

## S-72901-6W

### Luminaire Property

Luminaire Manufacturer:	Luminaire Description: UT25-FLR6
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: 6.48 W
Current: 0.135 A	
Power Factor: 1.000	

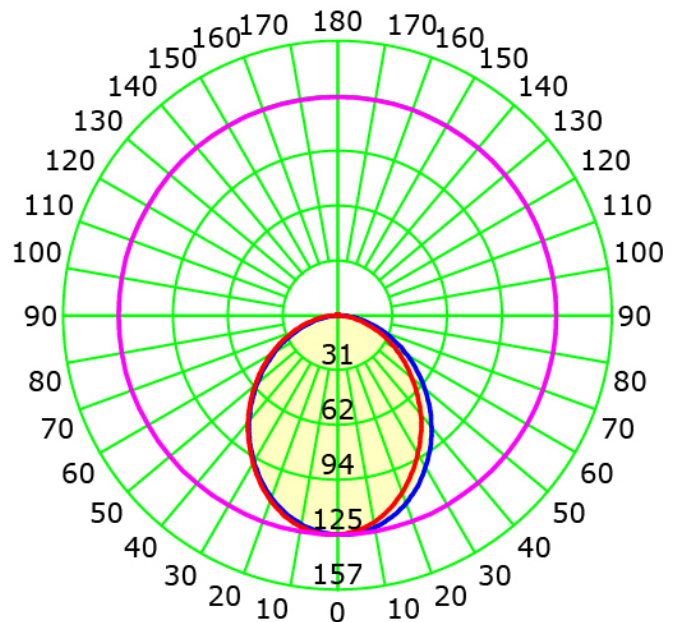
### Photometric Results

CIE Class: Direct	Total Rated Lamp Lumens: 309.1 lm
Measurement Flux: 309.1 lm	Efficiency: 100%
Downward Ratio: 99%	Upward Ratio: 1%
Horizontal Diffuse Angle(50%): H99.8	
Vertical Diffuse Angle(50%): V95.5	
Luminaire Efficacy Rating (LER): 47.75	C0r0 Intensity: 125.58 cd
Max. Intensity: 125.69 cd	Pos of Max. Intensity: H225 V2
S/MH(C0/C180): 1.17	S/MH(C90/C270): 1.13

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 97.7°

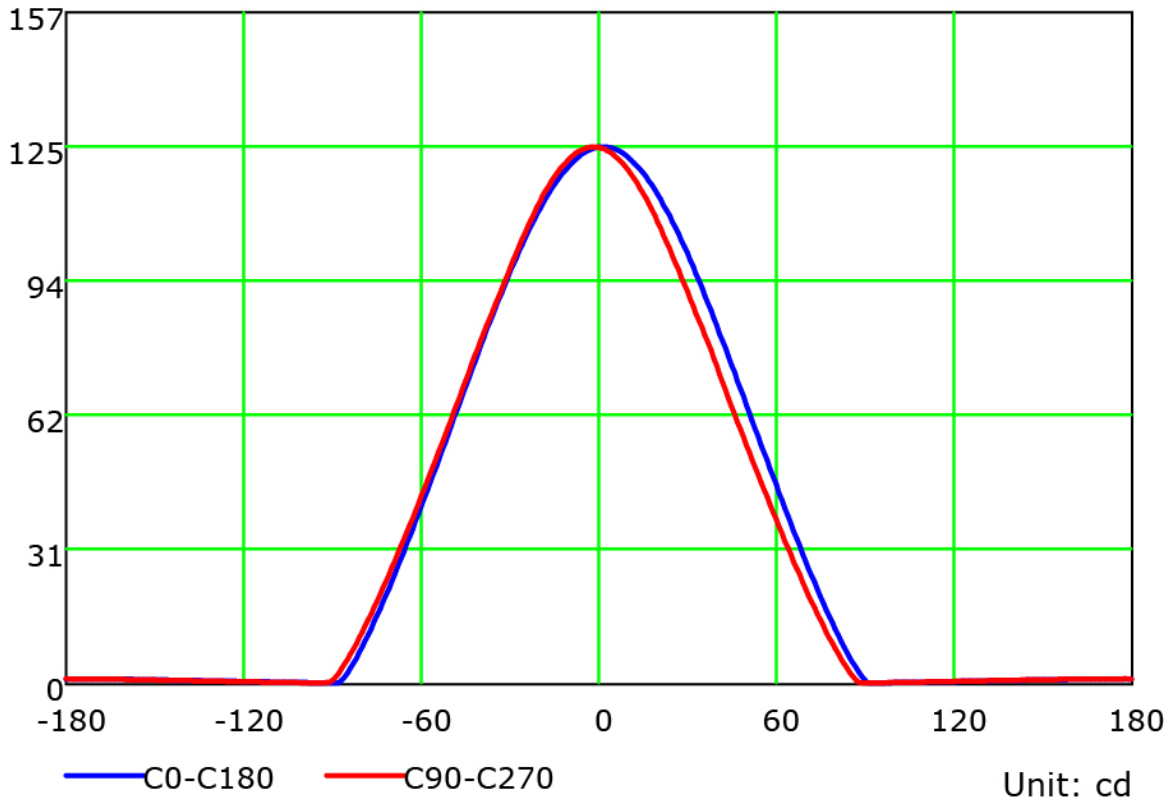
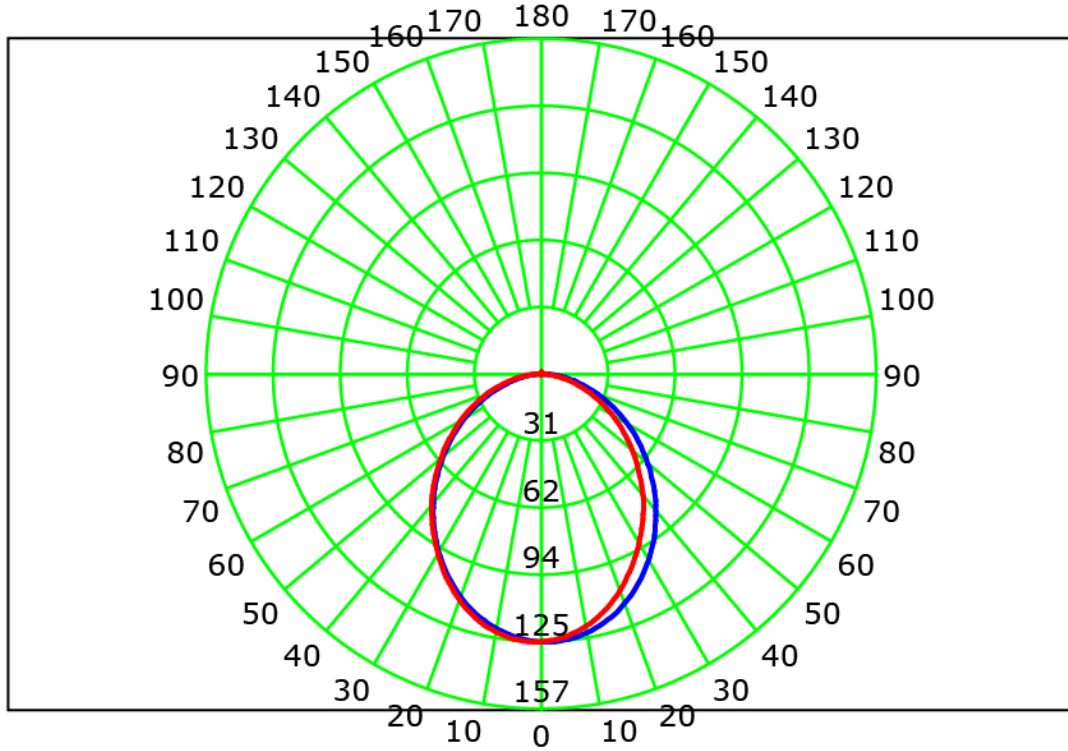
— C0-C180 — C90-C270 — G2

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=1.0000]  
 Humidity: 65  
 Inspector:

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**Luminous Intensity Distribution Curve**



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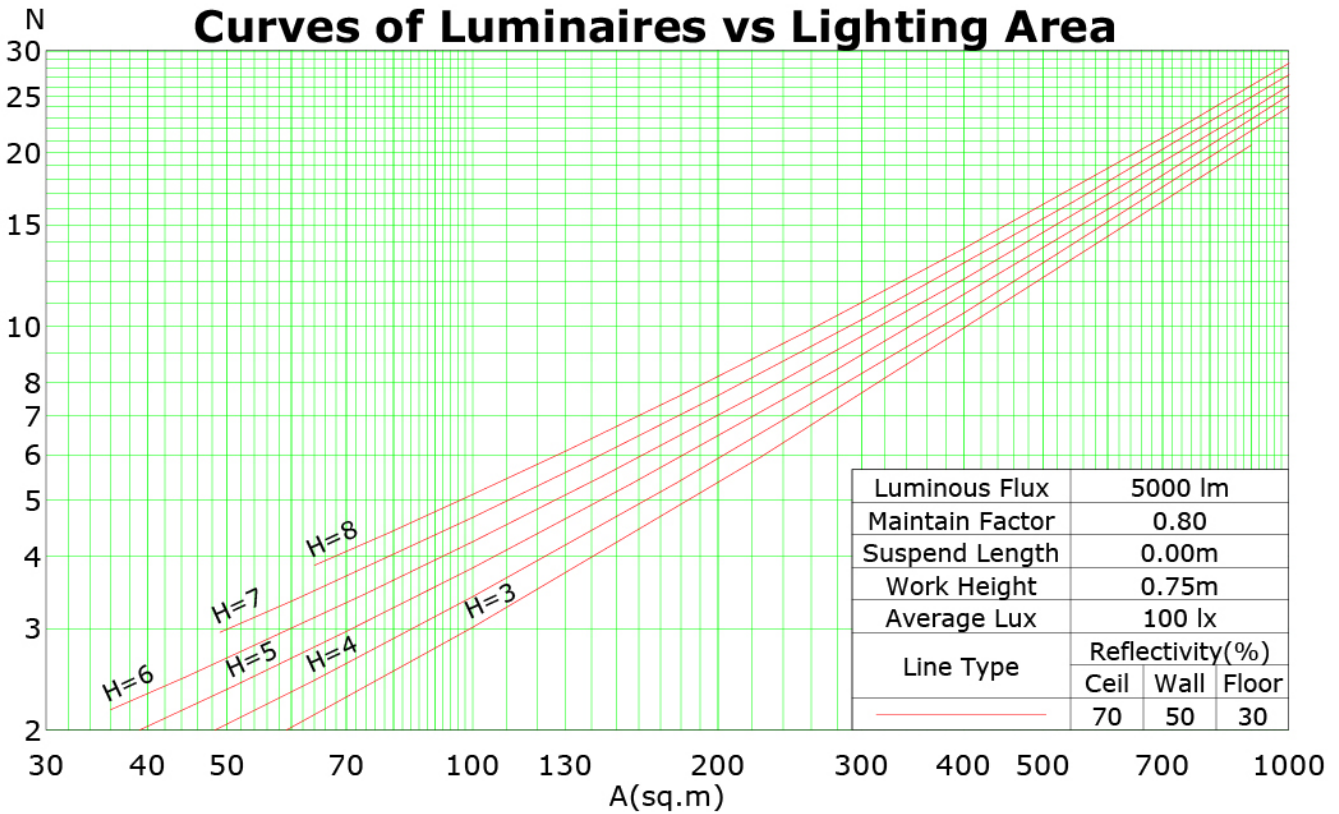
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**Coefficients Of Utilization - Zonal Cavity Method**

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	1.191	1.191	1.191	1.191	1.161	1.161	1.161	1.161	1.111	1.111	1.111	1.061	1.061	1.061	1.011	1.011	1.011	0.99
1	1.091	1.041	1.000	0.971	1.061	1.020	0.980	0.950	0.980	0.950	0.920	0.940	0.910	0.890	0.900	0.880	0.860	0.84
2	0.990	0.910	0.850	0.790	0.970	0.900	0.830	0.780	0.860	0.810	0.760	0.820	0.780	0.740	0.790	0.760	0.730	0.71
3	0.910	0.810	0.730	0.670	0.880	0.790	0.720	0.660	0.760	0.700	0.650	0.730	0.680	0.630	0.700	0.660	0.620	0.60
4	0.830	0.720	0.630	0.570	0.810	0.700	0.620	0.560	0.680	0.610	0.550	0.650	0.590	0.550	0.630	0.580	0.540	0.52
5	0.770	0.640	0.560	0.490	0.750	0.630	0.550	0.490	0.610	0.540	0.480	0.590	0.530	0.480	0.570	0.520	0.470	0.45
6	0.710	0.580	0.490	0.430	0.690	0.570	0.490	0.430	0.550	0.480	0.430	0.540	0.470	0.420	0.520	0.460	0.420	0.40
7	0.660	0.530	0.440	0.380	0.640	0.520	0.440	0.380	0.500	0.430	0.380	0.490	0.420	0.370	0.480	0.420	0.370	0.35
8	0.620	0.480	0.400	0.340	0.600	0.480	0.400	0.340	0.460	0.390	0.340	0.450	0.380	0.340	0.440	0.380	0.330	0.32
9	0.580	0.450	0.360	0.310	0.560	0.440	0.360	0.310	0.430	0.360	0.310	0.420	0.350	0.310	0.410	0.350	0.300	0.29
10	0.540	0.410	0.330	0.280	0.530	0.410	0.330	0.280	0.400	0.330	0.280	0.390	0.320	0.280	0.380	0.320	0.280	0.26

Spacing Criteria (0-180): 1.17  
 Spacing Criteria (90-270): 1.13  
 Spacing Criteria (Diagonal): 1.27

**Curves of Luminaires vs Lighting Area**

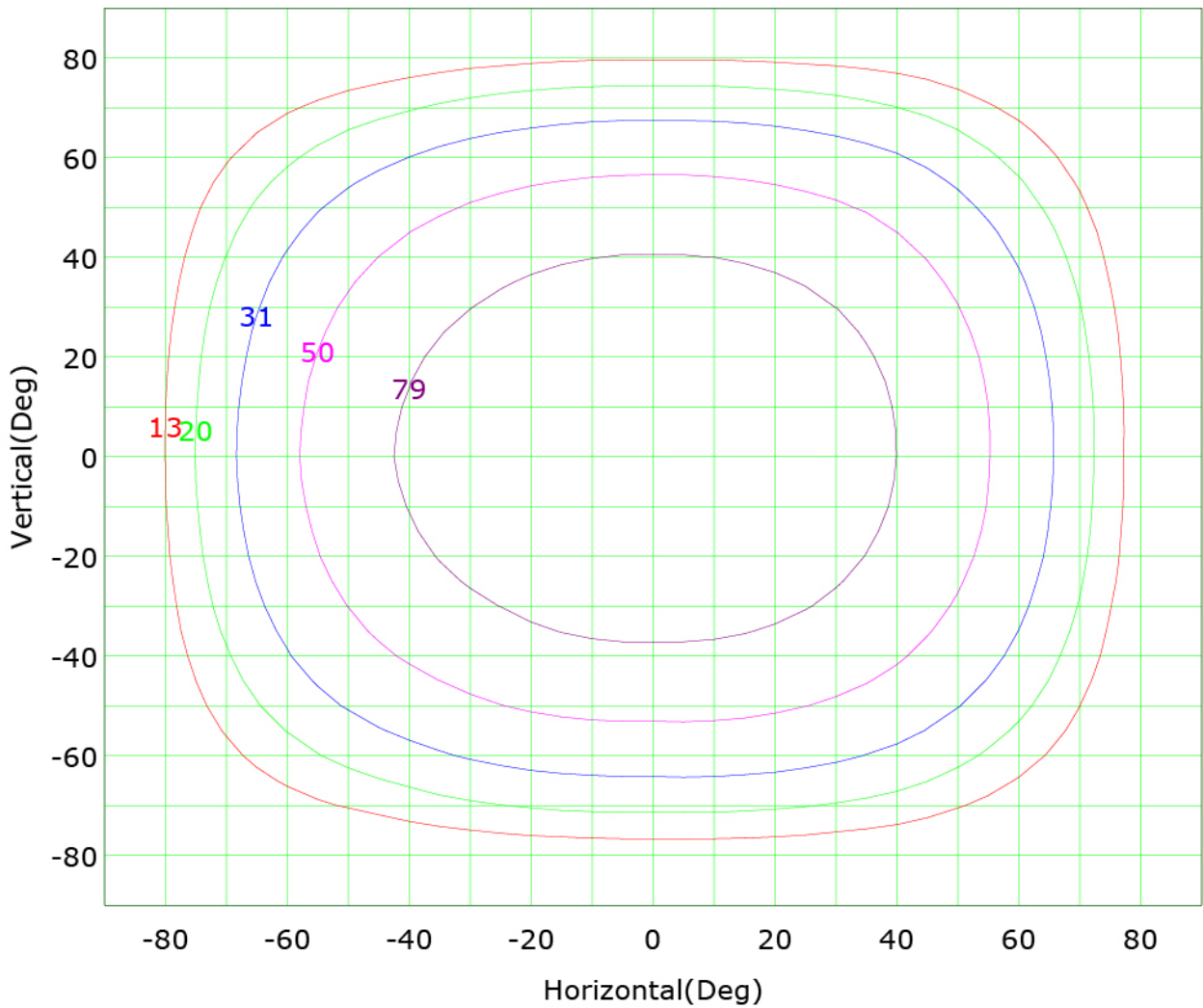


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### Isocandela (rectangle)



Imax (100%): 126 cd

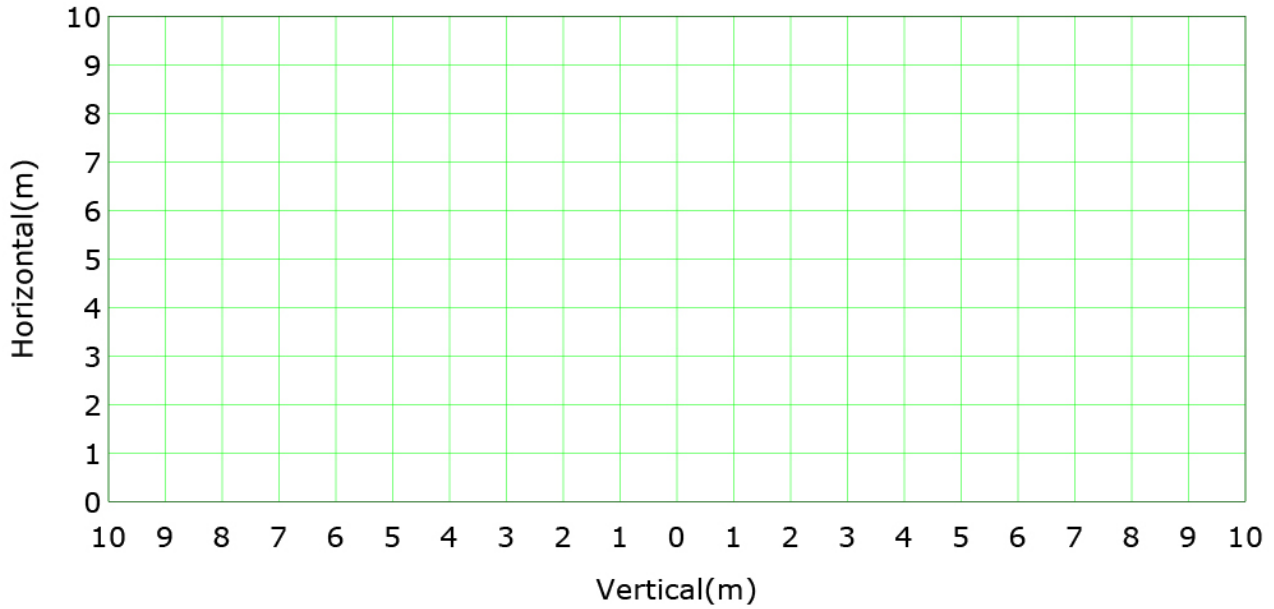
— ( 10%):	13 cd	— ( 16%):	20 cd
— ( 25%):	31 cd	— ( 40%):	50 cd
— ( 63%):	79 cd	— (100%):	126 cd

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### IsoLux Plot



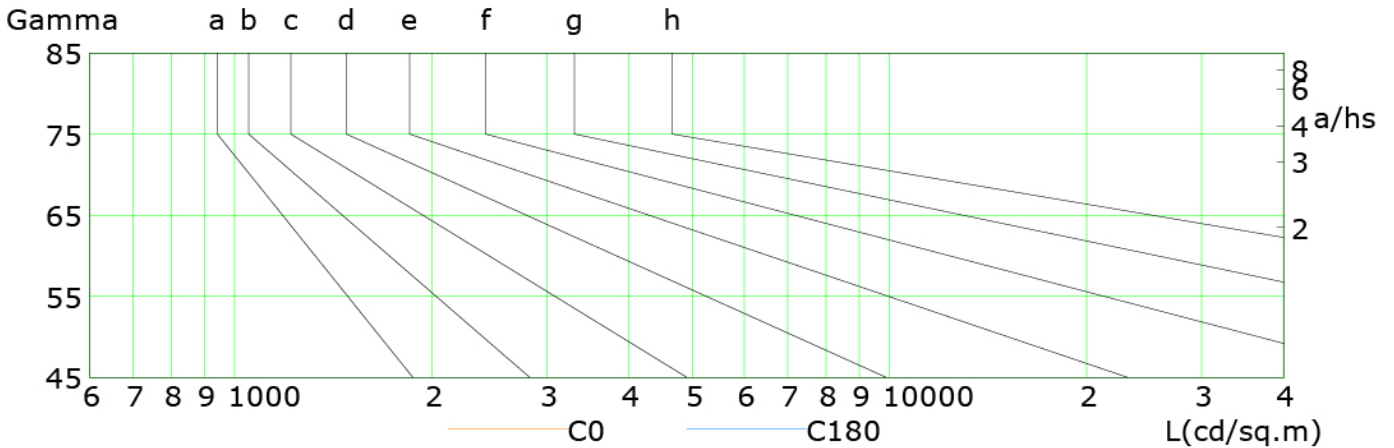
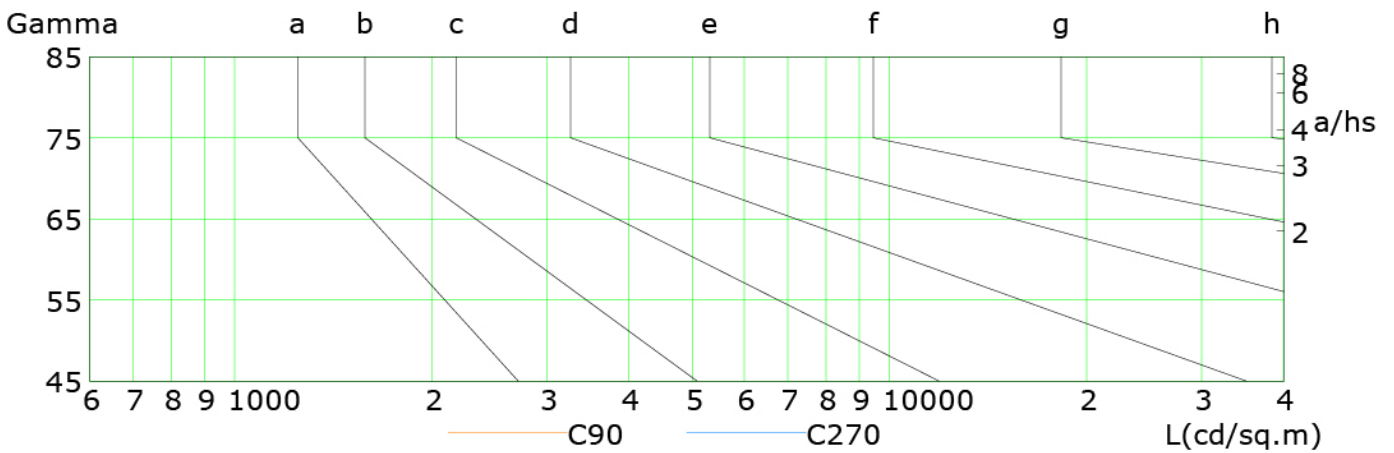
Mounting Height: 8.0m    Max Lux(100%): 2.0 lx  
 ( 0%): 0.0 lx                      ( 1%): 0.0 lx  
 ( 1%): 0.0 lx                      ( 2%): 0.0 lx

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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



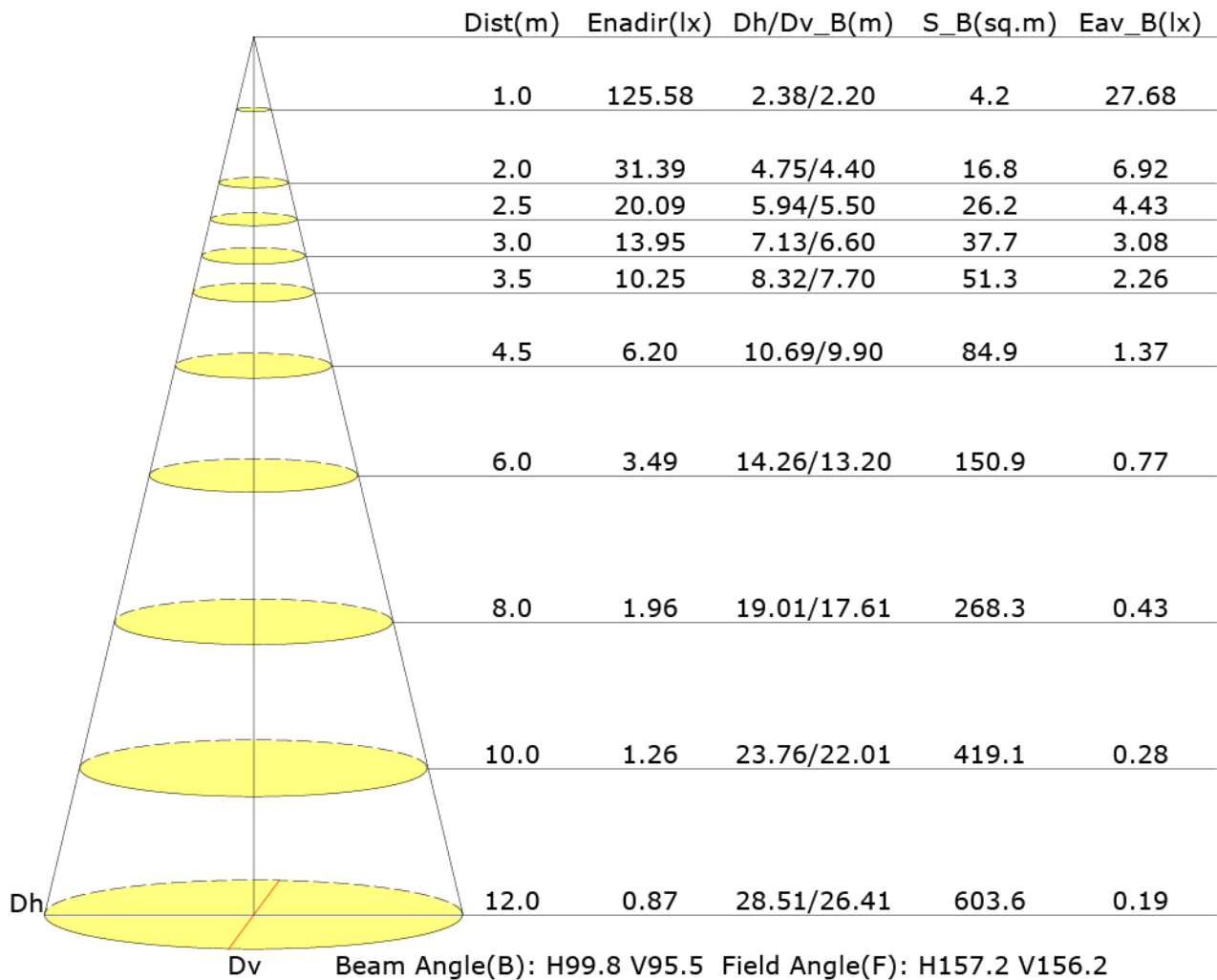
L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	75	65	56	47	37	29	20	13	6
C90	65	56	47	38	30	22	15	8	3
C180	70	60	51	41	33	24	16	9	3
C270	71	62	53	44	35	27	19	12	6

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### Illuminance at a Distance

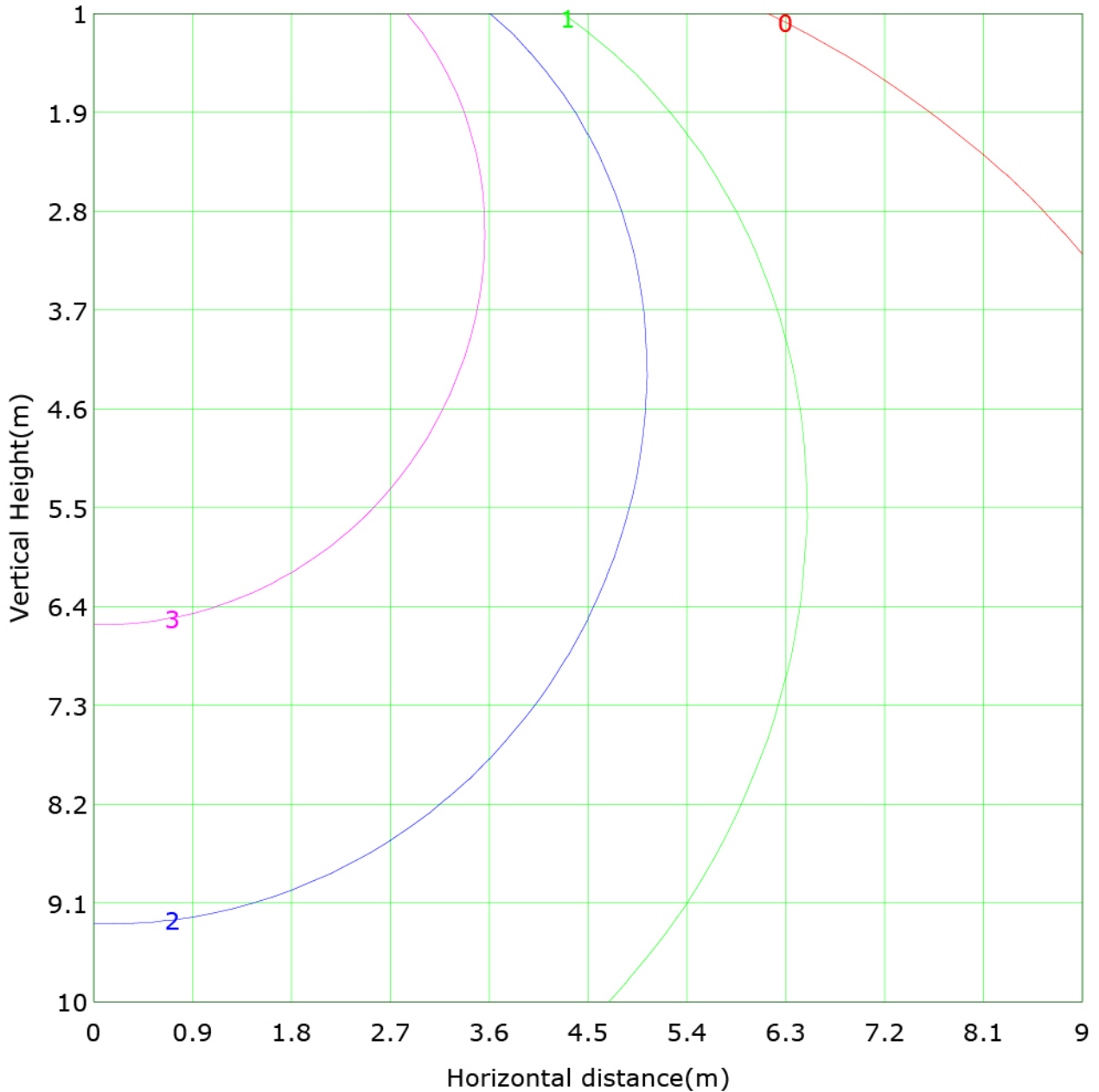


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 Test Type: TYPE C  
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### Vertical IsoLux Plot



Lowest(m): 1.0m    Highest(m): 10.0m    Max Lux: 125.6 lx  
 — ( 0%): 0.3 lx                      — ( 1%): 0.9 lx  
 — ( 1%): 1.5 lx                        — ( 2%): 3.0 lx

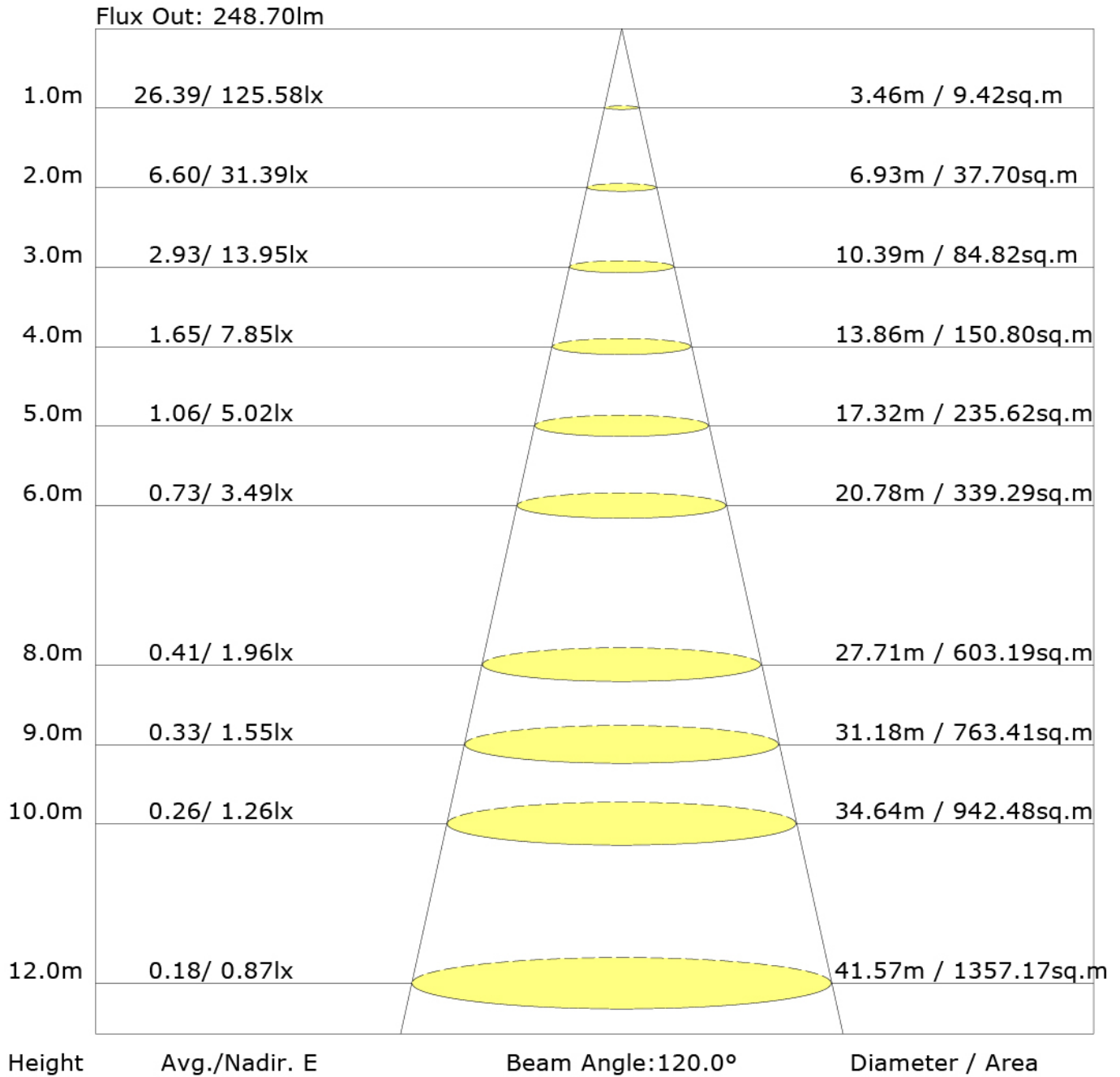
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The Average Illuminance Effective Figure



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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  $309lm (8\log(F/F_0) = -4.1)$ .

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## Zonal Lumen

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	125.6	0.1	0.1	0.04	0.04
1.0-2.0	125.5	0.4	0.5	0.12	0.16
2.0-3.0	125.3	0.6	1.1	0.19	0.35
3.0-4.0	125.1	0.8	1.9	0.27	0.62
4.0-5.0	124.8	1.1	3.0	0.35	0.97
5.0-6.0	124.4	1.3	4.3	0.42	1.39
6.0-7.0	124.0	1.5	5.8	0.50	1.89
7.0-8.0	123.5	1.8	7.6	0.57	2.46
8.0-9.0	122.9	2.0	9.6	0.64	3.11
9.0-10.0	122.3	2.2	11.8	0.72	3.82
10.0-11.0	121.6	2.4	14.2	0.79	4.61
11.0-12.0	120.8	2.6	16.9	0.85	5.46
12.0-13.0	120.0	2.8	19.7	0.92	6.38
13.0-14.0	119.0	3.0	22.8	0.99	7.37
14.0-15.0	118.0	3.2	26.0	1.05	8.42
15.0-16.0	117.0	3.4	29.4	1.11	9.53
16.0-17.0	115.9	3.6	33.1	1.17	10.70
17.0-18.0	114.8	3.8	36.8	1.22	11.92
18.0-19.0	113.6	4.0	40.8	1.28	13.20
19.0-20.0	112.3	4.1	44.9	1.33	14.53
20.0-21.0	111.0	4.3	49.2	1.38	15.91
21.0-22.0	109.7	4.4	53.6	1.43	17.33
22.0-23.0	108.3	4.5	58.1	1.47	18.80
23.0-24.0	106.8	4.7	62.8	1.51	20.32
24.0-25.0	105.3	4.8	67.6	1.55	21.86
25.0-26.0	103.8	4.9	72.5	1.59	23.45
26.0-27.0	102.3	5.0	77.5	1.62	25.07
27.0-28.0	100.7	5.1	82.6	1.65	26.72
28.0-29.0	99.1	5.2	87.8	1.68	28.40
29.0-30.0	97.4	5.3	93.0	1.70	30.10
30.0-31.0	95.8	5.3	98.4	1.72	31.82
31.0-32.0	94.1	5.4	103.8	1.74	33.57
32.0-33.0	92.4	5.4	109.2	1.76	35.33
33.0-34.0	90.7	5.5	114.7	1.78	37.10
34.0-35.0	89.0	5.5	120.2	1.79	38.89
35.0-36.0	87.2	5.6	125.8	1.80	40.69

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Zonal Lumen (Continue 1)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	85.5	5.6	131.3	1.80	42.49
37.0-38.0	83.7	5.6	136.9	1.81	44.30
38.0-39.0	82.0	5.6	142.5	1.81	46.11
39.0-40.0	80.2	5.6	148.1	1.81	47.92
40.0-41.0	78.4	5.6	153.7	1.81	49.73
41.0-42.0	76.6	5.6	159.3	1.80	51.53
42.0-43.0	74.8	5.5	164.8	1.79	53.32
43.0-44.0	72.9	5.5	170.3	1.78	55.10
44.0-45.0	71.1	5.5	175.8	1.77	56.87
45.0-46.0	69.3	5.4	181.2	1.75	58.62
46.0-47.0	67.5	5.4	186.6	1.74	60.36
47.0-48.0	65.6	5.3	191.9	1.72	62.08
48.0-49.0	63.8	5.2	197.1	1.70	63.77
49.0-50.0	62.0	5.2	202.3	1.67	65.44
50.0-51.0	60.2	5.1	207.4	1.65	67.09
51.0-52.0	58.3	5.0	212.4	1.62	68.71
52.0-53.0	56.5	4.9	217.3	1.59	70.30
53.0-54.0	54.6	4.8	222.1	1.56	71.86
54.0-55.0	52.8	4.7	226.8	1.53	73.38
55.0-56.0	51.0	4.6	231.4	1.49	74.87
56.0-57.0	49.2	4.5	235.9	1.45	76.33
57.0-58.0	47.4	4.4	240.3	1.42	77.74
58.0-59.0	45.6	4.3	244.6	1.38	79.12
59.0-60.0	43.8	4.1	248.7	1.34	80.46
60.0-61.0	42.0	4.0	252.7	1.30	81.76
61.0-62.0	40.2	3.9	256.6	1.25	83.01
62.0-63.0	38.5	3.7	260.3	1.21	84.22
63.0-64.0	36.7	3.6	263.9	1.17	85.39
64.0-65.0	35.0	3.5	267.4	1.12	86.51
65.0-66.0	33.3	3.3	270.7	1.07	87.58
66.0-67.0	31.5	3.2	273.9	1.03	88.61
67.0-68.0	29.8	3.0	276.9	0.98	89.59
68.0-69.0	28.2	2.9	279.8	0.93	90.52
69.0-70.0	26.5	2.7	282.5	0.88	91.40
70.0-71.0	24.8	2.6	285.1	0.83	92.23
71.0-72.0	23.2	2.4	287.5	0.78	93.01

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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	21.6	2.3	289.7	0.73	93.74
73.0-74.0	20.1	2.1	291.9	0.68	94.42
74.0-75.0	18.5	2.0	293.8	0.63	95.06
75.0-76.0	16.9	1.8	295.6	0.58	95.64
76.0-77.0	15.4	1.6	297.3	0.53	96.17
77.0-78.0	14.0	1.5	298.8	0.48	96.65
78.0-79.0	12.5	1.3	300.1	0.44	97.09
79.0-80.0	11.1	1.2	301.3	0.39	97.48
80.0-81.0	9.8	1.1	302.4	0.34	97.82
81.0-82.0	8.5	0.9	303.3	0.30	98.12
82.0-83.0	7.2	0.8	304.1	0.25	98.37
83.0-84.0	5.9	0.6	304.7	0.21	98.58
84.0-85.0	4.8	0.5	305.2	0.17	98.75
85.0-86.0	3.6	0.4	305.6	0.13	98.88
86.0-87.0	2.6	0.3	305.9	0.09	98.97
87.0-88.0	1.7	0.2	306.1	0.06	99.03
88.0-89.0	1.0	0.1	306.2	0.03	99.06
89.0-90.0	0.5	0.1	306.2	0.02	99.08
90.0-91.0	0.2	0.0	306.3	0.01	99.09
91.0-92.0	0.1	0.0	306.3	0.00	99.09
92.0-93.0	0.1	0.0	306.3	0.00	99.09
93.0-94.0	0.1	0.0	306.3	0.00	99.10
94.0-95.0	0.1	0.0	306.3	0.00	99.10
95.0-96.0	0.1	0.0	306.3	0.00	99.11
96.0-97.0	0.1	0.0	306.3	0.00	99.11
97.0-98.0	0.1	0.0	306.4	0.00	99.12
98.0-99.0	0.1	0.0	306.4	0.01	99.12
99.0-100.0	0.2	0.0	306.4	0.01	99.13
100.0-101.0	0.2	0.0	306.4	0.01	99.13
101.0-102.0	0.2	0.0	306.4	0.01	99.14
102.0-103.0	0.2	0.0	306.5	0.01	99.14
103.0-104.0	0.2	0.0	306.5	0.01	99.15
104.0-105.0	0.2	0.0	306.5	0.01	99.16
105.0-106.0	0.2	0.0	306.5	0.01	99.17
106.0-107.0	0.2	0.0	306.5	0.01	99.17
107.0-108.0	0.2	0.0	306.6	0.01	99.18

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=1.0000]  
 Humidity: 65  
 Inspector:

S-72901-6W

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	0.3	0.0	306.6	0.01	99.19
109.0-110.0	0.3	0.0	306.6	0.01	99.20
110.0-111.0	0.3	0.0	306.7	0.01	99.21
111.0-112.0	0.3	0.0	306.7	0.01	99.22
112.0-113.0	0.3	0.0	306.7	0.01	99.23
113.0-114.0	0.3	0.0	306.7	0.01	99.24
114.0-115.0	0.3	0.0	306.8	0.01	99.25
115.0-116.0	0.3	0.0	306.8	0.01	99.26
116.0-117.0	0.4	0.0	306.9	0.01	99.27
117.0-118.0	0.4	0.0	306.9	0.01	99.29
118.0-119.0	0.4	0.0	306.9	0.01	99.30
119.0-120.0	0.4	0.0	307.0	0.01	99.31
120.0-121.0	0.4	0.0	307.0	0.01	99.32
121.0-122.0	0.4	0.0	307.0	0.01	99.34
122.0-123.0	0.4	0.0	307.1	0.01	99.35
123.0-124.0	0.5	0.0	307.1	0.01	99.36
124.0-125.0	0.5	0.0	307.2	0.01	99.38
125.0-126.0	0.5	0.0	307.2	0.01	99.39
126.0-127.0	0.5	0.0	307.3	0.01	99.41
127.0-128.0	0.5	0.0	307.3	0.01	99.42
128.0-129.0	0.5	0.0	307.3	0.01	99.43
129.0-130.0	0.5	0.0	307.4	0.01	99.45
130.0-131.0	0.6	0.0	307.4	0.01	99.46
131.0-132.0	0.6	0.0	307.5	0.02	99.48
132.0-133.0	0.6	0.0	307.5	0.02	99.49
133.0-134.0	0.6	0.0	307.6	0.02	99.51
134.0-135.0	0.6	0.0	307.6	0.02	99.53
135.0-136.0	0.6	0.0	307.7	0.02	99.54
136.0-137.0	0.6	0.0	307.7	0.02	99.56
137.0-138.0	0.6	0.0	307.8	0.02	99.57
138.0-139.0	0.7	0.0	307.8	0.02	99.59
139.0-140.0	0.7	0.0	307.9	0.02	99.60
140.0-141.0	0.7	0.0	307.9	0.02	99.62
141.0-142.0	0.7	0.0	308.0	0.02	99.63
142.0-143.0	0.7	0.0	308.0	0.02	99.65
143.0-144.0	0.7	0.0	308.1	0.02	99.66

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=1.0000]  
 Humidity: 65  
 Inspector:

S-72901-6W

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	0.7	0.0	308.1	0.02	99.68
145.0-146.0	0.7	0.0	308.2	0.02	99.69
146.0-147.0	0.8	0.0	308.2	0.01	99.71
147.0-148.0	0.8	0.0	308.2	0.01	99.72
148.0-149.0	0.8	0.0	308.3	0.01	99.74
149.0-150.0	0.8	0.0	308.3	0.01	99.75
150.0-151.0	0.8	0.0	308.4	0.01	99.77
151.0-152.0	0.8	0.0	308.4	0.01	99.78
152.0-153.0	0.8	0.0	308.5	0.01	99.79
153.0-154.0	0.8	0.0	308.5	0.01	99.81
154.0-155.0	0.9	0.0	308.5	0.01	99.82
155.0-156.0	0.9	0.0	308.6	0.01	99.83
156.0-157.0	0.9	0.0	308.6	0.01	99.85
157.0-158.0	0.9	0.0	308.7	0.01	99.86
158.0-159.0	0.9	0.0	308.7	0.01	99.87
159.0-160.0	0.9	0.0	308.7	0.01	99.88
160.0-161.0	0.9	0.0	308.8	0.01	99.89
161.0-162.0	0.9	0.0	308.8	0.01	99.90
162.0-163.0	0.9	0.0	308.8	0.01	99.91
163.0-164.0	1.0	0.0	308.9	0.01	99.92
164.0-165.0	1.0	0.0	308.9	0.01	99.93
165.0-166.0	1.0	0.0	308.9	0.01	99.94
166.0-167.0	1.0	0.0	308.9	0.01	99.95
167.0-168.0	1.0	0.0	309.0	0.01	99.96
168.0-169.0	1.0	0.0	309.0	0.01	99.96
169.0-170.0	1.0	0.0	309.0	0.01	99.97
170.0-171.0	1.0	0.0	309.0	0.01	99.97
171.0-172.0	1.0	0.0	309.0	0.01	99.98
172.0-173.0	1.0	0.0	309.0	0.00	99.98
173.0-174.0	1.0	0.0	309.1	0.00	99.99
174.0-175.0	1.0	0.0	309.1	0.00	99.99
175.0-176.0	1.0	0.0	309.1	0.00	99.99
176.0-177.0	1.0	0.0	309.1	0.00	100.00
177.0-178.0	1.0	0.0	309.1	0.00	100.00
178.0-179.0	1.0	0.0	309.1	0.00	100.00
179.0-180.0	1.0	0.0	309.1	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=1.0000]  
 Humidity: 65  
 Inspector:

S-72901-6W

## Zonal Lumen (Continue 5)

cone flux(90°): 175.78 lm

%lum = 56.9%

%lamp = 56.9%

cone flux(120°): 248.70 lm

%lum = 80.5%

%lamp = 80.5%



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**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	125.6	125.6	125.6	125.6	125.6	125.6	125.6	125.6	125.6	
G1.0	125.6	125.5	125.4	125.5	125.5	125.7	125.6	125.6	125.6	
G2.0	125.6	125.2	125.1	125.2	125.3	125.7	125.7	125.6	125.6	
G3.0	125.6	124.9	124.8	124.9	125.0	125.6	125.6	125.5	125.6	
G4.0	125.4	124.5	124.4	124.6	124.7	125.4	125.5	125.3	125.4	
G5.0	125.3	124.1	123.8	124.1	124.3	125.2	125.2	125.1	125.3	
G6.0	125.0	123.6	123.3	123.7	123.9	124.9	124.9	124.8	125.0	
G7.0	124.7	123.0	122.7	123.1	123.3	124.6	124.6	124.5	124.7	
G8.0	124.3	122.3	121.9	122.4	122.7	124.2	124.1	124.0	124.3	
G9.0	123.8	121.6	121.1	121.8	122.1	123.7	123.5	123.5	123.8	
G10.0	123.2	120.9	120.3	121.0	121.3	123.1	122.9	122.9	123.2	
G11.0	122.6	120.1	119.3	120.1	120.6	122.5	122.2	122.2	122.6	
G12.0	121.9	119.1	118.3	119.3	119.8	121.7	121.5	121.5	121.9	
G13.0	121.2	118.1	117.3	118.3	118.9	121.0	120.7	120.7	121.2	
G14.0	120.5	117.0	116.1	117.2	117.9	120.1	119.7	119.9	120.5	
G15.0	119.6	115.9	114.9	116.2	117.0	119.2	118.8	119.0	119.6	
G16.0	118.7	114.8	113.7	115.1	115.9	118.2	117.7	117.9	118.7	
G17.0	117.7	113.6	112.4	114.0	114.8	117.1	116.5	116.9	117.7	
G18.0	116.8	112.3	110.9	112.6	113.7	116.1	115.4	115.8	116.8	
G19.0	115.6	111.1	109.5	111.4	112.4	115.0	114.2	114.7	115.6	
G20.0	114.5	109.8	108.0	110.1	111.1	113.7	112.8	113.5	114.5	
G21.0	113.4	108.3	106.5	108.6	109.9	112.5	111.5	112.1	113.4	
G22.0	112.1	106.8	105.0	107.2	108.6	111.2	110.1	110.8	112.1	
G23.0	110.9	105.4	103.3	105.9	107.2	109.7	108.5	109.5	110.9	
G24.0	109.6	103.8	101.8	104.3	105.8	108.4	107.1	108.1	109.6	
G25.0	108.1	102.2	100.2	102.8	104.3	107.0	105.6	106.5	108.1	
G26.0	106.8	100.7	98.4	101.2	102.7	105.5	104.0	105.1	106.8	
G27.0	105.2	99.1	96.8	99.7	101.3	104.1	102.3	103.4	105.2	
G28.0	103.8	97.4	95.1	98.0	99.6	102.4	100.7	101.9	103.8	
G29.0	102.3	95.6	93.5	96.4	98.0	100.9	99.1	100.3	102.3	
G30.0	100.7	94.0	91.8	94.6	96.4	99.3	97.3	98.6	100.7	
G31.0	99.2	92.2	90.1	93.0	94.8	97.5	95.6	97.0	99.2	
G32.0	97.6	90.6	88.4	91.3	93.0	95.9	93.9	95.3	97.6	
G33.0	95.9	88.9	86.6	89.6	91.3	94.3	92.3	93.6	95.9	
G34.0	94.3	87.0	84.9	87.8	89.8	92.4	90.5	91.7	94.3	
G35.0	92.5	85.3	83.3	86.1	88.0	90.7	88.8	90.0	92.5	
G36.0	90.8	83.7	81.4	84.5	86.2	89.0	87.1	88.3	90.8	

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=1.0000]  
 Humidity: 65  
 Inspector:

S-72901-6W

**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	88.9	82.0	79.8	82.8	84.5	87.3	85.4	86.4	88.9	
G38.0	87.2	80.1	78.1	80.9	82.8	85.4	83.7	84.7	87.2	
G39.0	85.5	78.4	76.1	79.3	80.8	83.7	82.1	82.9	85.5	
G40.0	83.7	76.7	74.2	77.5	79.0	81.9	80.2	81.0	83.7	
G41.0	81.8	75.0	72.3	75.6	77.2	80.0	78.5	79.3	81.8	
G42.0	80.1	73.0	70.5	73.9	75.2	78.3	76.8	77.4	80.1	
G43.0	78.3	71.4	68.5	72.2	73.4	76.6	74.9	75.6	78.3	
G44.0	76.5	69.7	66.7	70.4	71.6	74.7	72.9	73.9	76.5	
G45.0	74.5	67.8	64.7	68.6	69.6	73.0	71.0	72.2	74.5	
G46.0	72.7	66.0	62.9	66.9	67.7	71.2	69.2	70.3	72.7	
G47.0	70.7	64.4	61.2	65.2	65.9	69.3	67.3	68.5	70.7	
G48.0	68.9	62.5	59.4	63.3	63.9	67.5	65.5	66.8	68.9	
G49.0	67.0	60.7	57.5	61.5	62.1	65.8	63.7	64.9	67.0	
G50.0	65.2	58.8	55.8	59.6	60.3	63.9	61.7	63.2	65.2	
G51.0	63.2	57.0	54.0	57.8	58.3	62.2	59.9	61.5	63.2	
G52.0	61.4	55.1	52.3	55.8	56.4	60.4	58.2	59.5	61.4	
G53.0	59.6	53.2	50.4	54.1	54.6	58.6	56.3	57.6	59.6	
G54.0	57.7	51.4	48.7	52.3	52.6	56.6	54.6	55.7	57.7	
G55.0	55.7	49.7	47.0	50.4	50.8	54.8	52.8	53.9	55.7	
G56.0	53.9	47.7	45.2	48.6	49.0	53.0	50.9	52.1	53.9	
G57.0	52.1	46.0	43.5	46.9	47.0	51.1	49.2	50.3	52.1	
G58.0	50.1	44.2	41.9	45.2	45.2	49.3	47.5	48.3	50.1	
G59.0	48.3	42.4	40.1	43.3	43.4	47.5	45.6	46.6	48.3	
G60.0	46.5	40.6	38.4	41.6	41.5	45.6	43.9	44.8	46.5	
G61.0	44.6	38.9	36.8	39.9	39.8	43.8	42.2	42.9	44.6	
G62.0	42.8	37.2	35.1	38.2	38.0	42.1	40.4	41.2	42.8	
G63.0	41.0	35.4	33.3	36.3	36.1	40.4	38.7	39.4	41.0	
G64.0	39.3	33.7	31.7	34.6	34.4	38.5	37.1	37.6	39.3	
G65.0	37.3	32.0	30.1	33.0	32.6	36.8	35.3	35.9	37.3	
G66.0	35.6	30.2	28.4	31.3	30.8	35.1	33.7	34.0	35.6	
G67.0	33.9	28.5	26.9	29.5	29.1	33.3	32.0	32.3	33.9	
G68.0	32.1	26.9	25.3	27.8	27.4	31.6	30.3	30.6	32.1	
G69.0	30.3	25.3	23.8	26.2	25.7	29.9	28.7	28.9	30.3	
G70.0	28.6	23.7	22.1	24.5	23.9	28.2	27.1	27.1	28.6	
G71.0	26.9	21.9	20.6	22.9	22.3	26.5	25.5	25.5	26.9	
G72.0	25.3	20.4	19.1	21.3	20.7	24.8	23.8	23.9	25.3	
G73.0	23.6	18.8	17.7	19.8	19.1	23.2	22.3	22.3	23.6	

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=1.0000]  
 Humidity: 65  
 Inspector:

S-72901-6W

**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	22.0	17.3	16.2	18.2	17.4	21.7	20.8	20.7	22.0	
G75.0	20.3	15.8	14.8	16.7	15.9	20.0	19.2	19.0	20.3	
G76.0	18.7	14.3	13.4	15.1	14.4	18.4	17.7	17.5	18.7	
G77.0	17.1	12.9	11.9	13.6	12.8	16.9	16.3	16.0	17.1	
G78.0	15.6	11.5	10.6	12.2	11.3	15.4	14.9	14.4	15.6	
G79.0	14.1	10.2	9.3	10.8	9.9	13.8	13.4	13.0	14.1	
G80.0	12.7	8.7	8.1	9.5	8.6	12.4	12.0	11.5	12.7	
G81.0	11.3	7.4	6.9	8.2	7.3	11.0	10.7	10.2	11.3	
G82.0	9.9	6.2	5.7	7.0	5.9	9.7	9.4	8.7	9.9	
G83.0	8.5	5.0	4.6	5.6	4.7	8.4	8.0	7.4	8.5	
G84.0	7.2	3.9	3.5	4.5	3.6	7.1	6.8	6.2	7.2	
G85.0	5.9	2.8	2.5	3.3	2.5	5.7	5.6	5.0	5.9	
G86.0	4.8	1.7	1.6	2.3	1.4	4.6	4.5	3.9	4.8	
G87.0	3.6	0.8	0.7	1.4	0.6	3.5	3.4	2.7	3.6	
G88.0	2.6	0.2	0.2	0.6	0.1	2.3	2.4	1.7	2.6	
G89.0	1.6	0.1	0.1	0.1	0.1	1.4	1.4	0.8	1.6	
G90.0	0.7	0.1	0.1	0.1	0.1	0.6	0.7	0.2	0.7	
G91.0	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.1	0.1	
G92.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	
G93.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
G94.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
G95.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
G96.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
G97.0	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
G98.0	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	
G99.0	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	
G100.0	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	
G101.0	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	
G102.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
G103.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
G104.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
G105.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
G106.0	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	
G107.0	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	
G108.0	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3	
G109.0	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3	
G110.0	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.3	

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=1.0000]  
 Humidity: 65  
 Inspector:

S-72901-6W

**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	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
G112.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
G113.0	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
G114.0	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3
G115.0	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3
G116.0	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.4
G117.0	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.4
G118.0	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.4
G119.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
G120.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
G121.0	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4
G122.0	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4
G123.0	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.5
G124.0	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.5
G125.0	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.5
G126.0	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.5
G127.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
G128.0	0.5	0.6	0.5	0.6	0.5	0.5	0.5	0.5	0.5
G129.0	0.5	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5
G130.0	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.6
G131.0	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.6
G132.0	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.6
G133.0	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.6	0.6
G134.0	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.6	0.6
G135.0	0.6	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6
G136.0	0.6	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6
G137.0	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.7
G138.0	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.7
G139.0	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.7
G140.0	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.7
G141.0	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.7
G142.0	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.7	0.7
G143.0	0.7	0.8	0.8	0.8	0.7	0.7	0.6	0.7	0.7
G144.0	0.7	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7
G145.0	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.8
G146.0	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.8
G147.0	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.8

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=1.0000]  
 Humidity: 65  
 Inspector:

S-72901-6W

**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	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.8	
G149.0	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.8	
G150.0	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.8	0.8	
G151.0	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.8	
G152.0	0.8	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8	
G153.0	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.9	
G154.0	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.9	
G155.0	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.9	
G156.0	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9	
G157.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	
G158.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	
G159.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	
G160.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	
G161.0	0.9	0.9	1.0	0.9	0.9	0.9	0.9	0.9	0.9	
G162.0	0.9	0.9	1.0	0.9	0.9	0.9	0.9	0.9	0.9	
G163.0	0.9	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	
G164.0	0.9	1.0	1.0	1.0	1.0	1.0	0.9	1.0	0.9	
G165.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	
G166.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
G167.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
G168.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
G169.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
G170.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
G171.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
G172.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
G173.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
G174.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
G175.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
G176.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
G177.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
G178.0	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.0	1.0	
G179.0	1.0	1.0	1.0	1.0	1.0	1.1	1.0	1.1	1.0	
G180.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.0	

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=1.0000]  
 Humidity: 65  
 Inspector:

S-72901-6W

## LED Average Luminance Report

Avg.L	cd/m <sup>2</sup>
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  
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=1.0000]  
Humidity: 65  
Inspector: