

Report No.: 6073A

Test Time: 2024/9/14 14:38

Luminaire Property

Luminaire Manufacturer: BBT LIGHTING
 Luminaire Category: OUTDOOR LAMP
 Luminaire Description: TONDA WALL 338100

Voltage: 220.3 V
 Power: 11.65 W

Current: 0.056 A
 Power Factor: 0.938

Photometric Results

CIE Class: Indirect
 Measurement Flux: 283.1 lm
 Downward Ratio: 7%
 Horizontal Diffuse Angle(50%): H0
 Vertical Diffuse Angle(50%): V0
 Luminaire Efficacy Rating (LER): 24.35
 Max. Intensity: 63.52 cd
 S/MH(C0/C180): 2.96

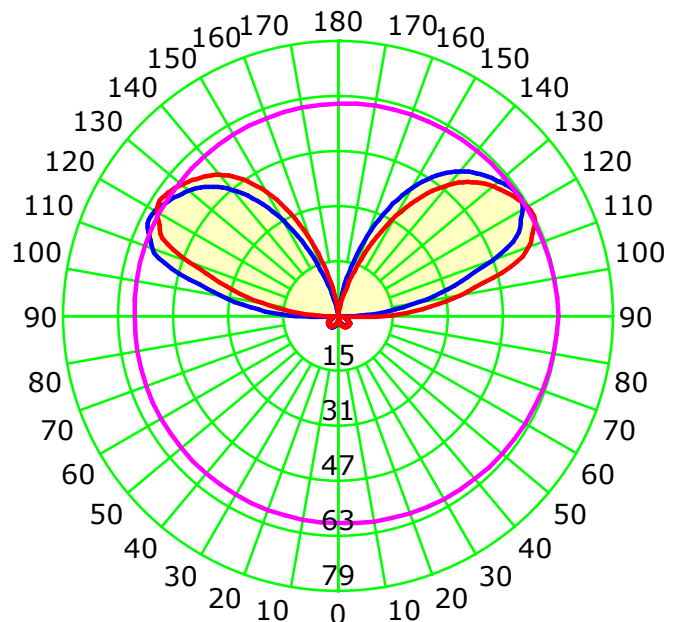
Total Rated Lamp Lumens: 283.1 lm
 Efficiency: 100%
 Upward Ratio: 93%

C0r0 Intensity: 1.31 cd
 Pos of Max. Intensity: H90 V118
 S/MH(C90/C270): 2.96

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

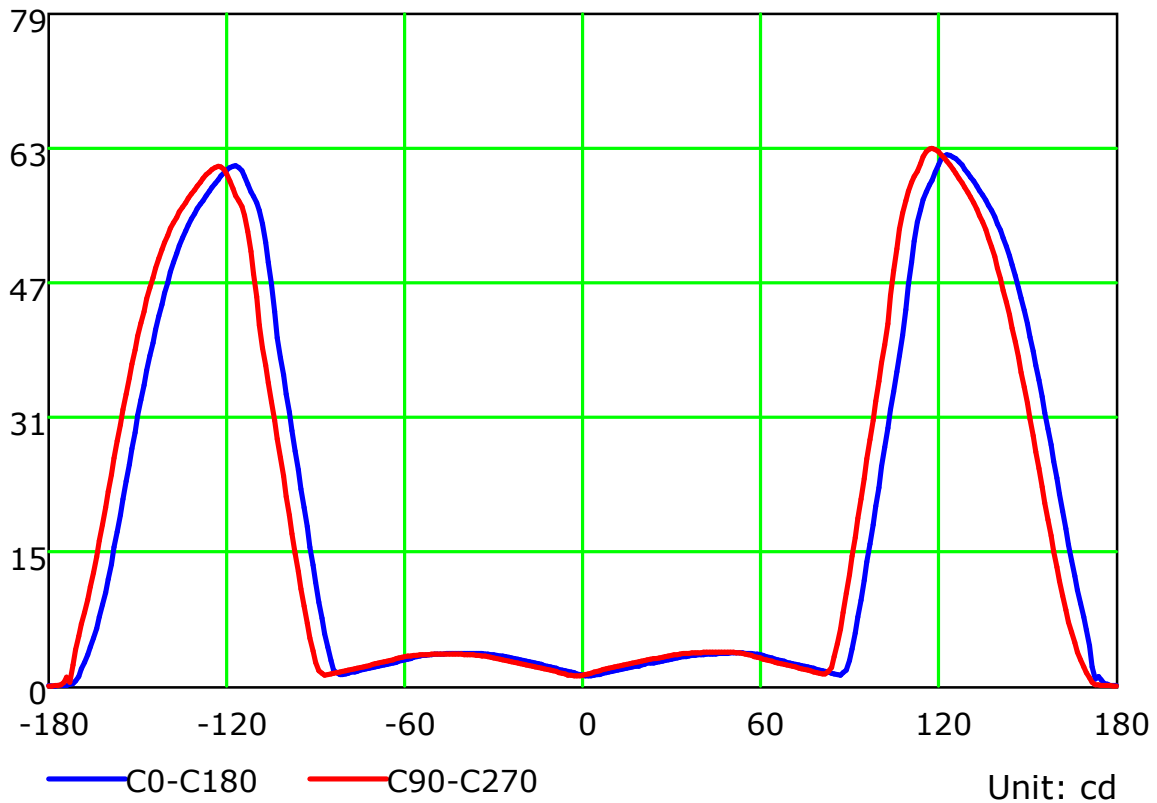
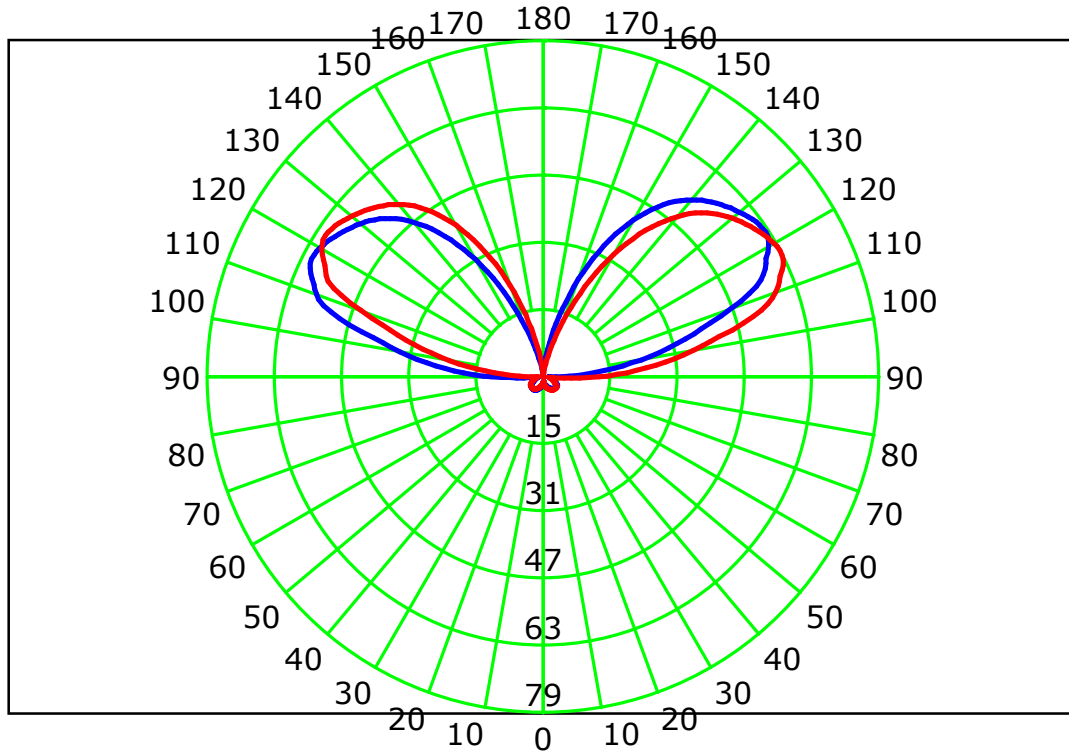
Average Diffuse Angle(50%): 306.6°

— C0-C180 — C90-C270 — G118

C Plane (°):0.0-360.0: 90.0
 Test Lab: Inventfine instruments
 Test Type: TYPE C
 Temperature: 26
 Operator: Carlos

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.684 m [K=1.0000]
 Humidity: 65
 Inspector:

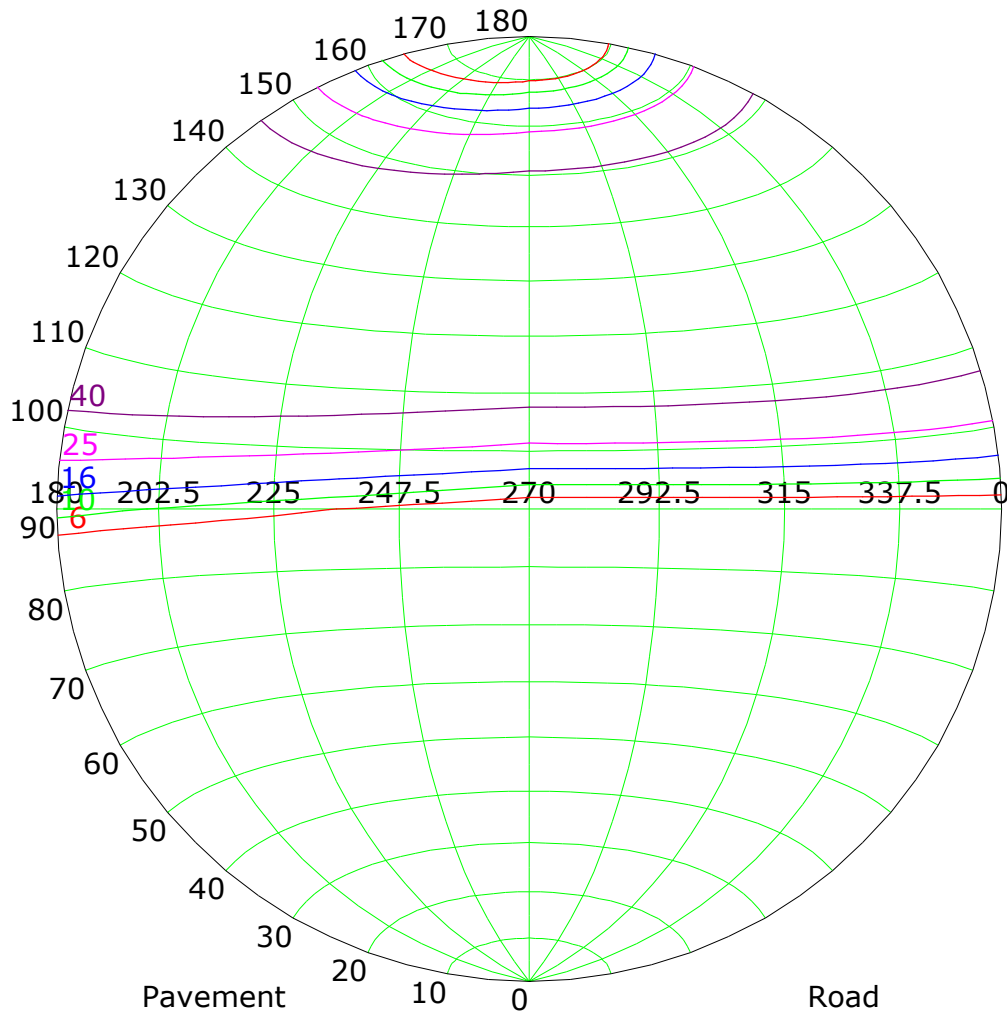
Luminous Intensity Distribution Curve



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Isocandela (sphere)



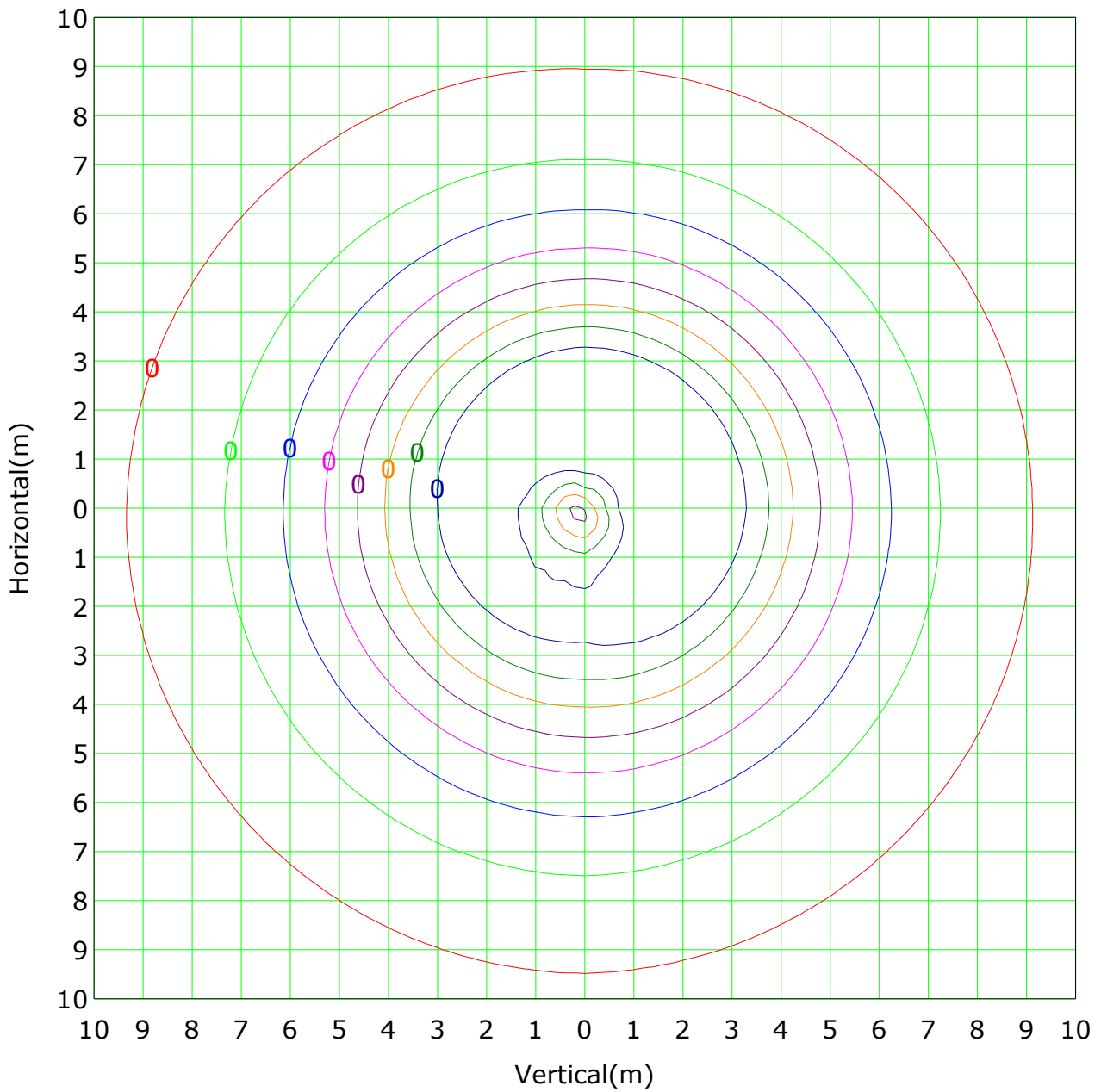
Imax (100%): 64 cd

— (10%):	6 cd	— (16%):	10 cd
— (25%):	16 cd	— (40%):	25 cd
— (63%):	40 cd	— (100%):	64 cd

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IsoLux Plot



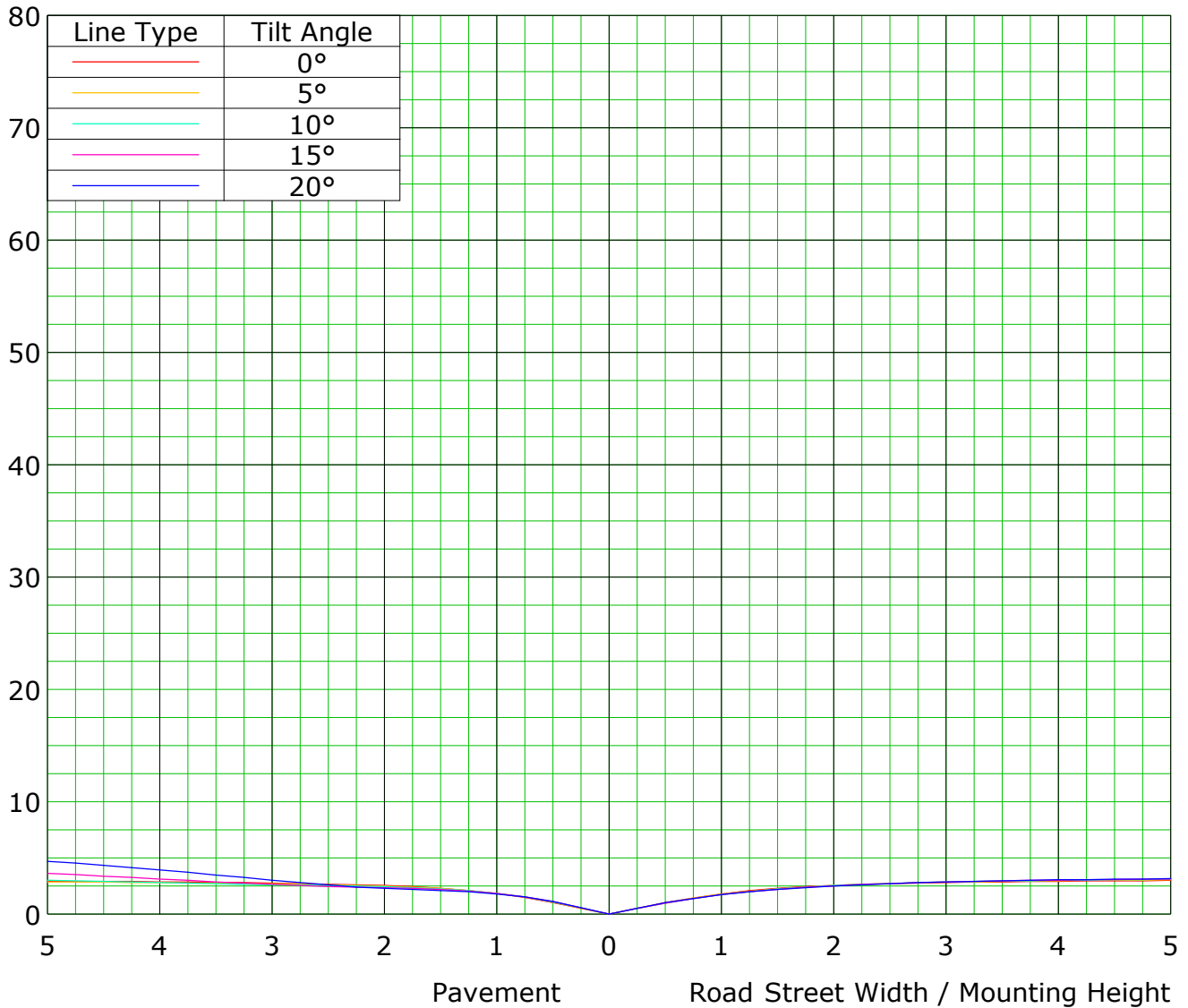
Mounting Height: 4.5m		Max Lux(100%): 0.1 lx	
— (10%):	0.0 lx	— (20%):	0.0 lx
— (30%):	0.0 lx	— (40%):	0.1 lx
— (50%):	0.1 lx	— (60%):	0.1 lx
— (70%):	0.1 lx	— (80%):	0.1 lx

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 Inspector:

Roadway CU Curve

Efficiency(%)



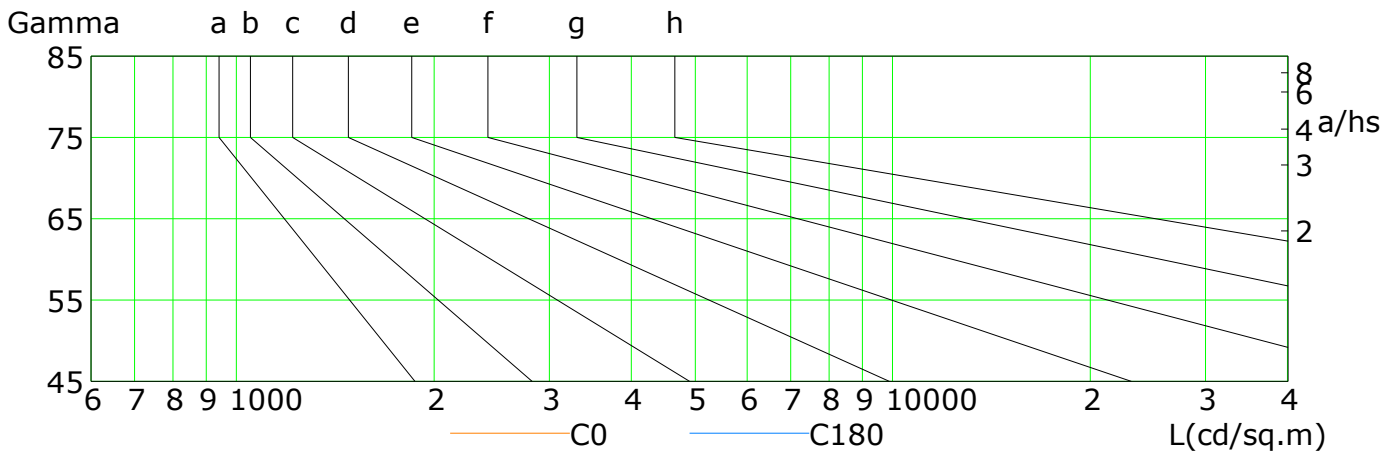
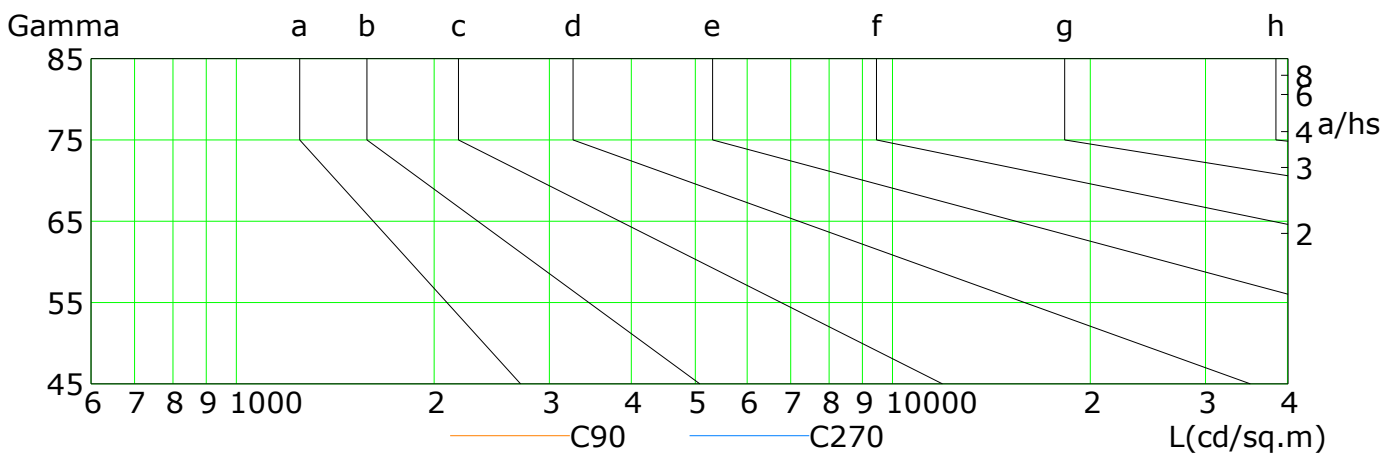
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Lum Limit Curve

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

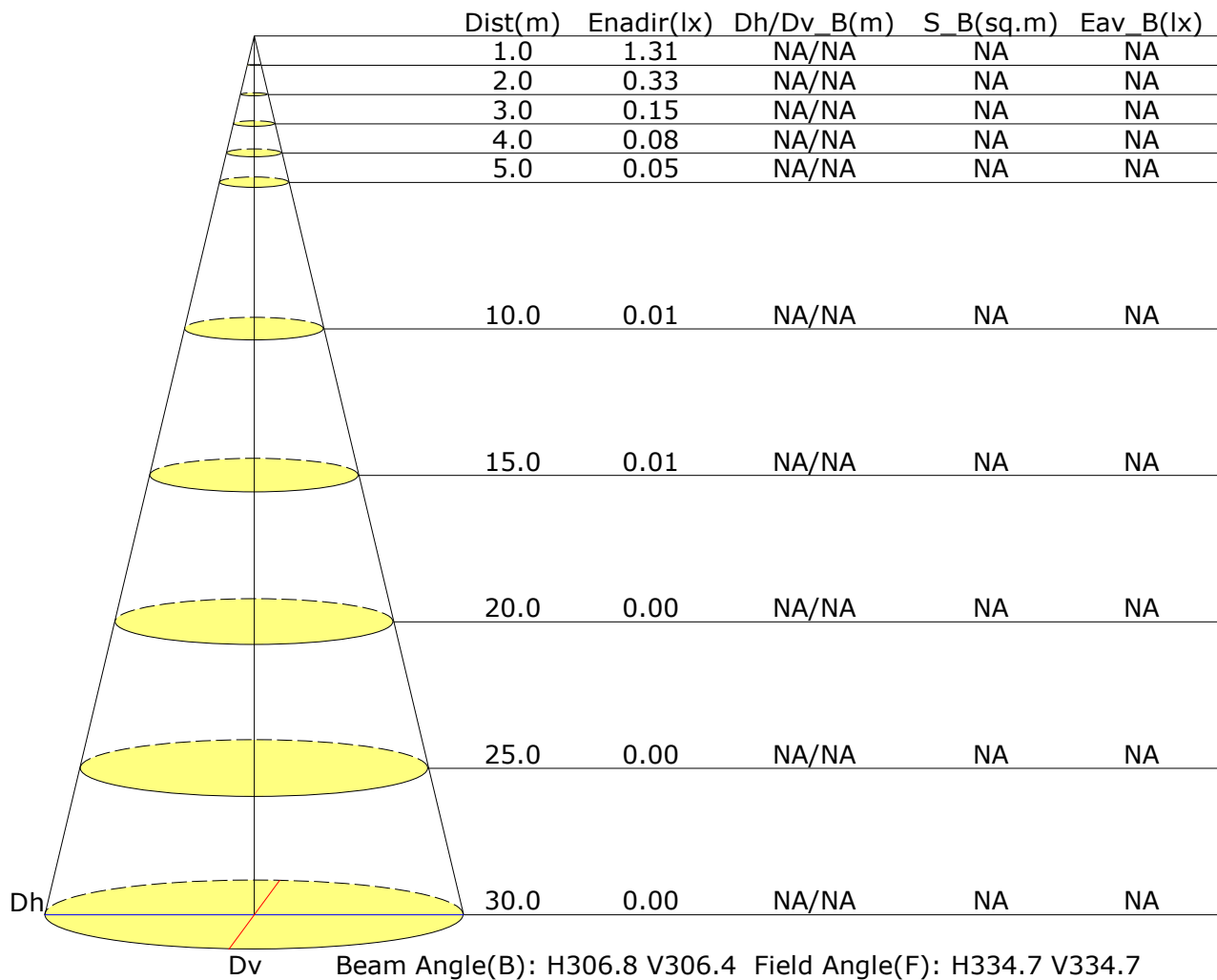


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	4	4	4	4	3	3	2	2	1
C90	4	4	4	3	3	2	2	2	3
C180	4	4	4	3	3	2	2	2	3
C270	4	4	4	4	3	3	2	2	1

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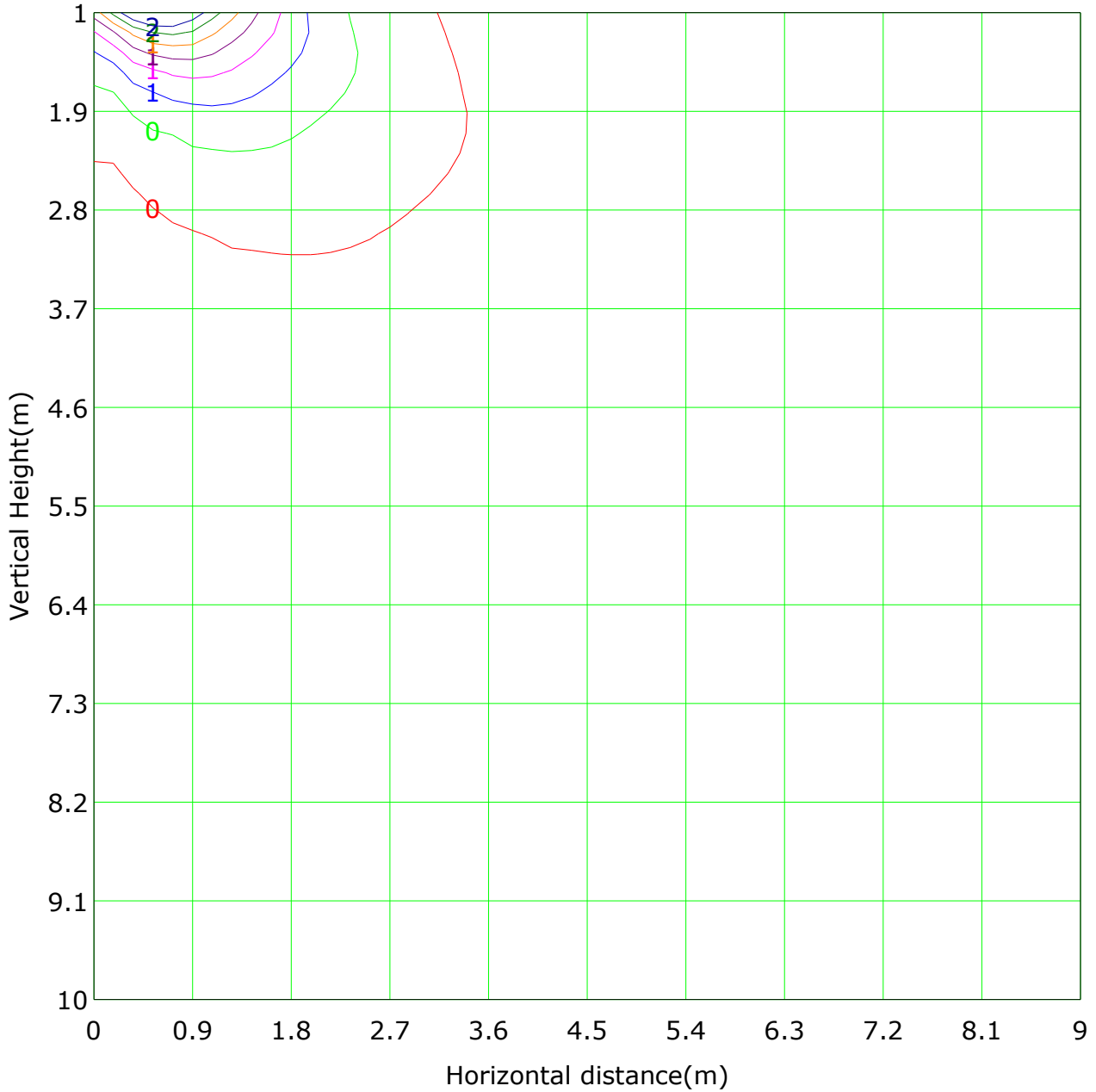
Illuminance at a Distance



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 Humidity: 65
 Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 10.0m	Max Lux: 2.4 lx
— (10%): 0.2 lx	— (20%): 0.5 lx	— (40%): 1.0 lx
— (30%): 0.7 lx	— (50%): 1.2 lx	— (60%): 1.4 lx
— (70%): 1.7 lx	— (80%): 1.9 lx	

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Area Flux Table

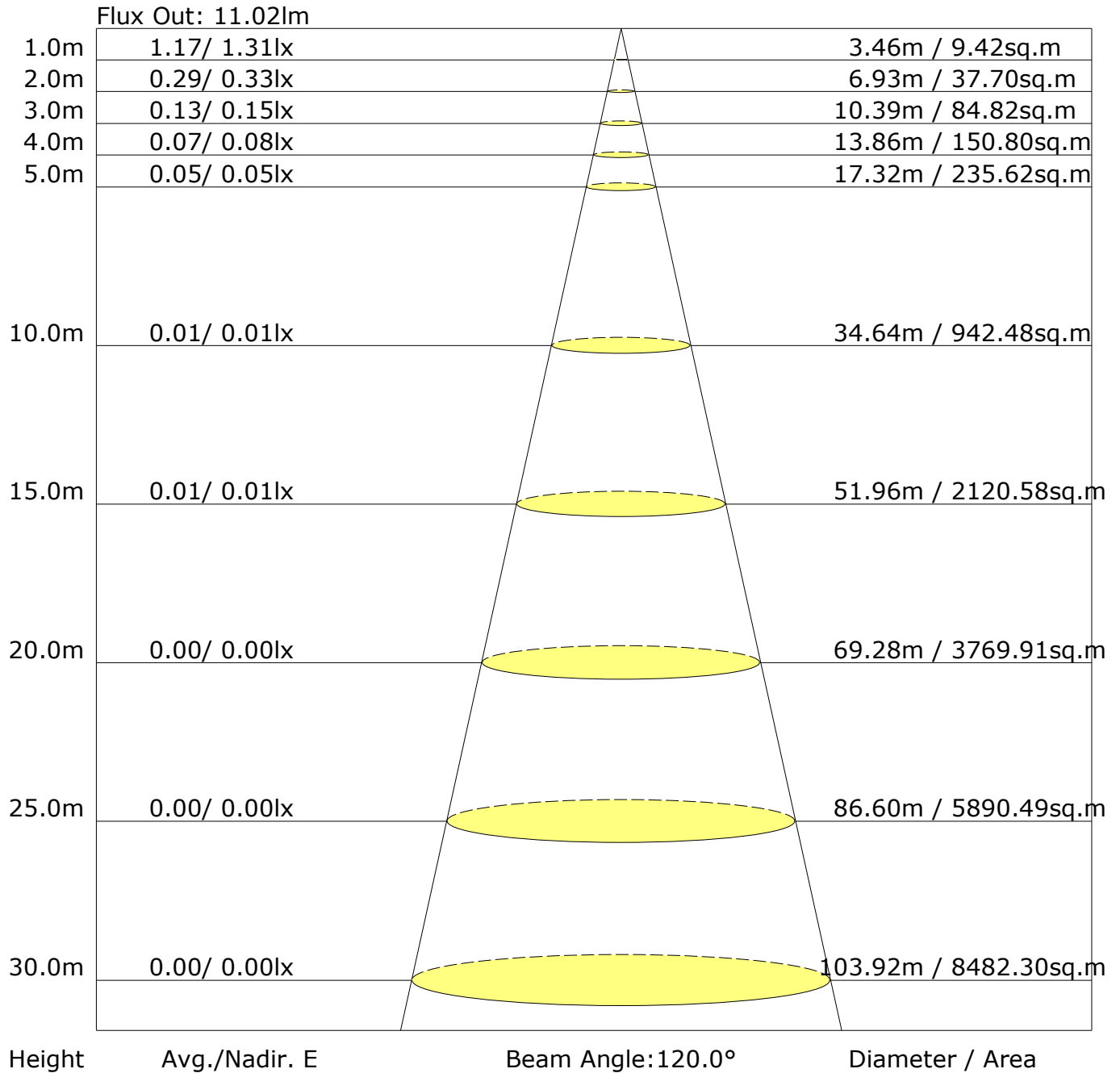
Unit: lm

		Vertical plane																				
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane	-90	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
	-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1
	-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.1
	-60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.1
	-50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.1
	-40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.1
	-30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.1
	-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.1
	-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.1
	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.1
	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.1
	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.1
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0
	40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0
	50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
	60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0
	70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
	80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	
																					20	1

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 Inspector:

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										
S=1.5H										
S=2.0H										

Calculate in accordance with CIE Pub.117. The table is revised with $283lm (8\log(F/F_0) = -4.4)$.

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 Distance: 8.684 m [K=1.0000]
 Humidity: 65
 Inspector:

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	1.3	0.0	0.0	0.00	0.00
1.0-2.0	1.3	0.0	0.0	0.00	0.00
2.0-3.0	1.4	0.0	0.0	0.00	0.00
3.0-4.0	1.5	0.0	0.0	0.00	0.01
4.0-5.0	1.5	0.0	0.0	0.00	0.01
5.0-6.0	1.6	0.0	0.1	0.01	0.02
6.0-7.0	1.7	0.0	0.1	0.01	0.03
7.0-8.0	1.8	0.0	0.1	0.01	0.03
8.0-9.0	1.9	0.0	0.1	0.01	0.05
9.0-10.0	2.0	0.0	0.2	0.01	0.06
10.0-11.0	2.1	0.0	0.2	0.01	0.07
11.0-12.0	2.1	0.0	0.3	0.02	0.09
12.0-13.0	2.2	0.1	0.3	0.02	0.11
13.0-14.0	2.3	0.1	0.4	0.02	0.13
14.0-15.0	2.4	0.1	0.4	0.02	0.15
15.0-16.0	2.5	0.1	0.5	0.03	0.18
16.0-17.0	2.5	0.1	0.6	0.03	0.21
17.0-18.0	2.6	0.1	0.7	0.03	0.24
18.0-19.0	2.7	0.1	0.8	0.03	0.27
19.0-20.0	2.7	0.1	0.9	0.04	0.30
20.0-21.0	2.8	0.1	1.0	0.04	0.34
21.0-22.0	2.9	0.1	1.1	0.04	0.38
22.0-23.0	3.0	0.1	1.2	0.04	0.43
23.0-24.0	3.1	0.1	1.3	0.05	0.48
24.0-25.0	3.1	0.1	1.5	0.05	0.53
25.0-26.0	3.2	0.2	1.6	0.05	0.58
26.0-27.0	3.3	0.2	1.8	0.06	0.64
27.0-28.0	3.3	0.2	2.0	0.06	0.69
28.0-29.0	3.4	0.2	2.1	0.06	0.76
29.0-30.0	3.5	0.2	2.3	0.07	0.82
30.0-31.0	3.5	0.2	2.5	0.07	0.89
31.0-32.0	3.6	0.2	2.7	0.07	0.97
32.0-33.0	3.6	0.2	2.9	0.08	1.04
33.0-34.0	3.7	0.2	3.2	0.08	1.12
34.0-35.0	3.7	0.2	3.4	0.08	1.20
35.0-36.0	3.8	0.2	3.6	0.08	1.29

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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	3.8	0.2	3.9	0.09	1.37
37.0-38.0	3.8	0.3	4.1	0.09	1.46
38.0-39.0	3.8	0.3	4.4	0.09	1.56
39.0-40.0	3.8	0.3	4.7	0.09	1.65
40.0-41.0	3.9	0.3	4.9	0.10	1.75
41.0-42.0	3.9	0.3	5.2	0.10	1.85
42.0-43.0	3.9	0.3	5.5	0.10	1.95
43.0-44.0	3.9	0.3	5.8	0.10	2.05
44.0-45.0	3.9	0.3	6.1	0.11	2.16
45.0-46.0	3.9	0.3	6.4	0.11	2.26
46.0-47.0	3.9	0.3	6.7	0.11	2.37
47.0-48.0	3.9	0.3	7.0	0.11	2.49
48.0-49.0	3.9	0.3	7.4	0.11	2.60
49.0-50.0	3.9	0.3	7.7	0.11	2.71
50.0-51.0	3.9	0.3	8.0	0.12	2.83
51.0-52.0	3.9	0.3	8.3	0.12	2.95
52.0-53.0	3.8	0.3	8.7	0.12	3.06
53.0-54.0	3.8	0.3	9.0	0.12	3.18
54.0-55.0	3.8	0.3	9.3	0.12	3.30
55.0-56.0	3.7	0.3	9.7	0.12	3.42
56.0-57.0	3.7	0.3	10.0	0.12	3.54
57.0-58.0	3.6	0.3	10.4	0.12	3.66
58.0-59.0	3.5	0.3	10.7	0.12	3.78
59.0-60.0	3.5	0.3	11.0	0.12	3.89
60.0-61.0	3.4	0.3	11.3	0.11	4.01
61.0-62.0	3.3	0.3	11.7	0.11	4.12
62.0-63.0	3.2	0.3	12.0	0.11	4.23
63.0-64.0	3.1	0.3	12.3	0.11	4.34
64.0-65.0	3.0	0.3	12.6	0.11	4.44
65.0-66.0	2.9	0.3	12.9	0.10	4.54
66.0-67.0	2.8	0.3	13.1	0.10	4.65
67.0-68.0	2.8	0.3	13.4	0.10	4.74
68.0-69.0	2.7	0.3	13.7	0.10	4.84
69.0-70.0	2.6	0.3	14.0	0.09	4.93
70.0-71.0	2.5	0.3	14.2	0.09	5.03
71.0-72.0	2.4	0.3	14.5	0.09	5.11

C Plane (°):0.0-360.0: 90.0
 Test Lab: Inventfine instruments
 Test Type: TYPE C
 Temperature: 26
 Operator: Carlos

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.684 m [K=1.0000]
 Humidity: 65
 Inspector:

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	2.3	0.2	14.7	0.09	5.20
73.0-74.0	2.3	0.2	15.0	0.08	5.28
74.0-75.0	2.2	0.2	15.2	0.08	5.37
75.0-76.0	2.1	0.2	15.4	0.08	5.44
76.0-77.0	2.0	0.2	15.6	0.08	5.52
77.0-78.0	1.9	0.2	15.8	0.07	5.59
78.0-79.0	1.8	0.2	16.0	0.07	5.66
79.0-80.0	1.8	0.2	16.2	0.07	5.73
80.0-81.0	1.7	0.2	16.4	0.06	5.79
81.0-82.0	1.6	0.2	16.6	0.06	5.85
82.0-83.0	1.6	0.2	16.7	0.06	5.92
83.0-84.0	1.7	0.2	16.9	0.07	5.98
84.0-85.0	2.1	0.2	17.2	0.08	6.06
85.0-86.0	2.7	0.3	17.5	0.11	6.17
86.0-87.0	3.5	0.4	17.9	0.14	6.31
87.0-88.0	4.5	0.5	18.3	0.17	6.48
88.0-89.0	5.6	0.6	19.0	0.22	6.70
89.0-90.0	7.0	0.8	19.7	0.27	6.97
90.0-91.0	8.7	1.0	20.7	0.34	7.31
91.0-92.0	10.6	1.2	21.8	0.41	7.71
92.0-93.0	12.6	1.4	23.2	0.49	8.20
93.0-94.0	14.7	1.6	24.8	0.57	8.77
94.0-95.0	16.8	1.8	26.7	0.65	9.42
95.0-96.0	19.1	2.1	28.7	0.74	10.15
96.0-97.0	21.3	2.3	31.1	0.82	10.97
97.0-98.0	23.5	2.6	33.6	0.90	11.88
98.0-99.0	25.8	2.8	36.4	0.99	12.86
99.0-100.0	28.0	3.0	39.4	1.07	13.93
100.0-101.0	30.3	3.3	42.7	1.15	15.09
101.0-102.0	32.5	3.5	46.2	1.24	16.32
102.0-103.0	34.8	3.7	49.9	1.32	17.64
103.0-104.0	37.3	4.0	53.9	1.40	19.04
104.0-105.0	39.9	4.2	58.1	1.50	20.54
105.0-106.0	42.5	4.5	62.6	1.59	22.13
106.0-107.0	44.8	4.7	67.3	1.66	23.79
107.0-108.0	46.9	4.9	72.3	1.73	25.53

C Plane (°):0.0-360.0: 90.0
 Test Lab: Inventfine instruments
 Test Type: TYPE C
 Temperature: 26
 Operator: Carlos

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.684 m [K=1.0000]
 Humidity: 65
 Inspector:

Zonal Lumen (Continue 3)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	49.1	5.1	77.4	1.80	27.33
109.0-110.0	51.2	5.3	82.7	1.87	29.20
110.0-111.0	53.2	5.5	88.1	1.93	31.13
111.0-112.0	54.9	5.6	93.7	1.98	33.11
112.0-113.0	56.4	5.7	99.4	2.02	35.13
113.0-114.0	57.8	5.8	105.2	2.05	37.18
114.0-115.0	58.9	5.9	111.1	2.08	39.26
115.0-116.0	59.7	5.9	117.0	2.09	41.35
116.0-117.0	60.3	5.9	123.0	2.09	43.44
117.0-118.0	60.7	5.9	128.9	2.09	45.52
118.0-119.0	61.1	5.9	134.7	2.08	47.60
119.0-120.0	61.4	5.9	140.6	2.07	49.67
120.0-121.0	61.6	5.8	146.4	2.06	51.73
121.0-122.0	61.7	5.8	152.2	2.04	53.77
122.0-123.0	61.6	5.7	157.9	2.01	55.78
123.0-124.0	61.4	5.6	163.5	1.98	57.76
124.0-125.0	61.1	5.5	169.0	1.95	59.71
125.0-126.0	60.7	5.4	174.4	1.92	61.63
126.0-127.0	60.3	5.3	179.8	1.88	63.51
127.0-128.0	59.9	5.2	185.0	1.84	65.35
128.0-129.0	59.4	5.1	190.1	1.80	67.15
129.0-130.0	58.9	5.0	195.1	1.76	68.91
130.0-131.0	58.4	4.9	199.9	1.72	70.63
131.0-132.0	57.8	4.7	204.7	1.68	72.30
132.0-133.0	57.2	4.6	209.3	1.63	73.94
133.0-134.0	56.6	4.5	213.8	1.59	75.53
134.0-135.0	55.9	4.4	218.2	1.55	77.07
135.0-136.0	55.2	4.2	222.4	1.50	78.57
136.0-137.0	54.5	4.1	226.5	1.45	80.03
137.0-138.0	53.7	4.0	230.5	1.40	81.43
138.0-139.0	52.8	3.8	234.3	1.36	82.79
139.0-140.0	51.8	3.7	238.0	1.30	84.09
140.0-141.0	50.7	3.5	241.6	1.25	85.34
141.0-142.0	49.7	3.4	245.0	1.20	86.54
142.0-143.0	48.5	3.2	248.2	1.14	87.68
143.0-144.0	47.3	3.1	251.3	1.09	88.77

C Plane (°):0.0-360.0: 90.0
 Test Lab: Inventfine instruments
 Test Type: TYPE C
 Temperature: 26
 Operator: Carlos

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.684 m [K=1.0000]
 Humidity: 65
 Inspector:

Zonal Lumen (Continue 4)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	45.9	2.9	254.2	1.03	89.80
145.0-146.0	44.5	2.8	257.0	0.98	90.78
146.0-147.0	43.0	2.6	259.6	0.92	91.70
147.0-148.0	41.5	2.4	262.0	0.86	92.57
148.0-149.0	39.9	2.3	264.3	0.81	93.37
149.0-150.0	38.3	2.1	266.4	0.75	94.13
150.0-151.0	36.5	2.0	268.4	0.70	94.82
151.0-152.0	34.7	1.8	270.2	0.64	95.46
152.0-153.0	32.9	1.7	271.9	0.59	96.05
153.0-154.0	31.1	1.5	273.4	0.54	96.59
154.0-155.0	29.2	1.4	274.8	0.49	97.08
155.0-156.0	27.2	1.2	276.0	0.44	97.51
156.0-157.0	25.3	1.1	277.1	0.39	97.91
157.0-158.0	23.4	1.0	278.1	0.35	98.25
158.0-159.0	21.5	0.9	279.0	0.30	98.56
159.0-160.0	19.6	0.8	279.7	0.27	98.82
160.0-161.0	17.7	0.6	280.4	0.23	99.05
161.0-162.0	15.9	0.6	280.9	0.20	99.25
162.0-163.0	14.1	0.5	281.4	0.16	99.41
163.0-164.0	12.5	0.4	281.8	0.14	99.55
164.0-165.0	10.9	0.3	282.1	0.11	99.66
165.0-166.0	9.4	0.3	282.4	0.09	99.75
166.0-167.0	8.0	0.2	282.6	0.07	99.83
167.0-168.0	6.7	0.2	282.7	0.06	99.88
168.0-169.0	5.5	0.1	282.9	0.04	99.93
169.0-170.0	4.4	0.1	282.9	0.03	99.96
170.0-171.0	3.3	0.1	283.0	0.02	99.98
171.0-172.0	2.1	0.0	283.0	0.01	99.99
172.0-173.0	0.9	0.0	283.0	0.00	99.99
173.0-174.0	0.6	0.0	283.1	0.00	100.00
174.0-175.0	0.5	0.0	283.1	0.00	100.00
175.0-176.0	0.3	0.0	283.1	0.00	100.00
176.0-177.0	0.2	0.0	283.1	0.00	100.00
177.0-178.0	0.1	0.0	283.1	0.00	100.00
178.0-179.0	0.1	0.0	283.1	0.00	100.00
179.0-180.0	0.1	0.0	283.1	0.00	100.00

C Plane (°):0.0-360.0: 90.0
 Test Lab: Inventfine instruments
 Test Type: TYPE C
 Temperature: 26
 Operator: Carlos

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.684 m [K=1.0000]
 Humidity: 65
 Inspector:

Zonal Lumen (Continue 5)

cone flux(90°): 6.11 lm

%lum = 2.2%

%lamp = 2.2%

cone flux(120°): 11.02 lm

%lum = 3.9%

%lamp = 3.9%

Candlepower Table

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G0.0	1.3	1.3	1.3	1.3	1.3					
G1.0	1.3	1.4	1.4	1.3	1.3					
G2.0	1.2	1.5	1.5	1.2	1.2					
G3.0	1.3	1.6	1.6	1.3	1.3					
G4.0	1.3	1.7	1.7	1.3	1.3					
G5.0	1.4	1.8	1.8	1.3	1.4					
G6.0	1.4	1.9	1.9	1.4	1.4					
G7.0	1.5	2.0	2.0	1.5	1.5					
G8.0	1.6	2.1	2.0	1.7	1.6					
G9.0	1.7	2.2	2.1	1.8	1.7					
G10.0	1.8	2.3	2.2	1.8	1.8					
G11.0	1.9	2.3	2.3	1.9	1.9					
G12.0	2.0	2.4	2.4	2.0	2.0					
G13.0	2.0	2.5	2.5	2.0	2.0					
G14.0	2.1	2.5	2.6	2.1	2.1					
G15.0	2.2	2.6	2.7	2.2	2.2					
G16.0	2.2	2.7	2.7	2.3	2.2					
G17.0	2.3	2.8	2.8	2.4	2.3					
G18.0	2.4	2.8	2.9	2.5	2.4					
G19.0	2.4	2.9	3.0	2.5	2.4					
G20.0	2.5	3.0	3.1	2.6	2.5					
G21.0	2.6	3.1	3.2	2.7	2.6					
G22.0	2.7	3.1	3.2	2.8	2.7					
G23.0	2.7	3.2	3.3	2.9	2.7					
G24.0	2.8	3.3	3.4	2.9	2.8					
G25.0	2.9	3.3	3.4	3.0	2.9					
G26.0	2.9	3.4	3.5	3.1	2.9					
G27.0	3.0	3.5	3.6	3.2	3.0					
G28.0	3.1	3.5	3.6	3.2	3.1					
G29.0	3.2	3.6	3.7	3.3	3.2					
G30.0	3.2	3.6	3.7	3.4	3.2					
G31.0	3.3	3.7	3.8	3.4	3.3					
G32.0	3.4	3.8	3.8	3.5	3.4					
G33.0	3.4	3.8	3.8	3.6	3.4					
G34.0	3.5	3.9	3.9	3.6	3.5					
G35.0	3.5	3.9	3.9	3.6	3.5					
G36.0	3.6	3.9	3.9	3.7	3.6					

C Plane (°):0.0-360.0: 90.0
 Test Lab: Inventfine instruments
 Test Type: TYPE C
 Temperature: 26
 Operator: Carlos

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.684 m [K=1.0000]
 Humidity: 65
 Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G37.0	3.6	4.0	3.9	3.7	3.6					
G38.0	3.7	4.0	3.9	3.7	3.7					
G39.0	3.7	4.0	3.9	3.8	3.7					
G40.0	3.7	4.0	3.9	3.8	3.7					
G41.0	3.8	4.0	3.9	3.8	3.8					
G42.0	3.8	4.0	3.9	3.8	3.8					
G43.0	3.8	4.0	3.9	3.8	3.8					
G44.0	3.8	4.0	3.9	3.8	3.8					
G45.0	3.8	4.0	3.9	3.8	3.8					
G46.0	3.9	4.0	3.9	3.8	3.9					
G47.0	3.9	4.0	3.8	3.8	3.9					
G48.0	3.9	4.0	3.8	3.8	3.9					
G49.0	3.9	4.0	3.8	3.8	3.9					
G50.0	3.9	4.0	3.8	3.8	3.9					
G51.0	3.9	4.0	3.8	3.8	3.9					
G52.0	4.0	4.0	3.7	3.8	4.0					
G53.0	3.9	4.0	3.7	3.8	3.9					
G54.0	3.9	3.9	3.6	3.7	3.9					
G55.0	3.9	3.8	3.6	3.7	3.9					
G56.0	3.9	3.7	3.5	3.7	3.9					
G57.0	3.9	3.6	3.4	3.7	3.9					
G58.0	3.8	3.5	3.3	3.6	3.8					
G59.0	3.8	3.4	3.2	3.6	3.8					
G60.0	3.7	3.3	3.1	3.5	3.7					
G61.0	3.6	3.2	3.0	3.5	3.6					
G62.0	3.5	3.1	3.0	3.4	3.5					
G63.0	3.4	3.0	2.9	3.3	3.4					
G64.0	3.3	3.0	2.8	3.2	3.3					
G65.0	3.2	2.9	2.7	3.1	3.2					
G66.0	3.1	2.8	2.6	3.0	3.1					
G67.0	3.1	2.7	2.5	2.9	3.1					
G68.0	3.0	2.6	2.5	2.8	3.0					
G69.0	2.9	2.5	2.4	2.7	2.9					
G70.0	2.8	2.4	2.3	2.7	2.8					
G71.0	2.7	2.4	2.2	2.6	2.7					
G72.0	2.6	2.3	2.1	2.5	2.6					
G73.0	2.5	2.2	2.1	2.4	2.5					

C Plane (°):0.0-360.0: 90.0
 Test Lab: Inventfine instruments
 Test Type: TYPE C
 Temperature: 26
 Operator: Carlos

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.684 m [K=1.0000]
 Humidity: 65
 Inspector:

Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G74.0	2.5	2.1	2.0	2.3	2.5					
G75.0	2.4	2.0	1.9	2.3	2.4					
G76.0	2.3	1.9	1.8	2.2	2.3					
G77.0	2.2	1.8	1.7	2.1	2.2					
G78.0	2.1	1.7	1.7	2.0	2.1					
G79.0	2.0	1.6	1.6	1.9	2.0					
G80.0	1.9	1.5	1.5	1.9	1.9					
G81.0	1.9	1.5	1.4	1.8	1.9					
G82.0	1.8	1.4	1.4	1.7	1.8					
G83.0	1.7	1.8	1.6	1.6	1.7					
G84.0	1.6	2.2	1.9	1.5	1.6					
G85.0	1.5	3.5	3.1	1.5	1.5					
G86.0	1.4	5.0	4.6	1.4	1.4					
G87.0	1.4	6.8	6.3	1.4	1.4					
G88.0	1.6	8.7	8.1	1.5	1.6					
G89.0	1.9	11.0	10.0	1.9	1.9					
G90.0	3.0	13.2	12.3	2.8	3.0					
G91.0	4.4	15.4	14.3	4.2	4.4					
G92.0	6.3	17.6	16.5	5.7	6.3					
G93.0	8.2	19.9	18.9	7.5	8.2					
G94.0	10.2	22.1	21.1	9.5	10.2					
G95.0	12.5	24.6	23.3	11.5	12.5					
G96.0	14.7	26.8	25.6	13.6	14.7					
G97.0	16.9	29.1	27.8	15.7	16.9					
G98.0	19.1	31.4	30.2	18.0	19.1					
G99.0	21.3	33.7	32.4	20.2	21.3					
G100.0	23.5	36.0	34.5	22.4	23.5					
G101.0	26.0	38.2	36.8	24.9	26.0					
G102.0	28.3	40.4	38.8	27.1	28.3					
G103.0	30.5	42.8	41.2	29.3	30.5					
G104.0	32.7	46.2	44.2	31.4	32.7					
G105.0	34.9	49.1	47.5	33.6	34.9					
G106.0	37.1	51.7	50.1	35.9	37.1					
G107.0	39.1	54.0	52.4	37.9	39.1					
G108.0	41.5	55.9	54.7	40.0	41.5					
G109.0	44.5	57.3	56.2	42.7	44.5					
G110.0	47.4	58.5	57.1	46.0	47.4					

C Plane (°):0.0-360.0: 90.0
 Test Lab: Inventfine instruments
 Test Type: TYPE C
 Temperature: 26
 Operator: Carlos

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.684 m [K=1.0000]
 Humidity: 65
 Inspector:

Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G111.0	50.1	59.5	57.9	48.8	50.1					
G112.0	52.6	60.2	58.4	51.4	52.6					
G113.0	54.8	60.8	59.3	53.7	54.8					
G114.0	56.3	61.8	60.2	55.6	56.3					
G115.0	57.5	62.6	60.9	56.6	57.5					
G116.0	58.4	63.2	61.3	57.3	58.4					
G117.0	59.2	63.5	61.5	58.0	59.2					
G118.0	59.8	63.5	61.5	58.8	59.8					
G119.0	60.7	63.4	61.3	59.7	60.7					
G120.0	61.6	63.1	61.0	60.5	61.6					
G121.0	62.2	62.8	60.7	61.0	62.2					
G122.0	62.6	62.4	60.3	61.3	62.6					
G123.0	62.8	62.0	59.9	61.4	62.8					
G124.0	62.7	61.6	59.4	61.3	62.7					
G125.0	62.5	61.1	58.9	61.1	62.5					
G126.0	62.3	60.6	58.5	60.8	62.3					
G127.0	62.0	60.0	58.0	60.4	62.0					
G128.0	61.6	59.5	57.4	60.0	61.6					
G129.0	61.1	59.0	57.0	59.6	61.1					
G130.0	60.6	58.4	56.4	59.1	60.6					
G131.0	60.1	57.8	55.8	58.6	60.1					
G132.0	59.7	57.1	55.2	58.1	59.7					
G133.0	59.1	56.4	54.5	57.7	59.1					
G134.0	58.6	55.6	53.8	57.1	58.6					
G135.0	58.0	54.8	52.9	56.6	58.0					
G136.0	57.4	53.9	52.1	56.0	57.4					
G137.0	56.8	53.0	51.1	55.4	56.8					
G138.0	56.2	51.9	50.1	54.8	56.2					
G139.0	55.5	50.8	49.0	54.1	55.5					
G140.0	54.7	49.4	47.7	53.3	54.7					
G141.0	53.8	48.2	46.4	52.5	53.8					
G142.0	52.9	46.8	45.1	51.6	52.9					
G143.0	52.0	45.4	43.7	50.6	52.0					
G144.0	50.9	43.9	42.2	49.4	50.9					
G145.0	49.8	42.3	40.6	48.3	49.8					
G146.0	48.5	40.7	39.1	47.1	48.5					
G147.0	47.1	38.9	37.3	45.8	47.1					

C Plane (°):0.0-360.0: 90.0
 Test Lab: Inventfine instruments
 Test Type: TYPE C
 Temperature: 26
 Operator: Carlos

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.684 m [K=1.0000]
 Humidity: 65
 Inspector:

Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G148.0	45.8	37.1	35.6	44.3	45.8					
G149.0	44.5	35.3	33.8	42.9	44.5					
G150.0	42.8	33.5	32.0	41.4	42.8					
G151.0	41.2	31.6	30.0	39.7	41.2					
G152.0	39.5	29.6	28.1	38.1	39.5					
G153.0	37.9	27.7	26.2	36.4	37.9					
G154.0	36.2	25.7	24.3	34.5	36.2					
G155.0	34.2	23.6	22.1	32.7	34.2					
G156.0	32.4	21.6	20.2	30.9	32.4					
G157.0	30.5	19.7	18.3	29.0	30.5					
G158.0	28.5	17.8	16.5	26.9	28.5					
G159.0	26.6	16.0	14.4	25.0	26.6					
G160.0	24.6	14.1	12.7	23.1	24.6					
G161.0	22.7	12.4	11.1	21.2	22.7					
G162.0	20.6	10.7	9.6	19.1	20.6					
G163.0	18.7	9.1	8.2	17.2	18.7					
G164.0	16.8	7.6	6.9	15.3	16.8					
G165.0	14.9	6.4	5.7	13.5	14.9					
G166.0	13.1	5.2	4.7	11.8	13.1					
G167.0	11.4	4.0	3.7	10.2	11.4					
G168.0	9.8	3.1	2.8	8.7	9.8					
G169.0	8.2	2.3	2.1	7.4	8.2					
G170.0	6.7	1.6	1.1	6.0	6.7					
G171.0	4.8	1.0	0.7	4.3	4.8					
G172.0	2.3	0.5	0.4	2.6	2.3					
G173.0	0.9	0.2	0.3	0.5	0.9					
G174.0	1.1	0.2	0.2	1.1	1.1					
G175.0	0.8	0.1	0.1	0.5	0.8					
G176.0	0.3	0.1	0.1	0.2	0.3					
G177.0	0.3	0.1	0.2	0.1	0.3					
G178.0	0.1	0.1	0.0	0.1	0.1					
G179.0	0.1	0.1	0.1	0.1	0.1					
G180.0	0.1	0.1	0.1	0.1	0.1					

C Plane (°):0.0-360.0: 90.0
 Test Lab: Inventfine instruments
 Test Type: TYPE C
 Temperature: 26
 Operator: Carlos

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.684 m [K=1.0000]
 Humidity: 65
 Inspector: