

Report No.:

Test Time: 2023/6/28 21:28

## Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Lamp Catalog:

Number of Lamps:

Luminous Length (mm):

Luminous Height (mm):

Current: 0.305 A

Power Factor: 0.939

Luminaire Description:

Lamp Description:

Lumens per Lamp:

Luminous Width (mm):

Voltage: 277.0 V

Power: 79.42 W

## Photometric Results

IES Classification: Type IV

Total Rated Lamp Lumens: 10981.5 lm

Efficiency: 100%

Upward Ratio: 10%

C0r0 Intensity: 3803.37 cd

Pos of Max. Intensity: H90 V42

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 93.0, 100.1, 95.9, 96.8

Longitudinal Classification: Very Short

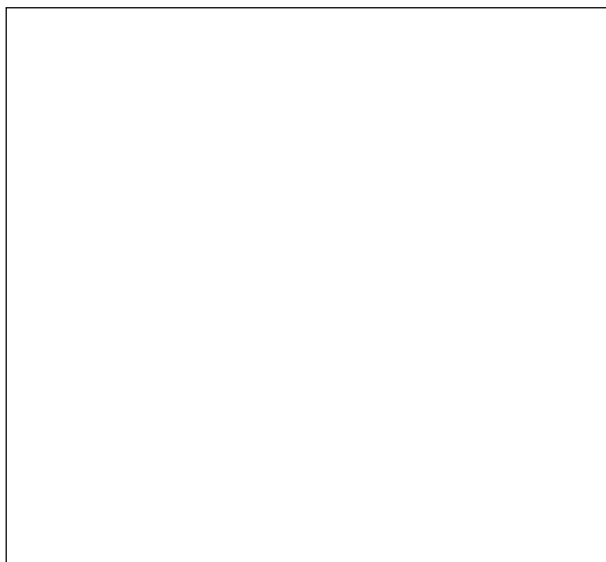
Measurement Flux: 10981.5 lm

Downward Ratio: 90%

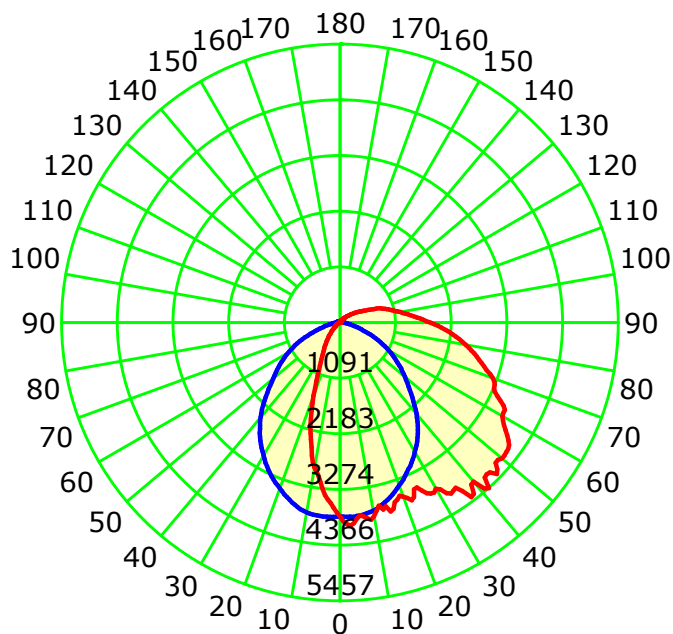
Luminaire Efficacy Rating (LER): 138.32

Max. Intensity: 4366.33 cd

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 96.5°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.2 °C

Operator:

Gamma Plane (°):0.0-180.0:1.0

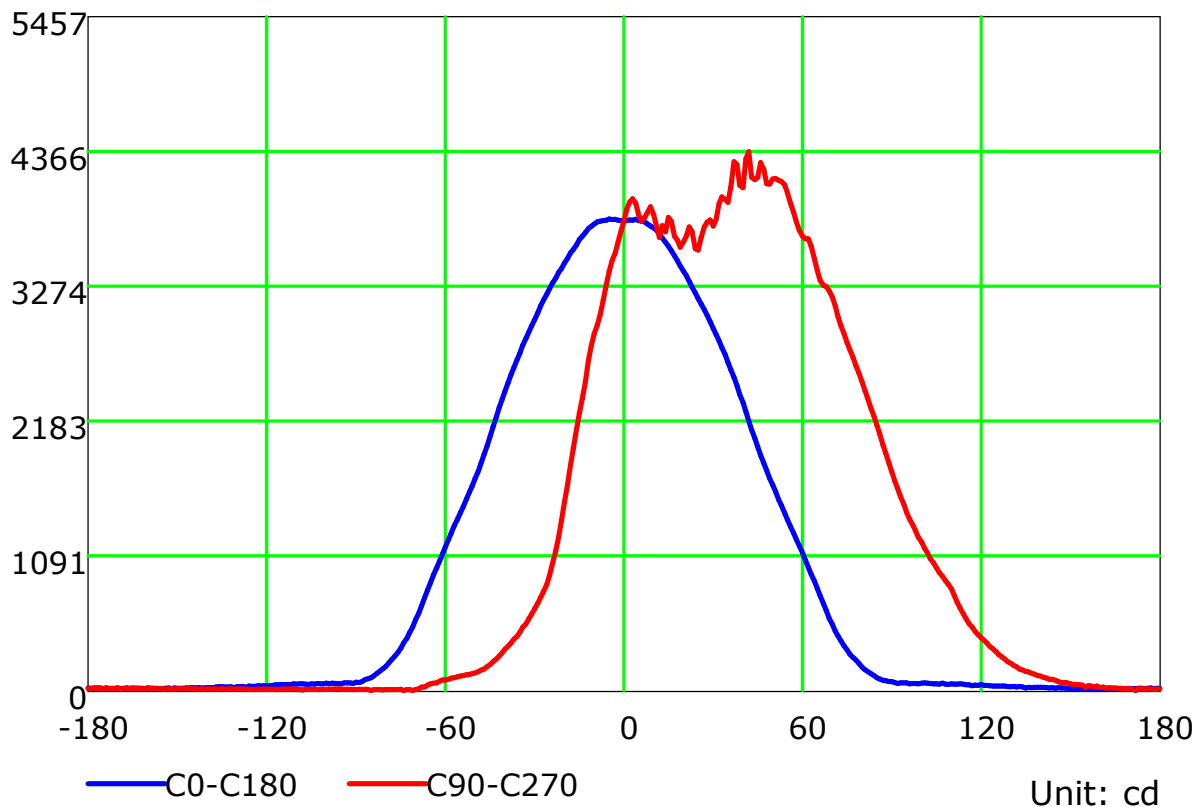
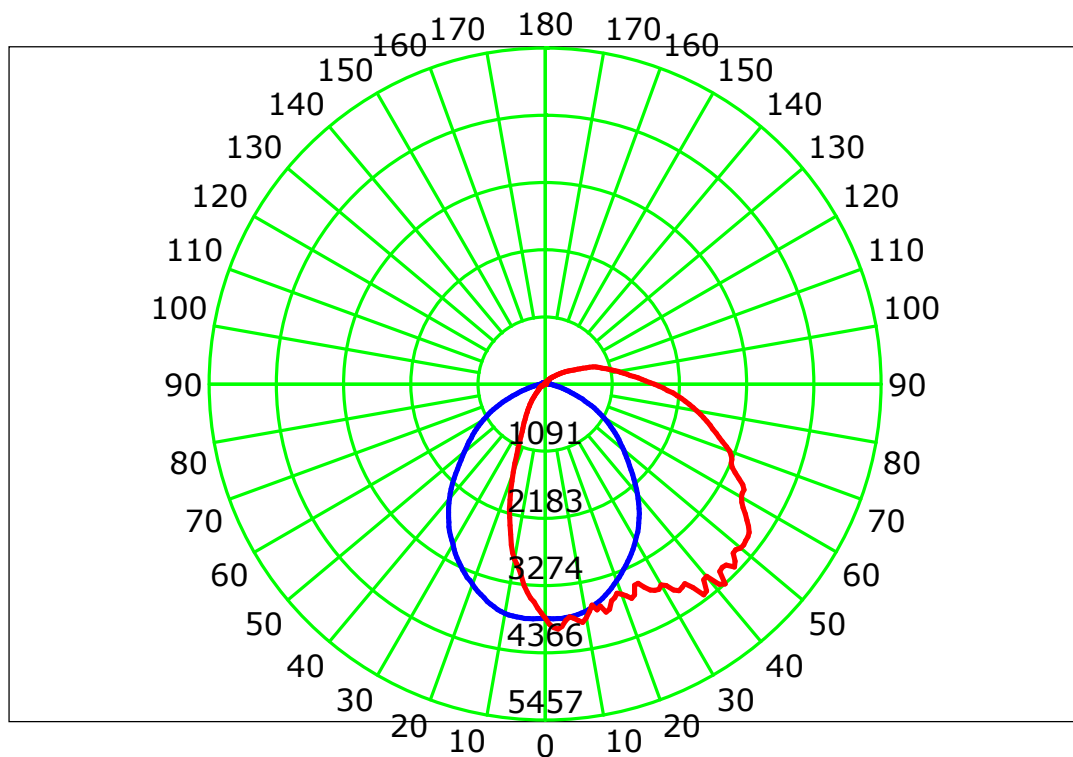
Test Device: GPM-3000

Distance: 14.140 m [K=1.0000]

Humidity:

Inspector:

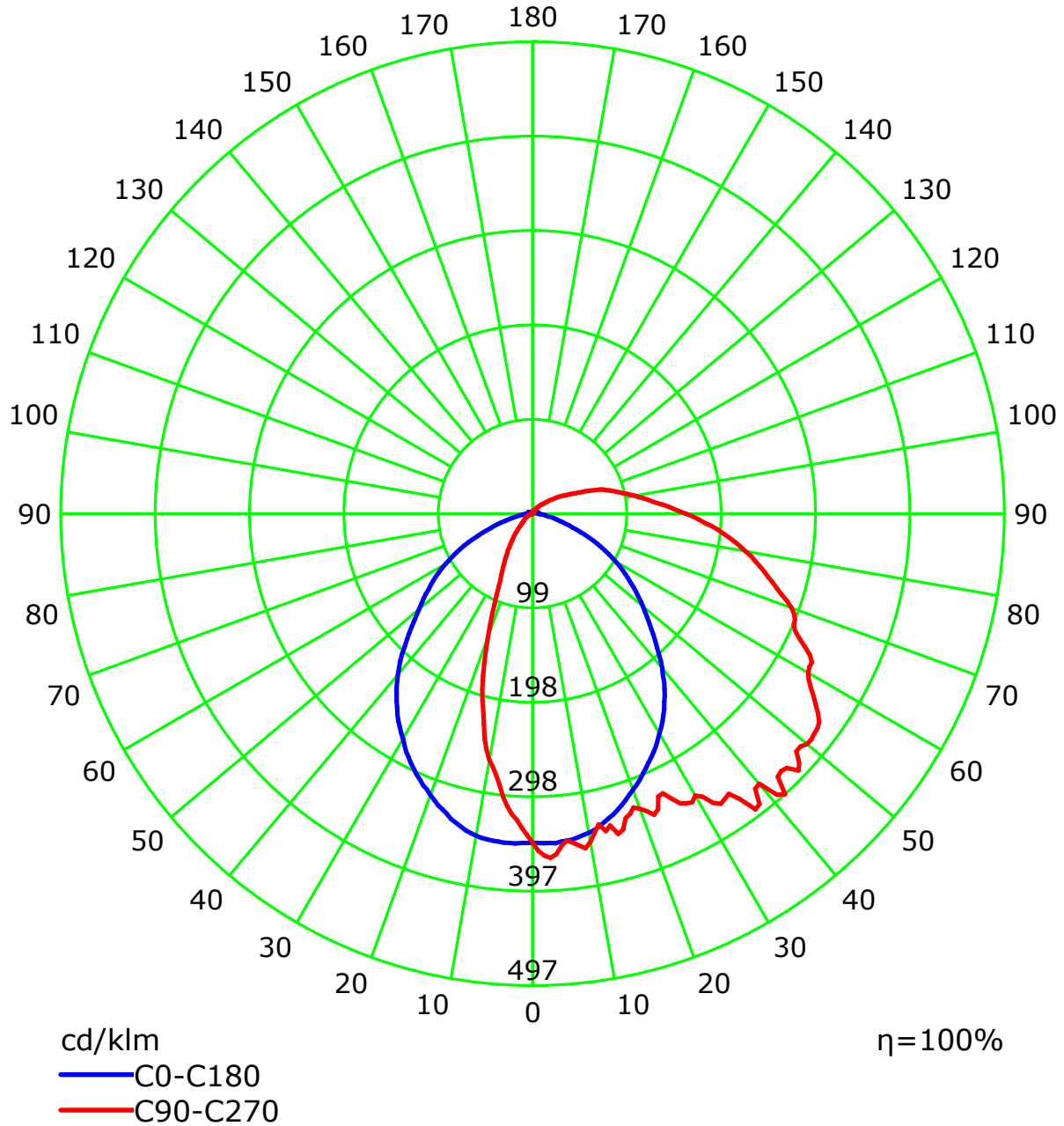
## Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 25.2 'C  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-3000  
Distance: 14.140 m [K=1.0000]  
Humidity:  
Inspector:

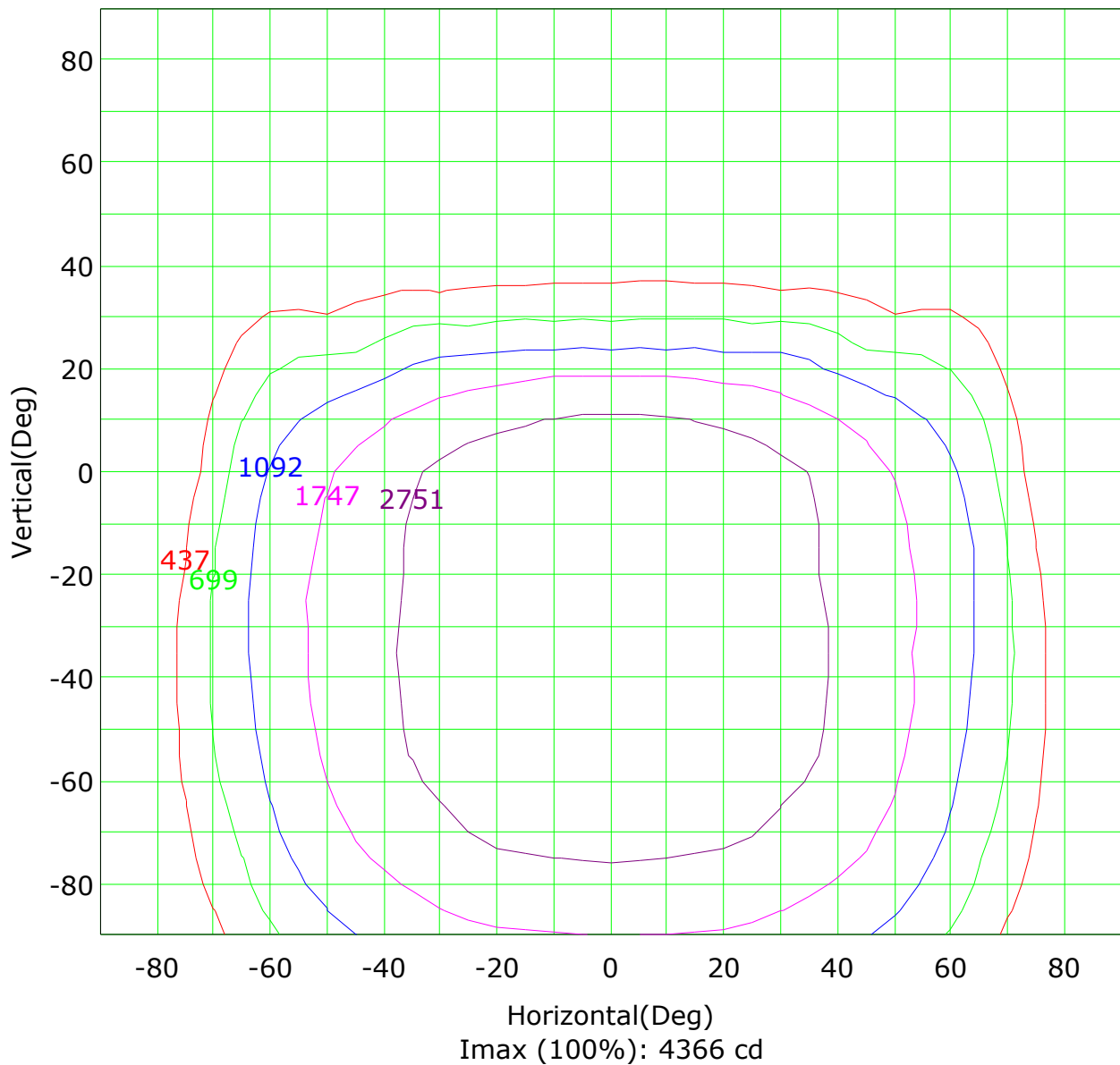
## Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 25.2 'C  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-3000  
Distance: 14.140 m [K=1.0000]  
Humidity:  
Inspector:

## Isocandela (rectangle)

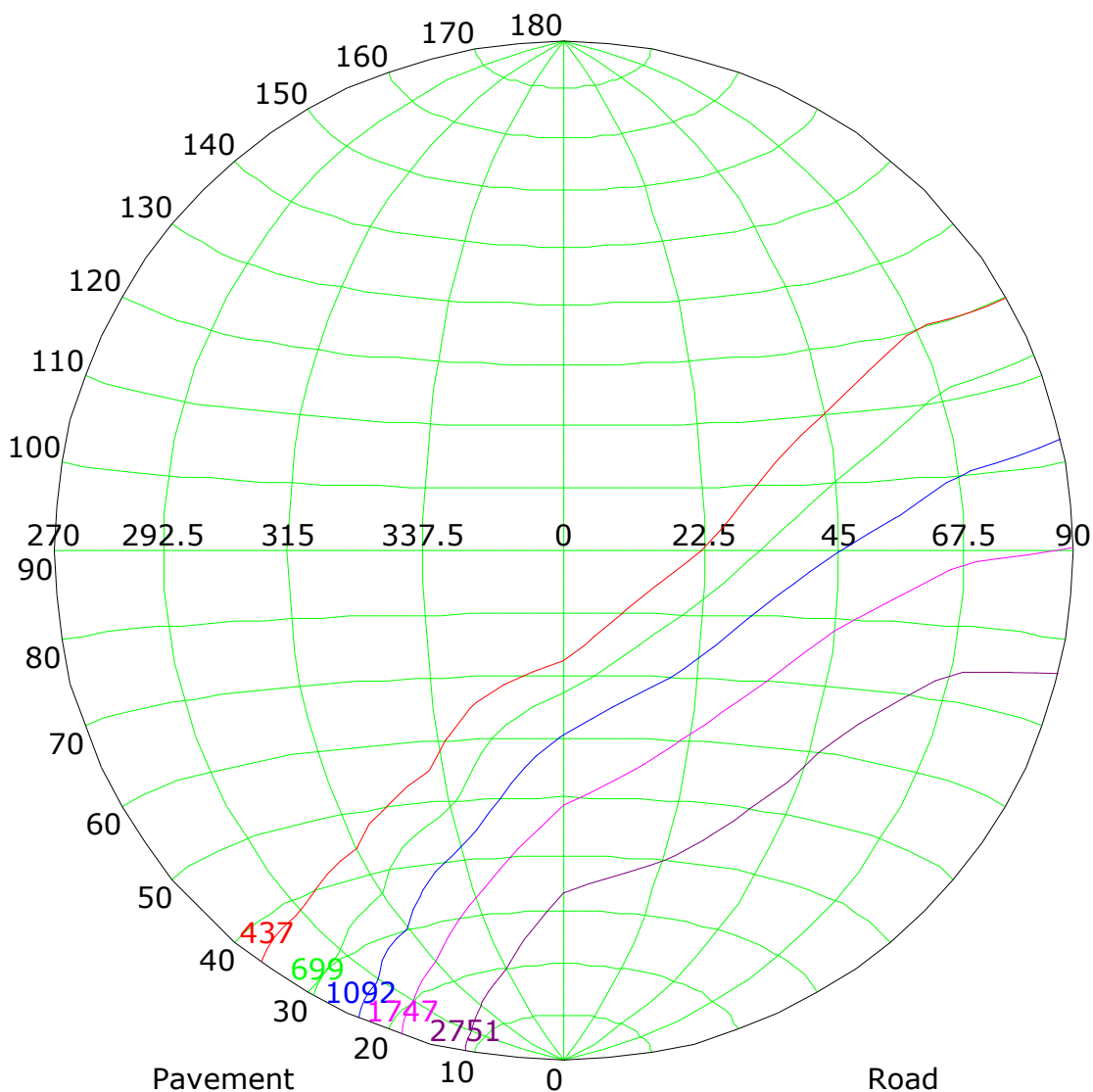


( 10%): 437 cd	( 16%): 699 cd
( 25%): 1092 cd	( 40%): 1747 cd
( 63%): 2751 cd	(100%): 4366 cd

C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 25.2 'C  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-3000  
Distance: 14.140 m [K=1.0000]  
Humidity:  
Inspector:

## Isocandela (sphere)



Imax (100%): 4366 cd

( 10%): 437 cd  
( 25%): 1092 cd  
( 63%): 2751 cd

( 16%): 699 cd  
( 40%): 1747 cd  
(100%): 4366 cd

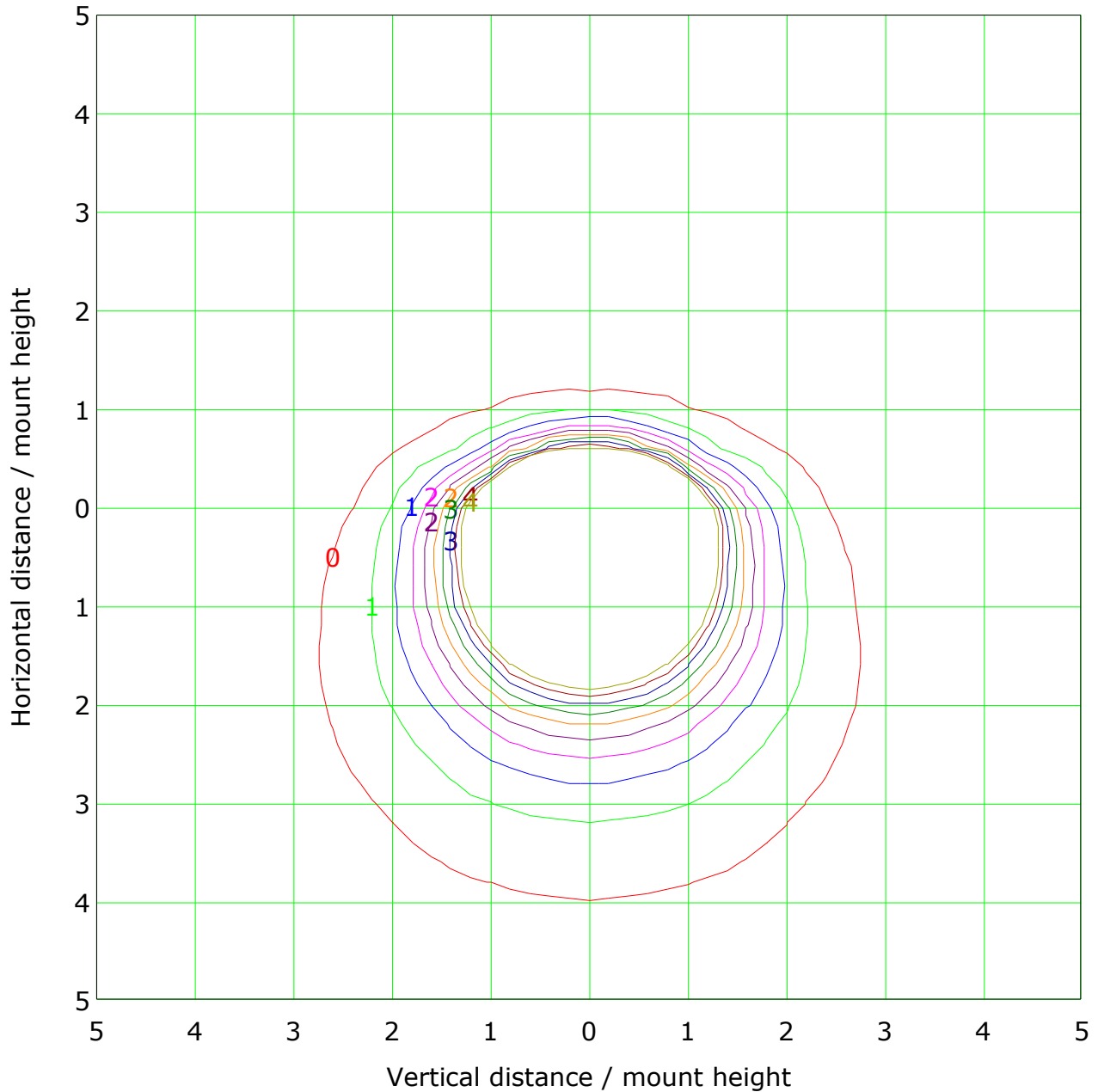
CIE: broad - short  
CIE: Non-cut-off luminaire  
Max.At90: 161.473 cd/klm

IES: Non-cut-off  
Max.At80: 227.672 cd/klm  
Max.80-90: 227.672 cd/klm

C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 25.2 'C  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-3000  
Distance: 14.140 m [K=1.0000]  
Humidity:  
Inspector:

## IsoLux Plot



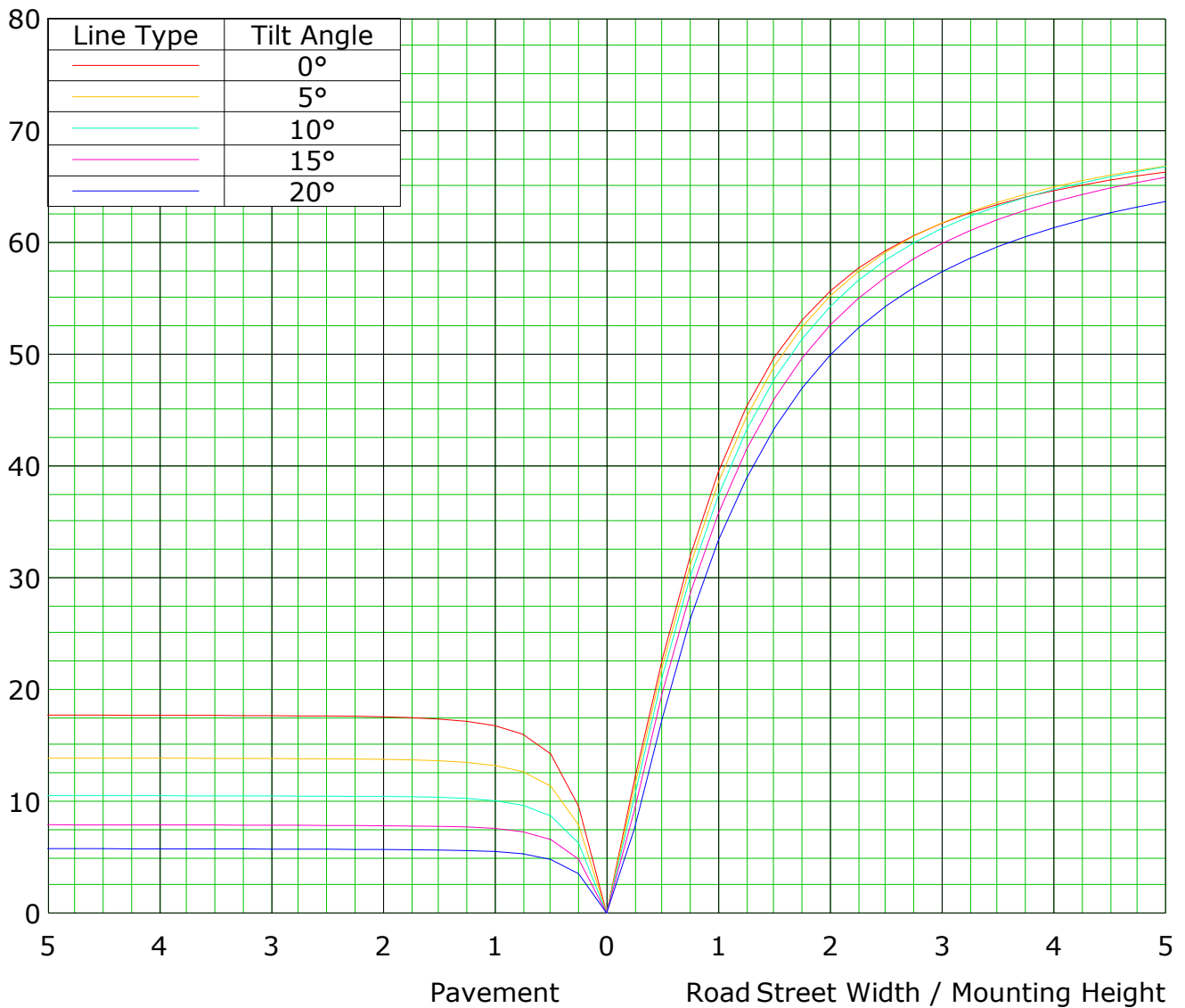
Mounting Height: 10.0m    Max Lux(100%): 39.8 lx	
( 1%): 0.4 lx	( 2%): 0.8 lx
( 3%): 1.2 lx	( 4%): 1.6 lx
( 5%): 2.0 lx	( 6%): 2.4 lx
( 7%): 2.8 lx	( 8%): 3.2 lx
( 9%): 3.6 lx	( 10%): 4.0 lx

C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 25.2 'C  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-3000  
Distance: 14.140 m [K=1.0000]  
Humidity:  
Inspector:

## Roadway CU Curve

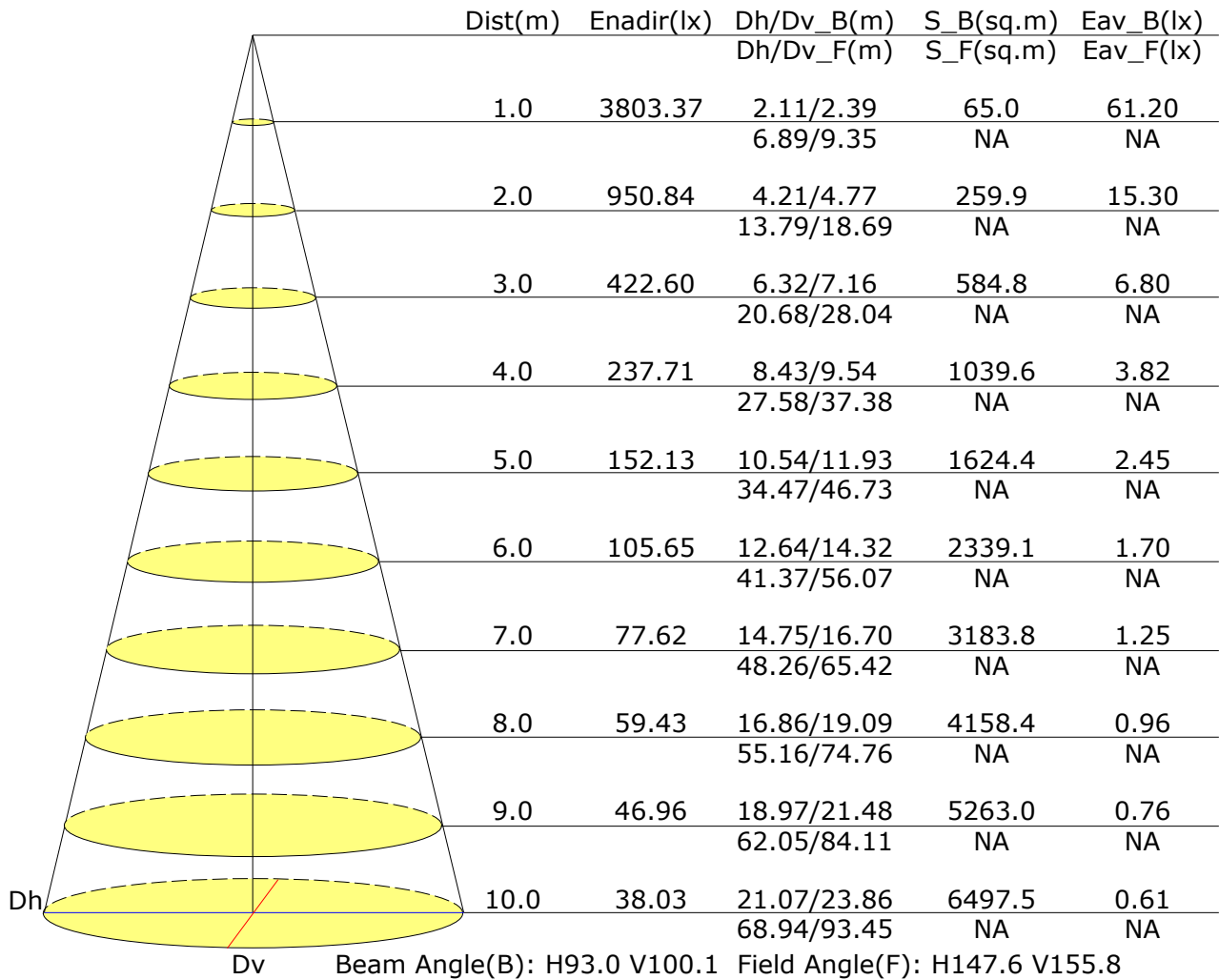
Efficiency(%)



C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 25.2 'C  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-3000  
Distance: 14.140 m [K=1.0000]  
Humidity:  
Inspector:

## Illuminance at a Distance

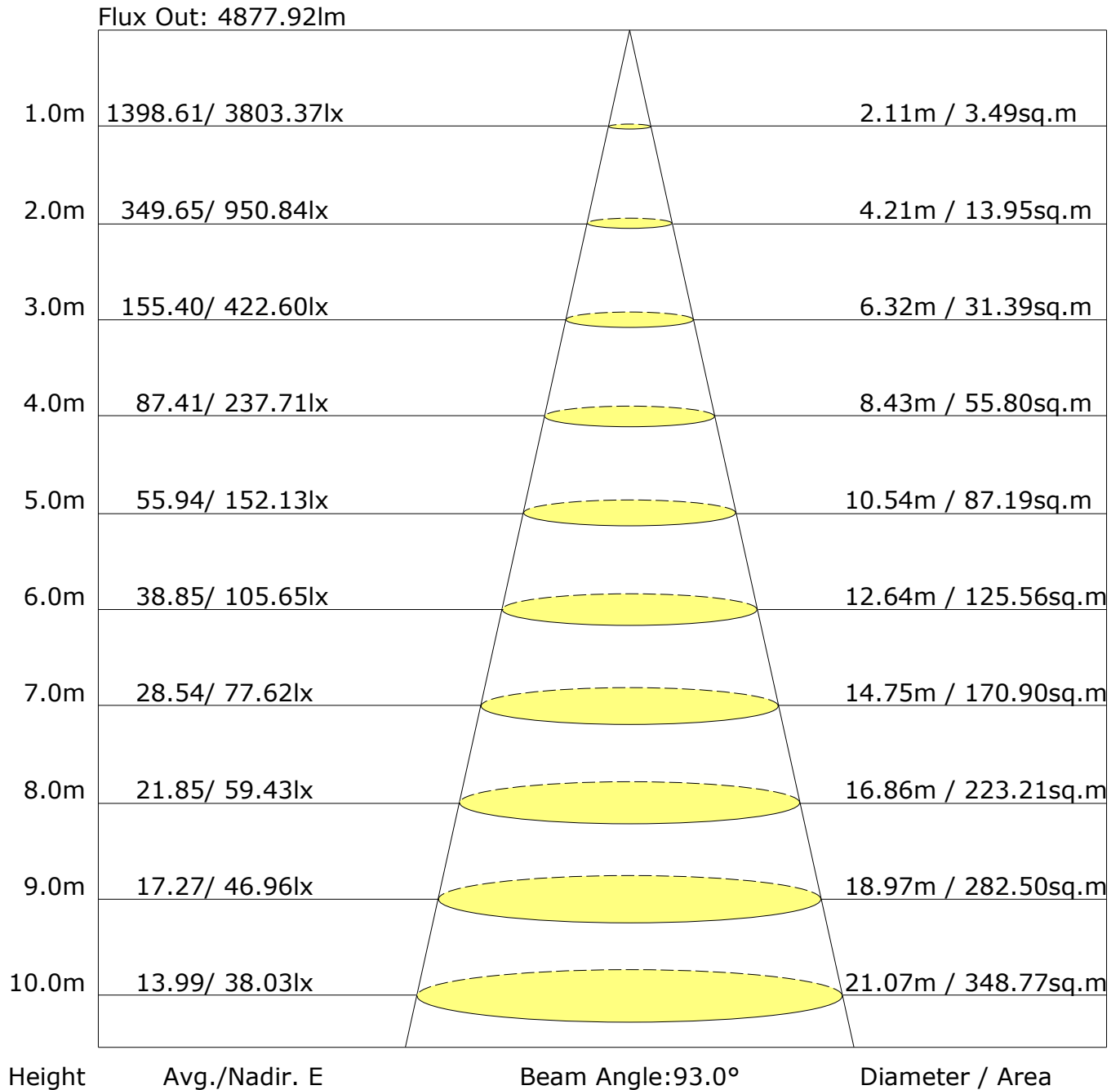


C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 25.2 'C  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-3000  
Distance: 14.140 m [K=1.0000]  
Humidity:  
Inspector:



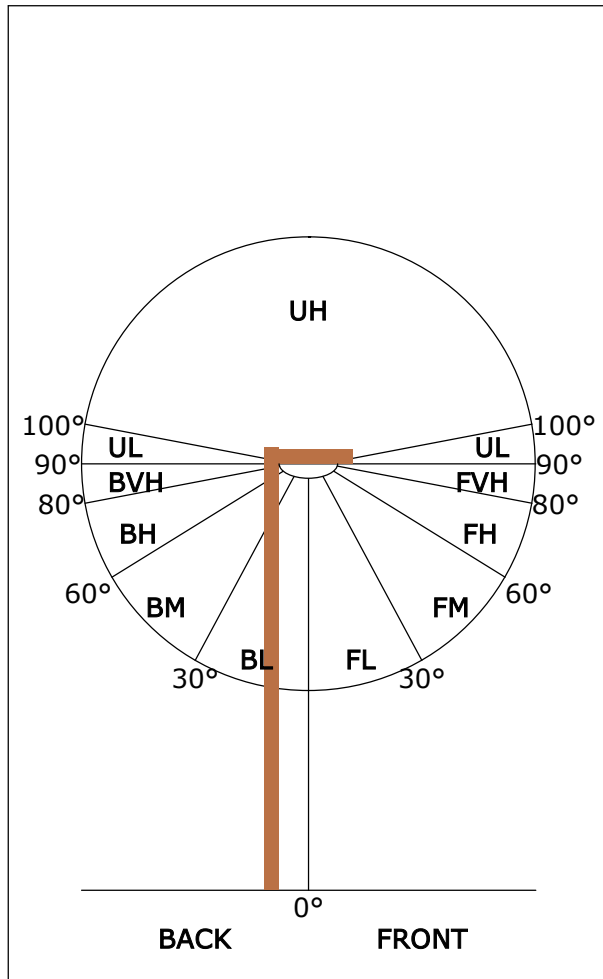
## The Average Illuminance Effective Figure



C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25.2 'C  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-3000  
 Distance: 14.140 m [K=1.0000]  
 Humidity:  
 Inspector:

**FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM**



ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	7910	72.0
FL ( 0°-30°)	1522	13.9
FM (30°-60°)	3567	32.5
FH (60°-80°)	2125	19.3
FVH (80°-90°)	697	6.3
BACK LIGHT	1940	17.7
BL ( 0°-30°)	969	8.8
BM (30°-60°)	797	7.3
BH (60°-80°)	154	1.4
BVH (80°-90°)	20	0.2
UP LIGHT	1131	10.3
UL (90°-100°)	470	4.3
UH (100°-180°)	661	6.0
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B2 U5 G4
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B2 U5 G4

C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 25.2 'C  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-3000  
Distance: 14.140 m [K=1.0000]  
Humidity:  
Inspector:

## Zonal Lumen

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	3807.1	3.6	3.6	0.03	0.03
1.0-2.0	3810.2	10.9	14.6	0.10	0.13
2.0-3.0	3803.4	18.2	32.8	0.17	0.30
3.0-4.0	3785.2	25.3	58.1	0.23	0.53
4.0-5.0	3753.9	32.3	90.4	0.29	0.82
5.0-6.0	3710.9	39.0	129.4	0.36	1.18
6.0-7.0	3666.0	45.5	174.9	0.41	1.59
7.0-8.0	3626.7	51.9	226.8	0.47	2.07
8.0-9.0	3592.9	58.2	285.1	0.53	2.60
9.0-10.0	3560.5	64.4	349.5	0.59	3.18
10.0-11.0	3515.5	70.3	419.8	0.64	3.82
11.0-12.0	3457.8	75.6	495.4	0.69	4.51
12.0-13.0	3402.5	80.8	576.1	0.74	5.25
13.0-14.0	3350.6	85.8	661.9	0.78	6.03
14.0-15.0	3296.9	90.5	752.4	0.82	6.85
15.0-16.0	3240.4	95.0	847.4	0.86	7.72
16.0-17.0	3177.0	99.0	946.3	0.90	8.62
17.0-18.0	3107.8	102.5	1048.8	0.93	9.55
18.0-19.0	3039.6	105.8	1154.6	0.96	10.51
19.0-20.0	2977.6	109.0	1263.6	0.99	11.51
20.0-21.0	2922.2	112.2	1375.8	1.02	12.53
21.0-22.0	2872.6	115.5	1491.3	1.05	13.58
22.0-23.0	2817.1	118.2	1609.5	1.08	14.66
23.0-24.0	2747.9	120.2	1729.6	1.09	15.75
24.0-25.0	2679.1	121.8	1851.5	1.11	16.86
25.0-26.0	2616.2	123.5	1975.0	1.12	17.98
26.0-27.0	2564.0	125.5	2100.4	1.14	19.13
27.0-28.0	2524.2	127.8	2228.3	1.16	20.29
28.0-29.0	2490.1	130.3	2358.5	1.19	21.48
29.0-30.0	2449.6	132.3	2490.8	1.20	22.68
30.0-31.0	2404.6	133.8	2624.7	1.22	23.90
31.0-32.0	2363.2	135.4	2760.1	1.23	25.13
32.0-33.0	2326.8	137.1	2897.2	1.25	26.38
33.0-34.0	2299.1	139.2	3036.3	1.27	27.65
34.0-35.0	2274.2	141.3	3177.6	1.29	28.94
35.0-36.0	2244.9	143.0	3320.5	1.30	30.24

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 Operator:

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 Test Device: GPM-3000  
 Distance: 14.140 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	2215.4	144.5	3465.0	1.32	31.55
37.0-38.0	2188.2	146.1	3611.1	1.33	32.88
38.0-39.0	2153.9	147.0	3758.2	1.34	34.22
39.0-40.0	2116.5	147.6	3905.8	1.34	35.57
40.0-41.0	2083.6	148.4	4054.2	1.35	36.92
41.0-42.0	2058.9	149.6	4203.8	1.36	38.28
42.0-43.0	2030.8	150.5	4354.2	1.37	39.65
43.0-44.0	1989.1	150.2	4504.4	1.37	41.02
44.0-45.0	1945.8	149.6	4654.0	1.36	42.38
45.0-46.0	1912.3	149.6	4803.5	1.36	43.74
46.0-47.0	1886.1	150.0	4953.6	1.37	45.11
47.0-48.0	1858.5	150.3	5103.8	1.37	46.48
48.0-49.0	1822.5	149.7	5253.5	1.36	47.84
49.0-50.0	1784.5	148.8	5402.3	1.36	49.19
50.0-51.0	1751.5	148.2	5550.5	1.35	50.54
51.0-52.0	1722.1	147.8	5698.3	1.35	51.89
52.0-53.0	1700.0	147.9	5846.2	1.35	53.24
53.0-54.0	1675.9	147.7	5993.9	1.35	54.58
54.0-55.0	1643.7	146.7	6140.7	1.34	55.92
55.0-56.0	1609.9	145.5	6286.2	1.32	57.24
56.0-57.0	1575.8	144.1	6430.3	1.31	58.56
57.0-58.0	1541.7	142.6	6572.9	1.30	59.85
58.0-59.0	1511.9	141.4	6714.2	1.29	61.14
59.0-60.0	1482.4	140.1	6854.3	1.28	62.42
60.0-61.0	1446.7	138.1	6992.4	1.26	63.67
61.0-62.0	1411.2	136.0	7128.4	1.24	64.91
62.0-63.0	1378.4	134.1	7262.4	1.22	66.13
63.0-64.0	1346.0	132.1	7394.5	1.20	67.34
64.0-65.0	1312.8	129.9	7524.5	1.18	68.52
65.0-66.0	1273.2	127.0	7651.5	1.16	69.68
66.0-67.0	1230.9	123.8	7775.3	1.13	70.80
67.0-68.0	1193.9	121.0	7896.3	1.10	71.91
68.0-69.0	1159.7	118.3	8014.6	1.08	72.98
69.0-70.0	1127.7	115.8	8130.4	1.05	74.04
70.0-71.0	1095.4	113.2	8243.7	1.03	75.07
71.0-72.0	1061.9	110.4	8354.1	1.01	76.07

C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
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 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-3000  
 Distance: 14.140 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	1029.7	107.7	8461.8	0.98	77.05
73.0-74.0	996.3	104.8	8566.5	0.95	78.01
74.0-75.0	962.5	101.7	8668.2	0.93	78.93
75.0-76.0	930.0	98.7	8767.0	0.90	79.83
76.0-77.0	899.3	95.9	8862.9	0.87	80.71
77.0-78.0	869.4	93.1	8956.0	0.85	81.55
78.0-79.0	840.1	90.3	9046.2	0.82	82.38
79.0-80.0	810.9	87.4	9133.7	0.80	83.17
80.0-81.0	781.4	84.5	9218.2	0.77	83.94
81.0-82.0	752.8	81.6	9299.8	0.74	84.69
82.0-83.0	723.6	78.7	9378.5	0.72	85.40
83.0-84.0	695.1	75.7	9454.2	0.69	86.09
84.0-85.0	667.7	72.9	9527.1	0.66	86.76
85.0-86.0	642.2	70.2	9597.3	0.64	87.40
86.0-87.0	616.0	67.4	9664.8	0.61	88.01
87.0-88.0	588.5	64.5	9729.2	0.59	88.60
88.0-89.0	564.1	61.8	9791.1	0.56	89.16
89.0-90.0	539.3	59.1	9850.2	0.54	89.70
90.0-91.0	514.8	56.4	9906.7	0.51	90.21
91.0-92.0	493.5	54.1	9960.8	0.49	90.70
92.0-93.0	473.6	51.9	10012.6	0.47	91.18
93.0-94.0	454.3	49.7	10062.4	0.45	91.63
94.0-95.0	435.3	47.6	10109.9	0.43	92.06
95.0-96.0	417.2	45.5	10155.5	0.41	92.48
96.0-97.0	401.4	43.7	10199.2	0.40	92.88
97.0-98.0	386.4	42.0	10241.2	0.38	93.26
98.0-99.0	370.8	40.2	10281.5	0.37	93.63
99.0-100.0	356.7	38.6	10320.0	0.35	93.98
100.0-101.0	343.8	37.1	10357.1	0.34	94.31
101.0-102.0	330.4	35.5	10392.6	0.32	94.64
102.0-103.0	317.5	34.0	10426.6	0.31	94.95
103.0-104.0	305.5	32.6	10459.2	0.30	95.24
104.0-105.0	293.9	31.2	10490.4	0.28	95.53
105.0-106.0	281.6	29.8	10520.1	0.27	95.80
106.0-107.0	270.1	28.4	10548.5	0.26	96.06
107.0-108.0	259.7	27.2	10575.7	0.25	96.30

C Plane (°):0.0-360.0: 22.5  
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 Operator:

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 Test Device: GPM-3000  
 Distance: 14.140 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	249.1	25.9	10601.6	0.24	96.54
109.0-110.0	239.0	24.7	10626.3	0.22	96.77
110.0-111.0	228.6	23.5	10649.8	0.21	96.98
111.0-112.0	216.8	22.1	10671.9	0.20	97.18
112.0-113.0	205.0	20.8	10692.7	0.19	97.37
113.0-114.0	194.9	19.6	10712.3	0.18	97.55
114.0-115.0	185.4	18.5	10730.8	0.17	97.72
115.0-116.0	174.8	17.3	10748.1	0.16	97.87
116.0-117.0	164.7	16.2	10764.3	0.15	98.02
117.0-118.0	156.4	15.2	10779.5	0.14	98.16
118.0-119.0	148.1	14.3	10793.7	0.13	98.29
119.0-120.0	140.2	13.4	10807.1	0.12	98.41
120.0-121.0	133.1	12.6	10819.7	0.11	98.53
121.0-122.0	126.3	11.8	10831.5	0.11	98.63
122.0-123.0	119.1	11.0	10842.5	0.10	98.73
123.0-124.0	111.6	10.2	10852.7	0.09	98.83
124.0-125.0	104.6	9.4	10862.2	0.09	98.91
125.0-126.0	98.0	8.7	10870.9	0.08	98.99
126.0-127.0	92.0	8.1	10879.0	0.07	99.07
127.0-128.0	86.9	7.6	10886.6	0.07	99.14
128.0-129.0	81.7	7.0	10893.6	0.06	99.20
129.0-130.0	76.6	6.5	10900.1	0.06	99.26
130.0-131.0	71.3	5.9	10906.0	0.05	99.31
131.0-132.0	67.3	5.5	10911.5	0.05	99.36
132.0-133.0	64.9	5.2	10916.8	0.05	99.41
133.0-134.0	60.9	4.8	10921.6	0.04	99.45
134.0-135.0	57.2	4.5	10926.1	0.04	99.50
135.0-136.0	54.4	4.2	10930.3	0.04	99.53
136.0-137.0	51.7	3.9	10934.2	0.04	99.57
137.0-138.0	49.0	3.6	10937.8	0.03	99.60
138.0-139.0	46.6	3.4	10941.2	0.03	99.63
139.0-140.0	44.8	3.2	10944.4	0.03	99.66
140.0-141.0	42.0	2.9	10947.3	0.03	99.69
141.0-142.0	39.9	2.7	10950.1	0.02	99.71
142.0-143.0	37.8	2.5	10952.6	0.02	99.74
143.0-144.0	35.3	2.3	10954.9	0.02	99.76

C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25.2 'C  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-3000  
 Distance: 14.140 m [K=1.0000]  
 Humidity:  
 Inspector:

## Zonal Lumen (Continue 4)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	33.4	2.1	10957.0	0.02	99.78
145.0-146.0	31.3	1.9	10959.0	0.02	99.79
146.0-147.0	30.0	1.8	10960.8	0.02	99.81
147.0-148.0	28.9	1.7	10962.5	0.02	99.83
148.0-149.0	27.8	1.6	10964.1	0.01	99.84
149.0-150.0	26.3	1.5	10965.5	0.01	99.85
150.0-151.0	25.1	1.4	10966.9	0.01	99.87
151.0-152.0	23.9	1.2	10968.1	0.01	99.88
152.0-153.0	22.6	1.1	10969.3	0.01	99.89
153.0-154.0	21.3	1.0	10970.3	0.01	99.90
154.0-155.0	20.4	1.0	10971.3	0.01	99.91
155.0-156.0	20.7	0.9	10972.2	0.01	99.92
156.0-157.0	20.9	0.9	10973.1	0.01	99.92
157.0-158.0	19.8	0.8	10974.0	0.01	99.93
158.0-159.0	18.8	0.8	10974.7	0.01	99.94
159.0-160.0	18.4	0.7	10975.4	0.01	99.94
160.0-161.0	17.7	0.6	10976.1	0.01	99.95
161.0-162.0	17.0	0.6	10976.7	0.01	99.96
162.0-163.0	16.8	0.6	10977.2	0.01	99.96
163.0-164.0	17.2	0.5	10977.8	0.00	99.97
164.0-165.0	16.7	0.5	10978.2	0.00	99.97
165.0-166.0	15.7	0.4	10978.7	0.00	99.97
166.0-167.0	15.5	0.4	10979.1	0.00	99.98
167.0-168.0	15.4	0.4	10979.4	0.00	99.98
168.0-169.0	14.7	0.3	10979.8	0.00	99.98
169.0-170.0	15.0	0.3	10980.1	0.00	99.99
170.0-171.0	15.1	0.3	10980.3	0.00	99.99
171.0-172.0	14.2	0.2	10980.6	0.00	99.99
172.0-173.0	14.9	0.2	10980.8	0.00	99.99
173.0-174.0	15.9	0.2	10981.0	0.00	100.00
174.0-175.0	15.7	0.2	10981.1	0.00	100.00
175.0-176.0	15.3	0.1	10981.3	0.00	100.00
176.0-177.0	15.6	0.1	10981.4	0.00	100.00
177.0-178.0	16.0	0.1	10981.5	0.00	100.00
178.0-179.0	15.0	0.0	10981.5	0.00	100.00
179.0-180.0	14.8	0.0	10981.5	0.00	100.00

C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25.2 'C  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-3000  
 Distance: 14.140 m [K=1.0000]  
 Humidity:  
 Inspector:

## Zonal Lumen (Continue 5)

cone flux(90°): 4653.95 lm

%lum = 42.4%

%lamp = 42.4%

cone flux(120°): 6854.29 lm

%lum = 62.4%

%lamp = 62.4%



## Candlepower Table

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G0.0	3803.4	3803.4	3803.4	3803.4	3803.4	3803.4	3803.4	3803.4	3803.4	3803.4
G1.0	3807.1	3846.5	3882.6	3892.6	3901.0	3906.4	3867.2	3839.7	3807.8	3774.7
G2.0	3812.8	3891.1	3937.6	3950.2	3957.9	3955.5	3924.7	3881.1	3811.0	3749.7
G3.0	3811.3	3917.3	3981.9	3997.3	3984.4	3987.6	3964.4	3905.5	3819.1	3724.2
G4.0	3818.8	3943.1	4001.9	3989.6	3947.5	3970.2	3973.1	3933.4	3816.5	3693.2
G5.0	3806.4	3958.8	3996.0	3919.0	3855.3	3897.6	3973.9	3953.2	3820.4	3659.9
G6.0	3803.0	3974.7	3954.6	3843.8	3802.1	3822.4	3916.8	3966.3	3810.8	3621.2
G7.0	3796.1	3970.2	3888.5	3841.1	3833.1	3822.0	3856.8	3955.8	3808.9	3585.7
G8.0	3779.8	3969.0	3845.0	3872.6	3875.5	3861.1	3822.3	3964.4	3802.5	3548.3
G9.0	3763.2	3942.3	3839.5	3901.1	3918.7	3904.4	3828.4	3945.5	3796.1	3507.6
G10.0	3748.1	3925.7	3850.4	3932.9	3854.4	3936.5	3846.4	3928.6	3780.3	3472.0
G11.0	3728.8	3882.3	3865.9	3841.0	3760.6	3837.2	3865.7	3876.0	3762.1	3433.4
G12.0	3699.7	3828.0	3872.7	3765.9	3671.1	3737.9	3901.5	3825.3	3742.8	3391.4
G13.0	3664.8	3761.7	3882.4	3694.9	3766.3	3691.0	3892.0	3782.7	3711.2	3337.5
G14.0	3632.4	3714.6	3828.0	3771.7	3717.1	3762.0	3833.0	3745.0	3680.9	3279.2
G15.0	3601.4	3676.3	3744.4	3762.0	3834.4	3750.9	3750.1	3716.7	3654.7	3210.2
G16.0	3563.8	3649.2	3656.6	3825.7	3802.8	3816.1	3666.3	3692.0	3610.1	3127.3
G17.0	3523.4	3623.5	3634.8	3802.8	3680.4	3814.8	3667.7	3664.4	3575.3	3048.9
G18.0	3483.8	3603.9	3629.3	3740.8	3650.3	3732.7	3675.2	3639.9	3545.1	2967.4
G19.0	3439.1	3595.3	3655.9	3651.2	3591.4	3658.9	3690.1	3627.8	3502.4	2893.6
G20.0	3397.7	3576.1	3660.2	3626.9	3634.0	3623.1	3706.9	3606.4	3462.0	2817.3
G21.0	3360.4	3559.5	3650.7	3602.6	3682.5	3615.5	3704.4	3592.2	3417.5	2761.0
G22.0	3316.0	3536.5	3632.1	3683.9	3755.9	3687.2	3655.4	3556.8	3387.2	2694.8
G23.0	3269.0	3506.7	3540.7	3708.0	3716.5	3721.3	3570.0	3528.5	3340.2	2633.5
G24.0	3221.5	3462.3	3469.2	3706.6	3578.3	3716.1	3499.2	3483.7	3301.8	2573.1
G25.0	3175.7	3410.8	3430.2	3655.0	3569.5	3637.6	3473.3	3432.6	3257.3	2516.7
G26.0	3134.5	3337.0	3419.8	3567.0	3668.4	3565.7	3459.2	3355.9	3211.6	2439.7
G27.0	3087.6	3263.0	3415.3	3568.8	3756.6	3599.8	3459.3	3292.3	3163.4	2360.8
G28.0	3040.5	3205.4	3416.2	3621.1	3794.4	3674.9	3466.8	3242.3	3118.2	2281.6
G29.0	2989.6	3153.6	3413.7	3732.0	3812.5	3748.5	3445.9	3196.0	3061.4	2202.4
G30.0	2934.7	3128.4	3386.4	3728.0	3763.8	3742.4	3410.9	3158.8	3003.6	2117.4
G31.0	2885.6	3097.0	3346.1	3751.6	3818.6	3747.3	3360.5	3124.7	2956.3	2025.8
G32.0	2835.3	3067.1	3290.4	3701.4	3943.2	3740.1	3313.9	3093.2	2904.8	1924.3
G33.0	2777.9	3042.7	3240.5	3732.1	3998.4	3787.8	3304.4	3083.0	2853.9	1840.7
G34.0	2722.6	3024.7	3239.2	3808.4	3978.7	3864.3	3308.5	3061.7	2799.7	1768.3
G35.0	2658.7	2993.8	3249.8	3884.0	3955.4	3924.0	3337.5	3022.9	2735.0	1690.3
G36.0	2600.4	2962.6	3294.7	3810.6	4080.0	3847.6	3344.8	2977.7	2679.2	1609.5

C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25.2 'C  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-3000  
 Distance: 14.140 m [K=1.0000]  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G37.0	2537.8	2918.4	3254.9	3818.8	4284.0	3863.8	3309.0	2927.7	2615.8	1523.2
G38.0	2472.8	2869.6	3234.2	3902.8	4262.3	3975.3	3274.0	2873.3	2557.3	1442.4
G39.0	2397.0	2805.7	3209.2	3978.9	4092.6	4033.5	3267.6	2810.9	2493.0	1361.9
G40.0	2333.9	2738.3	3225.6	3957.5	4075.7	4036.9	3278.7	2756.4	2423.6	1282.2
G41.0	2260.0	2685.4	3222.5	3885.9	4307.4	3934.7	3298.7	2699.5	2355.5	1200.5
G42.0	2184.4	2639.4	3250.4	3929.5	4366.3	3984.4	3339.4	2650.4	2289.8	1124.8
G43.0	2111.6	2589.1	3230.1	4044.4	4157.9	4095.5	3274.7	2603.8	2212.4	1047.9
G44.0	2044.4	2536.9	3178.9	3978.8	4139.8	4008.0	3226.1	2579.9	2134.1	987.5
G45.0	1974.6	2497.1	3150.1	3884.5	4156.8	3952.8	3201.8	2550.8	2058.7	924.0
G46.0	1906.7	2463.1	3125.7	3877.5	4277.2	3943.2	3173.8	2495.1	1985.2	857.5
G47.0	1842.8	2401.6	3120.0	3929.3	4219.1	3986.7	3207.2	2434.4	1913.1	790.8
G48.0	1783.3	2343.1	3161.1	3951.4	4106.9	3983.1	3239.2	2368.9	1845.8	735.4
G49.0	1719.1	2279.5	3092.5	3898.7	4102.9	3939.4	3168.0	2304.2	1777.2	686.9
G50.0	1664.9	2210.6	3037.7	3874.6	4145.7	3915.9	3119.4	2242.1	1717.0	637.9
G51.0	1611.0	2159.8	2966.5	3869.9	4148.4	3918.1	3045.4	2182.3	1657.6	596.7
G52.0	1550.1	2123.3	2915.3	3874.1	4134.6	3920.2	2995.2	2162.2	1606.4	557.8
G53.0	1500.7	2129.5	2890.7	3863.4	4125.0	3907.7	2964.0	2162.8	1552.7	528.6
G54.0	1440.6	2082.5	2853.5	3842.4	4096.8	3891.2	2928.7	2104.2	1489.3	500.1
G55.0	1383.9	1987.3	2830.3	3818.7	4031.3	3867.0	2906.1	2023.1	1441.1	479.2
G56.0	1330.6	1912.0	2807.0	3789.3	3951.3	3830.8	2880.5	1945.0	1387.4	452.6
G57.0	1276.2	1861.9	2774.3	3744.9	3873.9	3776.7	2849.9	1881.5	1337.5	429.1
G58.0	1222.5	1832.7	2744.6	3688.4	3793.7	3721.1	2817.2	1832.4	1280.4	409.9
G59.0	1174.5	1831.3	2712.3	3626.3	3727.6	3657.5	2785.6	1844.8	1224.6	391.7
G60.0	1115.1	1790.3	2679.4	3554.9	3679.8	3585.8	2752.7	1823.1	1164.0	371.2
G61.0	1056.5	1690.4	2649.2	3486.6	3660.3	3516.1	2718.6	1716.6	1105.0	353.9
G62.0	998.7	1632.3	2611.0	3433.3	3659.4	3450.6	2686.6	1649.2	1048.9	328.9
G63.0	941.7	1576.3	2569.5	3395.4	3601.0	3406.4	2644.2	1596.5	993.9	311.6
G64.0	887.5	1554.2	2521.0	3351.6	3500.0	3368.4	2597.1	1573.4	937.1	291.5
G65.0	827.9	1530.0	2467.6	3291.0	3403.4	3314.4	2542.9	1562.9	874.4	270.8
G66.0	768.0	1425.7	2415.9	3226.3	3323.1	3249.9	2484.6	1472.3	818.9	251.9
G67.0	705.5	1361.9	2356.0	3157.0	3283.4	3182.5	2426.7	1389.4	751.2	240.7
G68.0	650.8	1319.4	2300.7	3088.8	3272.3	3109.9	2372.4	1336.2	688.5	223.9
G69.0	587.0	1274.9	2254.2	3029.8	3239.9	3060.5	2322.4	1283.6	626.3	205.4
G70.0	539.0	1231.9	2206.2	2987.7	3188.5	3014.2	2269.5	1242.1	574.0	191.6
G71.0	484.0	1187.3	2152.1	2942.0	3116.7	2967.6	2214.3	1192.8	515.2	174.5
G72.0	442.6	1144.0	2097.3	2890.6	3026.3	2918.2	2165.1	1151.6	472.9	161.9
G73.0	403.2	1094.8	2049.5	2823.8	2954.5	2856.3	2110.2	1106.7	422.9	146.7

C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25.2 'C  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-3000  
 Distance: 14.140 m [K=1.0000]  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G74.0	362.9	1046.1	1993.1	2747.2	2888.7	2774.6	2052.0	1060.7	387.3	132.6
G75.0	330.1	1000.3	1928.5	2673.8	2818.9	2701.3	1993.4	1021.5	343.9	121.9
G76.0	293.4	955.7	1871.3	2606.5	2761.3	2627.5	1934.7	972.2	310.4	110.0
G77.0	268.6	915.6	1810.8	2535.1	2698.6	2567.2	1875.9	931.3	278.3	105.7
G78.0	247.2	865.5	1753.3	2469.4	2630.5	2496.6	1821.1	886.1	253.0	92.7
G79.0	220.6	822.4	1699.0	2399.5	2573.2	2427.8	1765.7	849.0	226.4	83.6
G80.0	191.0	779.6	1643.3	2331.6	2500.2	2356.3	1703.7	804.6	195.2	77.6
G81.0	170.8	735.2	1583.2	2260.9	2432.0	2290.9	1642.4	767.5	177.4	70.8
G82.0	154.3	695.6	1523.1	2187.2	2364.5	2214.5	1584.6	726.6	158.6	67.2
G83.0	138.0	655.5	1464.6	2117.2	2292.5	2145.2	1519.4	679.4	140.1	61.0
G84.0	123.1	619.7	1410.9	2049.7	2222.5	2078.3	1464.2	647.4	119.6	57.9
G85.0	105.6	585.6	1348.2	1986.1	2153.2	2010.9	1398.2	607.7	106.1	51.7
G86.0	93.9	550.7	1297.1	1919.1	2079.9	1950.0	1347.3	576.0	96.9	51.5
G87.0	85.0	524.0	1237.8	1845.2	1993.3	1870.8	1290.3	543.5	89.3	48.7
G88.0	81.7	485.3	1186.3	1771.4	1921.3	1801.2	1225.1	508.3	74.6	48.7
G89.0	73.9	459.2	1136.9	1706.3	1850.0	1725.6	1180.4	482.6	66.8	50.3
G90.0	73.5	430.9	1086.2	1629.5	1773.2	1654.6	1125.2	450.1	69.5	31.4
G91.0	67.0	409.9	1036.1	1560.4	1700.2	1587.9	1074.6	427.9	59.2	40.1
G92.0	57.9	386.7	989.7	1501.8	1636.4	1519.8	1030.6	405.6	63.1	41.0
G93.0	62.4	362.6	950.6	1438.6	1573.4	1456.2	981.1	385.2	62.7	37.8
G94.0	62.5	347.6	903.3	1382.7	1512.9	1401.9	939.3	369.1	63.2	29.9
G95.0	62.4	333.4	869.2	1331.1	1445.4	1345.8	897.1	349.6	55.3	34.9
G96.0	55.5	318.9	830.6	1283.0	1390.2	1289.5	859.3	335.9	57.8	21.4
G97.0	57.4	305.2	801.5	1229.9	1343.8	1241.3	823.0	317.9	58.6	34.4
G98.0	59.5	286.3	769.7	1184.8	1294.4	1197.6	791.7	301.4	60.6	30.1
G99.0	56.3	270.6	733.7	1140.7	1241.4	1151.2	756.7	289.1	55.5	29.2
G100.0	60.9	257.6	705.7	1098.6	1204.0	1103.7	728.6	271.1	60.4	30.5
G101.0	62.9	247.1	676.4	1055.6	1156.0	1061.0	698.4	260.3	55.3	26.6
G102.0	60.4	239.3	649.3	1013.9	1115.5	1024.5	672.1	244.4	56.9	27.3
G103.0	57.9	221.8	621.6	976.8	1070.4	982.7	641.6	235.9	58.3	29.2
G104.0	56.9	210.6	595.9	941.4	1035.3	950.3	615.3	221.5	54.0	25.7
G105.0	56.5	203.6	568.1	909.7	997.0	913.2	583.3	215.1	55.1	23.2
G106.0	52.6	188.4	536.8	871.1	958.0	877.0	559.9	198.9	50.8	22.1
G107.0	59.9	179.3	518.1	840.5	927.2	848.3	533.5	186.3	53.7	17.8
G108.0	54.0	170.4	493.0	808.3	893.1	811.4	507.7	176.5	56.9	22.8
G109.0	50.8	161.9	463.5	778.6	863.2	780.3	485.0	165.6	56.0	15.1
G110.0	56.5	152.4	446.4	743.9	826.7	756.5	455.4	159.9	52.4	22.3

C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25.2 'C  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-3000  
 Distance: 14.140 m [K=1.0000]  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G111.0	54.2	146.7	420.4	717.4	771.7	721.2	436.6	149.3	55.6	18.4
G112.0	54.0	136.4	401.7	683.8	718.0	685.7	414.8	139.3	48.0	19.6
G113.0	55.6	133.0	378.0	655.5	669.0	659.4	392.3	132.4	50.8	12.7
G114.0	54.0	123.4	357.2	624.2	624.4	627.1	367.1	127.4	47.8	18.4
G115.0	46.8	112.5	341.5	597.3	583.4	595.6	347.6	120.1	51.4	18.5
G116.0	47.8	107.3	314.8	565.6	542.2	562.1	331.3	114.7	49.3	13.7
G117.0	39.7	102.7	300.0	534.6	514.1	533.0	307.9	111.7	47.7	16.2
G118.0	45.4	100.2	284.4	502.8	480.8	501.3	294.5	100.9	43.6	17.3
G119.0	43.1	93.1	268.2	474.2	455.9	475.8	275.0	95.7	39.0	17.8
G120.0	49.6	90.0	248.8	448.1	430.1	445.6	258.6	94.5	36.3	15.9
G121.0	42.0	88.6	236.2	420.6	407.5	419.0	243.9	89.0	40.4	17.1
G122.0	42.7	85.0	223.3	391.6	384.4	395.4	232.2	83.6	38.3	19.1
G123.0	40.2	79.7	211.3	367.0	360.3	365.6	217.5	84.5	39.0	18.4
G124.0	37.9	75.2	197.1	337.8	338.1	343.9	201.2	73.7	35.6	16.6
G125.0	36.9	69.5	182.5	317.0	316.8	313.8	189.1	69.7	35.6	17.5
G126.0	37.9	69.2	173.9	290.5	292.9	294.3	180.0	65.8	38.5	15.7
G127.0	36.9	64.7	163.5	271.6	273.6	271.7	171.0	67.8	28.3	14.6
G128.0	37.9	61.9	153.2	248.6	255.7	255.2	156.0	61.6	35.1	17.3
G129.0	32.6	57.1	145.9	227.7	234.6	233.4	148.3	60.0	32.4	12.5
G130.0	31.9	54.4	136.7	214.1	222.0	213.3	138.5	55.3	33.0	18.4
G131.0	34.0	46.9	127.6	197.3	202.7	198.0	136.2	48.6	20.9	14.4
G132.0	30.5	50.8	122.3	178.3	191.9	185.3	126.7	55.3	32.2	14.6
G133.0	34.2	52.8	117.3	173.1	175.7	176.7	117.8	52.7	29.9	14.6
G134.0	30.1	40.8	111.7	156.7	166.2	161.8	111.5	52.7	30.6	11.4
G135.0	22.7	47.4	103.3	146.4	156.3	150.9	101.5	48.7	32.4	12.5
G136.0	28.2	38.9	92.7	138.7	151.5	140.9	99.0	46.1	31.5	8.9
G137.0	25.2	45.8	92.0	131.1	142.4	130.8	94.0	45.7	29.1	11.4
G138.0	28.0	41.9	86.2	118.7	133.6	123.1	86.5	29.2	25.5	14.6
G139.0	27.6	35.8	85.0	114.4	123.7	109.5	84.2	40.9	23.6	10.0
G140.0	26.7	28.3	78.5	107.4	117.8	104.9	79.2	38.6	25.5	10.7
G141.0	28.0	34.1	68.3	99.5	108.7	97.7	71.8	36.5	23.2	11.1
G142.0	24.3	33.5	66.1	91.2	103.3	88.2	65.2	37.9	23.0	12.8
G143.0	21.8	27.5	65.9	87.2	92.4	83.7	62.0	33.4	25.5	11.6
G144.0	23.6	25.1	63.4	78.8	91.1	73.5	52.2	30.8	22.7	10.2
G145.0	20.4	25.0	58.8	63.1	84.2	70.6	57.2	30.1	23.4	11.2
G146.0	23.6	24.6	48.2	67.1	73.1	58.8	52.2	24.2	22.7	11.8
G147.0	22.9	24.1	45.8	61.7	66.4	59.3	48.1	28.5	21.4	10.0

C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25.2 'C  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-3000  
 Distance: 14.140 m [K=1.0000]  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G148.0	23.0	26.2	47.8	57.2	64.8	52.9	46.8	27.2	20.5	10.5
G149.0	19.8	21.4	38.8	61.7	63.6	52.9	45.7	26.5	19.7	9.5
G150.0	18.8	22.6	40.8	48.2	56.6	36.4	44.7	24.5	18.4	13.0
G151.0	17.9	17.5	39.3	45.5	51.4	43.9	37.9	26.9	23.0	0.0
G152.0	20.5	21.9	33.2	32.7	50.0	45.7	36.5	22.6	16.1	10.9
G153.0	18.4	17.7	26.2	39.2	47.8	36.0	31.6	20.8	22.9	11.2
G154.0	15.1	12.3	31.1	30.6	44.9	33.2	33.6	18.1	20.5	0.0
G155.0	20.4	14.4	27.1	37.8	27.2	36.0	30.0	16.4	16.3	13.2
G156.0	18.2	12.7	32.2	36.0	41.2	33.5	31.5	18.5	16.7	7.7
G157.0	15.1	16.8	27.0	33.1	37.8	26.3	29.1	15.1	20.5	11.6
G158.0	17.5	9.3	26.2	31.8	30.6	25.3	22.9	15.3	20.4	12.3
G159.0	17.5	13.7	20.5	27.7	36.3	22.9	24.7	12.8	18.8	11.1
G160.0	15.8	13.0	21.9	29.9	24.7	26.0	21.6	13.9	21.1	12.1
G161.0	16.3	9.8	18.1	26.8	29.4	24.6	19.3	15.3	17.9	9.6
G162.0	19.3	9.1	19.0	23.9	20.4	22.6	21.6	13.2	20.4	12.3
G163.0	15.2	10.5	15.3	26.3	24.5	20.3	19.8	15.8	19.3	10.2
G164.0	17.9	13.0	14.6	20.9	22.2	21.3	21.1	13.2	19.3	14.3
G165.0	17.4	10.9	16.0	21.0	21.7	16.3	16.1	16.0	21.6	12.3
G166.0	17.5	10.7	14.9	18.5	20.6	22.0	11.6	15.7	18.2	10.7
G167.0	14.2	11.1	13.8	16.9	19.9	15.2	13.2	13.0	22.5	15.5
G168.0	13.5	16.2	11.9	15.3	15.6	14.2	12.9	16.5	18.8	8.9
G169.0	15.8	11.1	11.7	13.5	13.8	14.0	15.2	12.1	16.5	13.7
G170.0	16.1	14.6	9.2	15.3	16.6	14.9	18.0	13.7	21.3	11.9
G171.0	17.0	8.4	11.0	12.2	12.5	11.8	19.7	11.0	18.2	15.1
G172.0	17.4	13.2	13.1	13.3	0.0	11.6	17.7	13.5	17.9	11.2
G173.0	18.4	12.3	10.6	11.3	19.3	12.0	17.3	15.7	19.1	14.8
G174.0	20.0	17.1	13.3	16.6	14.5	11.6	14.7	18.5	22.9	7.8
G175.0	15.9	14.8	14.4	16.7	14.5	10.8	15.5	17.1	17.0	13.0
G176.0	20.4	10.2	15.8	16.2	14.0	14.3	14.3	14.6	21.1	11.1
G177.0	22.0	15.5	13.5	16.6	13.8	14.3	17.2	15.8	21.4	12.8
G178.0	15.9	16.0	13.8	12.2	11.5	14.5	17.3	17.3	20.9	15.1
G179.0	19.3	18.7	10.8	12.6	12.9	11.5	14.1	9.4	19.3	13.6
G180.0	18.6	13.2	15.4	15.6	13.3	14.0	17.9	16.0	21.8	13.6

C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25.2 'C  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-3000  
 Distance: 14.140 m [K=1.0000]  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 5)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G0.0	3803.4	3803.4	3803.4	3803.4	3803.4	3803.4	3803.4			
G1.0	3755.0	3726.2	3721.2	3735.1	3741.9	3769.7	3807.1			
G2.0	3698.8	3652.4	3635.8	3654.1	3688.8	3749.3	3812.8			
G3.0	3639.3	3570.6	3544.6	3572.9	3624.6	3713.0	3811.3			
G4.0	3572.1	3492.5	3482.3	3498.7	3556.4	3680.1	3818.8			
G5.0	3516.3	3433.5	3395.5	3440.4	3491.5	3638.5	3806.4			
G6.0	3476.0	3331.1	3289.8	3338.8	3442.2	3597.7	3803.0			
G7.0	3413.7	3223.2	3156.8	3230.7	3380.0	3557.5	3796.1			
G8.0	3334.3	3095.5	3047.0	3113.9	3300.6	3503.6	3779.8			
G9.0	3241.9	3009.5	2962.0	3015.5	3207.4	3454.1	3763.2			
G10.0	3139.7	2933.7	2890.4	2942.5	3106.0	3412.0	3748.1			
G11.0	3052.7	2860.9	2794.9	2855.6	3016.0	3362.2	3728.8			
G12.0	2976.0	2766.3	2671.4	2765.8	2920.5	3318.1	3699.7			
G13.0	2923.4	2644.5	2506.8	2645.9	2859.6	3261.5	3664.8			
G14.0	2856.8	2509.9	2365.9	2507.4	2791.7	3197.6	3632.4			
G15.0	2766.6	2382.5	2248.6	2380.5	2703.0	3125.0	3601.4			
G16.0	2669.0	2261.3	2116.8	2270.8	2606.9	3051.6	3563.8			
G17.0	2545.0	2138.8	1964.6	2132.8	2486.1	2975.4	3523.4			
G18.0	2432.8	2001.0	1823.3	1988.2	2369.2	2888.4	3483.8			
G19.0	2326.6	1865.9	1668.6	1852.1	2261.6	2816.9	3439.1			
G20.0	2210.7	1722.1	1524.0	1723.8	2162.2	2731.2	3397.7			
G21.0	2114.8	1581.3	1378.2	1584.9	2057.5	2661.6	3360.4			
G22.0	2005.5	1446.0	1243.9	1448.7	1953.9	2596.1	3316.0			
G23.0	1881.2	1315.6	1131.1	1298.1	1840.6	2544.5	3269.0			
G24.0	1761.2	1194.9	1030.1	1181.5	1726.0	2480.1	3221.5			
G25.0	1647.6	1096.3	937.2	1079.1	1613.1	2414.0	3175.7			
G26.0	1535.7	995.5	860.2	986.8	1499.2	2336.7	3134.5			
G27.0	1424.7	918.2	805.6	903.3	1392.5	2265.2	3087.6			
G28.0	1325.7	851.8	754.7	834.8	1287.6	2182.5	3040.5			
G29.0	1233.0	800.0	710.3	783.0	1195.8	2105.5	2989.6			
G30.0	1139.2	756.5	663.2	734.8	1113.0	2023.3	2934.7			
G31.0	1051.0	712.2	621.2	691.1	1021.5	1932.2	2885.6			
G32.0	973.4	671.2	581.2	654.9	946.1	1840.2	2835.3			
G33.0	903.0	628.2	541.8	611.2	874.4	1757.7	2777.9			
G34.0	842.8	585.9	514.8	569.8	822.8	1680.3	2722.6			
G35.0	792.7	555.9	473.6	536.6	769.4	1603.3	2658.7			
G36.0	733.5	519.5	438.9	506.7	715.6	1531.9	2600.4			

C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25.2 'C  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-3000  
 Distance: 14.140 m [K=1.0000]  
 Humidity:  
 Inspector:



## Candlepower Table (Continue 6)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G37.0	687.9	483.7	414.9	478.0	670.7	1450.8	2537.8			
G38.0	643.9	448.3	384.8	433.0	631.0	1376.4	2472.8			
G39.0	610.5	423.1	359.4	405.9	595.1	1299.0	2397.0			
G40.0	580.8	394.5	335.0	378.9	568.7	1217.0	2333.9			
G41.0	546.3	363.6	304.8	350.6	536.1	1139.3	2260.0			
G42.0	516.9	338.2	278.8	324.6	507.0	1071.0	2184.4			
G43.0	488.0	307.1	256.6	295.0	477.7	1000.3	2111.6			
G44.0	460.6	285.1	234.9	275.8	451.6	937.7	2044.4			
G45.0	430.5	259.4	210.9	253.6	421.2	879.5	1974.6			
G46.0	403.0	239.3	196.1	229.2	397.1	818.5	1906.7			
G47.0	378.5	223.2	175.5	211.3	376.4	757.7	1842.8			
G48.0	350.7	211.2	167.8	195.2	353.5	706.6	1783.3			
G49.0	328.8	191.4	154.2	183.5	328.7	663.2	1719.1			
G50.0	307.0	175.9	145.0	170.3	303.6	618.0	1664.9			
G51.0	285.1	165.5	137.5	156.5	282.2	578.2	1611.0			
G52.0	263.6	152.4	131.8	146.4	265.4	547.9	1550.1			
G53.0	242.5	144.5	129.3	135.3	250.6	525.2	1500.7			
G54.0	233.2	136.9	123.7	128.9	227.9	496.5	1440.6			
G55.0	211.8	125.7	118.4	116.0	210.5	472.7	1383.9			
G56.0	199.6	119.5	113.7	117.2	203.6	454.2	1330.6			
G57.0	180.4	113.3	106.2	108.4	183.9	431.8	1276.2			
G58.0	170.0	104.9	103.1	100.0	169.8	413.6	1222.5			
G59.0	158.1	102.9	92.0	93.4	156.4	398.5	1174.5			
G60.0	146.8	97.9	86.8	86.4	146.0	377.9	1115.1			
G61.0	135.1	89.8	86.1	83.2	133.7	354.7	1056.5			
G62.0	124.9	81.9	76.6	76.2	124.4	339.6	998.7			
G63.0	113.9	74.5	62.8	67.2	113.3	317.4	941.7			
G64.0	109.1	64.6	60.0	65.1	105.8	298.5	887.5			
G65.0	95.9	59.4	56.0	54.1	94.7	280.2	827.9			
G66.0	86.4	49.1	46.6	48.9	90.4	257.3	768.0			
G67.0	75.5	47.7	29.4	44.1	77.7	243.9	705.5			
G68.0	74.6	32.0	30.8	31.5	72.4	227.4	650.8			
G69.0	57.7	24.1	13.1	21.0	69.5	209.7	587.0			
G70.0	60.4	23.4	8.4	18.3	57.4	195.0	539.0			
G71.0	52.5	9.7	0.0	0.0	54.7	183.2	484.0			
G72.0	47.4	0.0	9.1	0.0	44.1	162.4	442.6			
G73.0	41.9	9.2	8.6	0.0	42.9	145.9	403.2			

C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25.2 'C  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-3000  
 Distance: 14.140 m [K=1.0000]  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 7)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G74.0	30.2	8.5	0.0	7.3	36.1	137.0	362.9			
G75.0	30.0	10.1	10.6	0.0	29.0	123.1	330.1			
G76.0	18.5	0.0	8.8	7.2	27.7	119.0	293.4			
G77.0	25.7	0.0	8.8	0.0	26.8	106.2	268.6			
G78.0	24.3	0.0	8.2	0.0	23.8	94.1	247.2			
G79.0	18.7	10.1	8.1	0.0	26.3	88.2	220.6			
G80.0	18.5	13.3	9.3	0.0	23.8	83.1	191.0			
G81.0	22.3	11.9	7.3	0.0	23.9	76.9	170.8			
G82.0	18.3	10.6	10.0	7.7	22.7	69.6	154.3			
G83.0	21.2	8.8	9.7	0.0	24.1	62.8	138.0			
G84.0	11.3	11.7	9.5	0.0	18.9	60.0	123.1			
G85.0	16.7	9.5	0.0	0.0	21.3	61.2	105.6			
G86.0	18.0	9.0	9.1	7.5	22.9	60.1	93.9			
G87.0	12.6	0.0	10.7	7.5	15.5	47.3	85.0			
G88.0	14.7	9.4	8.4	7.7	16.1	51.6	81.7			
G89.0	18.5	8.3	11.6	9.5	16.6	44.3	73.9			
G90.0	17.2	8.6	9.1	0.0	12.9	44.5	73.5			
G91.0	12.2	10.4	9.3	0.0	20.9	39.9	67.0			
G92.0	17.8	7.7	10.7	9.9	19.8	36.1	57.9			
G93.0	14.9	10.8	10.7	12.0	17.5	42.7	62.4			
G94.0	14.0	8.6	12.0	10.0	18.8	42.9	62.5			
G95.0	16.9	9.7	11.1	0.0	16.4	31.8	62.4			
G96.0	12.2	9.0	13.4	8.2	14.3	40.6	55.5			
G97.0	16.0	9.4	13.4	0.0	16.1	36.8	57.4			
G98.0	11.5	9.5	10.7	7.2	13.2	32.0	59.5			
G99.0	13.1	9.0	10.9	0.0	15.7	33.6	56.3			
G100.0	10.6	12.4	11.1	7.2	13.9	31.7	60.9			
G101.0	12.2	9.5	12.5	8.8	17.5	32.4	62.9			
G102.0	12.6	11.3	8.4	0.0	16.6	28.8	60.4			
G103.0	13.3	11.9	7.9	9.3	17.0	23.8	57.9			
G104.0	12.9	9.9	12.2	7.2	13.8	32.4	56.9			
G105.0	14.2	8.1	9.5	8.8	14.8	28.6	56.5			
G106.0	12.6	11.5	12.2	10.0	13.2	28.1	52.6			
G107.0	12.0	10.8	10.2	7.7	12.3	23.8	59.9			
G108.0	10.2	8.1	7.7	7.5	13.8	27.0	54.0			
G109.0	14.2	11.7	9.0	7.9	15.0	25.3	50.8			
G110.0	11.0	11.3	9.7	0.0	14.3	26.9	56.5			

C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25.2 'C  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-3000  
 Distance: 14.140 m [K=1.0000]  
 Humidity:  
 Inspector:



## Candlepower Table (Continue 8)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G111.0	9.3	9.4	13.4	9.1	12.2	26.0	54.2			
G112.0	0.0	9.5	14.0	8.2	11.1	21.0	54.0			
G113.0	0.0	9.0	11.5	0.0	12.3	24.5	55.6			
G114.0	12.8	8.3	14.0	0.0	12.0	23.3	54.0			
G115.0	9.9	10.1	11.6	10.0	10.9	23.8	46.8			
G116.0	8.6	9.5	10.0	0.0	12.3	14.4	47.8			
G117.0	10.1	8.1	8.6	0.0	12.2	21.0	39.7			
G118.0	11.1	11.9	12.4	0.0	11.3	19.4	45.4			
G119.0	8.3	11.9	11.1	0.0	14.1	18.3	43.1			
G120.0	13.1	11.7	13.8	0.0	13.2	15.5	49.6			
G121.0	9.0	10.1	12.0	9.5	12.0	16.9	42.0			
G122.0	11.0	12.6	12.9	7.9	13.8	13.7	42.7			
G123.0	10.2	11.3	10.4	0.0	13.0	14.2	40.2			
G124.0	11.0	9.5	9.1	8.2	14.7	19.4	37.9			
G125.0	8.1	12.4	9.3	10.2	12.7	15.5	36.9			
G126.0	8.8	11.7	11.8	0.0	12.2	15.3	37.9			
G127.0	11.0	9.9	13.4	0.0	11.8	15.7	36.9			
G128.0	11.1	8.8	12.2	13.1	10.9	15.1	37.9			
G129.0	10.2	13.3	13.3	8.2	10.5	20.1	32.6			
G130.0	9.2	9.2	14.3	7.3	13.9	18.7	31.9			
G131.0	8.4	14.2	12.9	0.0	12.9	15.8	34.0			
G132.0	9.5	10.8	15.4	11.3	11.8	15.8	30.5			
G133.0	8.4	11.3	15.4	8.1	10.2	16.0	34.2			
G134.0	0.0	16.0	9.1	9.1	9.8	15.7	30.1			
G135.0	11.7	11.9	17.0	7.2	14.7	11.4	22.7			
G136.0	12.0	7.2	11.5	11.3	12.7	13.5	28.2			
G137.0	10.8	14.8	15.2	0.0	12.0	10.1	25.2			
G138.0	11.9	8.8	10.4	11.6	12.3	15.7	28.0			
G139.0	9.9	16.0	14.5	9.0	13.9	14.6	27.6			
G140.0	13.7	14.8	14.9	10.4	14.1	15.3	26.7			
G141.0	0.0	12.6	10.9	12.4	13.9	16.2	28.0			
G142.0	11.9	14.4	14.7	13.3	15.7	18.0	24.3			
G143.0	8.3	14.4	11.3	9.9	9.5	13.2	21.8			
G144.0	13.1	13.1	14.5	11.8	13.2	16.5	23.6			
G145.0	12.2	16.0	13.1	0.0	15.0	14.6	20.4			
G146.0	10.2	11.0	16.8	9.7	18.0	14.1	23.6			
G147.0	15.8	15.6	14.3	8.4	16.4	13.7	22.9			

C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25.2 'C  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-3000  
 Distance: 14.140 m [K=1.0000]  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 9)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G148.0	11.3	8.1	15.4	10.8	14.3	15.3	23.0			
G149.0	10.6	14.8	16.8	11.8	12.0	11.7	19.8			
G150.0	12.0	13.9	16.1	9.3	13.4	17.1	18.8			
G151.0	17.2	17.8	12.2	14.2	17.9	13.5	17.9			
G152.0	14.0	13.3	13.3	11.1	11.3	14.9	20.5			
G153.0	13.3	17.5	15.9	10.8	16.4	10.7	18.4			
G154.0	11.7	19.8	12.2	11.3	17.7	13.7	15.1			
G155.0	14.6	16.6	14.7	11.3	14.7	17.6	20.4			
G156.0	13.3	15.5	17.2	8.6	16.3	14.9	18.2			
G157.0	14.6	17.8	16.3	18.1	19.1	16.0	15.1			
G158.0	12.8	19.1	15.9	11.8	16.6	12.3	17.5			
G159.0	14.0	15.1	19.9	13.1	19.8	14.1	17.5			
G160.0	11.3	15.8	18.8	10.9	15.5	14.2	15.8			
G161.0	14.4	17.1	14.3	12.7	17.3	16.7	16.3			
G162.0	9.3	15.6	14.3	11.6	13.8	17.4	19.3			
G163.0	14.7	19.2	19.5	12.0	15.5	14.6	15.2			
G164.0	16.5	16.2	18.3	14.0	19.5	16.7	17.9			
G165.0	10.2	18.0	15.9	10.4	15.7	14.6	17.4			
G166.0	12.6	16.4	16.8	14.2	13.0	13.7	17.5			
G167.0	12.9	16.0	18.1	14.2	17.0	14.8	14.2			
G168.0	17.2	17.6	16.5	17.4	17.3	16.2	13.5			
G169.0	12.8	16.6	12.2	12.9	18.6	13.0	15.8			
G170.0	13.8	20.2	18.3	15.8	20.4	16.0	16.1			
G171.0	12.9	16.0	17.9	13.4	15.7	14.2	17.0			
G172.0	16.4	15.8	19.3	19.0	18.8	9.3	17.4			
G173.0	18.5	15.3	15.9	11.3	19.1	18.7	18.4			
G174.0	12.9	20.2	20.4	15.6	18.0	15.3	20.0			
G175.0	15.6	14.8	15.0	15.2	16.1	17.3	15.9			
G176.0	14.6	20.7	16.1	14.5	15.5	13.2	20.4			
G177.0	13.5	17.1	16.3	14.3	11.3	17.6	22.0			
G178.0	13.1	23.4	19.7	14.9	17.7	14.6	15.9			
G179.0	11.9	14.6	14.9	14.2	10.5	13.5	19.3			
G180.0	16.7	17.1	16.8	13.1	15.0	14.4	18.6			

C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25.2 'C  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-3000  
 Distance: 14.140 m [K=1.0000]  
 Humidity:  
 Inspector: