

S-72902-6W

Luminaire Property

Luminaire Manufacturer:	Luminaire Description: UT25-GLR6
Luminaire Category:	Lamp Description:
Lamp Catalog:	Lumens per Lamp:
Number of Lamps:	Luminous Width (mm):
Luminous Length (mm):	Voltage: 48.0 V
Luminous Height (mm):	Power: 5.9 W
Current: 0.123 A	
Power Factor: 1.000	

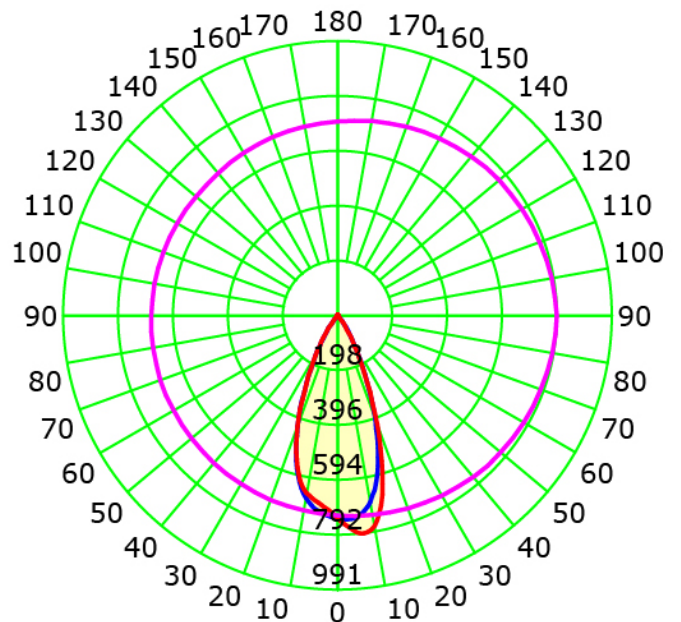
Photometric Results

CIE Class: Direct	Total Rated Lamp Lumens: 392.4 lm
Measurement Flux: 392.4 lm	Efficiency: 100%
Downward Ratio: 99%	Upward Ratio: 1%
Horizontal Diffuse Angle(50%): H42.7	
Vertical Diffuse Angle(50%): V42.4	
Luminaire Efficacy Rating (LER): 66.55	C0r0 Intensity: 733.27 cd
Max. Intensity: 792.96 cd	Pos of Max. Intensity: H90 V7
S/MH(C0/C180): 0.70	S/MH(C90/C270): 0.71

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 42.1°

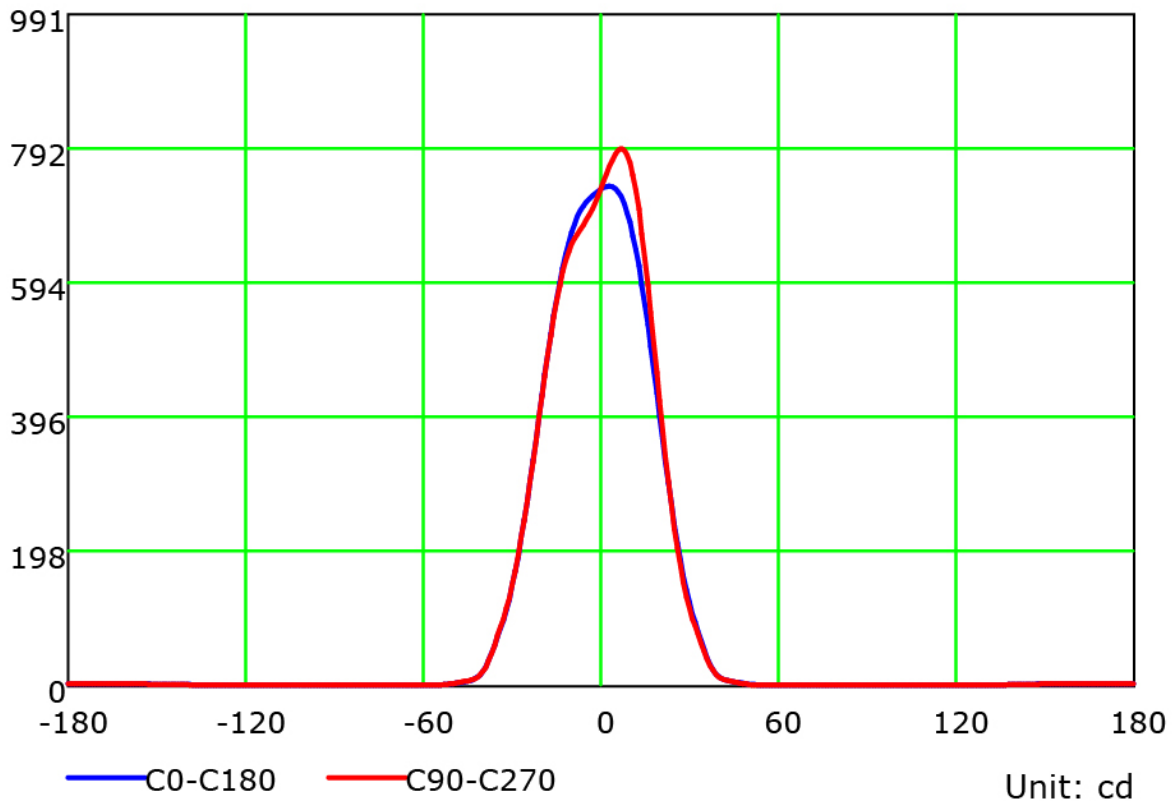
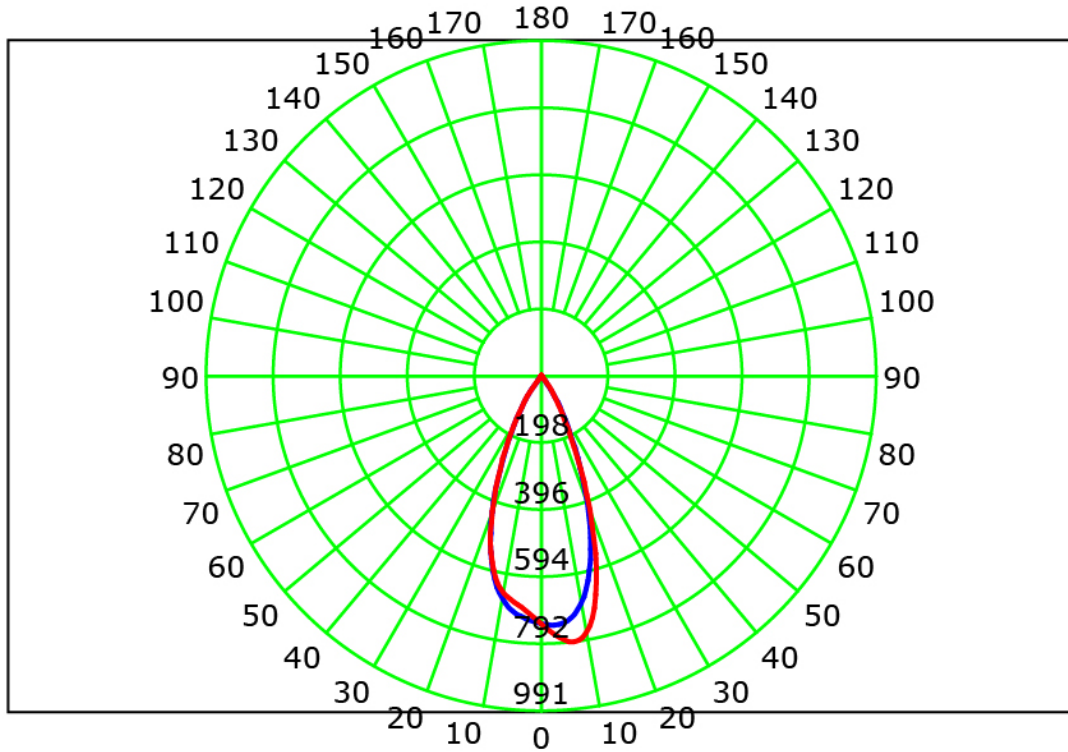
— C0-C180 — C90-C270 — G7

C Plane (°):0.0-360.0: 45.0
 Test Lab: Inventfine instrument
 Test Type: TYPE C
 Temperature: 26
 Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.508 m [K=0.8500]
 Humidity: 65
 Inspector:

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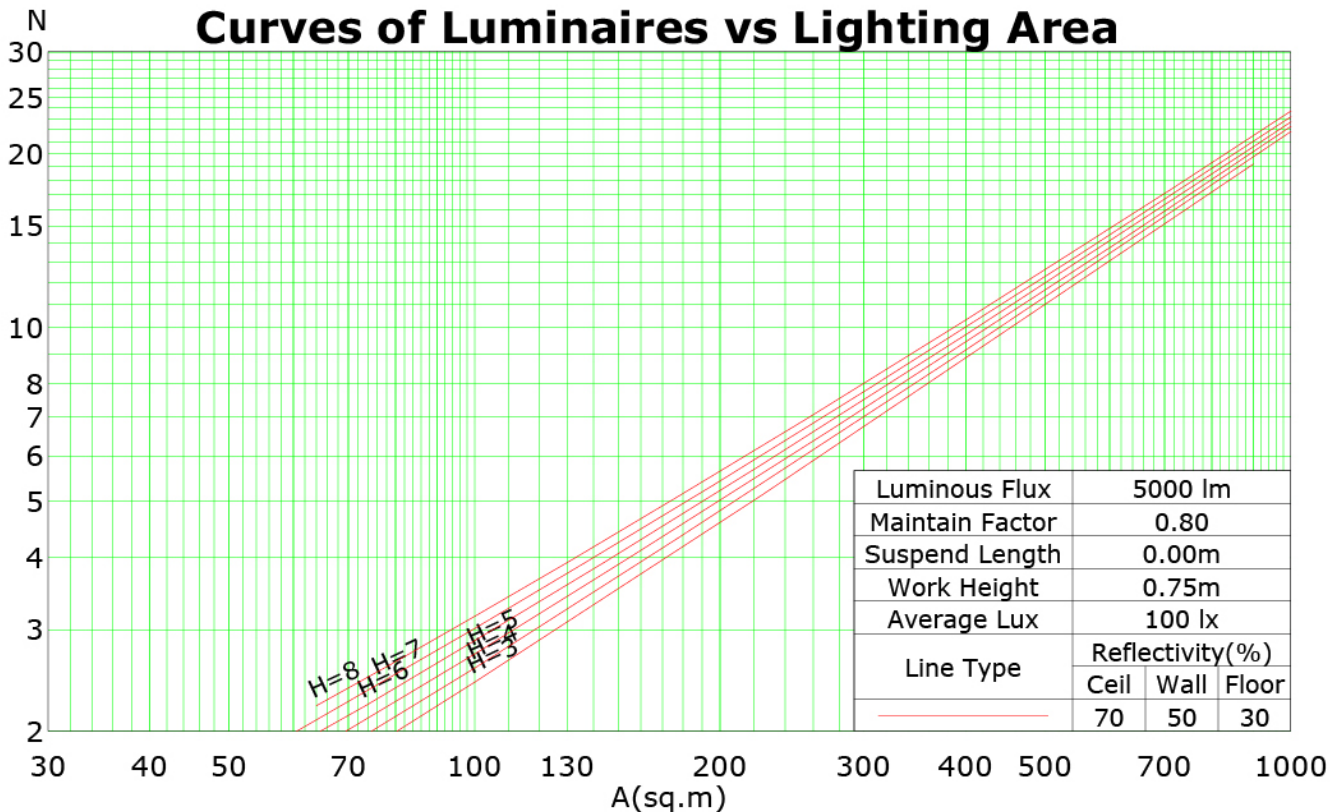
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Coefficients Of Utilization - Zonal Cavity Method

RC	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0
RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
RCR	RF = 0.2																	
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	0.99
1	1.14	1.12	1.09	1.08	1.12	1.09	1.07	1.06	1.05	1.04	1.02	1.01	1.00	0.99	0.98	0.97	0.96	0.94
2	1.09	1.05	1.02	0.99	1.07	1.03	1.00	0.98	1.00	0.98	0.95	0.97	0.95	0.93	0.94	0.93	0.91	0.90
3	1.05	0.99	0.95	0.92	1.03	0.98	0.94	0.91	0.95	0.92	0.90	0.93	0.90	0.88	0.91	0.88	0.87	0.85
4	1.01	0.94	0.90	0.86	0.99	0.93	0.89	0.85	0.91	0.87	0.84	0.89	0.86	0.83	0.87	0.84	0.82	0.81
5	0.97	0.90	0.85	0.81	0.95	0.89	0.84	0.81	0.87	0.83	0.80	0.85	0.82	0.79	0.84	0.81	0.78	0.77
6	0.93	0.85	0.80	0.77	0.91	0.85	0.80	0.76	0.83	0.79	0.76	0.82	0.78	0.75	0.80	0.77	0.75	0.73
7	0.89	0.81	0.76	0.73	0.88	0.81	0.76	0.72	0.79	0.75	0.72	0.78	0.74	0.72	0.77	0.74	0.71	0.70
8	0.86	0.78	0.73	0.69	0.85	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.68	0.74	0.71	0.68	0.67
9	0.83	0.74	0.69	0.66	0.82	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.65	0.71	0.68	0.65	0.64
10	0.79	0.71	0.66	0.63	0.79	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.69	0.65	0.62	0.61

Spacing Criteria (0-180): 0.70
 Spacing Criteria (90-270): 0.71
 Spacing Criteria (Diagonal): 0.67

Curves of Luminaires vs Lighting Area

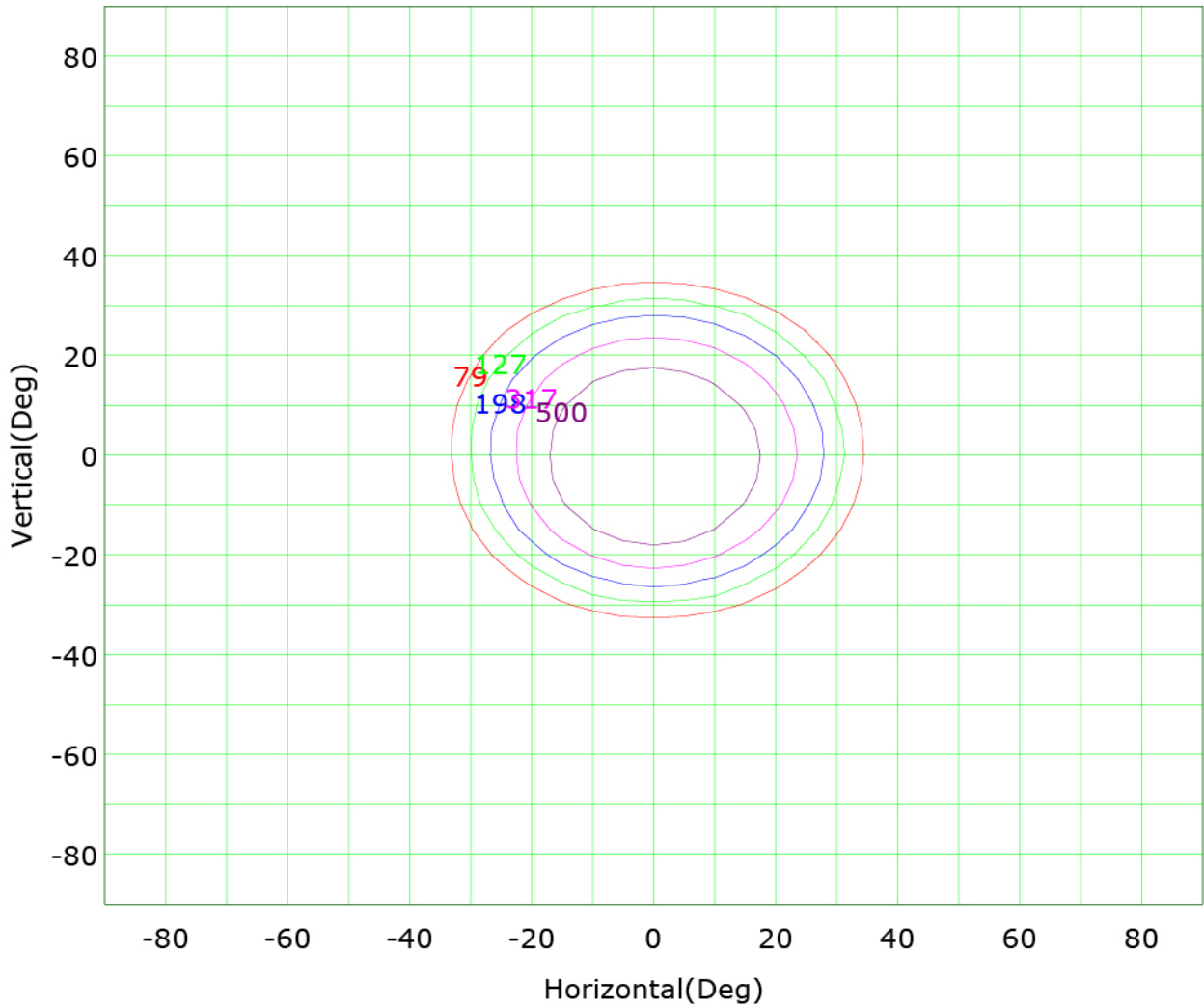


C Plane (°):0.0-360.0: 45.0
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Isocandela (rectangle)



Imax (100%): 793 cd

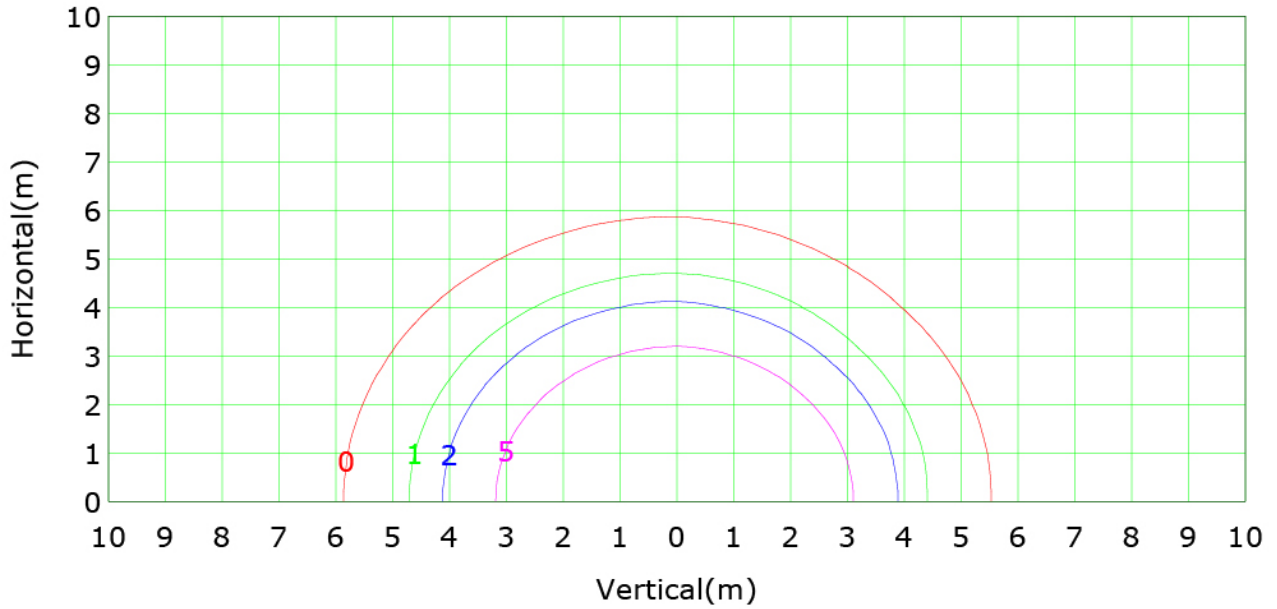
— (10%): 79 cd	— (16%): 127 cd
— (25%): 198 cd	— (40%): 317 cd
— (63%): 500 cd	— (100%): 793 cd

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IsoLux Plot



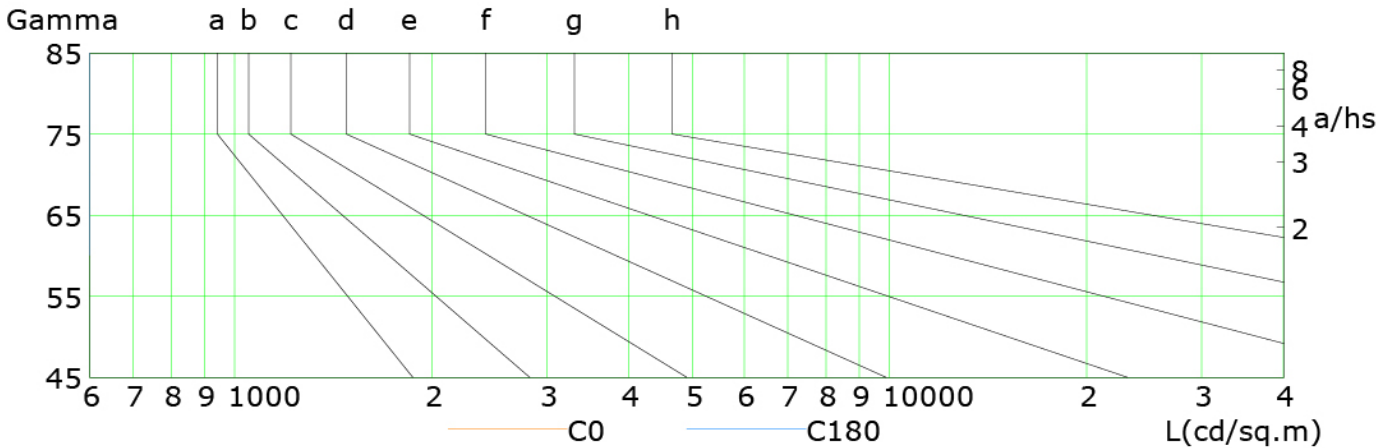
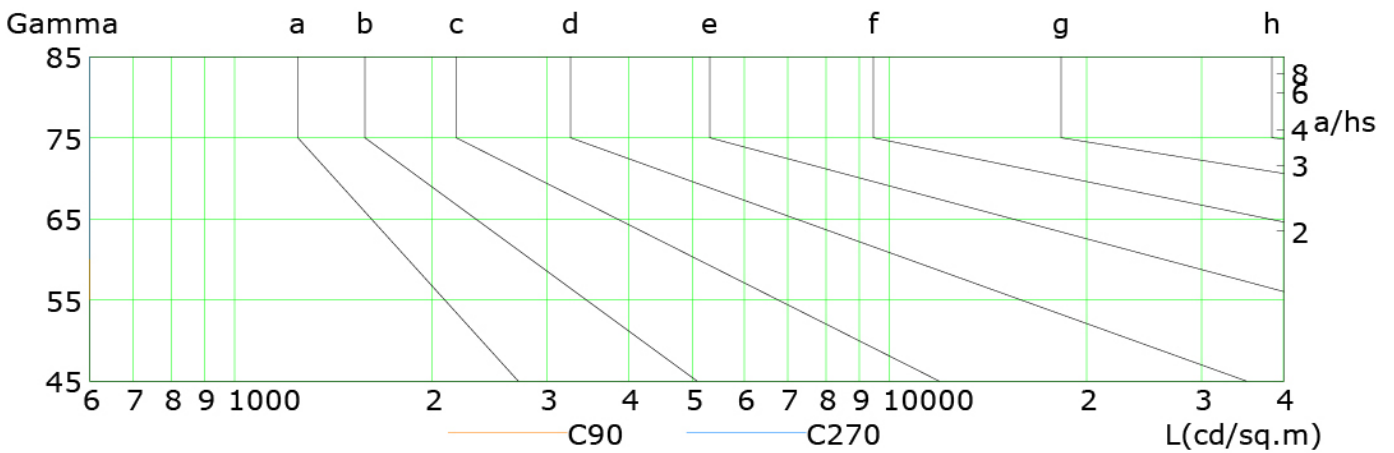
Mounting Height: 8.0m Max Lux(100%): 12.2 lx
 (4%): 0.5 lx (12%): 1.4 lx
 (19%): 2.3 lx (38%): 4.7 lx

S-72902-6W

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
		2000	1000	500	<=300				
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



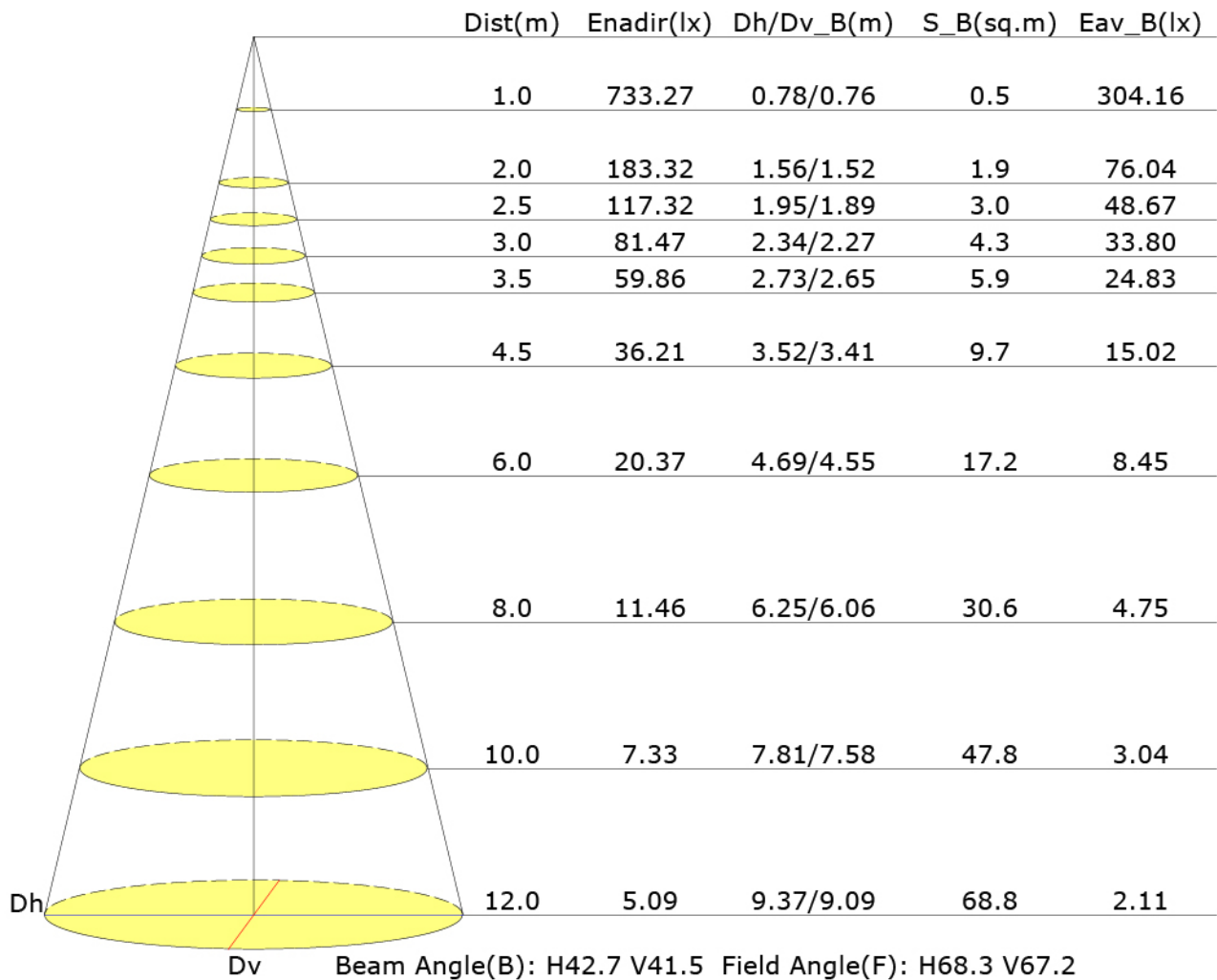
L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	5	2	1	0	0	0	0	0	0
C90	5	1	0	0	0	0	0	0	0
C180	6	3	1	0	0	0	0	0	0
C270	7	3	1	0	0	0	0	0	0

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Illuminance at a Distance

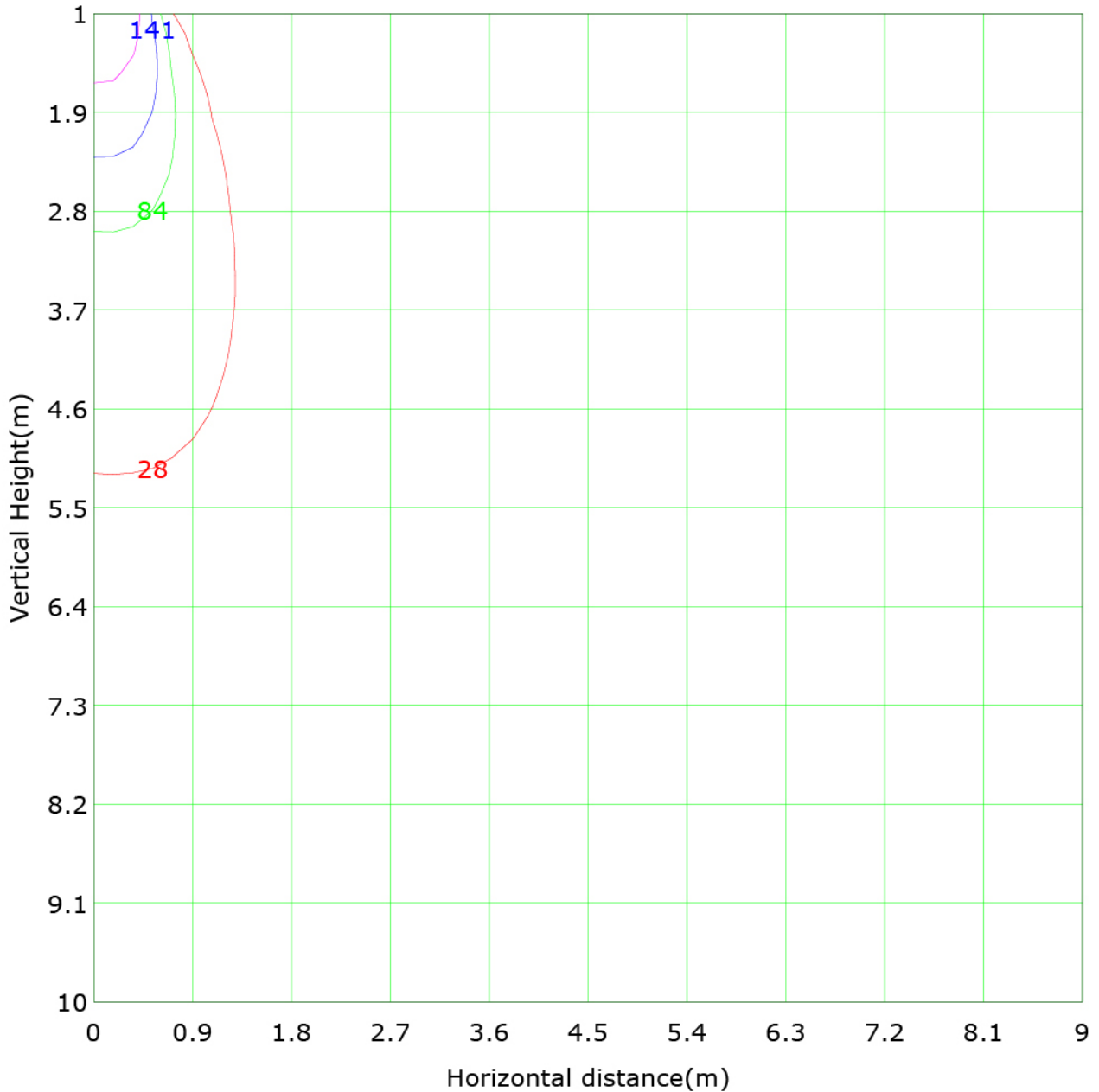


C Plane (°):0.0-360.0: 45.0
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 Test Type: TYPE C
 Temperature: 26
 Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
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Vertical IsoLux Plot



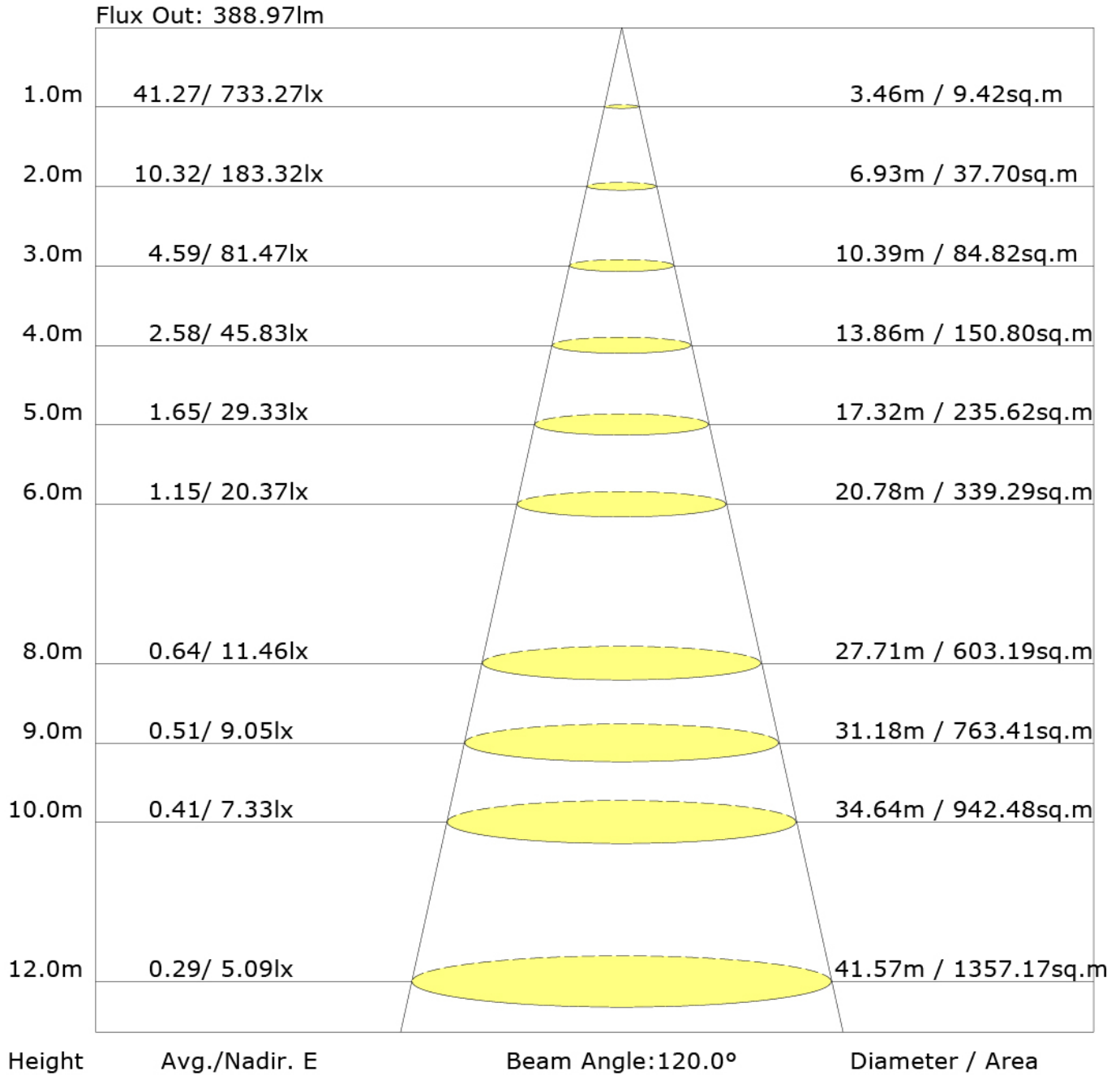
Lowest(m): 1.0m Highest(m): 10.0m Max Lux: 733.3 lx
 (4%): 28.2 lx (12%): 84.3 lx
 (19%): 140.8 lx (38%): 281.6 lx

C Plane (°):0.0-360.0: 45.0
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 Test Type: TYPE C
 Temperature: 26
 Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
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The Average Illuminance Effective Figure



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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 $392lm (8\log(F/F_0) = -3.3)$.

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 Distance: 8.508 m [K=0.8500]
 Humidity: 65
 Inspector:

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Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	733.4	0.7	0.7	0.18	0.18
1.0-2.0	733.4	2.1	2.8	0.54	0.72
2.0-3.0	732.9	3.5	6.3	0.89	1.61
3.0-4.0	732.3	4.9	11.2	1.25	2.86
4.0-5.0	730.9	6.3	17.5	1.60	4.46
5.0-6.0	728.4	7.7	25.2	1.95	6.41
6.0-7.0	724.4	9.0	34.2	2.29	8.70
7.0-8.0	718.4	10.3	44.4	2.62	11.33
8.0-9.0	709.8	11.5	55.9	2.93	14.26
9.0-10.0	698.9	12.6	68.6	3.22	17.48
10.0-11.0	685.1	13.7	82.3	3.49	20.97
11.0-12.0	668.1	14.6	96.9	3.72	24.69
12.0-13.0	647.9	15.4	112.3	3.92	28.61
13.0-14.0	624.2	16.0	128.2	4.07	32.69
14.0-15.0	597.4	16.4	144.6	4.18	36.87
15.0-16.0	568.5	16.7	161.3	4.25	41.11
16.0-17.0	537.6	16.7	178.1	4.27	45.38
17.0-18.0	504.6	16.6	194.7	4.24	49.62
18.0-19.0	470.2	16.4	211.1	4.17	53.79
19.0-20.0	435.6	15.9	227.0	4.06	57.86
20.0-21.0	400.7	15.4	242.4	3.92	61.78
21.0-22.0	365.9	14.7	257.1	3.75	65.53
22.0-23.0	332.2	13.9	271.0	3.55	69.08
23.0-24.0	299.7	13.1	284.1	3.34	72.42
24.0-25.0	268.7	12.2	296.4	3.11	75.53
25.0-26.0	239.4	11.3	307.7	2.88	78.41
26.0-27.0	212.1	10.4	318.0	2.65	81.06
27.0-28.0	186.8	9.5	327.5	2.41	83.47
28.0-29.0	163.5	8.6	336.1	2.18	85.65
29.0-30.0	142.7	7.7	343.8	1.96	87.62
30.0-31.0	124.4	6.9	350.7	1.76	89.38
31.0-32.0	108.5	6.2	356.9	1.58	90.96
32.0-33.0	94.4	5.6	362.5	1.42	92.38
33.0-34.0	81.2	4.9	367.4	1.25	93.64
34.0-35.0	68.2	4.2	371.6	1.08	94.72
35.0-36.0	55.6	3.5	375.2	0.90	95.62

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Zonal Lumen (Continue 1)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	44.0	2.9	378.0	0.73	96.35
37.0-38.0	33.8	2.3	380.3	0.58	96.93
38.0-39.0	25.4	1.7	382.0	0.44	97.37
39.0-40.0	18.9	1.3	383.3	0.34	97.70
40.0-41.0	14.2	1.0	384.4	0.26	97.96
41.0-42.0	11.0	0.8	385.2	0.20	98.17
42.0-43.0	8.8	0.7	385.8	0.17	98.33
43.0-44.0	7.3	0.5	386.4	0.14	98.47
44.0-45.0	6.2	0.5	386.8	0.12	98.59
45.0-46.0	5.4	0.4	387.3	0.11	98.70
46.0-47.0	4.6	0.4	387.6	0.09	98.79
47.0-48.0	3.9	0.3	387.9	0.08	98.87
48.0-49.0	3.2	0.3	388.2	0.07	98.94
49.0-50.0	2.5	0.2	388.4	0.05	98.99
50.0-51.0	1.9	0.2	388.6	0.04	99.03
51.0-52.0	1.4	0.1	388.7	0.03	99.07
52.0-53.0	1.1	0.1	388.8	0.02	99.09
53.0-54.0	0.8	0.1	388.9	0.02	99.11
54.0-55.0	0.6	0.1	388.9	0.01	99.12
55.0-56.0	0.4	0.0	388.9	0.01	99.13
56.0-57.0	0.2	0.0	389.0	0.00	99.14
57.0-58.0	0.0	0.0	389.0	0.00	99.14
58.0-59.0	0.0	0.0	389.0	0.00	99.14
59.0-60.0	0.0	0.0	389.0	0.00	99.14
60.0-61.0	0.0	0.0	389.0	0.00	99.14
61.0-62.0	0.0	0.0	389.0	0.00	99.14
62.0-63.0	0.0	0.0	389.0	0.00	99.14
63.0-64.0	0.0	0.0	389.0	0.00	99.14
64.0-65.0	0.0	0.0	389.0	0.00	99.14
65.0-66.0	0.0	0.0	389.0	0.00	99.14
66.0-67.0	0.0	0.0	389.0	0.00	99.14
67.0-68.0	0.0	0.0	389.0	0.00	99.14
68.0-69.0	0.0	0.0	389.0	0.00	99.14
69.0-70.0	0.0	0.0	389.0	0.00	99.14
70.0-71.0	0.0	0.0	389.0	0.00	99.14
71.0-72.0	0.0	0.0	389.0	0.00	99.14

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Zonal Lumen (Continue 2)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	0.0	0.0	389.0	0.00	99.14
73.0-74.0	0.0	0.0	389.0	0.00	99.14
74.0-75.0	0.0	0.0	389.0	0.00	99.14
75.0-76.0	0.0	0.0	389.0	0.00	99.14
76.0-77.0	0.0	0.0	389.0	0.00	99.14
77.0-78.0	0.0	0.0	389.0	0.00	99.14
78.0-79.0	0.0	0.0	389.0	0.00	99.14
79.0-80.0	0.0	0.0	389.0	0.00	99.14
80.0-81.0	0.0	0.0	389.0	0.00	99.14
81.0-82.0	0.0	0.0	389.0	0.00	99.14
82.0-83.0	0.0	0.0	389.0	0.00	99.14
83.0-84.0	0.0	0.0	389.0	0.00	99.14
84.0-85.0	0.0	0.0	389.0	0.00	99.14
85.0-86.0	0.0	0.0	389.0	0.00	99.14
86.0-87.0	0.0	0.0	389.0	0.00	99.14
87.0-88.0	0.0	0.0	389.0	0.00	99.14
88.0-89.0	0.0	0.0	389.0	0.00	99.14
89.0-90.0	0.0	0.0	389.0	0.00	99.14
90.0-91.0	0.0	0.0	389.0	0.00	99.14
91.0-92.0	0.0	0.0	389.0	0.00	99.14
92.0-93.0	0.0	0.0	389.0	0.00	99.14
93.0-94.0	0.0	0.0	389.0	0.00	99.14
94.0-95.0	0.0	0.0	389.0	0.00	99.14
95.0-96.0	0.0	0.0	389.0	0.00	99.14
96.0-97.0	0.0	0.0	389.0	0.00	99.14
97.0-98.0	0.0	0.0	389.0	0.00	99.14
98.0-99.0	0.0	0.0	389.0	0.00	99.14
99.0-100.0	0.0	0.0	389.0	0.00	99.14
100.0-101.0	0.0	0.0	389.0	0.00	99.14
101.0-102.0	0.0	0.0	389.0	0.00	99.14
102.0-103.0	0.0	0.0	389.0	0.00	99.14
103.0-104.0	0.0	0.0	389.0	0.00	99.14
104.0-105.0	0.0	0.0	389.0	0.00	99.14
105.0-106.0	0.0	0.0	389.0	0.00	99.14
106.0-107.0	0.0	0.0	389.0	0.00	99.14
107.0-108.0	0.0	0.0	389.0	0.00	99.14

C Plane (°):0.0-360.0: 45.0
 Test Lab: Inventfine instrument
 Test Type: TYPE C
 Temperature: 26
 Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.508 m [K=0.8500]
 Humidity: 65
 Inspector:

S-72902-6W

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	0.0	0.0	389.0	0.00	99.14
109.0-110.0	0.0	0.0	389.0	0.00	99.14
110.0-111.0	0.0	0.0	389.0	0.00	99.14
111.0-112.0	0.0	0.0	389.0	0.00	99.14
112.0-113.0	0.0	0.0	389.0	0.00	99.14
113.0-114.0	0.0	0.0	389.0	0.00	99.14
114.0-115.0	0.0	0.0	389.0	0.00	99.14
115.0-116.0	0.0	0.0	389.0	0.00	99.14
116.0-117.0	0.0	0.0	389.0	0.00	99.14
117.0-118.0	0.0	0.0	389.0	0.00	99.14
118.0-119.0	0.0	0.0	389.0	0.00	99.14
119.0-120.0	0.0	0.0	389.0	0.00	99.14
120.0-121.0	0.0	0.0	389.0	0.00	99.14
121.0-122.0	0.0	0.0	389.0	0.00	99.14
122.0-123.0	0.0	0.0	389.0	0.00	99.14
123.0-124.0	0.0	0.0	389.0	0.00	99.14
124.0-125.0	0.0	0.0	389.0	0.00	99.14
125.0-126.0	0.0	0.0	389.0	0.00	99.14
126.0-127.0	0.0	0.0	389.0	0.00	99.14
127.0-128.0	0.0	0.0	389.0	0.00	99.14
128.0-129.0	0.0	0.0	389.0	0.00	99.14
129.0-130.0	0.0	0.0	389.0	0.00	99.14
130.0-131.0	0.1	0.0	389.0	0.00	99.14
131.0-132.0	0.3	0.0	389.0	0.01	99.15
132.0-133.0	0.5	0.0	389.0	0.01	99.16
133.0-134.0	0.6	0.0	389.1	0.01	99.17
134.0-135.0	0.7	0.1	389.1	0.01	99.18
135.0-136.0	0.8	0.1	389.2	0.01	99.20
136.0-137.0	0.8	0.1	389.3	0.02	99.21
137.0-138.0	0.9	0.1	389.3	0.02	99.23
138.0-139.0	1.0	0.1	389.4	0.02	99.25
139.0-140.0	1.1	0.1	389.5	0.02	99.27
140.0-141.0	1.2	0.1	389.6	0.02	99.29
141.0-142.0	1.2	0.1	389.7	0.02	99.31
142.0-143.0	1.3	0.1	389.7	0.02	99.33
143.0-144.0	1.4	0.1	389.8	0.02	99.36

C Plane (°):0.0-360.0: 45.0
 Test Lab: Inventfine instrument
 Test Type: TYPE C
 Temperature: 26
 Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.508 m [K=0.8500]
 Humidity: 65
 Inspector:

S-72902-6W

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	1.5	0.1	389.9	0.02	99.38
145.0-146.0	1.6	0.1	390.0	0.02	99.41
146.0-147.0	1.6	0.1	390.1	0.03	99.43
147.0-148.0	1.7	0.1	390.2	0.03	99.46
148.0-149.0	1.8	0.1	390.3	0.03	99.48
149.0-150.0	1.9	0.1	390.4	0.03	99.51
150.0-151.0	1.9	0.1	390.5	0.03	99.53
151.0-152.0	2.0	0.1	390.6	0.03	99.56
152.0-153.0	2.0	0.1	390.7	0.03	99.59
153.0-154.0	2.1	0.1	390.8	0.03	99.61
154.0-155.0	2.1	0.1	390.9	0.03	99.64
155.0-156.0	2.2	0.1	391.0	0.03	99.66
156.0-157.0	2.3	0.1	391.1	0.03	99.69
157.0-158.0	2.3	0.1	391.2	0.02	99.71
158.0-159.0	2.3	0.1	391.3	0.02	99.74
159.0-160.0	2.4	0.1	391.4	0.02	99.76
160.0-161.0	2.4	0.1	391.5	0.02	99.78
161.0-162.0	2.4	0.1	391.6	0.02	99.80
162.0-163.0	2.4	0.1	391.7	0.02	99.83
163.0-164.0	2.5	0.1	391.7	0.02	99.84
164.0-165.0	2.5	0.1	391.8	0.02	99.86
165.0-166.0	2.5	0.1	391.9	0.02	99.88
166.0-167.0	2.5	0.1	391.9	0.02	99.90
167.0-168.0	2.5	0.1	392.0	0.02	99.91
168.0-169.0	2.5	0.1	392.1	0.01	99.93
169.0-170.0	2.5	0.0	392.1	0.01	99.94
170.0-171.0	2.5	0.0	392.2	0.01	99.95
171.0-172.0	2.5	0.0	392.2	0.01	99.96
172.0-173.0	2.5	0.0	392.2	0.01	99.97
173.0-174.0	2.5	0.0	392.3	0.01	99.98
174.0-175.0	2.5	0.0	392.3	0.01	99.98
175.0-176.0	2.5	0.0	392.3	0.01	99.99
176.0-177.0	2.5	0.0	392.3	0.00	99.99
177.0-178.0	2.5	0.0	392.3	0.00	100.00
178.0-179.0	2.6	0.0	392.4	0.00	100.00
179.0-180.0	2.6	0.0	392.4	0.00	100.00

C Plane (°):0.0-360.0: 45.0
 Test Lab: Inventfine instrument
 Test Type: TYPE C
 Temperature: 26
 Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.508 m [K=0.8500]
 Humidity: 65
 Inspector:

S-72902-6W

Zonal Lumen (Continue 5)

cone flux(90°): 386.83 lm

%lum = 98.6%

%lamp = 98.6%

cone flux(120°): 388.97 lm

%lum = 99.1%

%lamp = 99.1%

S-72902-6W

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	733.3	733.3	733.3	733.3	733.3	733.3	733.3	733.3	733.3	
G1.0	736.1	742.6	744.1	739.5	730.3	724.2	723.6	728.2	736.1	
G2.0	737.2	751.5	755.4	744.9	726.6	713.6	712.7	723.1	737.2	
G3.0	737.4	759.1	766.3	750.3	723.2	705.2	703.5	717.1	737.4	
G4.0	736.9	765.0	775.6	755.3	719.1	696.0	695.0	711.4	736.9	
G5.0	734.1	768.6	784.5	759.0	714.4	685.9	687.5	706.1	734.1	
G6.0	729.5	769.3	790.6	760.0	708.3	677.6	679.9	699.5	729.5	
G7.0	722.2	766.8	793.0	757.5	701.5	669.0	673.6	692.7	722.2	
G8.0	711.4	760.3	790.8	751.2	692.9	659.7	666.3	684.8	711.4	
G9.0	698.4	749.3	784.0	740.6	681.4	650.9	660.0	675.6	698.4	
G10.0	683.5	734.6	771.5	725.5	668.7	640.0	651.9	666.0	683.5	
G11.0	664.1	716.7	753.7	708.5	653.8	628.6	640.5	653.3	664.1	
G12.0	643.5	692.2	731.4	687.3	637.0	615.2	627.2	637.2	643.5	
G13.0	620.1	665.5	703.4	659.9	616.3	599.9	610.7	619.9	620.1	
G14.0	591.7	635.6	667.1	631.6	595.3	580.1	590.5	599.8	591.7	
G15.0	562.6	599.6	630.4	600.7	570.6	559.3	568.9	574.9	562.6	
G16.0	532.6	564.3	591.6	567.1	545.9	534.9	543.1	549.5	532.6	
G17.0	500.9	527.1	550.6	528.0	519.4	510.5	517.2	519.6	500.9	
G18.0	465.0	488.5	504.4	491.9	488.7	481.6	489.4	490.6	465.0	
G19.0	431.8	446.1	461.8	455.0	459.2	453.0	456.8	459.8	431.8	
G20.0	398.3	408.3	420.4	414.7	429.2	423.7	426.7	425.1	398.3	
G21.0	362.3	371.1	376.6	378.6	395.2	393.6	395.0	392.8	362.3	
G22.0	330.1	331.8	338.2	340.4	363.9	360.6	363.1	360.5	330.1	
G23.0	299.2	297.9	301.9	307.0	333.0	331.2	329.6	326.2	299.2	
G24.0	266.3	265.2	264.1	274.6	300.3	302.4	300.3	296.1	266.3	
G25.0	237.4	231.7	232.0	241.1	271.6	275.1	272.6	267.6	237.4	
G26.0	210.2	203.1	202.2	212.3	244.3	246.1	243.3	239.9	210.2	
G27.0	184.8	177.1	175.8	185.7	217.7	220.6	217.5	213.7	184.8	
G28.0	161.5	153.6	152.3	161.5	190.7	196.7	193.2	186.9	161.5	
G29.0	141.4	133.7	130.5	140.9	168.2	172.1	168.2	164.8	141.4	
G30.0	122.5	115.4	114.0	121.4	147.6	151.5	147.8	142.8	122.5	
G31.0	106.4	101.6	98.8	106.5	127.2	132.3	129.3	125.1	106.4	
G32.0	93.0	88.0	87.3	92.3	111.4	114.4	113.5	109.6	93.0	
G33.0	79.7	75.4	76.0	80.6	97.1	100.1	98.4	94.5	79.7	
G34.0	66.4	62.2	61.5	68.9	84.5	87.5	86.0	81.1	66.4	
G35.0	52.3	49.0	49.4	55.1	71.4	74.4	73.5	67.4	52.3	
G36.0	40.8	38.3	39.6	43.8	59.2	61.6	59.5	54.1	40.8	

C Plane (°):0.0-360.0: 45.0
 Test Lab: Inventfine instrument
 Test Type: TYPE C
 Temperature: 26
 Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.508 m [K=0.8500]
 Humidity: 65
 Inspector:

S-72902-6W

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	31.0	28.9	28.6	34.4	47.4	49.3	46.5	41.5	31.0
G38.0	22.5	21.2	22.1	25.6	36.6	37.3	36.7	31.7	22.5
G39.0	16.9	15.7	16.6	18.7	26.9	28.6	25.9	23.7	16.9
G40.0	12.8	12.0	11.9	14.1	20.0	21.4	20.2	17.3	12.8
G41.0	10.1	9.2	9.6	10.7	14.5	15.7	15.1	13.1	10.1
G42.0	8.3	7.6	7.7	8.6	11.4	12.0	11.2	10.4	8.3
G43.0	6.9	6.5	6.7	7.0	8.9	9.4	9.2	8.5	6.9
G44.0	6.0	5.7	5.7	6.1	7.2	7.8	7.6	7.2	6.0
G45.0	5.3	4.9	5.0	5.2	6.1	6.6	6.6	6.2	5.3
G46.0	4.5	4.2	4.3	4.5	5.3	5.7	5.8	5.4	4.5
G47.0	3.8	3.5	3.4	3.9	4.6	5.0	5.1	4.7	3.8
G48.0	3.1	2.7	2.7	3.2	3.9	4.3	4.3	4.1	3.1
G49.0	2.5	2.0	1.9	2.4	3.3	3.6	3.5	3.3	2.5
G50.0	1.9	1.4	1.3	1.8	2.7	2.9	2.8	2.7	1.9
G51.0	1.4	1.0	0.9	1.3	2.1	2.3	2.1	2.0	1.4
G52.0	1.1	0.8	0.7	1.0	1.6	1.7	1.5	1.5	1.1
G53.0	0.9	0.6	0.6	0.8	1.1	1.2	1.1	1.1	0.9
G54.0	0.8	0.5	0.0	0.6	0.9	0.9	0.9	0.9	0.8
G55.0	0.6	0.0	0.0	0.5	0.8	0.7	0.7	0.7	0.6
G56.0	0.5	0.0	0.0	0.0	0.6	0.6	0.5	0.6	0.5
G57.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0
G58.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G59.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G61.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G62.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G63.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G64.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G65.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G66.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G67.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G68.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G69.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G71.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G72.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G73.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

C Plane (°):0.0-360.0: 45.0
 Test Lab: Inventfine instrument
 Test Type: TYPE C
 Temperature: 26
 Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.508 m [K=0.8500]
 Humidity: 65
 Inspector:

S-72902-6W

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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G76.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G77.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G78.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G79.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G81.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G82.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G83.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G84.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G85.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G86.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G87.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G88.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G89.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G91.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G92.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G93.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G94.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G95.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G96.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G97.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G98.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G99.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G101.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G102.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G103.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G104.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G105.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G106.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G107.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G108.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G109.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G110.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

C Plane (°):0.0-360.0: 45.0
 Test Lab: Inventfine instrument
 Test Type: TYPE C
 Temperature: 26
 Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.508 m [K=0.8500]
 Humidity: 65
 Inspector:

S-72902-6W

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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G112.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G113.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G114.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G115.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G116.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G117.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G118.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G119.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G120.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G121.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G122.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G123.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G124.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G125.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G126.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G127.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G128.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G129.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G130.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G131.0	0.5	0.5	0.0	0.5	0.0	0.0	0.0	0.5	0.5
G132.0	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.5	0.5
G133.0	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.6	0.6
G134.0	0.7	0.7	0.6	0.7	0.6	0.6	0.6	0.6	0.7
G135.0	0.8	0.8	0.7	0.8	0.7	0.6	0.7	0.7	0.8
G136.0	0.9	0.9	0.8	0.9	0.8	0.7	0.7	0.8	0.9
G137.0	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.9	0.9
G138.0	1.0	1.0	1.0	1.1	0.9	0.9	0.9	1.0	1.0
G139.0	1.1	1.1	1.1	1.1	1.0	0.9	0.9	1.0	1.1
G140.0	1.2	1.1	1.2	1.2	1.0	1.0	1.0	1.1	1.2
G141.0	1.3	1.3	1.3	1.3	1.1	1.1	1.1	1.2	1.3
G142.0	1.4	1.3	1.3	1.4	1.2	1.2	1.1	1.2	1.4
G143.0	1.5	1.4	1.4	1.5	1.2	1.2	1.2	1.3	1.5
G144.0	1.6	1.5	1.5	1.6	1.3	1.3	1.3	1.4	1.6
G145.0	1.7	1.6	1.6	1.7	1.4	1.4	1.3	1.5	1.7
G146.0	1.8	1.7	1.7	1.7	1.5	1.4	1.4	1.5	1.8
G147.0	1.9	1.7	1.8	1.8	1.6	1.5	1.5	1.6	1.9

C Plane (°):0.0-360.0: 45.0
 Test Lab: Inventfine instrument
 Test Type: TYPE C
 Temperature: 26
 Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.508 m [K=0.8500]
 Humidity: 65
 Inspector:

S-72902-6W

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	1.9	1.9	1.8	1.9	1.6	1.6	1.5	1.7	1.9	
G149.0	2.0	2.0	1.9	2.0	1.7	1.6	1.6	1.8	2.0	
G150.0	2.1	2.0	2.0	2.1	1.7	1.7	1.7	1.8	2.1	
G151.0	2.2	2.1	2.1	2.1	1.8	1.7	1.7	1.8	2.2	
G152.0	2.2	2.2	2.2	2.2	1.8	1.8	1.8	1.9	2.2	
G153.0	2.3	2.3	2.2	2.2	1.9	1.8	1.8	2.0	2.3	
G154.0	2.3	2.3	2.3	2.3	1.9	1.9	1.9	2.0	2.3	
G155.0	2.4	2.4	2.3	2.4	2.0	2.0	1.9	2.0	2.4	
G156.0	2.5	2.5	2.4	2.4	2.0	2.0	2.0	2.1	2.5	
G157.0	2.5	2.5	2.5	2.5	2.1	2.0	2.0	2.1	2.5	
G158.0	2.5	2.5	2.5	2.5	2.1	2.1	2.1	2.1	2.5	
G159.0	2.6	2.6	2.6	2.5	2.1	2.1	2.1	2.2	2.6	
G160.0	2.6	2.6	2.6	2.6	2.1	2.1	2.1	2.2	2.6	
G161.0	2.6	2.6	2.7	2.7	2.2	2.2	2.1	2.2	2.6	
G162.0	2.6	2.7	2.7	2.7	2.2	2.2	2.1	2.2	2.6	
G163.0	2.6	2.7	2.8	2.7	2.2	2.2	2.1	2.2	2.6	
G164.0	2.6	2.7	2.8	2.7	2.3	2.2	2.2	2.2	2.6	
G165.0	2.7	2.7	2.8	2.7	2.3	2.2	2.2	2.2	2.7	
G166.0	2.7	2.7	2.8	2.7	2.3	2.3	2.2	2.3	2.7	
G167.0	2.7	2.8	2.8	2.8	2.3	2.2	2.2	2.3	2.7	
G168.0	2.7	2.8	2.8	2.8	2.3	2.3	2.2	2.2	2.7	
G169.0	2.7	2.7	2.8	2.7	2.4	2.3	2.2	2.3	2.7	
G170.0	2.6	2.7	2.8	2.7	2.4	2.3	2.2	2.3	2.6	
G171.0	2.6	2.7	2.8	2.7	2.4	2.3	2.2	2.3	2.6	
G172.0	2.7	2.7	2.8	2.7	2.4	2.3	2.2	2.3	2.7	
G173.0	2.6	2.7	2.7	2.7	2.4	2.4	2.3	2.4	2.6	
G174.0	2.6	2.7	2.7	2.7	2.5	2.4	2.3	2.4	2.6	
G175.0	2.6	2.7	2.7	2.7	2.5	2.4	2.3	2.4	2.6	
G176.0	2.6	2.6	2.7	2.7	2.5	2.5	2.4	2.4	2.6	
G177.0	2.6	2.6	2.7	2.6	2.5	2.5	2.5	2.5	2.6	
G178.0	2.5	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.5	
G179.0	2.5	2.6	2.6	2.6	2.6	2.5	2.5	2.6	2.5	
G180.0	2.5	2.5	2.6	2.6	2.6	2.6	2.5	2.7	2.5	

C Plane (°):0.0-360.0: 45.0
 Test Lab: Inventfine instrument
 Test Type: TYPE C
 Temperature: 26
 Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.508 m [K=0.8500]
 Humidity: 65
 Inspector:

S-72902-6W

LED Average Luminance Report

Avg.L	cd/m ²
L 0-180(65) av	-1.#J
L 0-180(75) av	-1.#J
L 0-180(85) av	-1.#J
L 90-270(65) av	-1.#J
L 90-270(75) av	-1.#J
L 90-270(85) av	-1.#J
L 45(65) av	-1.#J
L 45(75) av	-1.#J
L 45(85) av	-1.#J

Standard: GB/T 29293-2012

C Plane (°):0.0-360.0: 45.0
 Test Lab: Inventfine instrument
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Gamma Plane (°):0.0-180.0:1.0
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