

Report No.:

Test Time: 2025-10-07 11:32

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: SUBSOL/120W-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: 761.1 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(50%): H89.2

Vertical Diffuse Angle(50%): V88.1

Luminous Efficacy (lm/w): 761.05

Max. Intensity: 458.18 cd

S/MH(C0/C180): 1.38

Total Rated Lamp Lumens: 761.1 lm

Efficiency: 100%

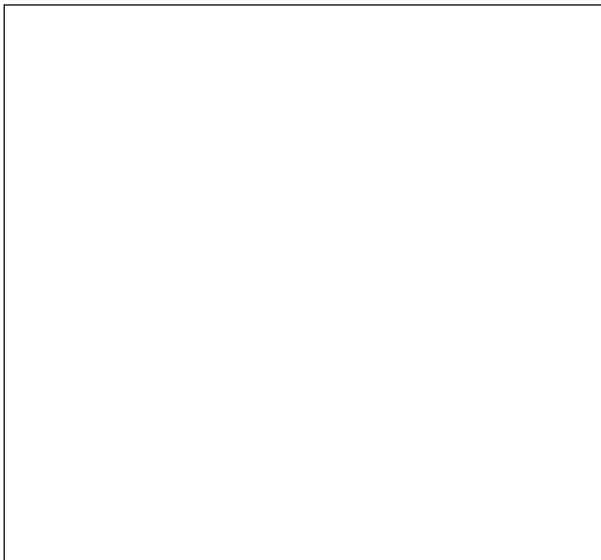
Upward Ratio: 1%

C0r0 Intensity: 422.84 cd

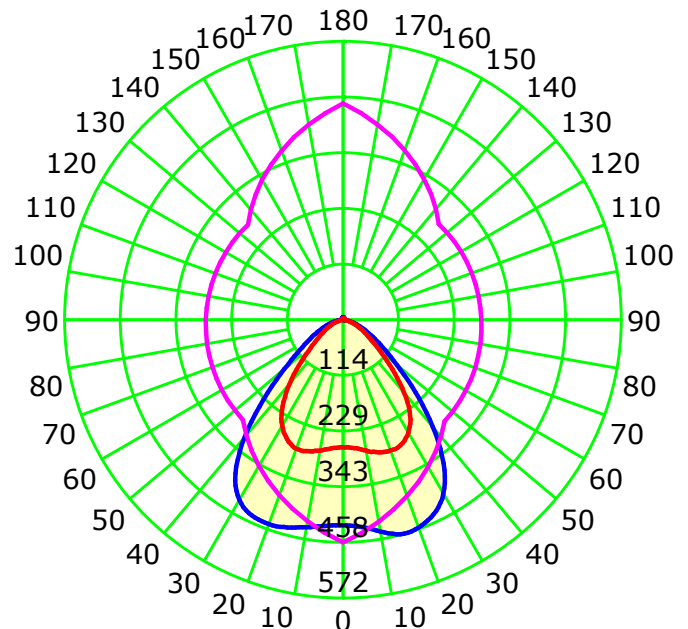
Pos of Max. Intensity: H0 V17

S/MH(C90/C270): 1.37

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 88.4°

— C0-C180 — C90-C270 — G17

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

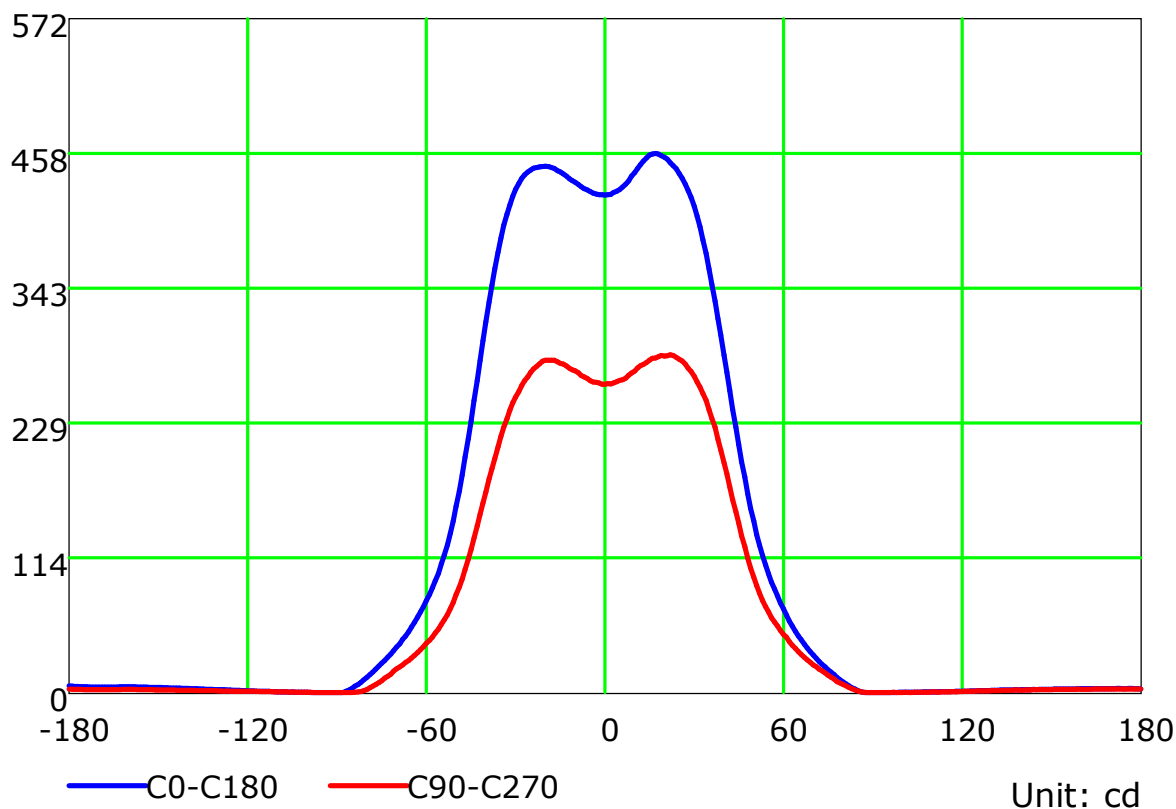
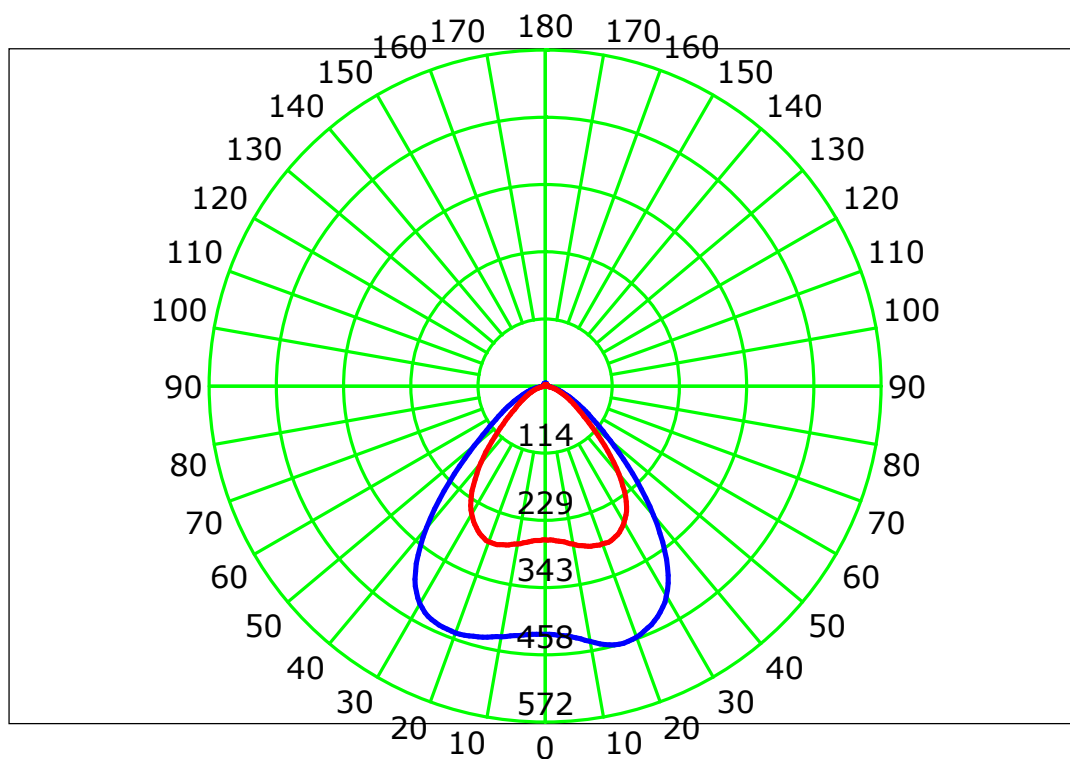
Test Device: GPM-1600L

Distance: 9.903 m [K=1.0000]

Humidity:

Inspector:

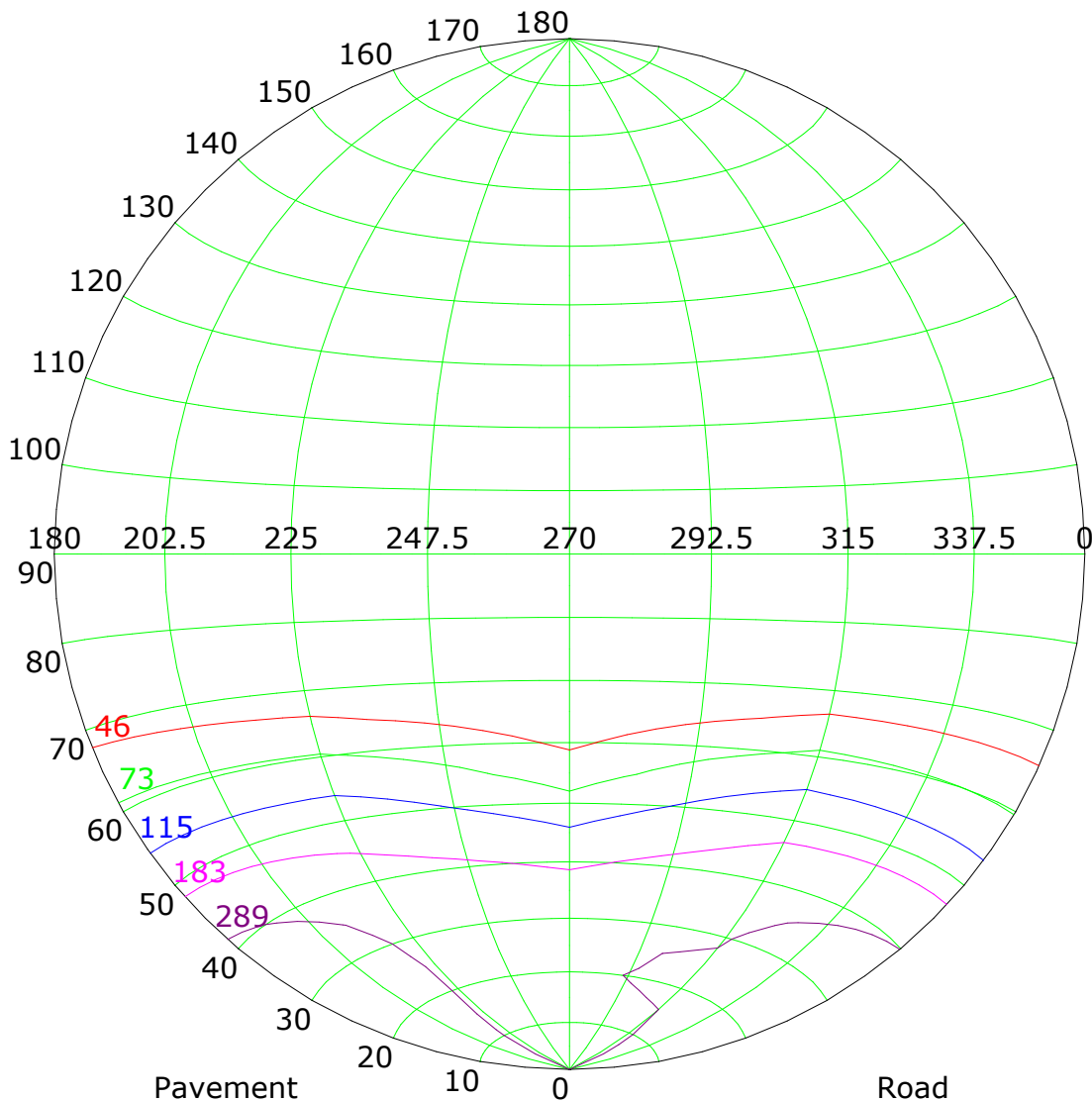
Luminous Intensity Distribution Curve



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%): 458 cd

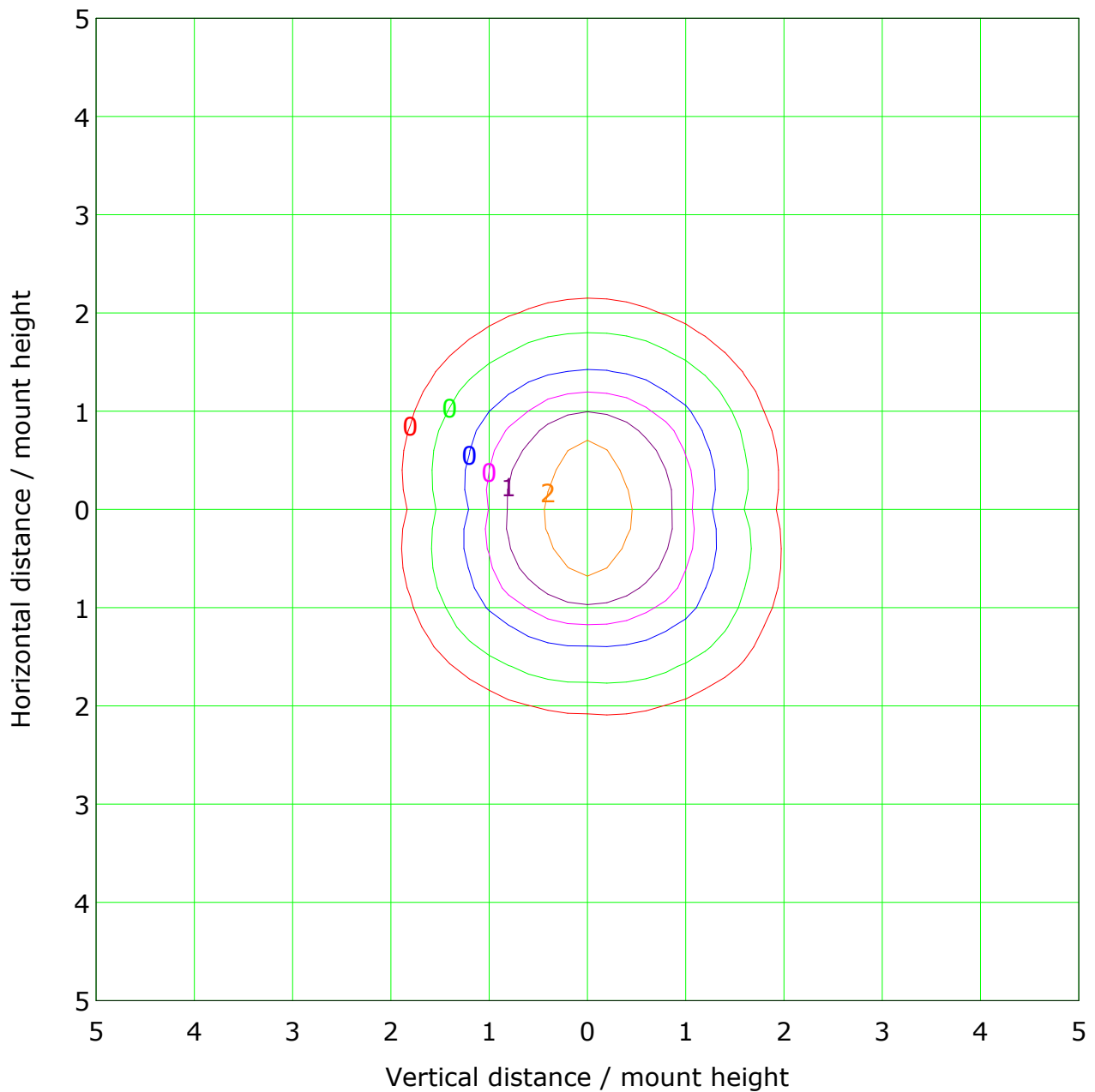
(10%): 46 cd
(25%): 115 cd
(63%): 289 cd

(16%): 73 cd
(40%): 183 cd
(100%): 458 cd

CIE: narrow - short
CIE: Full-cut-off luminaire
Max.At90: 0.276 cd/klm

IES: Cut-off
Max.At80: 16.937 cd/klm
Max.80-90: 16.937 cd/klm

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 4.2 lx

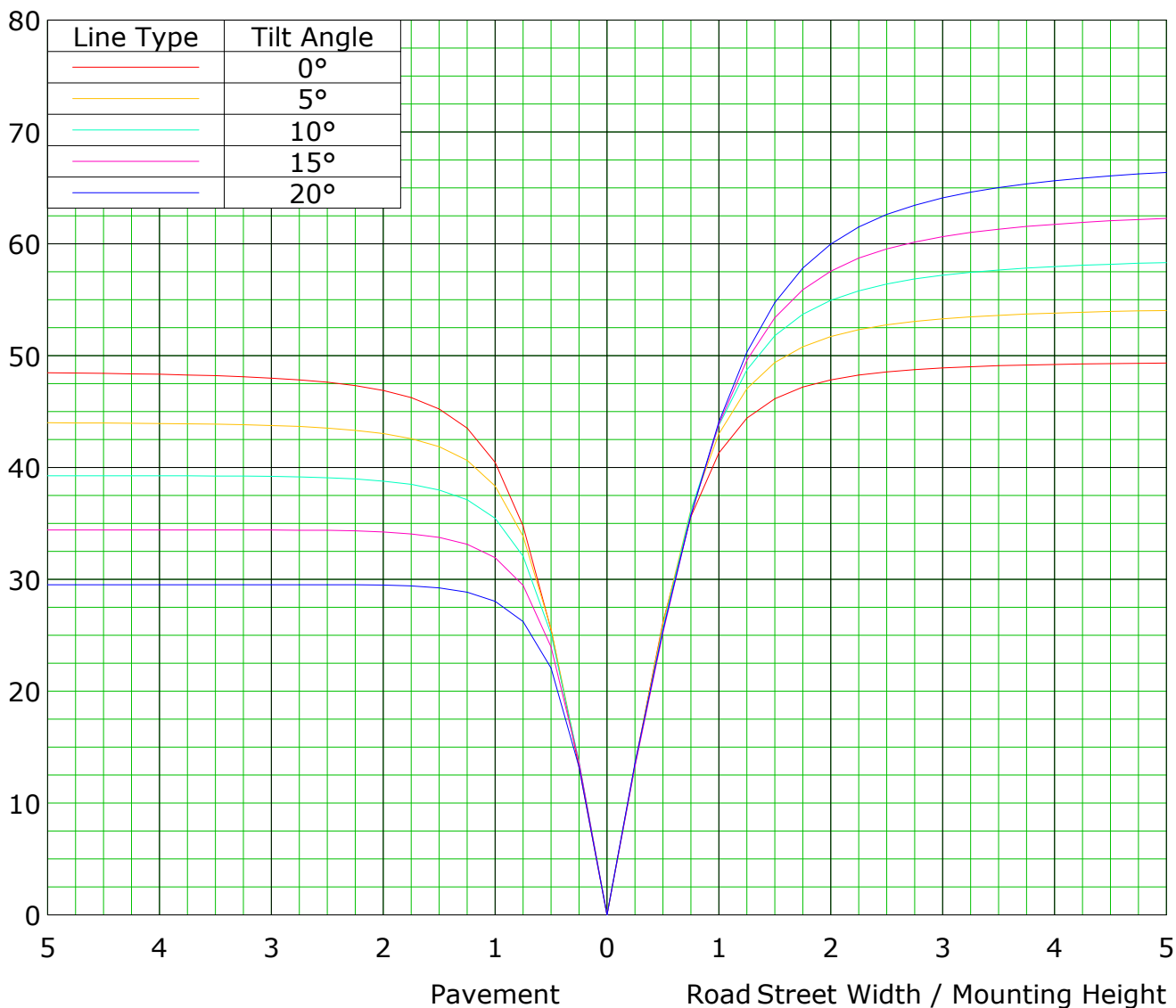
(1%): 0.0 lx	(2%): 0.1 lx
(5%): 0.2 lx	(10%): 0.4 lx
(20%): 0.8 lx	(50%): 2.1 lx
(100%): 4.2 lx	

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(%)

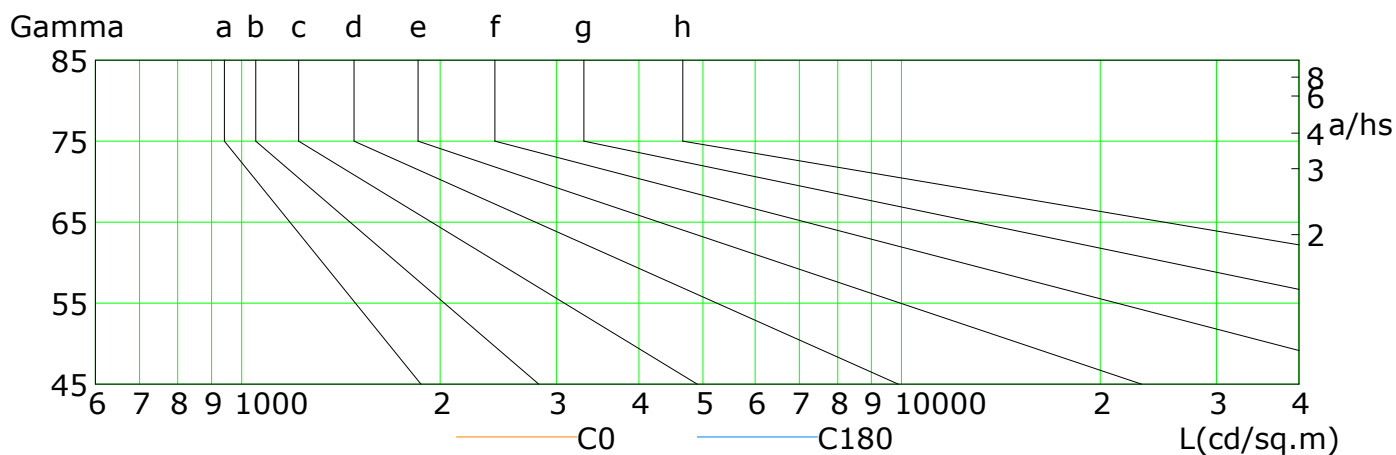
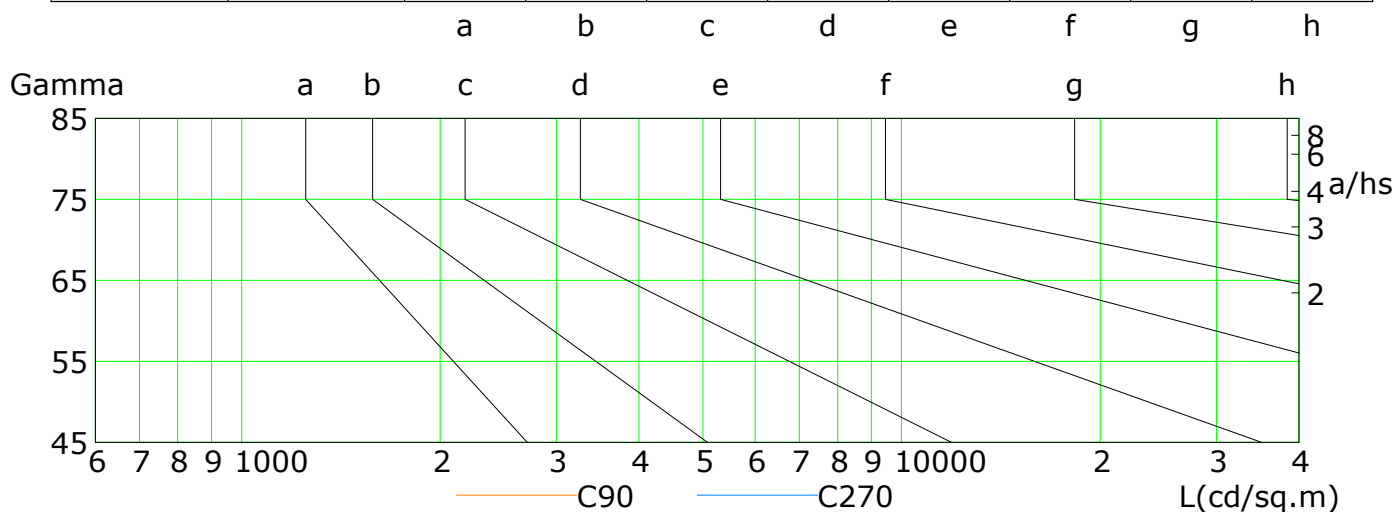


C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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

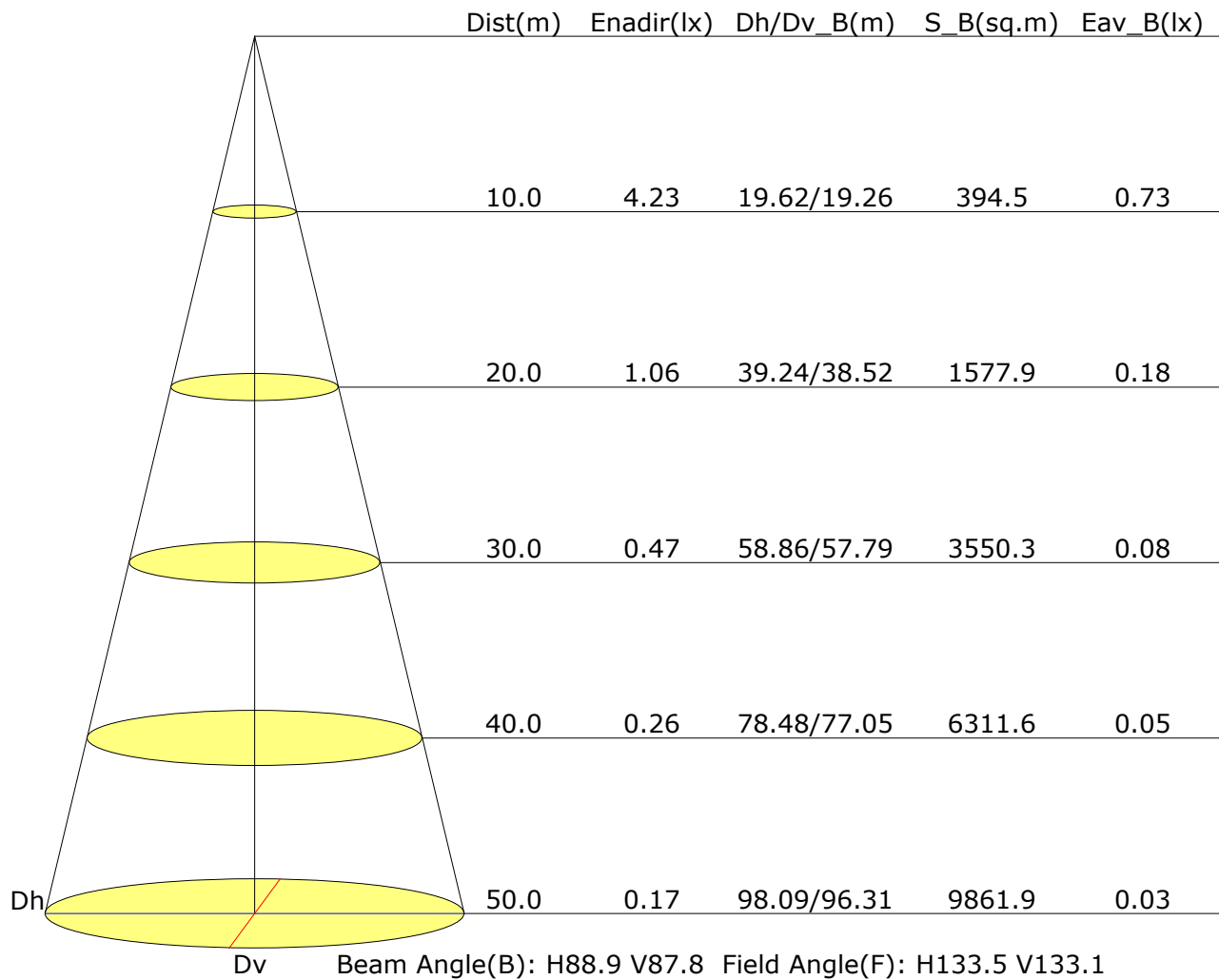


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	211	146	101	71	48	32	19	9	2
C90	144	98	69	50	35	24	15	7	2
C180	231	158	109	78	56	39	25	13	4
C270	122	83	58	42	30	20	10	3	0

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:

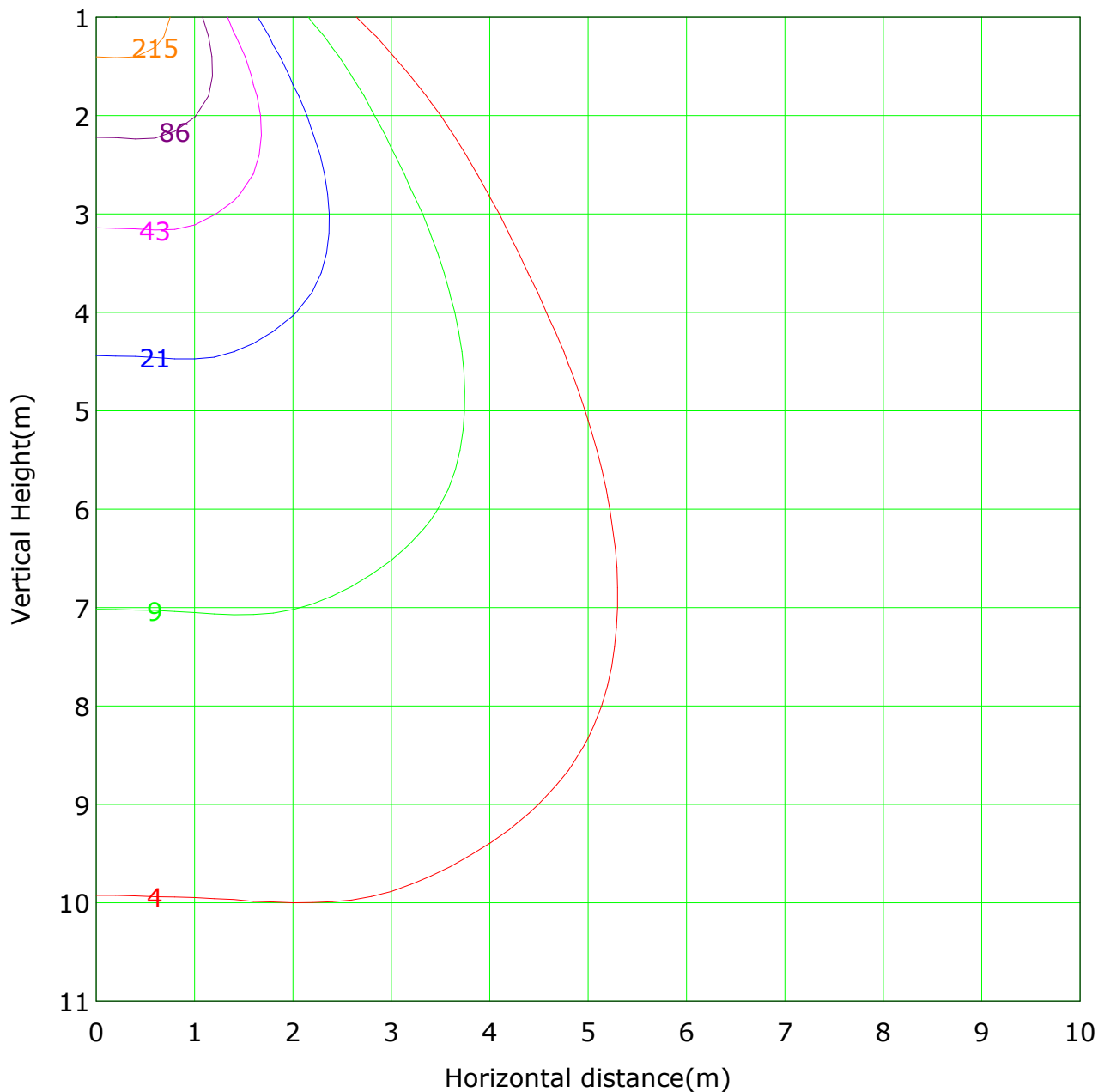
Illuminance at a Distance



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: 429.3 lx

— (1%): 4.3 lx — (2%): 8.6 lx

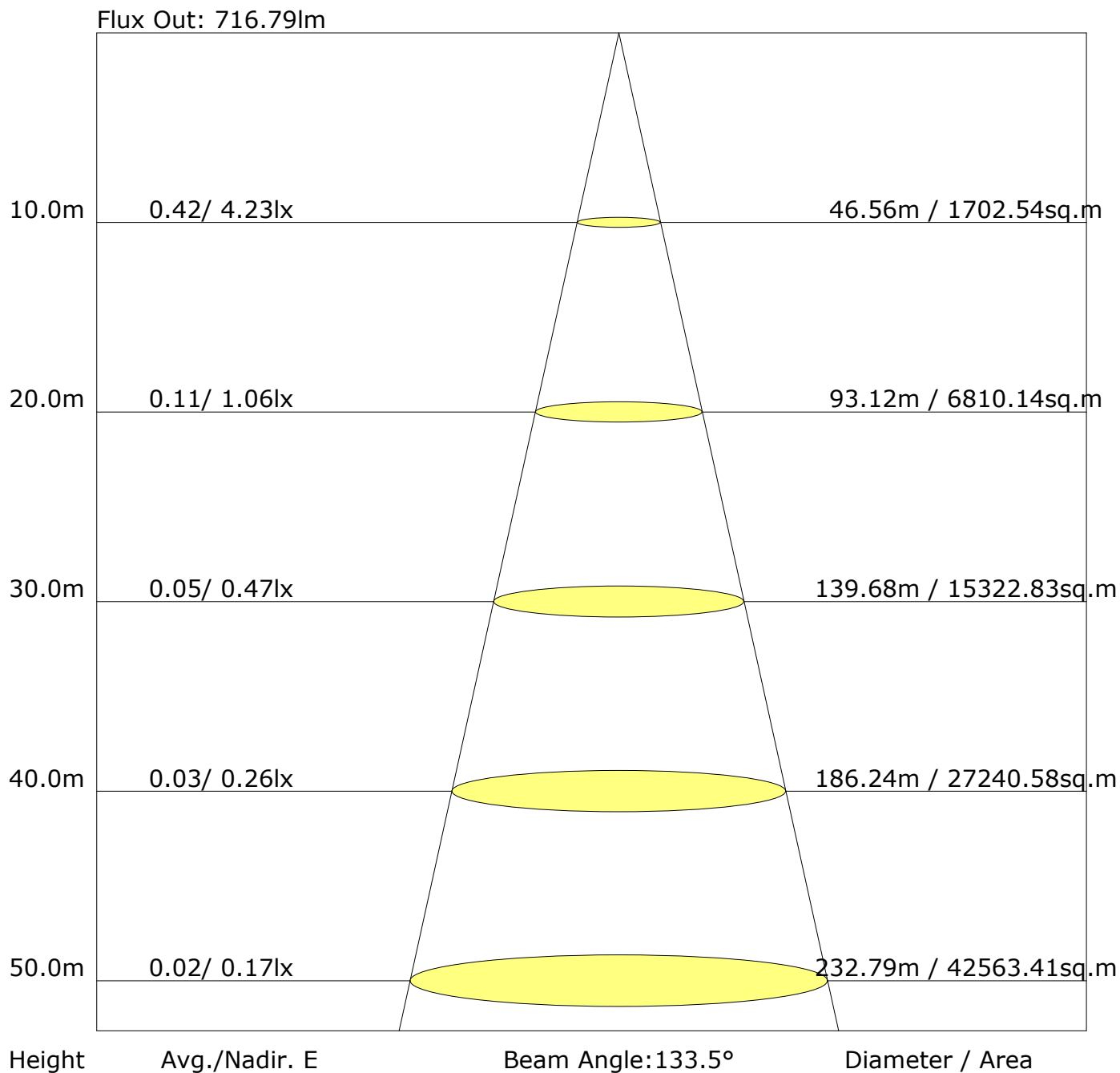
— (5%): 21.5 lx — (10%): 42.9 lx

— (20%): 85.9 lx — (50%): 214.7 lx

— (100%): 429.3 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 761lm ($8\log(F/F_0) = -0.9$).

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	302.6	0.3	0.3	0.04	0.04
1.0-2.0	302.8	0.9	1.2	0.11	0.15
2.0-3.0	303.3	1.5	2.6	0.19	0.34
3.0-4.0	304.0	2.0	4.6	0.27	0.61
4.0-5.0	304.9	2.6	7.3	0.34	0.96
5.0-6.0	306.1	3.2	10.5	0.42	1.38
6.0-7.0	307.5	3.8	14.3	0.50	1.88
7.0-8.0	309.0	4.4	18.7	0.58	2.46
8.0-9.0	310.9	5.0	23.8	0.66	3.12
9.0-10.0	313.0	5.7	29.4	0.74	3.87
10.0-11.0	315.0	6.3	35.7	0.83	4.69
11.0-12.0	317.2	6.9	42.7	0.91	5.61
12.0-13.0	319.2	7.6	50.2	1.00	6.60
13.0-14.0	321.3	8.2	58.5	1.08	7.68
14.0-15.0	323.2	8.9	67.3	1.17	8.85
15.0-16.0	324.7	9.5	76.9	1.25	10.10
16.0-17.0	326.1	10.2	87.0	1.33	11.43
17.0-18.0	327.1	10.8	97.8	1.42	12.85
18.0-19.0	327.9	11.4	109.2	1.50	14.35
19.0-20.0	328.4	12.0	121.2	1.58	15.93
20.0-21.0	328.6	12.6	133.8	1.66	17.59
21.0-22.0	328.4	13.2	147.0	1.73	19.32
22.0-23.0	327.9	13.8	160.8	1.81	21.13
23.0-24.0	327.0	14.3	175.1	1.88	23.01
24.0-25.0	325.6	14.8	189.9	1.95	24.95
25.0-26.0	323.7	15.3	205.2	2.01	26.96
26.0-27.0	321.4	15.7	220.9	2.07	29.03
27.0-28.0	318.7	16.1	237.1	2.12	31.15
28.0-29.0	315.4	16.5	253.6	2.17	33.32
29.0-30.0	311.6	16.8	270.4	2.21	35.53
30.0-31.0	307.2	17.1	287.5	2.25	37.77
31.0-32.0	302.4	17.3	304.8	2.28	40.05
32.0-33.0	296.9	17.5	322.3	2.30	42.35
33.0-34.0	290.8	17.6	339.9	2.31	44.66
34.0-35.0	283.9	17.6	357.5	2.32	46.98
35.0-36.0	276.4	17.6	375.1	2.31	49.29

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	268.5	17.5	392.6	2.30	51.59
37.0-38.0	259.9	17.4	410.0	2.28	53.87
38.0-39.0	251.3	17.2	427.1	2.25	56.13
39.0-40.0	242.0	16.9	444.0	2.22	58.34
40.0-41.0	232.3	16.5	460.6	2.17	60.52
41.0-42.0	222.7	16.2	476.8	2.13	62.64
42.0-43.0	212.6	15.8	492.5	2.07	64.71
43.0-44.0	202.4	15.3	507.8	2.01	66.72
44.0-45.0	192.4	14.8	522.6	1.94	68.67
45.0-46.0	182.3	14.3	536.8	1.87	70.54
46.0-47.0	172.6	13.7	550.6	1.80	72.34
47.0-48.0	162.8	13.2	563.7	1.73	74.07
48.0-49.0	153.2	12.6	576.3	1.65	75.73
49.0-50.0	144.3	12.0	588.3	1.58	77.31
50.0-51.0	135.6	11.5	599.8	1.51	78.81
51.0-52.0	127.2	10.9	610.7	1.43	80.25
52.0-53.0	119.4	10.4	621.1	1.36	81.61
53.0-54.0	111.8	9.9	631.0	1.29	82.91
54.0-55.0	104.7	9.4	640.3	1.23	84.14
55.0-56.0	97.9	8.9	649.2	1.16	85.30
56.0-57.0	91.5	8.4	657.5	1.10	86.40
57.0-58.0	85.6	7.9	665.5	1.04	87.44
58.0-59.0	79.7	7.5	672.9	0.98	88.42
59.0-60.0	74.2	7.0	679.9	0.92	89.34
60.0-61.0	69.1	6.6	686.5	0.87	90.20
61.0-62.0	64.1	6.2	692.7	0.81	91.02
62.0-63.0	59.4	5.8	698.5	0.76	91.78
63.0-64.0	54.8	5.4	703.8	0.71	92.48
64.0-65.0	50.5	5.0	708.8	0.66	93.14
65.0-66.0	46.7	4.7	713.5	0.61	93.75
66.0-67.0	43.0	4.3	717.8	0.57	94.32
67.0-68.0	39.5	4.0	721.8	0.53	94.85
68.0-69.0	36.3	3.7	725.5	0.49	95.33
69.0-70.0	33.2	3.4	728.9	0.45	95.78
70.0-71.0	30.3	3.1	732.1	0.41	96.19
71.0-72.0	27.5	2.9	734.9	0.38	96.57

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	24.8	2.6	737.5	0.34	96.91
73.0-74.0	22.4	2.4	739.9	0.31	97.22
74.0-75.0	20.0	2.1	742.0	0.28	97.50
75.0-76.0	17.8	1.9	743.9	0.25	97.75
76.0-77.0	15.7	1.7	745.6	0.22	97.97
77.0-78.0	13.5	1.4	747.0	0.19	98.16
78.0-79.0	11.5	1.2	748.3	0.16	98.32
79.0-80.0	9.6	1.0	749.3	0.14	98.45
80.0-81.0	7.8	0.8	750.1	0.11	98.56
81.0-82.0	6.1	0.7	750.8	0.09	98.65
82.0-83.0	4.6	0.5	751.3	0.07	98.72
83.0-84.0	3.4	0.4	751.7	0.05	98.77
84.0-85.0	2.2	0.2	751.9	0.03	98.80
85.0-86.0	1.3	0.1	752.0	0.02	98.82
86.0-87.0	0.7	0.1	752.1	0.01	98.83
87.0-88.0	0.3	0.0	752.2	0.00	98.83
88.0-89.0	0.1	0.0	752.2	0.00	98.83
89.0-90.0	0.1	0.0	752.2	0.00	98.83
90.0-91.0	0.1	0.0	752.2	0.00	98.83
91.0-92.0	0.1	0.0	752.2	0.00	98.84
92.0-93.0	0.1	0.0	752.2	0.00	98.84
93.0-94.0	0.1	0.0	752.2	0.00	98.84
94.0-95.0	0.2	0.0	752.2	0.00	98.84
95.0-96.0	0.2	0.0	752.3	0.00	98.84
96.0-97.0	0.2	0.0	752.3	0.00	98.85
97.0-98.0	0.2	0.0	752.3	0.00	98.85
98.0-99.0	0.2	0.0	752.3	0.00	98.85
99.0-100.0	0.3	0.0	752.4	0.00	98.86
100.0-101.0	0.3	0.0	752.4	0.00	98.86
101.0-102.0	0.4	0.0	752.4	0.01	98.87
102.0-103.0	0.4	0.0	752.5	0.01	98.87
103.0-104.0	0.4	0.0	752.5	0.01	98.88
104.0-105.0	0.5	0.1	752.6	0.01	98.89
105.0-106.0	0.5	0.1	752.6	0.01	98.89
106.0-107.0	0.6	0.1	752.7	0.01	98.90
107.0-108.0	0.6	0.1	752.8	0.01	98.91

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	0.6	0.1	752.8	0.01	98.92
109.0-110.0	0.7	0.1	752.9	0.01	98.93
110.0-111.0	0.8	0.1	753.0	0.01	98.94
111.0-112.0	0.8	0.1	753.1	0.01	98.95
112.0-113.0	0.8	0.1	753.1	0.01	98.96
113.0-114.0	0.9	0.1	753.2	0.01	98.97
114.0-115.0	0.9	0.1	753.3	0.01	98.98
115.0-116.0	1.0	0.1	753.4	0.01	99.00
116.0-117.0	1.0	0.1	753.5	0.01	99.01
117.0-118.0	1.1	0.1	753.6	0.01	99.02
118.0-119.0	1.1	0.1	753.7	0.01	99.04
119.0-120.0	1.2	0.1	753.8	0.01	99.05
120.0-121.0	1.2	0.1	754.0	0.02	99.07
121.0-122.0	1.3	0.1	754.1	0.02	99.08
122.0-123.0	1.3	0.1	754.2	0.02	99.10
123.0-124.0	1.4	0.1	754.3	0.02	99.12
124.0-125.0	1.5	0.1	754.5	0.02	99.13
125.0-126.0	1.5	0.1	754.6	0.02	99.15
126.0-127.0	1.6	0.1	754.7	0.02	99.17
127.0-128.0	1.6	0.1	754.9	0.02	99.19
128.0-129.0	1.7	0.1	755.0	0.02	99.21
129.0-130.0	1.7	0.1	755.2	0.02	99.23
130.0-131.0	1.8	0.1	755.3	0.02	99.25
131.0-132.0	1.8	0.2	755.5	0.02	99.27
132.0-133.0	1.9	0.2	755.6	0.02	99.29
133.0-134.0	2.0	0.2	755.8	0.02	99.31
134.0-135.0	2.0	0.2	755.9	0.02	99.33
135.0-136.0	2.1	0.2	756.1	0.02	99.35
136.0-137.0	2.2	0.2	756.3	0.02	99.37
137.0-138.0	2.2	0.2	756.4	0.02	99.39
138.0-139.0	2.3	0.2	756.6	0.02	99.41
139.0-140.0	2.3	0.2	756.8	0.02	99.44
140.0-141.0	2.4	0.2	756.9	0.02	99.46
141.0-142.0	2.5	0.2	757.1	0.02	99.48
142.0-143.0	2.5	0.2	757.3	0.02	99.50
143.0-144.0	2.6	0.2	757.4	0.02	99.52

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	2.6	0.2	757.6	0.02	99.55
145.0-146.0	2.7	0.2	757.8	0.02	99.57
146.0-147.0	2.7	0.2	757.9	0.02	99.59
147.0-148.0	2.8	0.2	758.1	0.02	99.61
148.0-149.0	2.8	0.2	758.3	0.02	99.63
149.0-150.0	2.8	0.2	758.4	0.02	99.65
150.0-151.0	2.9	0.2	758.6	0.02	99.67
151.0-152.0	2.9	0.2	758.7	0.02	99.69
152.0-153.0	3.0	0.2	758.9	0.02	99.71
153.0-154.0	3.0	0.1	759.0	0.02	99.73
154.0-155.0	3.1	0.1	759.2	0.02	99.75
155.0-156.0	3.1	0.1	759.3	0.02	99.77
156.0-157.0	3.1	0.1	759.4	0.02	99.79
157.0-158.0	3.1	0.1	759.6	0.02	99.80
158.0-159.0	3.2	0.1	759.7	0.02	99.82
159.0-160.0	3.2	0.1	759.8	0.02	99.84
160.0-161.0	3.2	0.1	759.9	0.02	99.85
161.0-162.0	3.2	0.1	760.0	0.01	99.87
162.0-163.0	3.2	0.1	760.2	0.01	99.88
163.0-164.0	3.2	0.1	760.3	0.01	99.90
164.0-165.0	3.3	0.1	760.4	0.01	99.91
165.0-166.0	3.3	0.1	760.4	0.01	99.92
166.0-167.0	3.2	0.1	760.5	0.01	99.93
167.0-168.0	3.2	0.1	760.6	0.01	99.94
168.0-169.0	3.3	0.1	760.7	0.01	99.95
169.0-170.0	3.3	0.1	760.7	0.01	99.96
170.0-171.0	3.3	0.1	760.8	0.01	99.97
171.0-172.0	3.3	0.1	760.9	0.01	99.97
172.0-173.0	3.3	0.0	760.9	0.01	99.98
173.0-174.0	3.3	0.0	760.9	0.01	99.98
174.0-175.0	3.3	0.0	761.0	0.00	99.99
175.0-176.0	3.3	0.0	761.0	0.00	99.99
176.0-177.0	3.3	0.0	761.0	0.00	100.00
177.0-178.0	3.4	0.0	761.0	0.00	100.00
178.0-179.0	3.4	0.0	761.0	0.00	100.00
179.0-180.0	3.5	0.0	761.1	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°): 522.58 lm

%lum = 68.7%
%lamp = 68.7%

cone flux(120°): 679.91 lm

%lum = 89.3%
%lamp = 89.3%

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	422.8	262.6	262.1	262.2	422.8	262.6	262.1	262.2	422.8	
G1.0	423.1	263.5	262.8	261.5	423.1	263.0	262.2	262.2	423.1	
G2.0	423.6	264.1	262.5	261.5	423.3	263.0	263.2	262.8	423.6	
G3.0	425.1	264.4	263.1	262.2	423.6	262.6	263.8	264.1	425.1	
G4.0	426.1	265.5	264.4	262.8	424.6	262.7	264.0	265.0	426.1	
G5.0	427.6	267.3	265.3	262.6	425.9	263.7	265.0	265.6	427.6	
G6.0	429.7	269.0	266.0	263.4	427.3	264.5	266.9	267.3	429.7	
G7.0	432.2	269.9	267.3	264.8	428.3	265.0	268.3	269.6	432.2	
G8.0	435.0	271.6	269.7	266.0	430.0	266.1	269.5	271.1	435.0	
G9.0	438.9	274.6	271.8	266.6	431.9	267.6	271.9	272.7	438.9	
G10.0	442.0	276.4	273.3	268.7	433.7	268.4	273.5	275.3	442.0	
G11.0	445.5	279.1	276.1	270.5	435.1	270.1	274.4	278.0	445.5	
G12.0	448.9	282.3	278.0	271.8	436.7	272.0	275.8	280.2	448.9	
G13.0	451.8	285.1	278.9	273.5	438.9	273.6	277.7	282.7	451.8	
G14.0	454.6	287.5	280.7	275.9	440.8	274.1	279.2	285.8	454.6	
G15.0	456.8	290.0	282.6	277.4	442.6	274.9	279.8	287.8	456.8	
G16.0	457.7	293.2	284.0	277.8	443.7	276.3	281.2	289.6	457.7	
G17.0	458.2	295.6	284.5	278.9	445.4	277.0	282.5	291.4	458.2	
G18.0	457.7	297.2	285.4	280.4	446.5	277.0	282.5	293.8	457.7	
G19.0	456.4	299.5	286.5	281.0	447.2	278.1	282.5	294.7	456.4	
G20.0	455.1	301.1	286.1	282.0	447.5	278.4	282.4	296.1	455.1	
G21.0	453.4	301.3	286.4	283.0	447.3	277.9	281.7	298.0	453.4	
G22.0	450.5	302.1	287.1	283.8	446.8	277.7	279.5	298.3	450.5	
G23.0	448.0	302.8	286.7	283.4	446.4	278.1	277.4	297.6	448.0	
G24.0	445.2	302.4	285.0	283.4	445.7	277.3	275.2	297.2	445.2	
G25.0	441.2	300.6	283.4	283.8	444.1	275.5	272.3	296.9	441.2	
G26.0	437.3	299.2	281.9	282.9	442.6	273.9	268.5	295.4	437.3	
G27.0	432.2	298.2	279.4	281.3	440.2	272.5	265.0	292.4	432.2	
G28.0	426.7	296.1	275.6	280.5	437.1	269.6	261.1	290.6	426.7	
G29.0	421.0	293.5	273.0	279.0	432.7	267.3	255.8	287.3	421.0	
G30.0	413.3	291.5	268.9	276.0	427.8	263.5	251.2	283.3	413.3	
G31.0	405.0	288.5	264.1	273.7	421.8	260.5	246.4	279.6	405.0	
G32.0	395.9	285.0	259.6	271.3	414.5	256.0	240.0	275.8	395.9	
G33.0	384.9	281.2	254.4	267.7	406.7	252.4	232.8	271.4	384.9	
G34.0	373.5	278.1	248.4	263.5	397.3	248.2	225.8	266.3	373.5	
G35.0	360.5	273.5	240.8	259.0	386.1	242.7	217.9	260.8	360.5	
G36.0	347.0	268.5	233.1	255.2	374.2	238.2	208.8	256.5	347.0	

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:

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	332.8	263.8	225.6	250.6	360.3	232.2	198.9	249.7	332.8	
G38.0	317.9	259.0	215.3	244.4	346.1	227.4	190.4	244.2	317.9	
G39.0	303.7	252.9	206.1	239.9	331.9	221.2	181.5	238.5	303.7	
G40.0	287.0	247.0	195.6	234.0	315.3	215.3	170.6	231.9	287.0	
G41.0	272.3	241.5	186.0	227.5	299.1	208.2	161.1	225.0	272.3	
G42.0	256.7	235.4	174.9	221.5	282.3	202.4	151.6	217.9	256.7	
G43.0	240.7	227.5	163.9	215.0	265.1	194.7	141.5	210.9	240.7	
G44.0	225.7	221.1	153.8	208.1	248.2	188.3	131.4	203.4	225.7	
G45.0	210.7	214.4	144.1	200.5	230.9	180.9	121.8	195.1	210.7	
G46.0	196.0	206.5	133.1	192.7	215.7	173.5	113.3	187.9	196.0	
G47.0	183.2	198.5	124.2	185.3	200.2	166.8	104.7	179.9	183.2	
G48.0	169.1	190.9	114.3	176.4	184.9	158.5	96.5	171.1	169.1	
G49.0	156.7	183.1	106.0	168.4	171.1	151.7	89.7	162.8	156.7	
G50.0	145.9	174.7	98.0	160.6	158.5	143.9	83.4	155.0	145.9	
G51.0	134.4	166.4	90.9	152.0	145.6	136.5	76.7	146.3	134.4	
G52.0	125.4	158.5	84.4	143.3	135.4	129.4	71.4	138.1	125.4	
G53.0	116.7	150.8	78.6	135.4	125.5	121.2	66.2	129.4	116.7	
G54.0	108.5	141.2	73.0	126.8	116.8	114.6	61.8	121.9	108.5	
G55.0	101.2	133.9	68.6	119.2	109.4	107.2	58.0	113.8	101.2	
G56.0	93.9	125.7	63.9	110.5	101.5	100.4	54.0	105.9	93.9	
G57.0	87.9	117.9	60.0	103.3	95.1	94.1	50.8	99.2	87.9	
G58.0	82.2	110.5	56.7	95.9	89.1	87.2	47.1	91.8	82.2	
G59.0	76.2	103.2	52.8	88.3	83.5	81.1	44.5	84.9	76.2	
G60.0	71.0	96.0	49.5	81.8	78.3	75.4	42.0	78.7	71.0	
G61.0	66.0	89.8	47.1	75.7	73.0	69.6	39.0	72.5	66.0	
G62.0	60.9	82.7	43.4	69.4	68.6	64.3	36.5	66.8	60.9	
G63.0	56.7	76.7	40.5	63.6	64.2	59.6	34.1	61.5	56.7	
G64.0	52.1	70.5	37.6	58.1	59.7	54.4	31.6	56.2	52.1	
G65.0	48.2	64.9	35.1	53.4	55.8	50.0	29.6	51.6	48.2	
G66.0	45.0	60.1	32.6	48.6	51.8	46.0	27.3	47.1	45.0	
G67.0	41.3	54.7	30.2	44.5	48.0	42.3	25.6	42.9	41.3	
G68.0	38.0	50.1	28.0	40.6	45.2	38.6	23.6	39.2	38.0	
G69.0	35.0	46.3	25.9	37.0	41.6	35.0	21.9	35.4	35.0	
G70.0	31.9	41.7	23.6	33.3	38.7	31.9	20.2	31.9	31.9	
G71.0	29.3	37.8	22.0	30.3	35.8	28.9	18.4	29.0	29.3	
G72.0	26.5	33.8	20.1	27.2	32.8	26.0	15.7	25.9	26.5	
G73.0	24.0	30.6	18.5	24.5	30.3	23.5	14.1	23.6	24.0	

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:

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	22.0	27.5	16.8	22.1	27.5	21.0	12.3	20.7	22.0	
G75.0	19.5	24.3	14.9	19.7	25.1	18.8	10.2	18.5	19.5	
G76.0	17.4	21.6	13.3	17.5	22.8	16.7	8.7	16.1	17.4	
G77.0	15.4	19.2	11.5	15.6	20.1	14.5	6.9	13.6	15.4	
G78.0	12.8	16.5	9.5	13.5	17.7	12.2	5.6	11.5	12.8	
G79.0	10.9	14.3	8.3	11.8	15.2	10.3	4.3	9.5	10.9	
G80.0	9.2	11.9	7.0	9.9	12.9	8.1	2.6	7.3	9.2	
G81.0	7.5	9.4	5.7	7.9	11.1	6.3	1.8	5.6	7.5	
G82.0	5.8	7.3	4.5	6.4	8.9	4.6	1.0	4.0	5.8	
G83.0	4.3	5.2	3.4	4.8	7.0	3.3	0.8	2.8	4.3	
G84.0	3.1	3.7	2.3	3.3	5.4	2.1	0.4	1.7	3.1	
G85.0	1.8	2.3	1.5	2.2	3.7	1.3	0.0	0.8	1.8	
G86.0	1.0	1.2	0.8	1.4	2.3	0.5	0.1	0.4	1.0	
G87.0	0.3	0.5	0.4	0.7	1.2	0.1	0.0	0.1	0.3	
G88.0	0.0	0.2	0.2	0.3	0.1	0.0	0.1	0.2	0.0	
G89.0	0.1	0.2	0.2	0.2	0.0	0.1	0.0	0.0	0.1	
G90.0	0.2	0.2	0.2	0.2	0.1	0.0	0.2	0.0	0.2	
G91.0	0.0	0.1	0.1	0.1	0.1	0.0	0.2	0.1	0.0	
G92.0	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	
G93.0	0.1	0.0	0.2	0.1	0.2	0.1	0.1	0.1	0.1	
G94.0	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.0	0.2	
G95.0	0.2	0.2	0.3	0.0	0.0	0.0	0.2	0.2	0.2	
G96.0	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.1	0.2	
G97.0	0.3	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.3	
G98.0	0.3	0.2	0.2	0.1	0.2	0.2	0.1	0.3	0.3	
G99.0	0.4	0.3	0.2	0.3	0.2	0.3	0.3	0.3	0.4	
G100.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	
G101.0	0.4	0.3	0.3	0.4	0.3	0.4	0.4	0.4	0.4	
G102.0	0.4	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.4	
G103.0	0.4	0.4	0.3	0.5	0.3	0.4	0.5	0.5	0.4	
G104.0	0.4	0.4	0.4	0.5	0.5	0.4	0.5	0.6	0.4	
G105.0	0.5	0.3	0.4	0.5	0.6	0.5	0.6	0.5	0.5	
G106.0	0.5	0.5	0.4	0.5	0.4	0.7	0.5	0.6	0.5	
G107.0	0.6	0.5	0.4	0.6	0.6	0.6	0.6	0.8	0.6	
G108.0	0.6	0.5	0.4	0.7	0.7	0.7	0.6	0.8	0.6	
G109.0	0.6	0.6	0.5	0.7	0.8	0.8	0.7	0.8	0.6	
G110.0	0.7	0.6	0.6	0.7	0.8	0.8	0.7	1.0	0.7	

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 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	0.7	0.6	0.6	0.8	0.9	0.9	0.8	0.9	0.7	
G112.0	0.7	0.7	0.5	0.8	1.0	0.9	0.8	1.0	0.7	
G113.0	0.9	0.7	0.7	0.8	1.1	0.9	0.8	1.0	0.9	
G114.0	0.9	0.8	0.8	0.9	1.1	0.9	1.0	1.0	0.9	
G115.0	1.0	0.8	0.7	0.9	1.3	1.0	1.0	0.9	1.0	
G116.0	1.0	0.9	0.8	1.0	1.2	0.9	1.0	1.0	1.0	
G117.0	1.0	1.0	0.8	1.0	1.4	0.9	1.1	1.1	1.0	
G118.0	1.1	1.0	0.8	1.0	1.4	1.1	1.2	1.1	1.1	
G119.0	1.1	1.0	0.9	1.1	1.5	1.1	1.2	1.2	1.1	
G120.0	1.2	1.1	1.0	1.2	1.6	1.1	1.2	1.2	1.2	
G121.0	1.3	1.1	1.1	1.2	1.8	1.2	1.2	1.2	1.3	
G122.0	1.4	1.1	1.2	1.3	1.8	1.3	1.3	1.2	1.4	
G123.0	1.4	1.3	1.2	1.2	1.9	1.3	1.3	1.2	1.4	
G124.0	1.5	1.4	1.3	1.4	2.0	1.3	1.4	1.3	1.5	
G125.0	1.5	1.2	1.4	1.4	2.1	1.4	1.4	1.4	1.5	
G126.0	1.7	1.4	1.5	1.5	2.2	1.4	1.3	1.5	1.7	
G127.0	1.7	1.4	1.5	1.5	2.3	1.5	1.4	1.4	1.7	
G128.0	1.8	1.4	1.6	1.6	2.5	1.4	1.4	1.5	1.8	
G129.0	1.9	1.4	1.6	1.7	2.5	1.5	1.5	1.5	1.9	
G130.0	1.9	1.4	1.7	1.6	2.6	1.6	1.6	1.5	1.9	
G131.0	2.0	1.6	1.8	1.7	2.7	1.6	1.7	1.6	2.0	
G132.0	2.1	1.6	1.7	1.8	2.8	1.6	1.7	1.6	2.1	
G133.0	2.2	1.9	1.8	1.9	2.9	1.7	1.8	1.8	2.2	
G134.0	2.2	1.9	1.9	1.9	3.0	1.7	1.8	1.7	2.2	
G135.0	2.2	1.9	2.0	2.0	3.2	1.6	1.9	1.7	2.2	
G136.0	2.3	1.9	2.0	2.1	3.3	1.9	1.9	1.9	2.3	
G137.0	2.4	2.0	2.1	2.0	3.4	1.8	1.9	1.9	2.4	
G138.0	2.5	2.0	2.2	2.1	3.5	2.0	2.0	2.0	2.5	
G139.0	2.4	2.1	2.3	2.2	3.3	2.0	2.0	1.9	2.4	
G140.0	2.6	2.0	2.2	2.3	3.7	2.1	2.0	2.1	2.6	
G141.0	2.6	2.2	2.4	2.3	3.7	2.2	2.1	2.1	2.6	
G142.0	2.7	2.1	2.4	2.3	3.7	2.1	2.0	2.2	2.7	
G143.0	2.7	2.3	2.4	2.3	3.8	2.2	2.1	2.3	2.7	
G144.0	2.8	2.3	2.5	2.5	4.0	2.3	2.1	2.3	2.8	
G145.0	2.7	2.4	2.5	2.5	4.0	2.4	2.2	2.3	2.7	
G146.0	2.9	2.4	2.6	2.6	4.1	2.4	2.4	2.5	2.9	
G147.0	2.9	2.4	2.6	2.6	4.2	2.4	2.4	2.4	2.9	

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	3.0	2.4	2.7	2.6	4.3	2.5	2.4	2.5	3.0	
G149.0	2.9	2.5	2.7	2.5	4.4	2.6	2.4	2.6	2.9	
G150.0	2.9	2.5	2.7	2.6	4.4	2.5	2.4	2.5	2.9	
G151.0	3.1	2.6	2.8	2.7	4.4	2.7	2.4	2.5	3.1	
G152.0	3.0	2.6	2.8	2.7	4.5	2.7	2.5	2.6	3.0	
G153.0	3.1	2.7	2.9	2.8	4.6	2.8	2.6	2.8	3.1	
G154.0	3.2	2.7	2.9	2.8	4.6	2.7	2.6	2.8	3.2	
G155.0	3.2	2.7	2.9	2.9	4.8	2.8	2.6	2.8	3.2	
G156.0	3.1	2.8	3.0	2.9	4.8	2.8	2.6	2.8	3.1	
G157.0	3.2	2.9	3.0	2.8	4.9	2.9	2.7	2.8	3.2	
G158.0	3.3	2.8	2.9	2.9	4.9	2.9	2.8	2.9	3.3	
G159.0	3.3	2.8	3.0	2.8	5.0	2.9	2.8	2.9	3.3	
G160.0	3.3	2.9	3.0	2.8	5.0	3.0	2.9	2.9	3.3	
G161.0	3.3	2.9	2.9	3.0	5.0	3.0	2.8	3.0	3.3	
G162.0	3.4	3.0	3.0	3.0	4.9	3.0	2.8	2.9	3.4	
G163.0	3.3	2.9	3.0	3.0	5.0	3.0	2.7	3.0	3.3	
G164.0	3.4	3.0	3.1	3.0	4.8	3.0	2.7	3.0	3.4	
G165.0	3.5	3.0	3.1	3.0	4.8	3.0	2.7	3.1	3.5	
G166.0	3.4	3.1	3.0	3.1	4.7	3.0	2.6	3.0	3.4	
G167.0	3.4	3.2	3.0	3.1	4.6	2.9	2.6	3.0	3.4	
G168.0	3.5	3.1	3.1	3.2	4.7	3.0	2.6	3.0	3.5	
G169.0	3.5	3.1	3.1	3.2	4.8	3.0	2.7	2.9	3.5	
G170.0	3.5	3.1	3.2	3.2	4.8	3.0	2.6	2.8	3.5	
G171.0	3.5	3.2	3.1	3.2	4.8	3.0	2.6	2.9	3.5	
G172.0	3.6	3.2	3.1	3.2	4.8	2.9	2.6	2.9	3.6	
G173.0	3.6	3.2	3.2	3.1	4.9	2.9	2.6	2.8	3.6	
G174.0	3.5	3.1	3.2	3.2	4.9	2.9	2.6	2.8	3.5	
G175.0	3.5	3.3	3.1	3.2	5.1	2.9	2.6	2.9	3.5	
G176.0	3.6	3.1	3.1	3.1	5.1	2.9	2.8	2.8	3.6	
G177.0	3.5	3.3	3.1	3.1	5.2	2.8	2.7	2.9	3.5	
G178.0	3.5	3.3	3.2	3.2	5.4	3.0	2.9	2.8	3.5	
G179.0	3.5	3.1	3.1	3.3	5.6	3.1	3.0	2.9	3.5	
G180.0	3.2	3.1	3.0	3.2	5.9	3.2	3.0	3.1	3.2	

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: