

Report No.:

Test Time: 2025-10-07 16:05

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: SUBSOL/60W-A

Lamp Catalog:

Number of Lamps:

Luminous Length (mm):

Luminous Height (mm):

Current: 0.0000 A

Power Factor: 0.0000

Luminaire Description:

Lamp Description:

Lumens per Lamp:

Luminous Width (mm):

Voltage: 0.00 V

Power: 0.00 W

Photometric Results

CIE Class: Direct

Measurement Flux: 401 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(50%): H89.6

Vertical Diffuse Angle(50%): V87.6

Luminous Efficacy (lm/w): 401.03

Max. Intensity: 232.51 cd

S/MH(C0/C180): 1.38

Total Rated Lamp Lumens: 401.0 lm

Efficiency: 100%

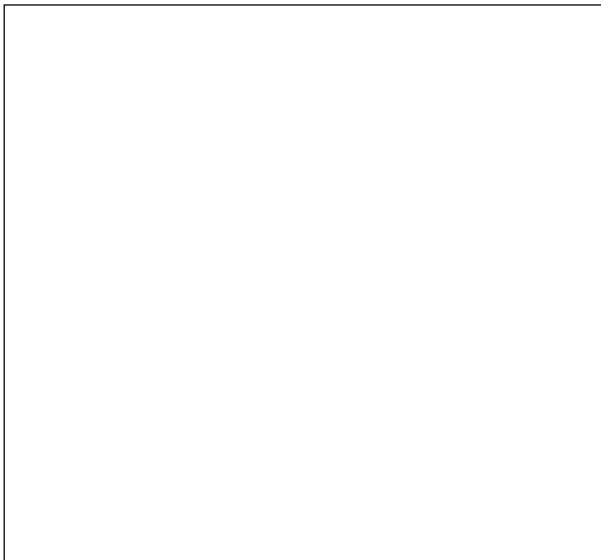
Upward Ratio: 1%

C0r0 Intensity: 216.33 cd

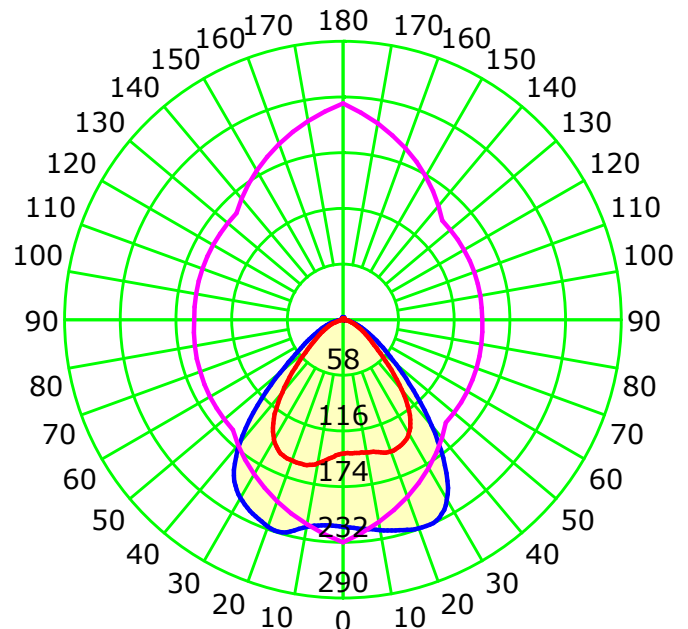
Pos of Max. Intensity: H0 V23

S/MH(C90/C270): 1.38

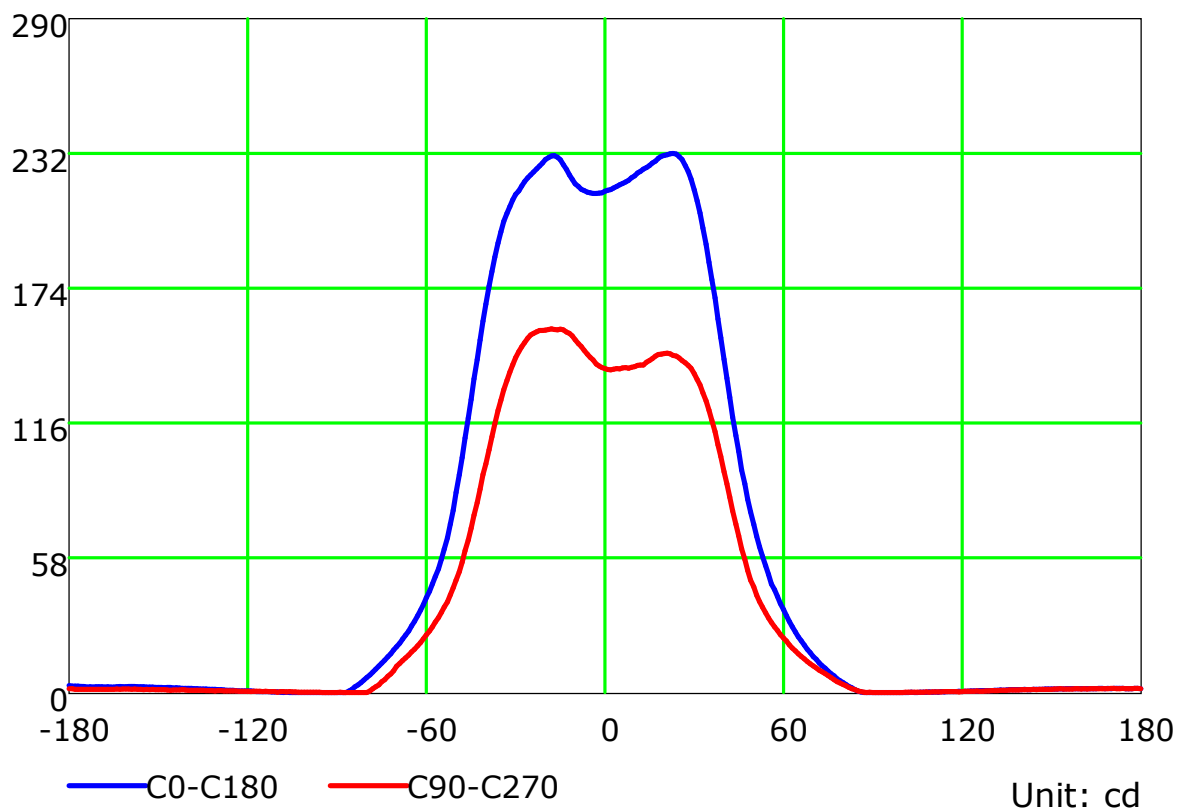
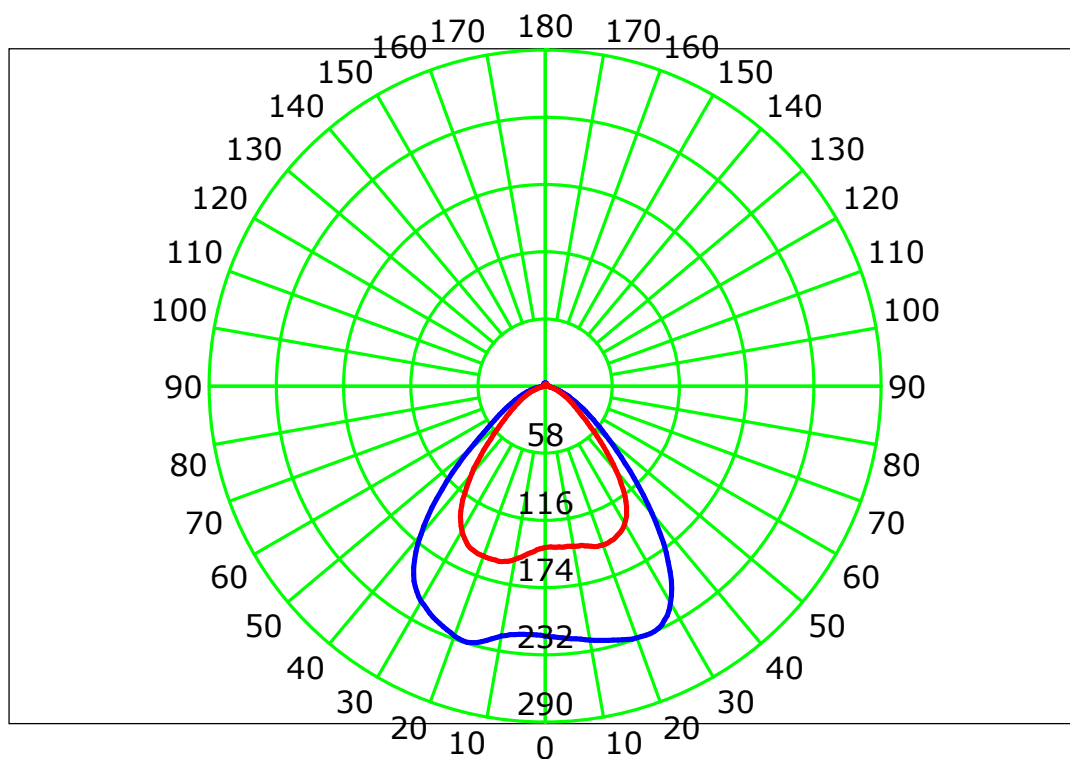
Picture Of Luminaire



Luminous Intensity Distribution Curve



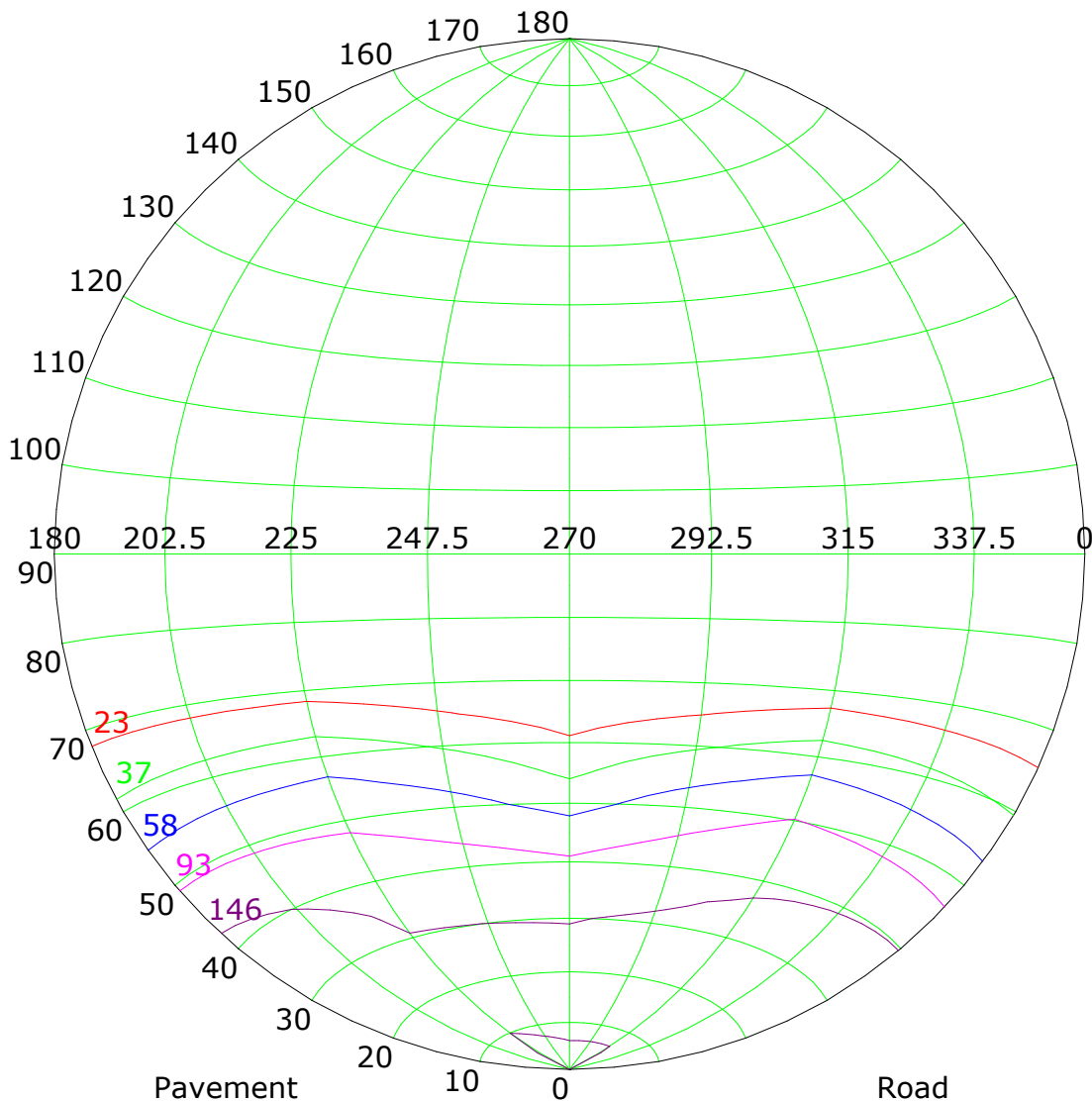
Luminous Intensity Distribution Curve



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%): 233 cd

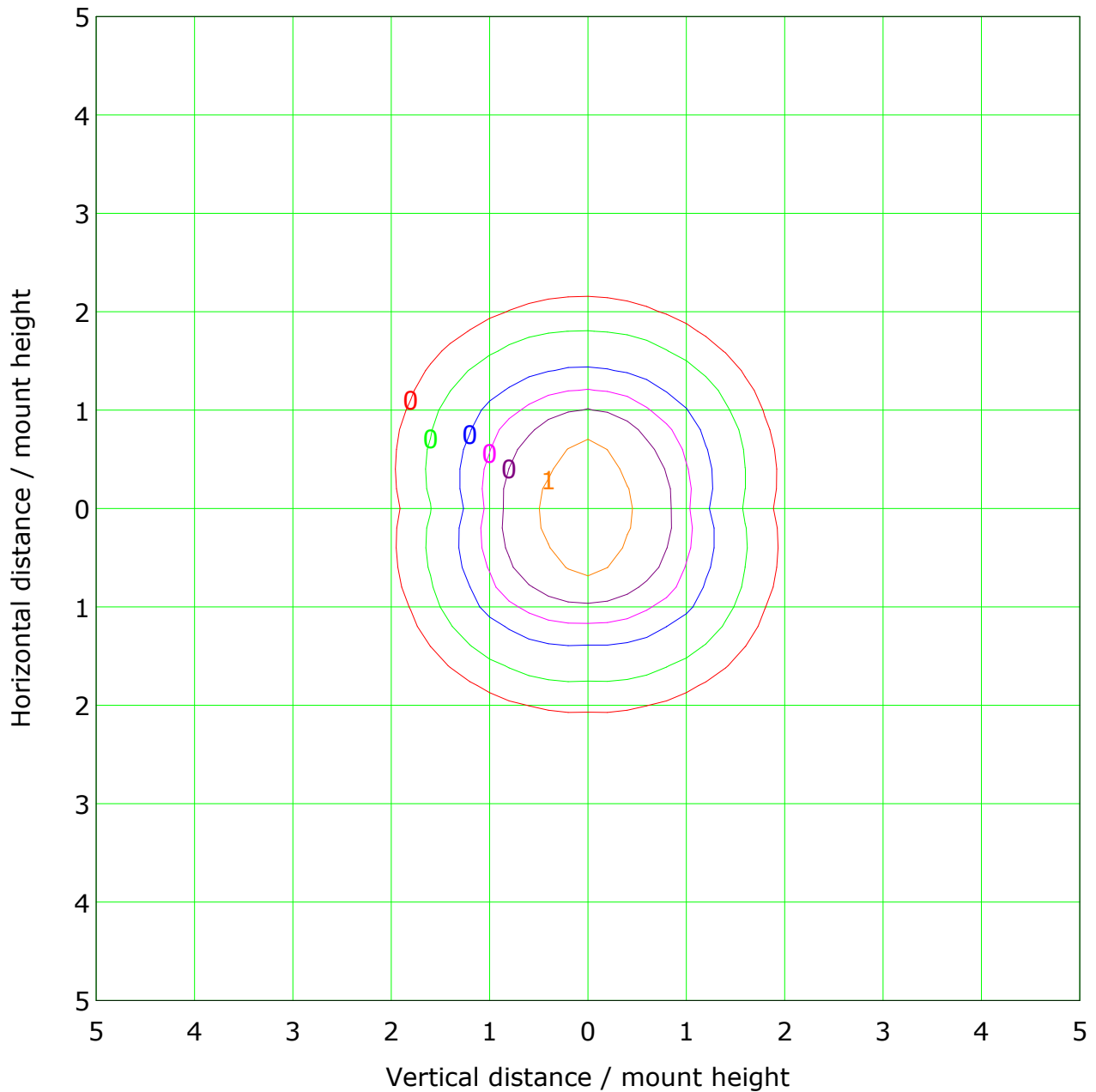
(10%): 23 cd
(25%): 58 cd
(63%): 146 cd

(16%): 37 cd
(40%): 93 cd
(100%): 233 cd

CIE: narrow - short
CIE: Full-cut-off luminaire
Max.At90: 0.299 cd/klm

IES: Cut-off
Max.At80: 16.233 cd/klm
Max.80-90: 16.233 cd/klm

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 2.2 lx

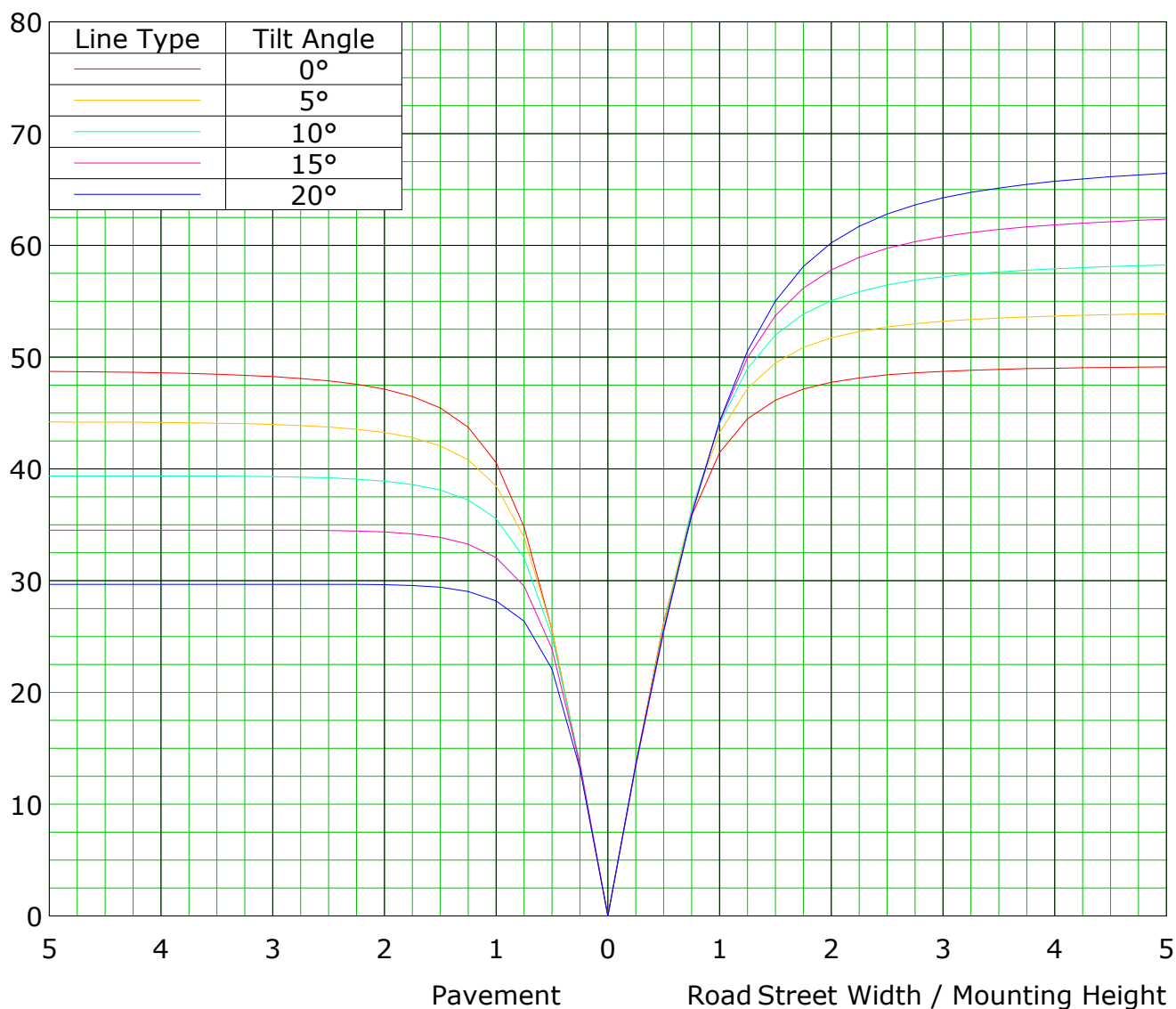
(1%): 0.0 lx	(2%): 0.0 lx
(5%): 0.1 lx	(10%): 0.2 lx
(20%): 0.4 lx	(50%): 1.1 lx
(100%): 2.2 lx	

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=1.0000]
Humidity:
Inspector:

Roadway CU Curve

Efficiency(%)



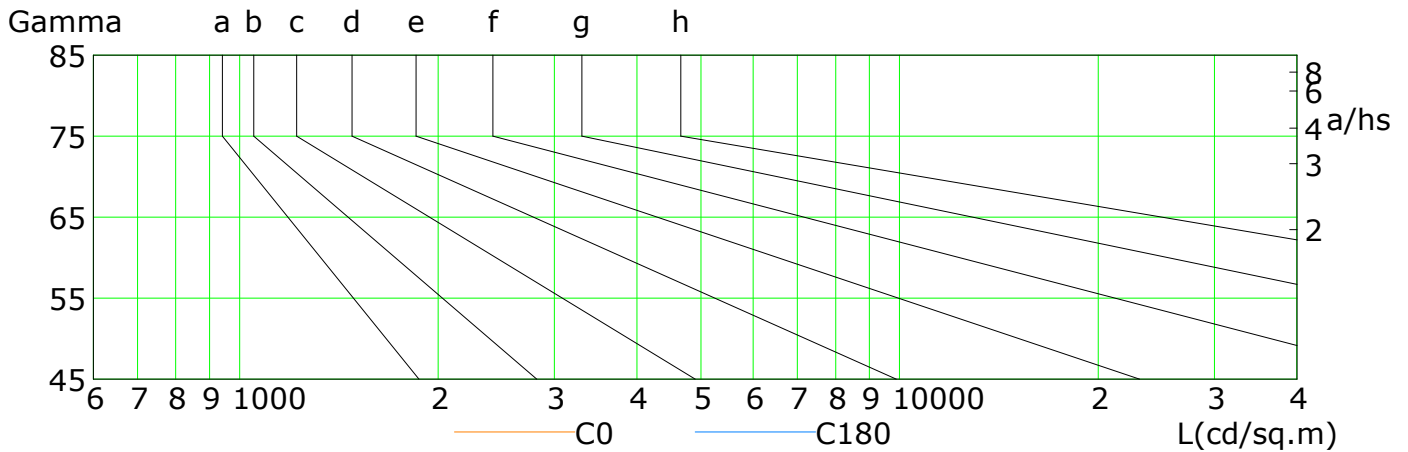
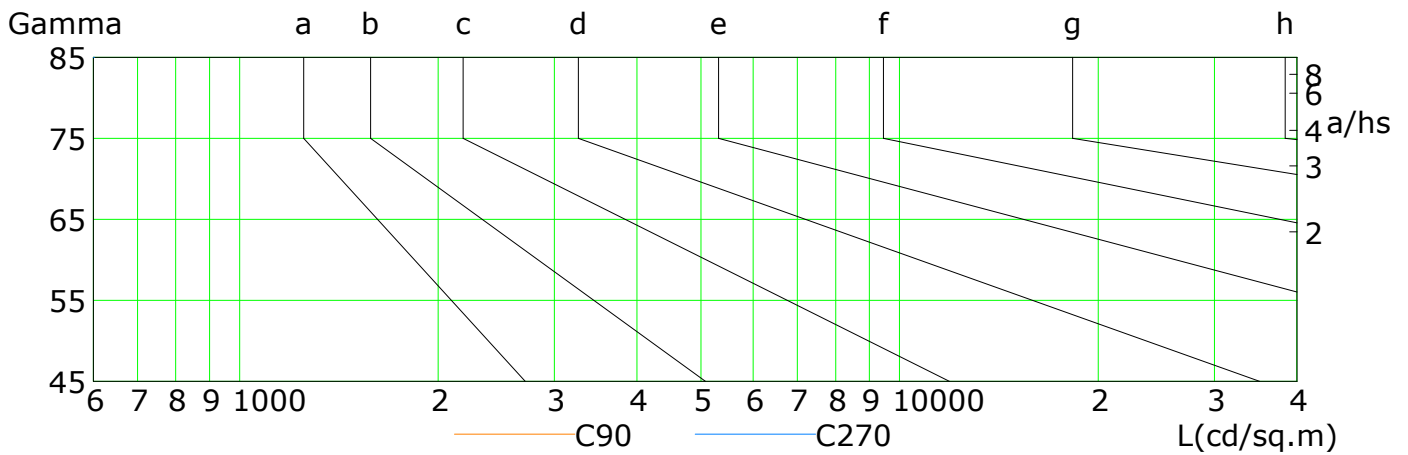
C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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

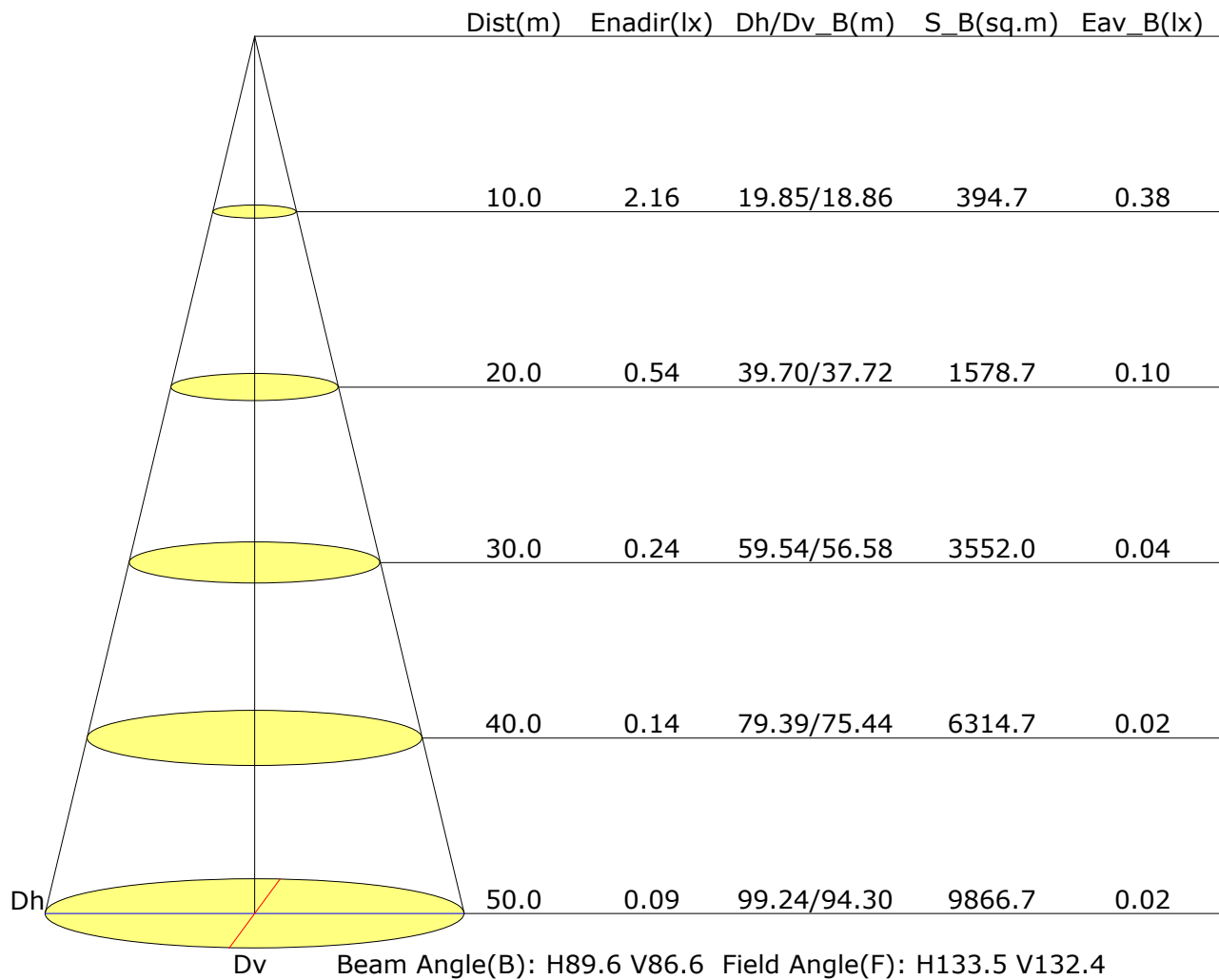


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	104	73	51	36	24	16	9	4	1
C90	68	46	32	24	17	12	7	4	1
C180	126	86	57	41	29	20	13	7	2
C270	71	49	35	25	18	11	5	0	0

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:

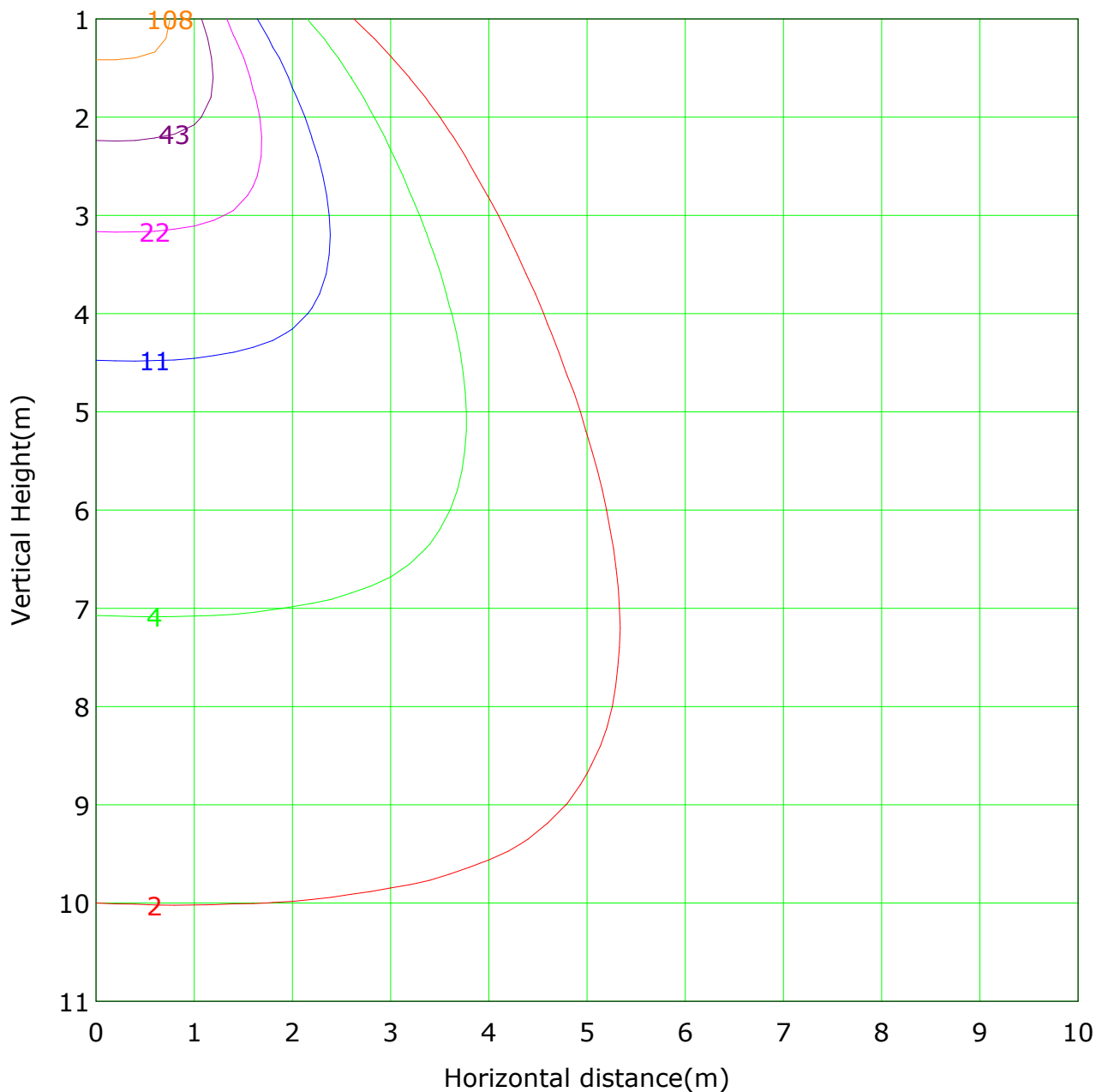
Illuminance at a Distance



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

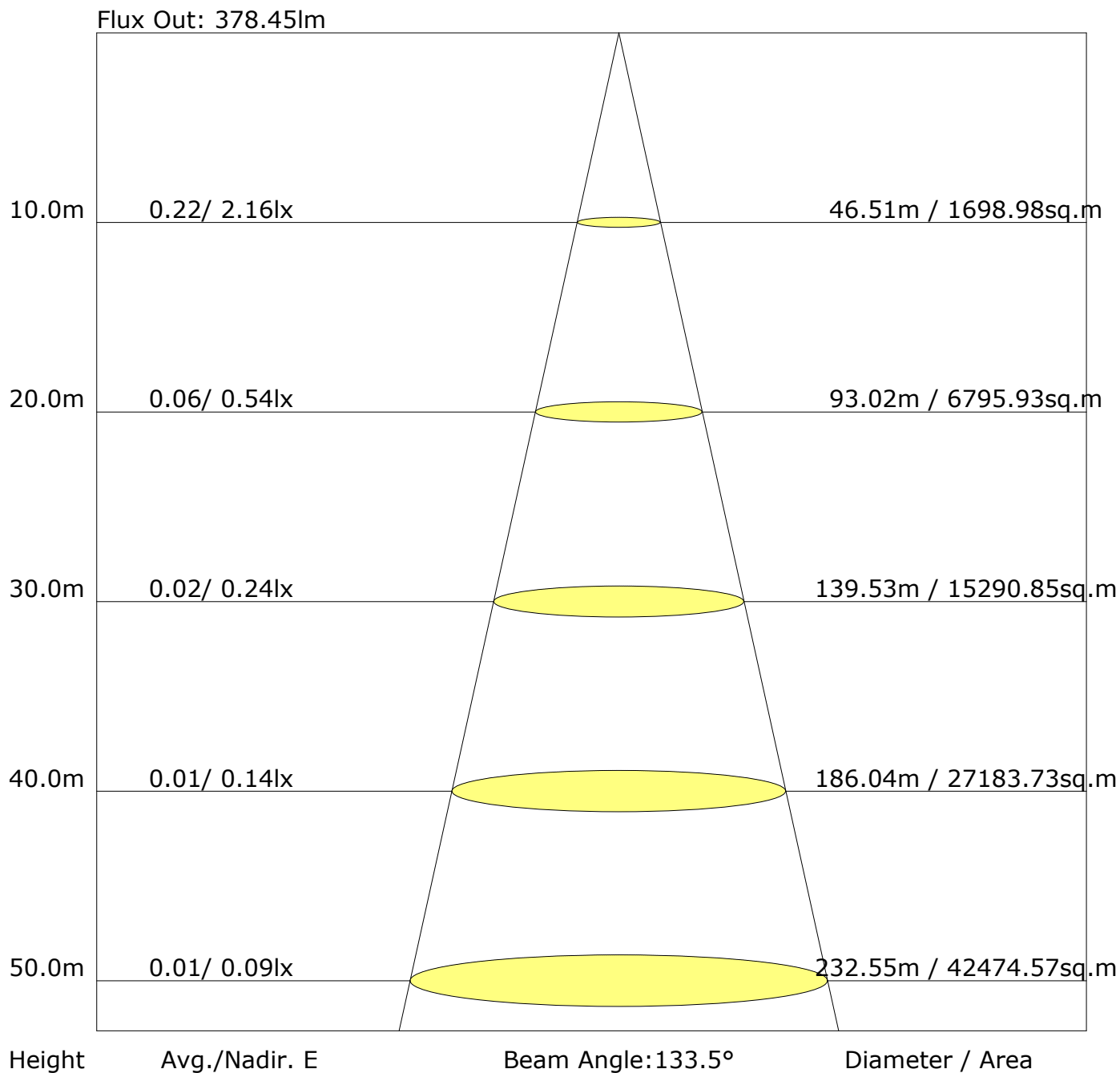


Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 216.3 lx

(1%): 2.2 lx	(2%): 4.3 lx
(5%): 10.8 lx	(10%): 21.6 lx
(20%): 43.3 lx	(50%): 108.2 lx
(100%): 216.3 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 401Im ($8\log(F/F_0) = -3.2$).

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	158.9	0.2	0.2	0.04	0.04
1.0-2.0	159.1	0.5	0.6	0.11	0.15
2.0-3.0	159.4	0.8	1.4	0.19	0.34
3.0-4.0	159.8	1.1	2.4	0.27	0.61
4.0-5.0	160.4	1.4	3.8	0.34	0.95
5.0-6.0	161.1	1.7	5.5	0.42	1.37
6.0-7.0	161.7	2.0	7.5	0.50	1.88
7.0-8.0	162.4	2.3	9.8	0.58	2.45
8.0-9.0	163.2	2.6	12.5	0.66	3.11
9.0-10.0	164.1	3.0	15.5	0.74	3.86
10.0-11.0	165.0	3.3	18.8	0.82	4.68
11.0-12.0	166.0	3.6	22.4	0.90	5.58
12.0-13.0	167.0	4.0	26.3	0.99	6.57
13.0-14.0	168.0	4.3	30.6	1.07	7.64
14.0-15.0	168.9	4.6	35.3	1.16	8.80
15.0-16.0	169.9	5.0	40.3	1.24	10.04
16.0-17.0	170.7	5.3	45.6	1.33	11.37
17.0-18.0	171.4	5.7	51.2	1.41	12.78
18.0-19.0	171.9	6.0	57.2	1.49	14.27
19.0-20.0	172.3	6.3	63.5	1.57	15.84
20.0-21.0	172.4	6.6	70.1	1.65	17.49
21.0-22.0	172.4	6.9	77.1	1.73	19.22
22.0-23.0	172.4	7.2	84.3	1.80	21.02
23.0-24.0	172.1	7.5	91.8	1.88	22.90
24.0-25.0	171.5	7.8	99.6	1.94	24.84
25.0-26.0	170.6	8.1	107.7	2.01	26.85
26.0-27.0	169.5	8.3	116.0	2.07	28.92
27.0-28.0	168.1	8.5	124.5	2.12	31.04
28.0-29.0	166.5	8.7	133.2	2.17	33.22
29.0-30.0	164.6	8.9	142.1	2.22	35.43
30.0-31.0	162.5	9.0	151.1	2.26	37.69
31.0-32.0	160.0	9.2	160.3	2.29	39.97
32.0-33.0	157.2	9.3	169.6	2.31	42.28
33.0-34.0	154.1	9.3	178.9	2.33	44.61
34.0-35.0	150.7	9.4	188.3	2.33	46.94
35.0-36.0	146.9	9.4	197.6	2.33	49.28

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	142.8	9.3	206.9	2.32	51.60
37.0-38.0	138.3	9.2	216.2	2.30	53.90
38.0-39.0	133.6	9.1	225.3	2.27	56.17
39.0-40.0	128.5	9.0	234.2	2.24	58.41
40.0-41.0	123.5	8.8	243.0	2.19	60.60
41.0-42.0	118.5	8.6	251.6	2.15	62.75
42.0-43.0	113.0	8.4	260.0	2.09	64.84
43.0-44.0	107.5	8.1	268.1	2.02	66.86
44.0-45.0	102.2	7.9	276.0	1.96	68.82
45.0-46.0	96.9	7.6	283.6	1.89	70.71
46.0-47.0	91.6	7.3	290.8	1.82	72.53
47.0-48.0	86.4	7.0	297.8	1.74	74.27
48.0-49.0	81.3	6.7	304.5	1.67	75.93
49.0-50.0	76.6	6.4	310.9	1.59	77.53
50.0-51.0	71.8	6.1	317.0	1.52	79.04
51.0-52.0	67.3	5.8	322.8	1.44	80.48
52.0-53.0	63.2	5.5	328.3	1.37	81.85
53.0-54.0	59.1	5.2	333.5	1.30	83.15
54.0-55.0	55.3	4.9	338.4	1.23	84.39
55.0-56.0	51.6	4.7	343.1	1.16	85.55
56.0-57.0	48.2	4.4	347.5	1.10	86.65
57.0-58.0	45.1	4.2	351.7	1.04	87.69
58.0-59.0	41.9	3.9	355.6	0.98	88.67
59.0-60.0	39.0	3.7	359.3	0.92	89.59
60.0-61.0	36.3	3.5	362.7	0.86	90.45
61.0-62.0	33.5	3.2	366.0	0.81	91.25
62.0-63.0	31.0	3.0	369.0	0.75	92.01
63.0-64.0	28.6	2.8	371.8	0.70	92.71
64.0-65.0	26.3	2.6	374.4	0.65	93.35
65.0-66.0	24.2	2.4	376.8	0.60	93.96
66.0-67.0	22.3	2.2	379.0	0.56	94.52
67.0-68.0	20.4	2.1	381.1	0.52	95.03
68.0-69.0	18.7	1.9	383.0	0.48	95.51
69.0-70.0	17.1	1.8	384.8	0.44	95.95
70.0-71.0	15.5	1.6	386.4	0.40	96.35
71.0-72.0	14.0	1.5	387.8	0.36	96.71

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	12.6	1.3	389.2	0.33	97.04
73.0-74.0	11.3	1.2	390.3	0.30	97.34
74.0-75.0	10.1	1.1	391.4	0.27	97.60
75.0-76.0	8.9	0.9	392.4	0.24	97.84
76.0-77.0	7.7	0.8	393.2	0.21	98.04
77.0-78.0	6.6	0.7	393.9	0.18	98.22
78.0-79.0	5.6	0.6	394.5	0.15	98.37
79.0-80.0	4.6	0.5	395.0	0.12	98.49
80.0-81.0	3.7	0.4	395.4	0.10	98.59
81.0-82.0	2.9	0.3	395.7	0.08	98.67
82.0-83.0	2.2	0.2	395.9	0.06	98.73
83.0-84.0	1.6	0.2	396.1	0.04	98.77
84.0-85.0	1.0	0.1	396.2	0.03	98.80
85.0-86.0	0.6	0.1	396.3	0.02	98.81
86.0-87.0	0.2	0.0	396.3	0.01	98.82
87.0-88.0	0.1	0.0	396.3	0.00	98.82
88.0-89.0	0.1	0.0	396.3	0.00	98.82
89.0-90.0	0.1	0.0	396.3	0.00	98.82
90.0-91.0	0.0	0.0	396.3	0.00	98.83
91.0-92.0	0.0	0.0	396.3	0.00	98.83
92.0-93.0	0.0	0.0	396.3	0.00	98.83
93.0-94.0	0.0	0.0	396.3	0.00	98.83
94.0-95.0	0.0	0.0	396.3	0.00	98.83
95.0-96.0	0.1	0.0	396.3	0.00	98.83
96.0-97.0	0.1	0.0	396.4	0.00	98.83
97.0-98.0	0.1	0.0	396.4	0.00	98.84
98.0-99.0	0.1	0.0	396.4	0.00	98.84
99.0-100.0	0.1	0.0	396.4	0.00	98.85
100.0-101.0	0.2	0.0	396.4	0.00	98.85
101.0-102.0	0.2	0.0	396.4	0.00	98.85
102.0-103.0	0.2	0.0	396.5	0.01	98.86
103.0-104.0	0.2	0.0	396.5	0.01	98.87
104.0-105.0	0.2	0.0	396.5	0.01	98.87
105.0-106.0	0.3	0.0	396.5	0.01	98.88
106.0-107.0	0.3	0.0	396.6	0.01	98.89
107.0-108.0	0.3	0.0	396.6	0.01	98.89

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	0.3	0.0	396.6	0.01	98.90
109.0-110.0	0.3	0.0	396.7	0.01	98.91
110.0-111.0	0.4	0.0	396.7	0.01	98.92
111.0-112.0	0.4	0.0	396.7	0.01	98.93
112.0-113.0	0.4	0.0	396.8	0.01	98.94
113.0-114.0	0.5	0.0	396.8	0.01	98.95
114.0-115.0	0.5	0.0	396.9	0.01	98.97
115.0-116.0	0.5	0.0	396.9	0.01	98.98
116.0-117.0	0.5	0.1	397.0	0.01	98.99
117.0-118.0	0.6	0.1	397.0	0.01	99.00
118.0-119.0	0.6	0.1	397.1	0.01	99.02
119.0-120.0	0.6	0.1	397.1	0.01	99.03
120.0-121.0	0.6	0.1	397.2	0.01	99.05
121.0-122.0	0.6	0.1	397.3	0.01	99.06
122.0-123.0	0.7	0.1	397.3	0.02	99.08
123.0-124.0	0.7	0.1	397.4	0.02	99.09
124.0-125.0	0.8	0.1	397.5	0.02	99.11
125.0-126.0	0.8	0.1	397.5	0.02	99.13
126.0-127.0	0.8	0.1	397.6	0.02	99.14
127.0-128.0	0.9	0.1	397.7	0.02	99.16
128.0-129.0	0.9	0.1	397.7	0.02	99.18
129.0-130.0	0.9	0.1	397.8	0.02	99.20
130.0-131.0	1.0	0.1	397.9	0.02	99.22
131.0-132.0	1.0	0.1	398.0	0.02	99.24
132.0-133.0	1.0	0.1	398.1	0.02	99.26
133.0-134.0	1.1	0.1	398.2	0.02	99.28
134.0-135.0	1.1	0.1	398.2	0.02	99.31
135.0-136.0	1.1	0.1	398.3	0.02	99.33
136.0-137.0	1.2	0.1	398.4	0.02	99.35
137.0-138.0	1.2	0.1	398.5	0.02	99.37
138.0-139.0	1.2	0.1	398.6	0.02	99.39
139.0-140.0	1.3	0.1	398.7	0.02	99.42
140.0-141.0	1.3	0.1	398.8	0.02	99.44
141.0-142.0	1.3	0.1	398.9	0.02	99.46
142.0-143.0	1.4	0.1	399.0	0.02	99.48
143.0-144.0	1.4	0.1	399.1	0.02	99.51

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	1.4	0.1	399.1	0.02	99.53
145.0-146.0	1.4	0.1	399.2	0.02	99.55
146.0-147.0	1.5	0.1	399.3	0.02	99.58
147.0-148.0	1.5	0.1	399.4	0.02	99.60
148.0-149.0	1.5	0.1	399.5	0.02	99.62
149.0-150.0	1.5	0.1	399.6	0.02	99.64
150.0-151.0	1.6	0.1	399.7	0.02	99.66
151.0-152.0	1.6	0.1	399.8	0.02	99.68
152.0-153.0	1.6	0.1	399.8	0.02	99.70
153.0-154.0	1.6	0.1	399.9	0.02	99.72
154.0-155.0	1.7	0.1	400.0	0.02	99.74
155.0-156.0	1.7	0.1	400.1	0.02	99.76
156.0-157.0	1.7	0.1	400.1	0.02	99.78
157.0-158.0	1.7	0.1	400.2	0.02	99.80
158.0-159.0	1.8	0.1	400.3	0.02	99.82
159.0-160.0	1.8	0.1	400.4	0.02	99.83
160.0-161.0	1.8	0.1	400.4	0.02	99.85
161.0-162.0	1.8	0.1	400.5	0.02	99.86
162.0-163.0	1.8	0.1	400.5	0.01	99.88
163.0-164.0	1.8	0.1	400.6	0.01	99.89
164.0-165.0	1.8	0.1	400.6	0.01	99.91
165.0-166.0	1.8	0.0	400.7	0.01	99.92
166.0-167.0	1.8	0.0	400.7	0.01	99.93
167.0-168.0	1.8	0.0	400.8	0.01	99.94
168.0-169.0	1.8	0.0	400.8	0.01	99.95
169.0-170.0	1.8	0.0	400.9	0.01	99.96
170.0-171.0	1.8	0.0	400.9	0.01	99.97
171.0-172.0	1.8	0.0	400.9	0.01	99.97
172.0-173.0	1.8	0.0	400.9	0.01	99.98
173.0-174.0	1.8	0.0	401.0	0.01	99.98
174.0-175.0	1.8	0.0	401.0	0.00	99.99
175.0-176.0	1.8	0.0	401.0	0.00	99.99
176.0-177.0	1.8	0.0	401.0	0.00	100.00
177.0-178.0	1.8	0.0	401.0	0.00	100.00
178.0-179.0	1.9	0.0	401.0	0.00	100.00
179.0-180.0	1.9	0.0	401.0	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=1.0000]
Humidity:
Inspector:

Zonal Lumen (Continue 5)

cone flux(90°): 275.99 lm

%lum = 68.8%
%lamp = 68.8%

cone flux(120°): 359.26 lm

%lum = 89.6%
%lamp = 89.6%

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	216.3	140.1	139.7	139.3	216.3	140.1	139.7	139.3	216.3	
G1.0	216.8	140.4	139.3	139.0	215.5	139.9	140.2	140.2	216.8	
G2.0	217.0	140.6	139.3	138.9	215.4	140.4	140.9	141.3	217.0	
G3.0	217.6	141.2	139.6	138.4	215.3	140.5	141.8	141.8	217.6	
G4.0	218.4	141.1	139.8	138.1	215.3	141.1	143.5	142.9	218.4	
G5.0	219.0	141.9	139.7	138.5	215.5	142.0	144.7	144.4	219.0	
G6.0	219.6	142.5	140.0	138.7	215.8	142.9	146.0	145.7	219.6	
G7.0	220.3	142.6	140.2	138.4	216.5	143.6	147.7	146.9	220.3	
G8.0	220.9	143.4	140.0	138.4	217.1	144.5	149.3	148.3	220.9	
G9.0	222.1	144.0	140.4	138.6	218.4	145.6	150.6	149.7	222.1	
G10.0	222.9	144.3	140.6	138.6	219.5	146.5	152.2	150.9	222.9	
G11.0	224.1	144.8	141.1	138.6	221.4	147.4	153.9	152.4	224.1	
G12.0	224.9	145.7	141.3	138.9	223.3	148.9	155.0	153.9	224.9	
G13.0	225.8	146.3	141.3	139.3	225.7	150.2	155.6	155.6	225.8	
G14.0	226.6	146.8	142.5	139.7	227.7	151.2	156.5	156.7	226.6	
G15.0	227.3	147.3	143.2	140.1	229.8	152.6	156.8	158.3	227.3	
G16.0	228.4	148.1	144.1	141.3	230.9	154.1	156.5	159.7	228.4	
G17.0	229.3	148.5	145.2	141.7	231.6	155.2	156.7	160.6	229.3	
G18.0	230.4	149.1	145.9	142.3	231.4	155.9	156.9	161.4	230.4	
G19.0	231.4	150.0	146.1	143.5	230.7	156.7	156.6	162.5	231.4	
G20.0	231.7	150.3	146.3	144.4	229.9	157.5	156.4	162.7	231.7	
G21.0	232.0	150.8	146.4	145.0	228.5	157.6	156.3	162.8	232.0	
G22.0	232.4	151.3	146.2	145.9	227.3	157.2	156.3	162.9	232.4	
G23.0	232.5	152.0	145.4	146.5	226.0	157.3	155.6	163.0	232.5	
G24.0	232.3	152.3	145.2	146.3	224.6	156.5	154.9	162.9	232.3	
G25.0	231.2	152.0	144.4	145.6	223.4	155.3	154.3	162.1	231.2	
G26.0	229.9	151.9	143.3	144.9	222.1	154.2	153.0	161.8	229.9	
G27.0	227.4	151.3	142.3	144.0	220.4	153.2	151.0	161.6	227.4	
G28.0	224.9	150.5	141.2	142.4	218.5	151.7	149.1	160.8	224.9	
G29.0	221.5	149.4	139.9	141.1	216.4	149.8	147.1	160.0	221.5	
G30.0	216.9	148.4	137.5	139.2	214.8	148.2	144.5	159.4	216.9	
G31.0	212.1	147.2	135.2	137.4	212.5	146.5	141.4	158.6	212.1	
G32.0	206.8	145.4	132.8	135.0	209.7	144.1	138.3	157.3	206.8	
G33.0	200.4	143.7	129.3	132.6	206.7	142.0	134.7	156.0	200.4	
G34.0	193.4	142.0	125.9	130.7	203.3	140.3	130.7	154.6	193.4	
G35.0	185.7	139.6	121.9	128.1	198.8	137.6	126.1	152.7	185.7	
G36.0	178.2	137.4	117.5	125.7	193.9	135.1	121.7	150.2	178.2	

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 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	170.3	135.3	112.6	123.3	187.9	132.1	115.9	147.8	170.3	
G38.0	161.1	132.4	106.9	120.4	181.7	129.7	110.3	145.1	161.1	
G39.0	153.0	129.3	101.8	117.5	175.3	126.4	104.7	141.5	153.0	
G40.0	143.9	126.0	95.3	114.3	167.5	123.0	98.6	138.0	143.9	
G41.0	135.7	122.9	90.0	111.4	160.2	119.9	94.1	134.7	135.7	
G42.0	127.4	119.5	84.3	108.2	152.1	116.7	87.7	131.0	127.4	
G43.0	118.8	115.2	78.3	104.2	143.7	112.6	82.0	126.5	118.8	
G44.0	110.9	111.5	72.6	100.6	135.3	109.1	76.6	122.2	110.9	
G45.0	104.0	107.4	67.5	97.1	126.4	105.1	70.8	117.8	104.0	
G46.0	96.0	102.9	62.1	94.1	118.3	101.4	65.8	113.0	96.0	
G47.0	90.1	98.6	57.5	89.1	109.8	97.4	61.2	108.4	90.1	
G48.0	83.4	94.0	52.6	84.8	101.4	94.1	56.3	103.5	83.4	
G49.0	78.0	89.9	48.5	81.0	93.9	89.6	52.2	98.4	78.0	
G50.0	72.6	85.3	45.6	76.8	86.3	85.3	48.5	94.2	72.6	
G51.0	67.4	80.5	42.0	72.5	78.6	80.9	45.2	87.9	67.4	
G52.0	63.0	76.1	39.3	68.6	72.7	76.9	42.2	83.2	63.0	
G53.0	58.9	71.7	37.0	65.0	66.8	72.7	39.2	77.6	58.9	
G54.0	54.7	67.2	34.5	60.6	61.9	69.0	37.0	72.6	54.7	
G55.0	51.1	63.1	32.3	57.0	57.5	64.9	34.6	67.7	51.1	
G56.0	46.8	58.7	30.4	53.0	53.4	60.9	32.3	62.5	46.8	
G57.0	44.4	54.8	28.4	49.5	50.1	57.1	30.5	58.0	44.4	
G58.0	41.5	50.8	26.9	47.1	46.9	53.2	28.4	53.3	41.5	
G59.0	38.5	47.0	25.0	43.1	43.7	49.8	26.5	49.2	38.5	
G60.0	35.8	43.9	23.6	39.9	41.0	47.1	24.9	45.8	35.8	
G61.0	33.2	40.6	22.2	36.8	38.0	43.0	23.3	41.5	33.2	
G62.0	30.8	37.3	20.6	34.0	35.6	39.7	21.6	38.0	30.8	
G63.0	28.5	34.4	19.3	31.4	33.2	36.8	20.2	34.8	28.5	
G64.0	26.2	31.3	18.0	28.8	30.8	33.6	18.7	31.5	26.2	
G65.0	24.1	28.9	16.7	26.5	28.8	31.0	17.6	28.7	24.1	
G66.0	22.4	26.5	15.7	24.4	26.6	28.2	16.2	25.8	22.4	
G67.0	20.5	24.0	14.5	22.3	24.8	25.9	15.0	23.5	20.5	
G68.0	18.8	22.1	13.5	20.4	23.2	23.6	13.9	21.3	18.8	
G69.0	17.3	20.1	12.6	18.8	21.4	21.3	12.7	18.9	17.3	
G70.0	15.6	18.4	11.6	16.9	19.8	19.5	11.4	17.2	15.6	
G71.0	14.4	16.5	10.7	15.5	18.4	17.6	9.4	15.5	14.4	
G72.0	12.9	14.9	9.8	13.9	16.8	15.8	8.1	13.7	12.9	
G73.0	11.7	13.4	9.0	12.6	15.5	14.3	7.1	12.4	11.7	

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:

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	10.6	12.1	8.2	11.4	14.1	12.6	5.5	10.8	10.6	
G75.0	9.3	10.7	7.3	10.1	12.8	11.3	4.7	9.7	9.3	
G76.0	8.2	9.5	6.6	9.1	11.6	9.9	3.4	8.1	8.2	
G77.0	7.3	8.5	5.6	8.1	10.1	8.2	2.5	6.8	7.3	
G78.0	6.0	7.3	4.8	7.1	8.9	6.8	1.7	5.6	6.0	
G79.0	5.2	6.3	4.2	6.2	7.6	5.8	0.8	4.6	5.2	
G80.0	4.3	5.2	3.5	5.2	6.5	4.4	0.1	3.5	4.3	
G81.0	3.5	4.1	3.0	4.3	5.5	3.2	0.0	2.6	3.5	
G82.0	2.7	3.1	2.3	3.3	4.4	2.3	0.0	1.8	2.7	
G83.0	2.1	2.2	1.8	2.5	3.4	1.6	0.0	1.2	2.1	
G84.0	1.3	1.5	1.3	1.9	2.6	0.9	0.0	0.8	1.3	
G85.0	0.8	0.9	0.8	1.3	1.5	0.5	0.0	0.4	0.8	
G86.0	0.4	0.5	0.4	0.7	0.7	0.2	0.0	0.2	0.4	
G87.0	0.0	0.2	0.1	0.3	0.0	0.1	0.0	0.0	0.0	
G88.0	0.0	0.1	0.0	0.2	0.0	0.1	0.1	0.1	0.0	
G89.0	0.0	0.1	0.2	0.2	0.0	0.1	0.2	0.0	0.0	
G90.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	
G91.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	
G92.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	
G93.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.0	
G94.0	0.0	0.2	0.0	0.1	0.0	0.0	0.1	0.0	0.0	
G95.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G96.0	0.0	0.1	0.1	0.2	0.0	0.1	0.1	0.1	0.0	
G97.0	0.1	0.2	0.1	0.2	0.0	0.2	0.2	0.0	0.1	
G98.0	0.0	0.2	0.1	0.2	0.0	0.2	0.2	0.2	0.0	
G99.0	0.1	0.2	0.1	0.2	0.0	0.2	0.2	0.3	0.1	
G100.0	0.0	0.3	0.1	0.1	0.0	0.2	0.2	0.2	0.0	
G101.0	0.0	0.2	0.1	0.2	0.0	0.2	0.3	0.3	0.0	
G102.0	0.1	0.1	0.1	0.2	0.1	0.3	0.2	0.3	0.1	
G103.0	0.2	0.3	0.2	0.3	0.1	0.4	0.3	0.3	0.2	
G104.0	0.1	0.3	0.2	0.3	0.1	0.3	0.3	0.4	0.1	
G105.0	0.0	0.2	0.2	0.3	0.1	0.2	0.3	0.4	0.0	
G106.0	0.2	0.3	0.2	0.3	0.1	0.4	0.4	0.3	0.2	
G107.0	0.2	0.1	0.2	0.3	0.2	0.4	0.3	0.4	0.2	
G108.0	0.2	0.3	0.3	0.3	0.1	0.4	0.4	0.4	0.2	
G109.0	0.3	0.3	0.2	0.4	0.3	0.4	0.4	0.4	0.3	
G110.0	0.3	0.4	0.3	0.4	0.3	0.4	0.3	0.5	0.3	

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 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	0.3	0.4	0.4	0.3	0.4	0.4	0.4	0.5	0.3	
G112.0	0.2	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.2	
G113.0	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4	0.4	
G114.0	0.4	0.5	0.4	0.4	0.5	0.5	0.6	0.5	0.4	
G115.0	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.4	
G116.0	0.5	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.5	
G117.0	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.5	
G118.0	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.4	
G119.0	0.6	0.5	0.4	0.6	0.7	0.6	0.5	0.6	0.6	
G120.0	0.5	0.6	0.5	0.6	0.7	0.6	0.6	0.6	0.5	
G121.0	0.6	0.6	0.6	0.7	0.8	0.6	0.7	0.6	0.6	
G122.0	0.7	0.4	0.6	0.7	0.8	0.7	0.7	0.6	0.7	
G123.0	0.8	0.7	0.7	0.7	0.8	0.7	0.7	0.6	0.8	
G124.0	0.8	0.6	0.6	0.8	0.9	0.7	0.8	0.7	0.8	
G125.0	0.8	0.7	0.7	0.8	1.1	0.8	0.7	0.8	0.8	
G126.0	0.8	0.6	0.7	0.8	1.0	0.7	0.7	0.7	0.8	
G127.0	0.9	0.9	0.7	0.9	1.1	0.8	0.8	0.8	0.9	
G128.0	0.9	0.9	0.8	1.0	1.1	0.8	0.8	0.7	0.9	
G129.0	0.9	0.9	0.8	1.0	1.3	0.8	0.8	0.8	0.9	
G130.0	0.9	1.0	0.8	1.0	1.3	0.8	0.9	0.9	0.9	
G131.0	1.0	0.9	0.9	1.0	1.4	0.8	0.8	0.9	1.0	
G132.0	1.1	1.0	0.9	0.9	1.4	0.8	0.9	0.9	1.1	
G133.0	1.1	1.0	1.0	1.1	1.5	1.0	0.9	0.9	1.1	
G134.0	1.1	1.0	1.0	1.2	1.6	0.9	0.9	1.0	1.1	
G135.0	1.1	1.1	1.1	1.1	1.5	1.0	1.0	1.0	1.1	
G136.0	1.3	1.1	1.1	1.2	1.6	1.0	1.0	1.0	1.3	
G137.0	1.3	1.2	1.2	1.2	1.7	1.0	1.0	1.0	1.3	
G138.0	1.3	1.2	1.1	1.2	1.7	1.1	1.0	1.0	1.3	
G139.0	1.3	1.2	1.2	1.2	1.8	1.1	1.1	1.2	1.3	
G140.0	1.4	1.2	1.3	1.2	1.9	1.1	1.0	1.2	1.4	
G141.0	1.4	1.3	1.3	1.3	1.9	1.2	1.1	1.2	1.4	
G142.0	1.4	1.3	1.3	1.3	1.9	1.1	1.3	1.2	1.4	
G143.0	1.3	1.3	1.4	1.3	2.0	1.2	1.2	1.3	1.3	
G144.0	1.4	1.3	1.4	1.4	2.1	1.3	1.2	1.4	1.4	
G145.0	1.5	1.4	1.3	1.5	2.1	1.2	1.2	1.2	1.5	
G146.0	1.4	1.4	1.5	1.4	2.3	1.3	1.1	1.4	1.4	
G147.0	1.5	1.4	1.5	1.4	2.2	1.4	1.2	1.4	1.5	

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 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	1.6	1.4	1.5	1.4	2.2	1.3	1.3	1.4	1.6	
G149.0	1.5	1.3	1.5	1.4	2.3	1.4	1.3	1.4	1.5	
G150.0	1.6	1.5	1.5	1.5	2.3	1.5	1.3	1.4	1.6	
G151.0	1.5	1.4	1.6	1.4	2.3	1.4	1.4	1.5	1.5	
G152.0	1.6	1.4	1.5	1.5	2.4	1.5	1.4	1.5	1.6	
G153.0	1.7	1.5	1.7	1.6	2.4	1.4	1.3	1.5	1.7	
G154.0	1.6	1.5	1.5	1.5	2.4	1.5	1.4	1.6	1.6	
G155.0	1.7	1.5	1.5	1.6	2.6	1.6	1.4	1.6	1.7	
G156.0	1.7	1.5	1.6	1.5	2.5	1.6	1.5	1.5	1.7	
G157.0	1.7	1.5	1.6	1.7	2.6	1.6	1.5	1.6	1.7	
G158.0	1.7	1.6	1.7	1.6	2.7	1.7	1.5	1.7	1.7	
G159.0	1.7	1.5	1.8	1.7	2.7	1.6	1.5	1.6	1.7	
G160.0	1.8	1.6	1.6	1.6	2.8	1.7	1.5	1.6	1.8	
G161.0	1.7	1.6	1.7	1.7	2.6	1.6	1.5	1.6	1.7	
G162.0	1.7	1.5	1.6	1.6	2.6	1.8	1.6	1.7	1.7	
G163.0	1.7	1.6	1.8	1.7	2.7	1.7	1.5	1.7	1.7	
G164.0	1.8	1.6	1.7	1.6	2.6	1.7	1.6	1.7	1.8	
G165.0	1.8	1.6	1.8	1.7	2.5	1.7	1.4	1.5	1.8	
G166.0	1.8	1.7	1.8	1.7	2.4	1.7	1.5	1.7	1.8	
G167.0	1.9	1.7	1.7	1.7	2.5	1.6	1.5	1.6	1.9	
G168.0	1.8	1.6	1.8	1.7	2.4	1.6	1.5	1.7	1.8	
G169.0	1.9	1.8	1.8	1.7	2.5	1.6	1.4	1.7	1.9	
G170.0	1.8	1.7	1.8	1.8	2.5	1.5	1.5	1.6	1.8	
G171.0	1.9	1.8	1.8	1.8	2.5	1.6	1.5	1.7	1.9	
G172.0	1.8	1.7	1.7	1.7	2.4	1.5	1.4	1.6	1.8	
G173.0	1.8	1.8	1.7	1.8	2.5	1.5	1.5	1.7	1.8	
G174.0	1.9	1.7	1.8	1.7	2.5	1.5	1.4	1.6	1.9	
G175.0	1.7	1.8	1.8	1.7	2.7	1.6	1.5	1.5	1.7	
G176.0	1.8	1.7	1.8	1.8	2.7	1.6	1.5	1.6	1.8	
G177.0	1.8	1.8	1.8	1.7	2.8	1.5	1.5	1.6	1.8	
G178.0	1.8	1.9	1.9	1.8	2.9	1.5	1.5	1.5	1.8	
G179.0	1.8	1.8	1.8	1.8	2.9	1.6	1.7	1.6	1.8	
G180.0	1.7	1.7	1.7	1.6	3.2	1.8	1.7	1.6	1.7	

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: