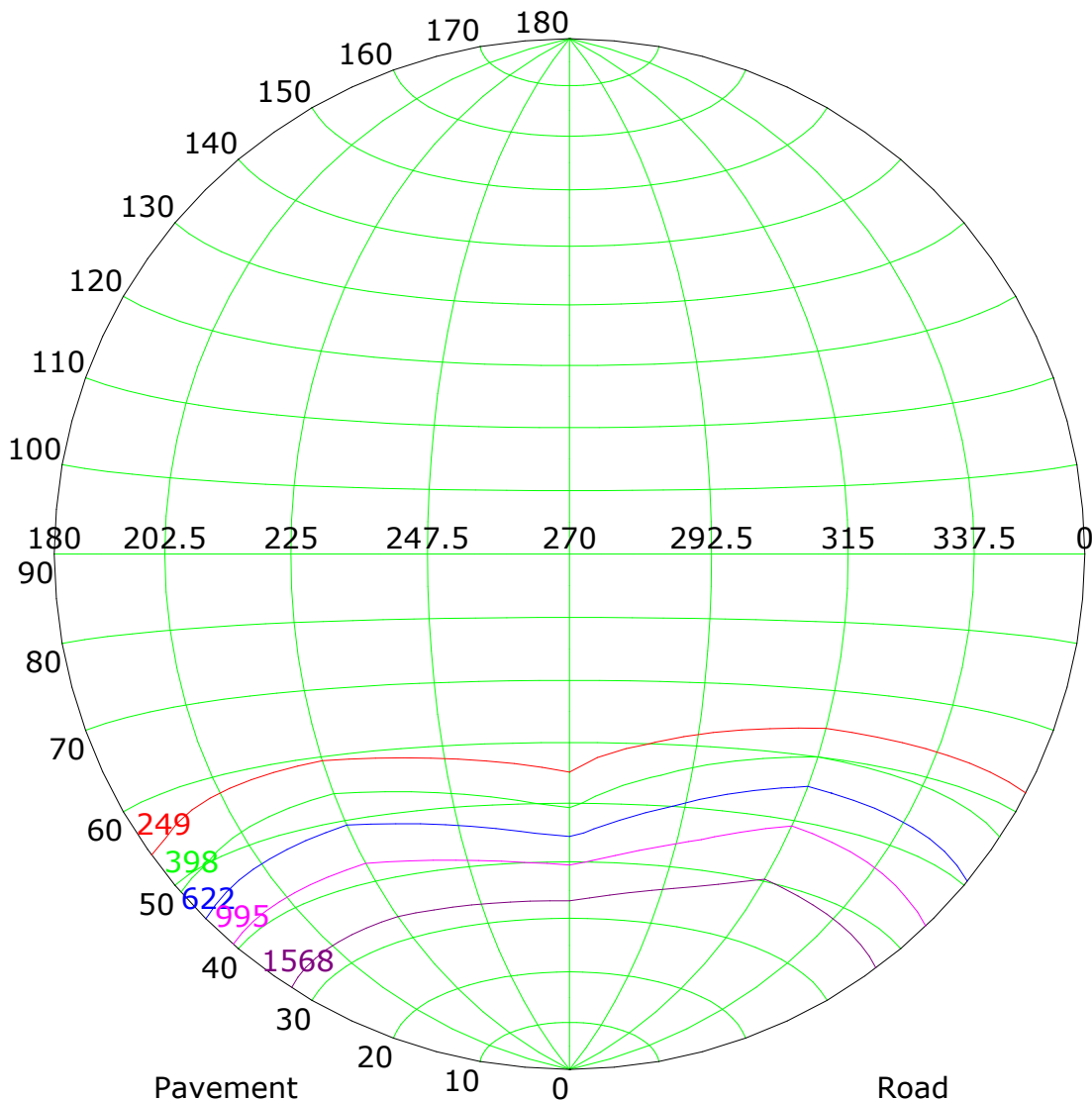
Luminous Intensity Distribution Curve



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Test Lab:
Test Type: TYPE C
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Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.903 m [K=1.3500]
Humidity:
Inspector:

Isocandela (sphere)



Imax (100%): 2488 cd

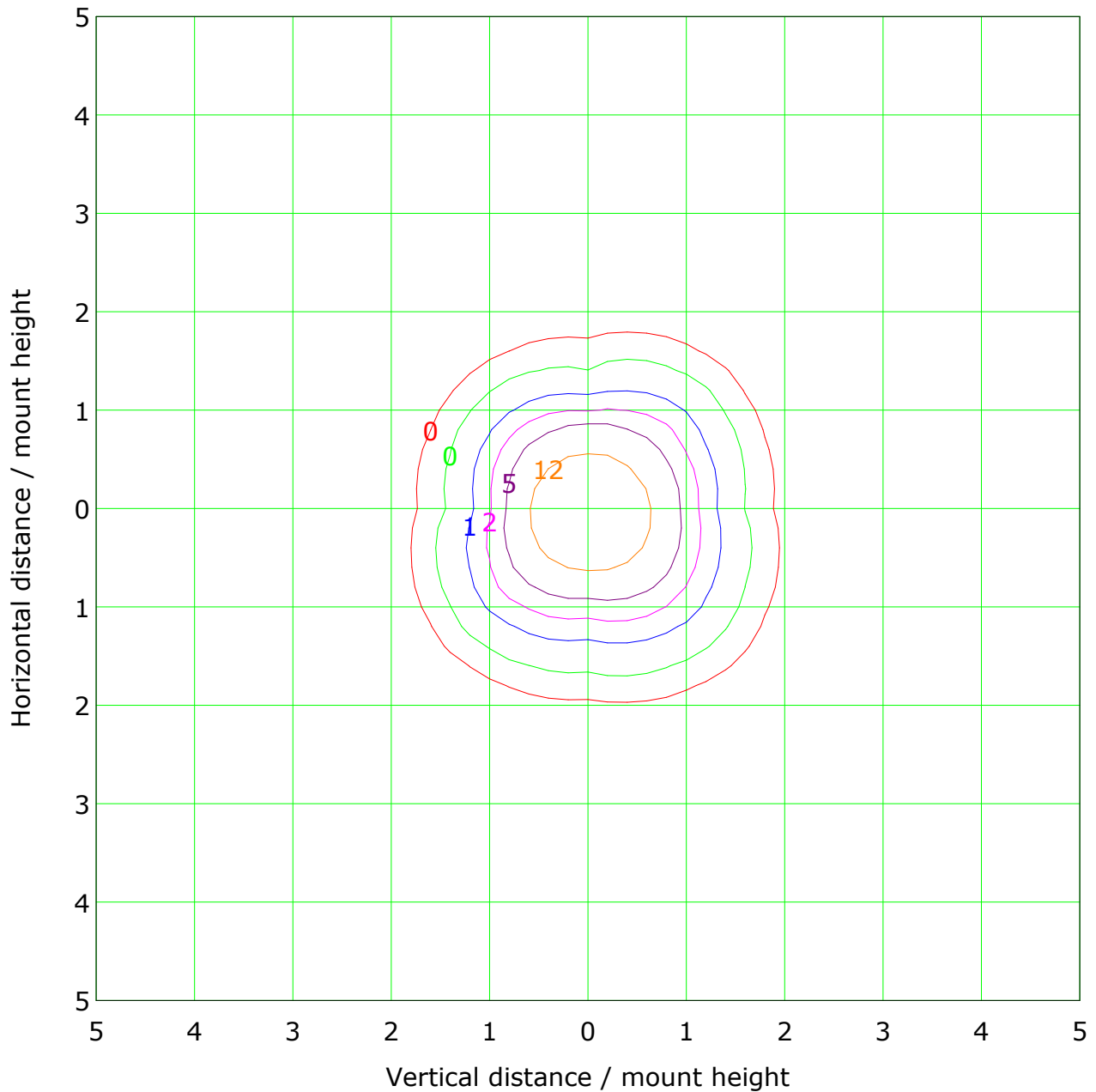
(10%): 249 cd
(25%): 622 cd
(63%): 1568 cd

(16%): 398 cd
(40%): 995 cd
(100%): 2488 cd

CIE: narrow - short
CIE: Full-cut-off luminaire
Max.At90: 0.352 cd/klm

IES: Cut-off
Max.At80: 10.731 cd/klm
Max.80-90: 10.731 cd/klm

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 23.2 lx

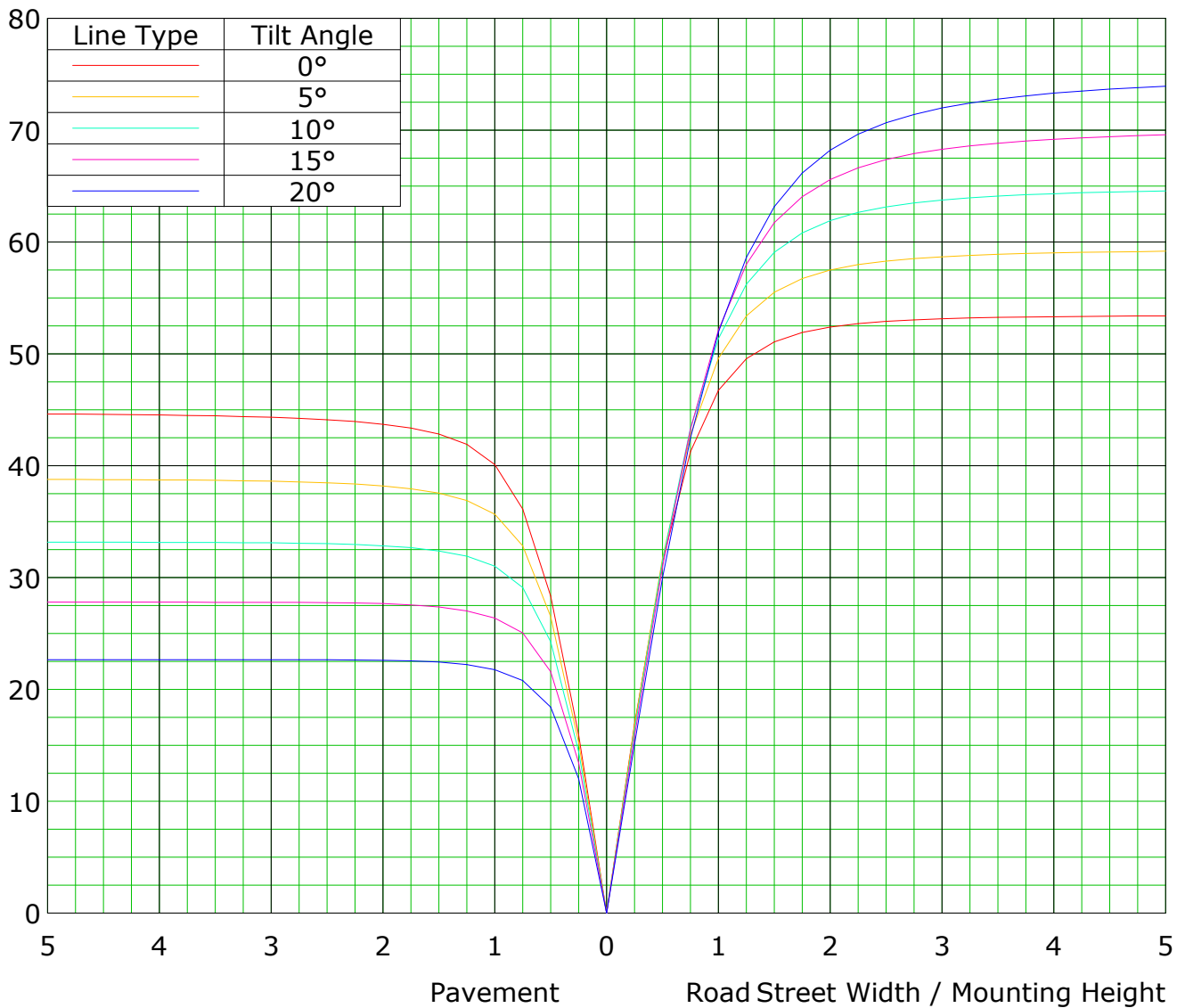
(1%): 0.2 lx	(2%): 0.5 lx
(5%): 1.2 lx	(10%): 2.3 lx
(20%): 4.6 lx	(50%): 11.6 lx
(100%): 23.2 lx	

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=1.3500]
Humidity:
Inspector:

Roadway CU Curve

Efficiency(%)



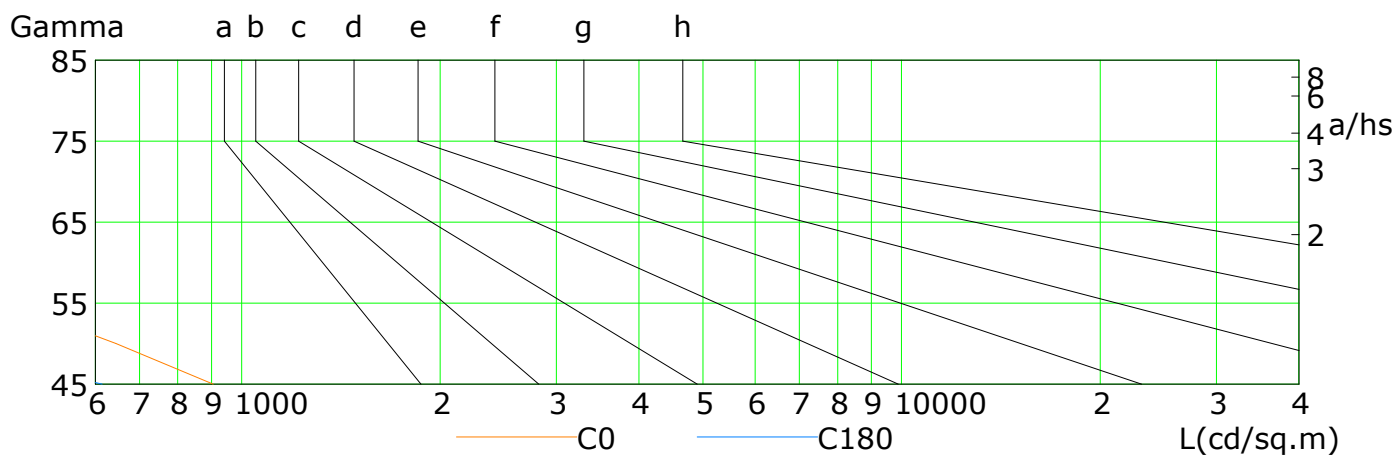
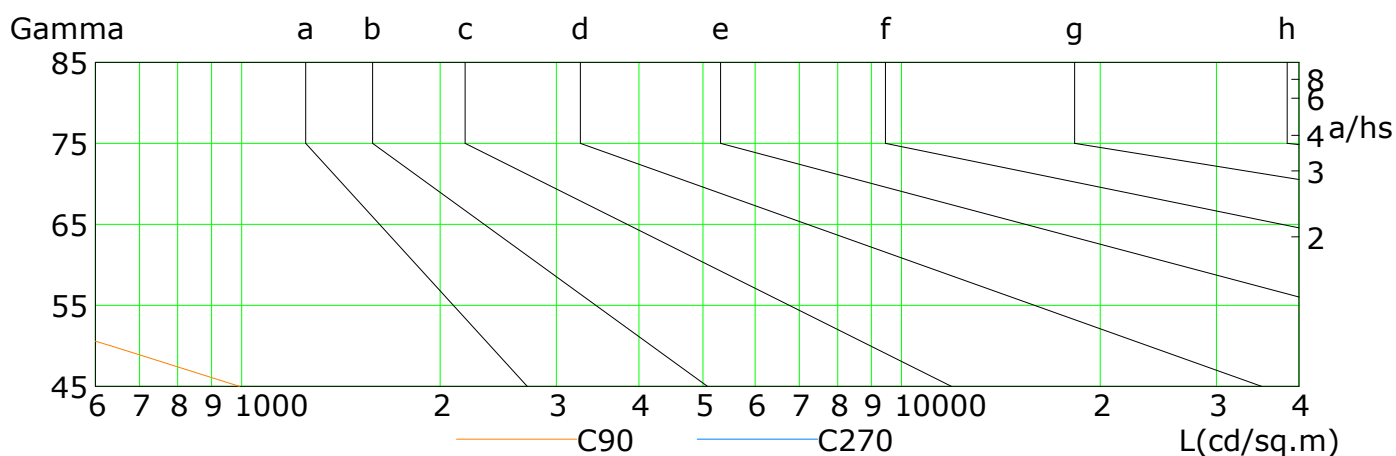
C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.903 m [K=1.3500]
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

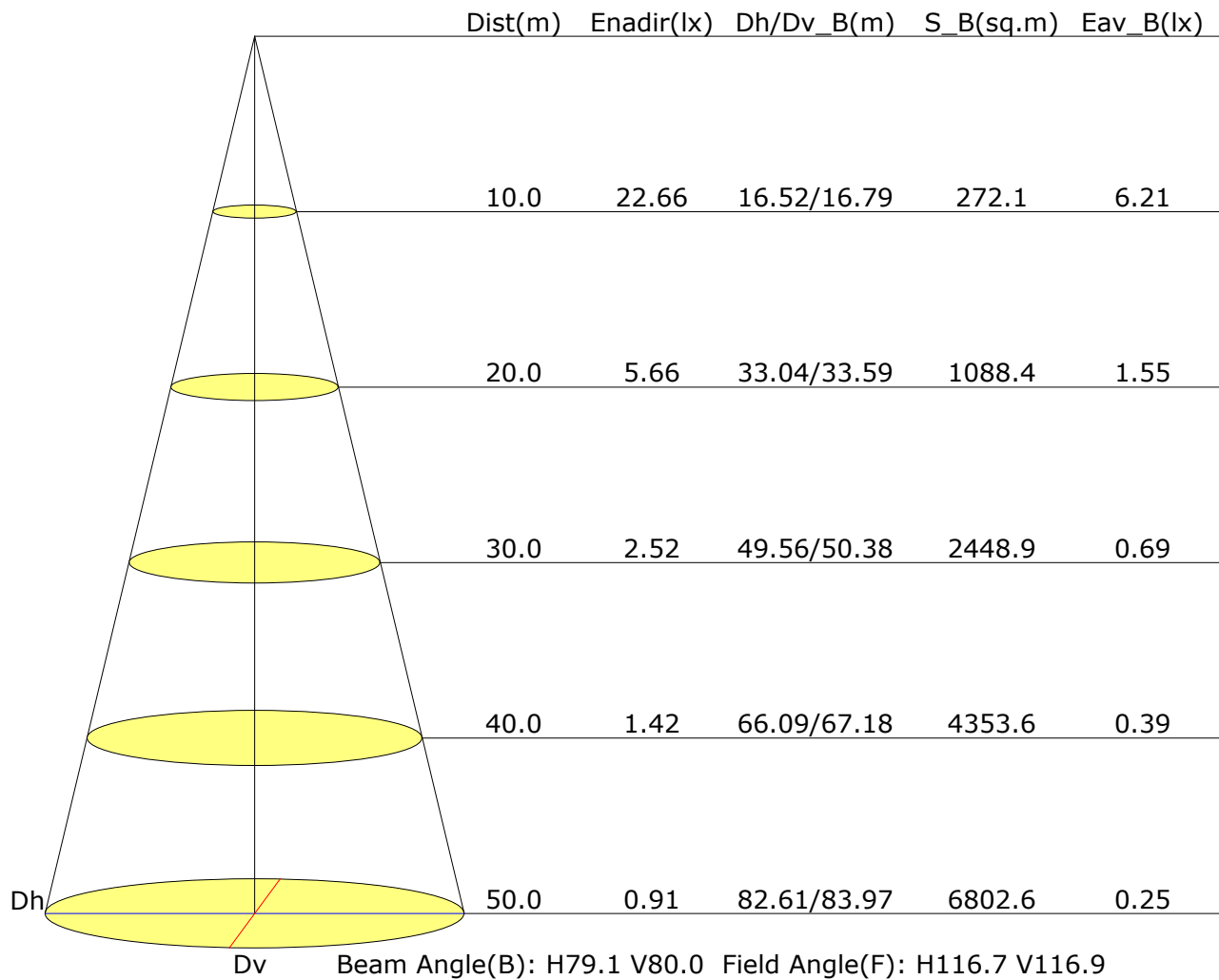


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	905	645	447	302	188	110	60	26	5
C90	992	633	395	257	175	119	77	42	13
C180	614	342	232	181	146	113	77	43	14
C270	577	367	251	181	133	92	58	27	4

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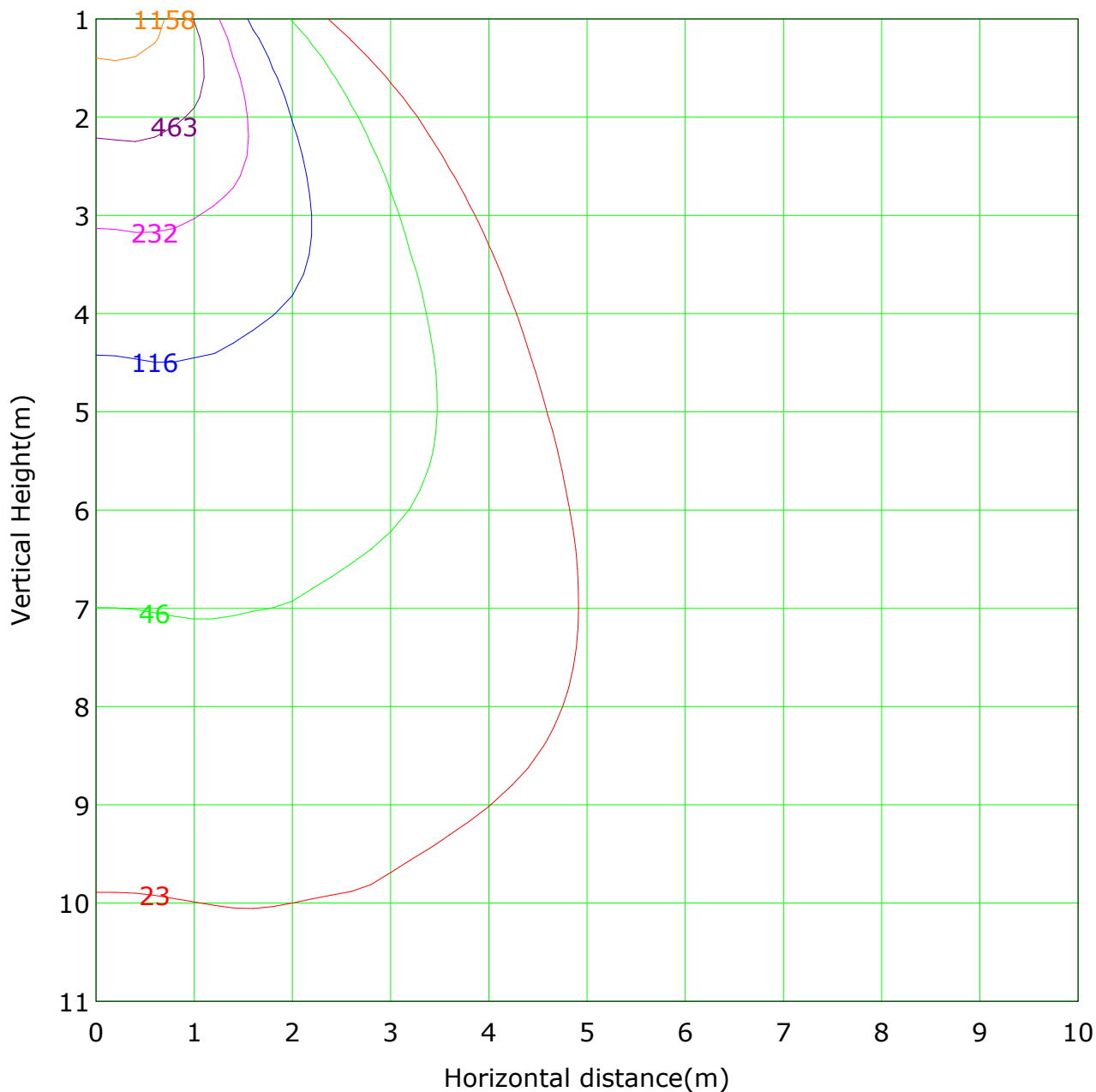
Illuminance at a Distance



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=1.3500]
Humidity:
Inspector:

Vertical IsoLux Plot

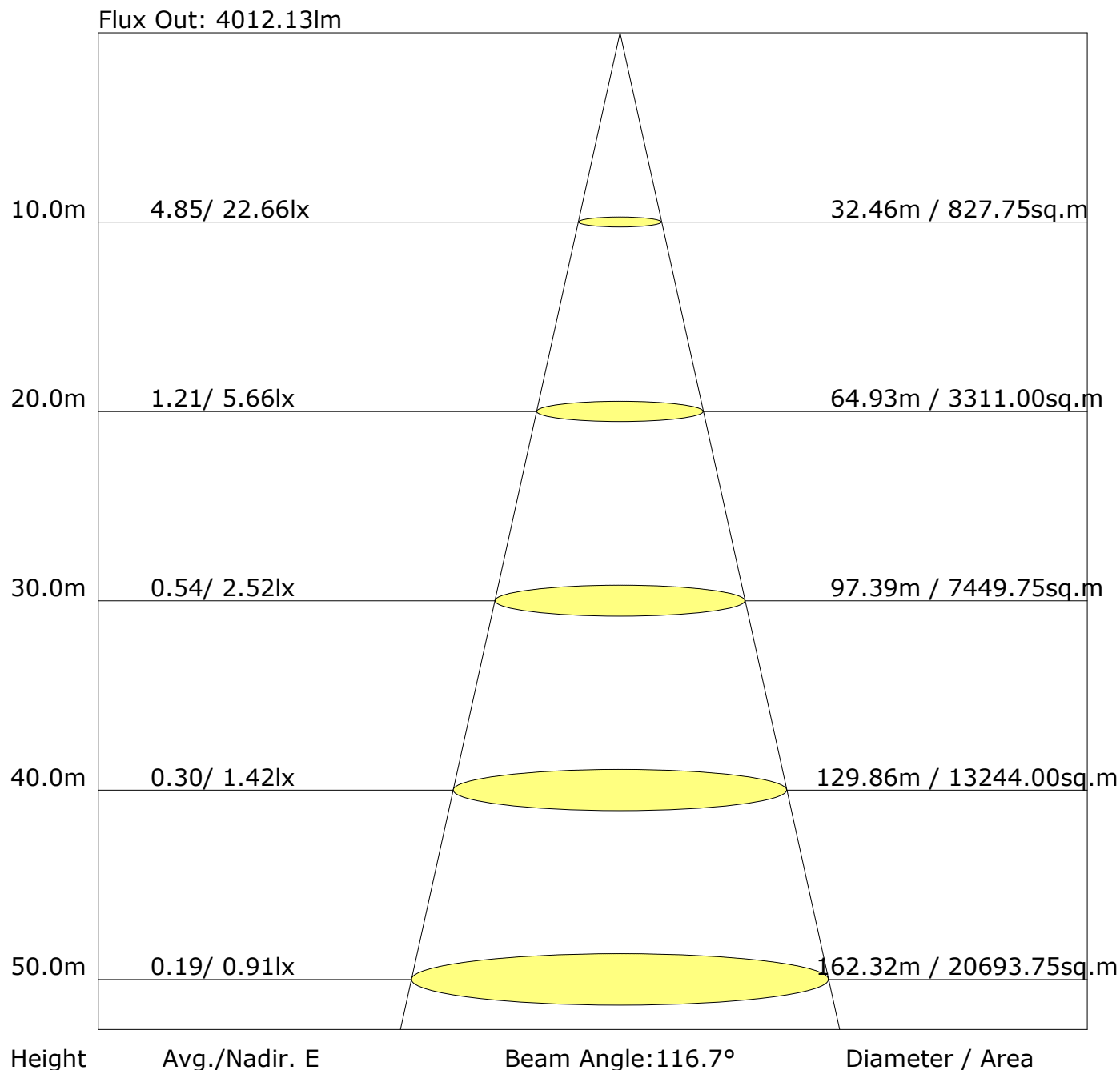


Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 2316.6 lx

— (1%): 23.2 lx	— (2%): 46.3 lx
— (5%): 115.8 lx	— (10%): 231.7 lx
— (20%): 463.3 lx	— (50%): 1158.3 lx
— (100%): 2316.6 lx	

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.903 m [K=1.3500]
Humidity:
Inspector:

The Average Illuminance Effective Figure



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Temperature:
Operator:

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Test Device: GPM-1600L
Distance: 9.903 m [K=1.3500]
Humidity:
Inspector:

UGR Table

Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	-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 4404lm ($8\log(F/F_0) = 5.2$).

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	2260.2	2.2	2.2	0.05	0.05
1.0-2.0	2260.3	6.5	8.7	0.15	0.20
2.0-3.0	2259.7	10.8	19.5	0.25	0.44
3.0-4.0	2258.5	15.1	34.6	0.34	0.79
4.0-5.0	2257.5	19.4	54.0	0.44	1.23
5.0-6.0	2257.5	23.7	77.7	0.54	1.77
6.0-7.0	2259.6	28.1	105.8	0.64	2.40
7.0-8.0	2264.9	32.4	138.2	0.74	3.14
8.0-9.0	2272.6	36.8	175.0	0.84	3.97
9.0-10.0	2281.4	41.3	216.3	0.94	4.91
10.0-11.0	2289.9	45.8	262.1	1.04	5.95
11.0-12.0	2295.7	50.2	312.3	1.14	7.09
12.0-13.0	2298.3	54.5	366.8	1.24	8.33
13.0-14.0	2298.7	58.8	425.7	1.34	9.67
14.0-15.0	2298.1	63.1	488.8	1.43	11.10
15.0-16.0	2292.3	67.2	556.0	1.53	12.62
16.0-17.0	2278.3	71.0	626.9	1.61	14.23
17.0-18.0	2261.5	74.6	701.5	1.69	15.93
18.0-19.0	2245.3	78.1	779.6	1.77	17.70
19.0-20.0	2230.5	81.6	861.3	1.85	19.56
20.0-21.0	2216.2	85.1	946.4	1.93	21.49
21.0-22.0	2198.9	88.4	1034.7	2.01	23.50
22.0-23.0	2177.3	91.4	1126.1	2.07	25.57
23.0-24.0	2150.6	94.0	1220.2	2.14	27.71
24.0-25.0	2120.3	96.4	1316.6	2.19	29.89
25.0-26.0	2090.6	98.7	1415.3	2.24	32.14
26.0-27.0	2060.5	100.8	1516.1	2.29	34.43
27.0-28.0	2028.7	102.7	1618.8	2.33	36.76
28.0-29.0	1994.9	104.4	1723.2	2.37	39.13
29.0-30.0	1957.7	105.7	1828.9	2.40	41.53
30.0-31.0	1919.1	106.8	1935.7	2.43	43.95
31.0-32.0	1877.3	107.6	2043.3	2.44	46.40
32.0-33.0	1830.0	107.8	2151.1	2.45	48.84
33.0-34.0	1779.1	107.7	2258.8	2.45	51.29
34.0-35.0	1722.0	107.0	2365.8	2.43	53.72
35.0-36.0	1660.0	105.7	2471.5	2.40	56.12

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=1.3500]
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	1595.4	104.1	2575.5	2.36	58.48
37.0-38.0	1526.5	101.9	2677.4	2.31	60.80
38.0-39.0	1456.6	99.4	2776.9	2.26	63.05
39.0-40.0	1383.1	96.5	2873.4	2.19	65.24
40.0-41.0	1308.1	93.2	2966.5	2.12	67.36
41.0-42.0	1236.1	89.8	3056.3	2.04	69.40
42.0-43.0	1161.8	86.1	3142.4	1.95	71.35
43.0-44.0	1089.1	82.2	3224.6	1.87	73.22
44.0-45.0	1020.0	78.4	3303.0	1.78	75.00
45.0-46.0	952.2	74.5	3377.5	1.69	76.69
46.0-47.0	889.5	70.8	3448.2	1.61	78.30
47.0-48.0	828.2	67.0	3515.2	1.52	79.82
48.0-49.0	769.2	63.2	3578.4	1.43	81.25
49.0-50.0	716.1	59.7	3638.1	1.36	82.61
50.0-51.0	664.3	56.2	3694.3	1.28	83.88
51.0-52.0	615.2	52.8	3747.1	1.20	85.08
52.0-53.0	570.4	49.6	3796.7	1.13	86.21
53.0-54.0	526.8	46.4	3843.2	1.05	87.26
54.0-55.0	486.4	43.4	3886.6	0.99	88.25
55.0-56.0	448.3	40.5	3927.1	0.92	89.17
56.0-57.0	412.4	37.7	3964.8	0.86	90.03
57.0-58.0	380.0	35.1	4000.0	0.80	90.83
58.0-59.0	348.9	32.6	4032.6	0.74	91.57
59.0-60.0	320.3	30.3	4062.9	0.69	92.25
60.0-61.0	294.2	28.1	4090.9	0.64	92.89
61.0-62.0	269.0	25.9	4116.9	0.59	93.48
62.0-63.0	246.1	23.9	4140.8	0.54	94.02
63.0-64.0	224.6	22.0	4162.8	0.50	94.52
64.0-65.0	204.8	20.3	4183.1	0.46	94.98
65.0-66.0	187.4	18.7	4201.8	0.42	95.41
66.0-67.0	170.9	17.2	4219.0	0.39	95.80
67.0-68.0	155.7	15.8	4234.8	0.36	96.16
68.0-69.0	141.8	14.5	4249.2	0.33	96.49
69.0-70.0	128.9	13.2	4262.5	0.30	96.79
70.0-71.0	117.0	12.1	4274.6	0.27	97.06
71.0-72.0	105.7	11.0	4285.6	0.25	97.31

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 Test Device: GPM-1600L
 Distance: 9.903 m [K=1.3500]
 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	95.3	10.0	4295.5	0.23	97.54
73.0-74.0	85.8	9.0	4304.5	0.20	97.74
74.0-75.0	76.8	8.1	4312.7	0.18	97.93
75.0-76.0	68.6	7.3	4319.9	0.17	98.09
76.0-77.0	60.6	6.5	4326.4	0.15	98.24
77.0-78.0	53.0	5.7	4332.1	0.13	98.37
78.0-79.0	46.0	4.9	4337.0	0.11	98.48
79.0-80.0	39.2	4.2	4341.3	0.10	98.57
80.0-81.0	32.8	3.5	4344.8	0.08	98.66
81.0-82.0	26.9	2.9	4347.7	0.07	98.72
82.0-83.0	21.2	2.3	4350.0	0.05	98.77
83.0-84.0	16.0	1.7	4351.8	0.04	98.81
84.0-85.0	11.4	1.2	4353.0	0.03	98.84
85.0-86.0	7.5	0.8	4353.8	0.02	98.86
86.0-87.0	4.7	0.5	4354.3	0.01	98.87
87.0-88.0	2.7	0.3	4354.6	0.01	98.88
88.0-89.0	1.6	0.2	4354.8	0.00	98.88
89.0-90.0	1.1	0.1	4354.9	0.00	98.89
90.0-91.0	1.0	0.1	4355.0	0.00	98.89
91.0-92.0	1.0	0.1	4355.1	0.00	98.89
92.0-93.0	1.0	0.1	4355.3	0.00	98.89
93.0-94.0	1.1	0.1	4355.4	0.00	98.90
94.0-95.0	1.1	0.1	4355.5	0.00	98.90
95.0-96.0	1.2	0.1	4355.6	0.00	98.90
96.0-97.0	1.3	0.1	4355.8	0.00	98.90
97.0-98.0	1.4	0.2	4355.9	0.00	98.91
98.0-99.0	1.5	0.2	4356.1	0.00	98.91
99.0-100.0	1.6	0.2	4356.3	0.00	98.92
100.0-101.0	1.7	0.2	4356.4	0.00	98.92
101.0-102.0	1.8	0.2	4356.6	0.00	98.92
102.0-103.0	2.0	0.2	4356.8	0.00	98.93
103.0-104.0	2.0	0.2	4357.1	0.00	98.93
104.0-105.0	2.2	0.2	4357.3	0.01	98.94
105.0-106.0	2.3	0.2	4357.5	0.01	98.94
106.0-107.0	2.5	0.3	4357.8	0.01	98.95
107.0-108.0	2.7	0.3	4358.1	0.01	98.96

C Plane (°):0.0-360.0: 45.0
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Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 9.903 m [K=1.3500]
 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	2.9	0.3	4358.4	0.01	98.96
109.0-110.0	3.1	0.3	4358.7	0.01	98.97
110.0-111.0	3.2	0.3	4359.0	0.01	98.98
111.0-112.0	3.4	0.3	4359.4	0.01	98.99
112.0-113.0	3.6	0.4	4359.7	0.01	98.99
113.0-114.0	3.8	0.4	4360.1	0.01	99.00
114.0-115.0	4.1	0.4	4360.5	0.01	99.01
115.0-116.0	4.4	0.4	4361.0	0.01	99.02
116.0-117.0	4.6	0.5	4361.4	0.01	99.03
117.0-118.0	4.9	0.5	4361.9	0.01	99.04
118.0-119.0	5.2	0.5	4362.4	0.01	99.05
119.0-120.0	5.4	0.5	4362.9	0.01	99.07
120.0-121.0	5.7	0.5	4363.5	0.01	99.08
121.0-122.0	6.0	0.6	4364.0	0.01	99.09
122.0-123.0	6.3	0.6	4364.6	0.01	99.10
123.0-124.0	6.7	0.6	4365.2	0.01	99.12
124.0-125.0	7.0	0.6	4365.8	0.01	99.13
125.0-126.0	7.3	0.7	4366.5	0.01	99.15
126.0-127.0	7.7	0.7	4367.2	0.02	99.16
127.0-128.0	8.0	0.7	4367.9	0.02	99.18
128.0-129.0	8.4	0.7	4368.6	0.02	99.20
129.0-130.0	8.8	0.7	4369.3	0.02	99.21
130.0-131.0	9.1	0.8	4370.1	0.02	99.23
131.0-132.0	9.5	0.8	4370.9	0.02	99.25
132.0-133.0	9.9	0.8	4371.7	0.02	99.27
133.0-134.0	10.3	0.8	4372.5	0.02	99.28
134.0-135.0	10.7	0.8	4373.3	0.02	99.30
135.0-136.0	11.2	0.9	4374.2	0.02	99.32
136.0-137.0	11.6	0.9	4375.1	0.02	99.34
137.0-138.0	12.0	0.9	4376.0	0.02	99.36
138.0-139.0	12.4	0.9	4376.9	0.02	99.38
139.0-140.0	12.9	0.9	4377.8	0.02	99.40
140.0-141.0	13.3	0.9	4378.7	0.02	99.43
141.0-142.0	13.7	0.9	4379.6	0.02	99.45
142.0-143.0	14.1	0.9	4380.6	0.02	99.47
143.0-144.0	14.5	0.9	4381.5	0.02	99.49

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=1.3500]
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	14.9	1.0	4382.5	0.02	99.51
145.0-146.0	15.4	1.0	4383.4	0.02	99.53
146.0-147.0	15.8	1.0	4384.4	0.02	99.55
147.0-148.0	16.2	1.0	4385.3	0.02	99.58
148.0-149.0	16.6	1.0	4386.3	0.02	99.60
149.0-150.0	17.0	0.9	4387.2	0.02	99.62
150.0-151.0	17.3	0.9	4388.2	0.02	99.64
151.0-152.0	17.7	0.9	4389.1	0.02	99.66
152.0-153.0	18.1	0.9	4390.0	0.02	99.68
153.0-154.0	18.5	0.9	4390.9	0.02	99.70
154.0-155.0	18.8	0.9	4391.8	0.02	99.72
155.0-156.0	19.1	0.9	4392.7	0.02	99.74
156.0-157.0	19.5	0.9	4393.5	0.02	99.76
157.0-158.0	19.8	0.8	4394.4	0.02	99.78
158.0-159.0	20.1	0.8	4395.2	0.02	99.80
159.0-160.0	20.3	0.8	4395.9	0.02	99.82
160.0-161.0	20.5	0.8	4396.7	0.02	99.83
161.0-162.0	20.7	0.7	4397.4	0.02	99.85
162.0-163.0	20.8	0.7	4398.1	0.02	99.87
163.0-164.0	20.8	0.6	4398.8	0.01	99.88
164.0-165.0	20.9	0.6	4399.4	0.01	99.89
165.0-166.0	21.1	0.6	4399.9	0.01	99.91
166.0-167.0	21.2	0.5	4400.5	0.01	99.92
167.0-168.0	21.4	0.5	4401.0	0.01	99.93
168.0-169.0	21.6	0.5	4401.5	0.01	99.94
169.0-170.0	21.8	0.4	4401.9	0.01	99.95
170.0-171.0	21.9	0.4	4402.3	0.01	99.96
171.0-172.0	21.9	0.4	4402.7	0.01	99.97
172.0-173.0	21.9	0.3	4403.0	0.01	99.98
173.0-174.0	22.1	0.3	4403.2	0.01	99.98
174.0-175.0	22.3	0.2	4403.5	0.01	99.99
175.0-176.0	22.6	0.2	4403.7	0.00	99.99
176.0-177.0	22.8	0.2	4403.8	0.00	100.00
177.0-178.0	23.0	0.1	4403.9	0.00	100.00
178.0-179.0	23.3	0.1	4404.0	0.00	100.00
179.0-180.0	23.6	0.0	4404.0	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=1.3500]
Humidity:
Inspector:

Zonal Lumen (Continue 5)

cone flux(90°): 3303.01 lm

%lum = 75.0%
%lamp = 75.0%

cone flux(120°): 4062.86 lm

%lum = 92.3%
%lamp = 92.3%

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	2265.7	2261.8	2258.8	2253.6	2265.7	2261.8	2258.8	2253.6	2265.7	
G1.0	2266.2	2266.1	2264.6	2262.2	2266.9	2256.0	2251.6	2250.0	2266.2	
G2.0	2270.9	2270.6	2269.8	2269.2	2263.8	2248.9	2241.4	2246.8	2270.9	
G3.0	2282.0	2282.2	2273.8	2266.6	2248.0	2238.3	2239.4	2244.3	2282.0	
G4.0	2297.6	2298.6	2276.6	2260.5	2220.1	2221.8	2236.3	2249.2	2297.6	
G5.0	2319.0	2316.1	2280.3	2252.1	2198.5	2201.6	2231.6	2260.4	2319.0	
G6.0	2341.2	2336.0	2290.6	2236.6	2174.7	2178.5	2231.8	2271.6	2341.2	
G7.0	2364.0	2359.8	2306.0	2221.7	2154.6	2158.8	2237.9	2289.4	2364.0	
G8.0	2387.4	2382.0	2320.9	2210.8	2139.7	2140.7	2248.2	2316.3	2387.4	
G9.0	2402.1	2403.8	2340.3	2202.9	2135.2	2132.2	2258.3	2341.0	2402.1	
G10.0	2408.0	2424.5	2357.9	2198.6	2134.6	2131.9	2267.6	2364.0	2408.0	
G11.0	2409.3	2446.3	2373.4	2194.9	2132.6	2136.4	2271.6	2386.7	2409.3	
G12.0	2409.1	2462.3	2374.2	2197.0	2126.4	2143.7	2262.3	2404.8	2409.1	
G13.0	2409.8	2471.8	2367.4	2203.4	2118.0	2156.9	2249.8	2415.4	2409.8	
G14.0	2415.5	2479.5	2354.8	2210.9	2110.1	2167.0	2236.5	2413.2	2415.5	
G15.0	2421.2	2488.0	2339.6	2220.4	2113.9	2171.3	2221.5	2405.9	2421.2	
G16.0	2412.1	2488.4	2316.0	2227.7	2093.6	2166.5	2200.8	2389.5	2412.1	
G17.0	2387.8	2487.8	2295.9	2225.0	2050.3	2153.4	2189.0	2368.3	2387.8	
G18.0	2366.4	2487.2	2280.9	2212.0	2009.4	2135.0	2180.8	2354.5	2366.4	
G19.0	2347.6	2485.2	2267.7	2196.8	1976.6	2107.9	2171.1	2345.7	2347.6	
G20.0	2329.6	2479.1	2258.3	2185.1	1954.3	2088.1	2160.0	2334.2	2329.6	
G21.0	2310.2	2463.2	2251.7	2171.3	1936.6	2071.9	2150.8	2314.1	2310.2	
G22.0	2291.2	2436.0	2241.7	2153.9	1919.4	2042.4	2138.4	2289.1	2291.2	
G23.0	2274.3	2403.3	2227.9	2126.3	1903.9	2002.9	2121.4	2264.4	2274.3	
G24.0	2252.7	2368.5	2212.8	2084.2	1885.2	1952.3	2099.6	2229.8	2252.7	
G25.0	2226.9	2336.0	2195.6	2029.9	1862.7	1912.3	2075.0	2200.7	2226.9	
G26.0	2205.1	2310.3	2172.7	1988.8	1840.8	1876.1	2044.4	2173.1	2205.1	
G27.0	2173.6	2283.6	2147.7	1949.0	1815.6	1843.9	1999.8	2143.3	2173.6	
G28.0	2138.0	2264.6	2122.3	1911.9	1782.8	1814.2	1955.3	2114.1	2138.0	
G29.0	2095.3	2249.2	2093.2	1873.5	1739.2	1782.2	1896.3	2086.2	2095.3	
G30.0	2045.2	2232.0	2054.7	1838.6	1698.3	1748.2	1830.1	2060.4	2045.2	
G31.0	1989.4	2213.3	2019.5	1808.3	1661.3	1712.8	1761.6	2032.2	1989.4	
G32.0	1929.2	2195.8	1979.7	1774.4	1614.8	1667.2	1681.9	1995.9	1929.2	
G33.0	1856.3	2171.0	1929.9	1734.4	1567.5	1620.7	1599.8	1961.4	1856.3	
G34.0	1785.3	2142.0	1873.4	1697.8	1516.4	1568.8	1516.3	1924.3	1785.3	
G35.0	1696.8	2107.2	1811.5	1653.7	1454.5	1512.9	1417.7	1872.9	1696.8	
G36.0	1617.1	2072.0	1743.6	1607.1	1387.1	1454.7	1329.4	1822.9	1617.1	

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=1.3500]
 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	1533.5	2032.1	1671.4	1559.8	1313.4	1390.0	1224.8	1768.4	1533.5	
G38.0	1442.7	1980.3	1584.9	1509.5	1242.7	1326.6	1132.8	1711.3	1442.7	
G39.0	1356.5	1931.9	1506.5	1460.6	1160.4	1266.4	1040.1	1652.5	1356.5	
G40.0	1269.3	1874.1	1413.0	1401.1	1065.5	1197.1	945.7	1588.7	1269.3	
G41.0	1188.6	1818.5	1328.9	1345.5	973.0	1130.1	863.6	1526.9	1188.6	
G42.0	1113.8	1756.1	1242.6	1288.2	884.5	1067.6	783.8	1465.8	1113.8	
G43.0	1032.9	1691.7	1154.8	1224.4	784.8	995.5	707.9	1394.3	1032.9	
G44.0	968.4	1624.9	1074.3	1165.2	702.2	929.5	640.9	1333.4	968.4	
G45.0	905.5	1557.0	991.9	1110.8	614.3	862.7	577.2	1261.8	905.5	
G46.0	843.9	1479.5	910.5	1048.4	544.8	805.0	523.6	1198.7	843.9	
G47.0	792.5	1412.3	835.4	990.4	482.9	748.1	478.9	1136.4	792.5	
G48.0	738.1	1333.4	760.5	931.6	423.1	685.7	435.1	1067.2	738.1	
G49.0	689.4	1260.3	694.0	876.3	379.4	631.3	398.1	1003.4	689.4	
G50.0	644.8	1192.3	632.7	822.7	341.8	582.0	367.4	941.9	644.8	
G51.0	597.7	1116.1	573.3	763.8	309.4	530.6	336.3	876.7	597.7	
G52.0	558.2	1047.7	521.5	714.2	284.7	484.9	311.6	817.0	558.2	
G53.0	520.3	981.3	477.2	662.7	262.7	440.9	287.2	754.0	520.3	
G54.0	480.6	907.7	431.4	610.1	246.2	401.9	268.5	696.5	480.6	
G55.0	446.9	841.0	395.2	562.7	231.6	367.7	250.8	643.8	446.9	
G56.0	413.8	772.6	358.9	516.1	219.0	332.3	233.4	587.5	413.8	
G57.0	383.3	710.7	330.6	473.9	208.0	304.8	218.9	535.3	383.3	
G58.0	356.4	655.0	304.1	435.3	197.7	276.9	204.6	484.1	356.4	
G59.0	327.1	593.5	278.9	394.6	189.4	252.7	192.8	438.8	327.1	
G60.0	302.3	542.8	257.3	361.5	181.4	232.8	181.3	397.8	302.3	
G61.0	277.0	493.9	239.3	328.6	173.3	211.6	170.3	355.8	277.0	
G62.0	252.0	446.1	219.9	295.9	166.0	194.4	160.5	319.5	252.0	
G63.0	230.0	403.1	203.9	270.2	159.6	178.2	151.3	287.5	230.0	
G64.0	206.6	360.5	188.8	243.5	152.7	162.8	141.3	253.7	206.6	
G65.0	188.0	327.0	175.1	222.1	146.3	149.4	133.0	226.3	188.0	
G66.0	169.8	294.4	162.8	202.2	139.7	136.5	124.4	200.7	169.8	
G67.0	152.2	263.0	150.4	183.2	133.2	126.2	116.2	179.4	152.2	
G68.0	137.1	235.5	139.5	166.8	126.2	115.1	108.3	159.1	137.1	
G69.0	124.7	212.1	128.8	151.7	119.9	104.4	100.0	139.5	124.7	
G70.0	109.9	187.5	119.2	137.5	113.5	95.8	92.4	125.2	109.9	
G71.0	97.5	167.9	109.9	126.2	106.1	87.7	85.5	110.1	97.5	
G72.0	86.1	148.0	100.7	113.1	98.1	79.3	77.9	96.7	86.1	
G73.0	76.9	131.9	92.4	103.0	91.1	72.4	71.3	85.1	76.9	

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=1.3500]
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	68.0	116.9	84.4	93.6	84.0	65.0	63.2	73.8	68.0	
G75.0	59.8	102.5	76.8	83.9	76.9	59.1	58.2	63.1	59.8	
G76.0	52.6	90.0	69.5	75.8	70.5	52.1	51.5	54.9	52.6	
G77.0	45.1	77.9	63.1	67.9	63.0	44.7	45.1	46.1	45.1	
G78.0	38.5	66.0	55.7	60.2	57.1	39.5	39.3	39.3	38.5	
G79.0	32.3	56.6	49.3	52.6	50.2	33.9	33.7	32.1	32.3	
G80.0	26.4	47.3	42.0	45.6	43.3	28.6	27.3	25.7	26.4	
G81.0	21.1	39.0	36.0	39.5	37.1	23.2	22.4	20.1	21.1	
G82.0	16.8	31.4	29.8	33.3	30.7	18.2	16.7	14.6	16.8	
G83.0	12.2	23.0	23.7	27.3	24.6	14.1	12.4	10.2	12.2	
G84.0	8.4	16.6	18.3	21.5	19.4	10.6	8.0	6.4	8.4	
G85.0	4.9	11.0	12.9	15.9	13.8	7.1	3.7	3.3	4.9	
G86.0	2.4	6.9	8.5	11.7	9.7	4.6	1.5	1.4	2.4	
G87.0	0.9	3.7	5.3	8.1	5.7	2.7	0.8	0.8	0.9	
G88.0	0.9	1.7	2.7	5.0	2.6	1.1	0.7	0.8	0.9	
G89.0	0.9	1.0	1.4	2.8	1.1	1.0	1.0	0.8	0.9	
G90.0	1.0	1.0	1.1	1.5	0.7	1.1	0.9	0.9	1.0	
G91.0	1.0	1.1	0.9	1.1	0.6	1.1	1.0	0.6	1.0	
G92.0	1.1	1.1	1.0	1.1	0.8	1.1	1.1	0.8	1.1	
G93.0	1.1	1.2	1.1	1.1	0.8	1.2	1.1	0.9	1.1	
G94.0	1.2	1.1	1.1	1.0	0.9	1.3	1.1	1.1	1.2	
G95.0	1.1	1.1	1.1	1.4	1.1	1.3	1.1	1.1	1.1	
G96.0	1.1	1.3	1.1	1.5	1.1	1.5	1.1	1.2	1.1	
G97.0	1.3	1.4	1.4	1.4	1.1	1.7	1.4	1.4	1.3	
G98.0	1.5	1.4	1.4	1.6	1.2	1.7	1.5	1.4	1.5	
G99.0	1.4	1.5	1.5	1.7	1.4	1.9	1.5	1.5	1.4	
G100.0	1.5	1.5	1.5	1.8	1.4	2.0	1.6	1.5	1.5	
G101.0	1.5	1.7	1.6	2.0	1.6	2.1	1.8	1.8	1.5	
G102.0	1.7	1.7	1.7	2.1	1.7	2.4	2.0	1.9	1.7	
G103.0	1.8	1.9	1.9	2.3	1.8	2.4	2.1	2.0	1.8	
G104.0	1.9	2.0	1.9	2.2	1.8	2.6	2.3	2.0	1.9	
G105.0	2.0	2.2	2.0	2.6	2.0	2.8	2.3	2.3	2.0	
G106.0	2.0	2.2	2.2	2.6	2.3	3.0	2.5	2.4	2.0	
G107.0	2.4	2.5	2.2	2.8	2.4	3.3	2.6	2.7	2.4	
G108.0	2.5	2.4	2.4	3.0	2.6	3.5	2.8	2.7	2.5	
G109.0	2.7	2.5	2.5	3.3	2.9	3.7	3.3	3.0	2.7	
G110.0	2.8	2.8	2.8	3.3	3.0	3.8	3.5	3.1	2.8	

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=1.3500]
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	2.9	2.9	2.8	3.5	3.3	4.2	3.6	3.3	2.9	
G112.0	3.0	3.1	3.0	3.8	3.4	4.5	3.8	3.5	3.0	
G113.0	3.3	3.3	3.2	4.0	3.7	4.6	4.2	3.7	3.3	
G114.0	3.4	3.5	3.3	4.2	3.9	4.9	4.4	3.9	3.4	
G115.0	3.9	3.7	3.6	4.5	4.2	5.3	4.6	4.2	3.9	
G116.0	3.8	3.9	3.8	4.7	4.6	5.4	5.0	4.4	3.8	
G117.0	4.2	4.2	4.1	4.9	5.0	5.8	5.3	4.6	4.2	
G118.0	4.5	4.4	4.4	5.3	5.1	6.0	5.5	4.8	4.5	
G119.0	4.7	4.6	4.7	5.5	5.4	6.5	5.9	5.1	4.7	
G120.0	5.0	4.9	4.9	5.8	5.8	6.6	6.2	5.3	5.0	
G121.0	5.4	5.2	5.1	6.1	6.3	6.9	6.5	5.5	5.4	
G122.0	5.5	5.4	5.4	6.3	6.6	7.2	7.0	5.9	5.5	
G123.0	5.9	5.6	5.9	6.8	6.9	7.7	7.3	5.9	5.9	
G124.0	6.3	5.9	6.1	7.0	7.3	7.9	7.6	6.3	6.3	
G125.0	6.5	6.1	6.6	7.4	7.7	8.1	7.8	6.7	6.5	
G126.0	6.9	6.5	6.8	7.7	8.1	8.5	8.5	7.0	6.9	
G127.0	7.3	6.8	7.3	8.0	8.4	8.8	8.8	7.4	7.3	
G128.0	7.6	7.2	7.7	8.5	8.9	9.0	9.0	7.6	7.6	
G129.0	8.1	7.4	8.0	8.6	9.3	9.7	9.5	8.0	8.1	
G130.0	8.5	7.7	8.5	8.9	9.8	10.0	10.0	8.3	8.5	
G131.0	8.9	8.1	8.7	9.3	10.2	10.5	10.4	8.8	8.9	
G132.0	9.4	8.1	9.2	9.6	10.6	10.7	10.8	9.1	9.4	
G133.0	9.8	8.5	9.7	9.9	11.0	11.2	11.3	9.6	9.8	
G134.0	10.3	8.9	10.0	10.3	11.5	11.6	11.9	9.8	10.3	
G135.0	10.7	9.1	10.6	10.5	12.0	12.0	12.2	10.5	10.7	
G136.0	11.2	9.4	11.0	10.9	12.5	12.6	12.6	10.7	11.2	
G137.0	11.6	9.9	11.6	11.2	12.9	12.9	12.9	11.1	11.6	
G138.0	12.1	10.3	11.9	11.6	13.3	13.4	13.5	11.6	12.1	
G139.0	12.5	10.6	12.4	12.0	13.8	14.0	14.0	12.0	12.5	
G140.0	12.9	11.0	12.9	12.4	14.2	14.4	14.3	12.5	12.9	
G141.0	13.3	11.3	13.4	12.6	14.8	14.7	14.9	12.9	13.3	
G142.0	13.8	11.8	13.8	13.1	15.1	15.1	15.3	13.3	13.8	
G143.0	14.1	12.3	14.1	13.4	15.7	15.6	15.9	13.6	14.1	
G144.0	14.6	12.6	14.8	13.9	15.9	15.8	16.0	14.1	14.6	
G145.0	15.0	13.2	15.1	14.5	16.4	16.4	16.5	14.4	15.0	
G146.0	15.3	13.6	15.4	15.0	16.9	16.8	16.8	15.0	15.3	
G147.0	15.7	14.1	15.9	15.3	17.5	17.2	17.2	15.3	15.7	

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=1.3500]
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	15.9	14.3	16.3	15.7	17.7	17.6	17.6	15.7	15.9	
G149.0	16.4	15.1	16.6	16.3	18.1	18.0	17.9	16.2	16.4	
G150.0	16.8	15.4	17.0	16.6	18.5	18.1	18.3	16.4	16.8	
G151.0	17.0	15.8	17.2	17.0	18.9	18.6	18.6	16.9	17.0	
G152.0	17.5	16.3	17.6	17.5	19.1	19.0	19.0	17.2	17.5	
G153.0	17.7	16.7	18.1	17.9	19.5	19.3	19.3	17.8	17.7	
G154.0	18.1	17.1	18.3	18.4	19.9	19.6	19.6	18.1	18.1	
G155.0	18.5	17.5	18.6	18.6	20.1	20.0	19.9	18.5	18.5	
G156.0	19.0	17.9	18.9	18.9	20.5	20.4	20.2	18.8	19.0	
G157.0	19.3	18.1	19.2	19.4	20.7	20.8	20.4	19.1	19.3	
G158.0	19.7	18.5	19.5	19.5	21.0	21.1	20.7	19.5	19.7	
G159.0	20.0	18.9	19.8	19.9	21.0	21.1	21.1	19.8	20.0	
G160.0	20.5	19.2	20.1	20.3	21.0	21.3	21.1	20.3	20.5	
G161.0	20.7	19.6	20.3	20.6	20.7	21.6	21.1	20.5	20.7	
G162.0	21.0	19.9	20.7	20.8	20.1	21.6	21.1	20.5	21.0	
G163.0	21.0	20.3	21.1	21.0	19.4	22.0	20.9	21.0	21.0	
G164.0	21.4	20.7	21.1	21.2	19.0	21.9	20.7	21.0	21.4	
G165.0	21.9	21.1	21.5	21.5	18.6	22.1	20.6	20.9	21.9	
G166.0	22.1	21.1	21.8	21.9	18.1	22.1	20.5	21.0	22.1	
G167.0	22.4	21.6	22.1	22.1	18.3	22.2	20.7	21.1	22.4	
G168.0	22.7	21.9	22.4	22.3	18.5	22.2	20.8	21.3	22.7	
G169.0	22.9	22.1	22.7	22.5	18.5	22.3	21.1	21.5	22.9	
G170.0	23.3	22.5	22.7	22.9	18.6	22.5	21.1	21.8	23.3	
G171.0	23.5	22.7	22.9	23.2	18.7	22.1	20.7	21.5	23.5	
G172.0	23.6	23.0	23.2	23.3	18.8	21.6	20.3	21.1	23.6	
G173.0	23.8	23.3	23.3	23.3	19.1	21.2	20.2	21.0	23.8	
G174.0	24.0	23.6	23.6	23.5	19.6	21.6	20.5	21.2	24.0	
G175.0	24.2	23.8	23.7	23.7	20.3	21.7	21.1	21.4	24.2	
G176.0	24.3	23.8	23.8	23.8	21.0	21.9	21.1	21.6	24.3	
G177.0	24.6	24.2	23.9	23.9	21.5	21.9	21.3	21.7	24.6	
G178.0	24.7	24.2	24.2	24.0	22.0	21.9	21.8	21.7	24.7	
G179.0	24.8	24.5	24.2	24.0	22.9	22.7	22.5	22.5	24.8	
G180.0	24.2	23.8	23.6	23.4	24.1	23.8	23.7	23.5	24.2	

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=1.3500]
 Humidity:
 Inspector: