

Report No.: TH-5072A

Test Time: 2024/10/12 14:04

## Luminaire Property

Luminaire Manufacturer:  
Luminaire Category:  
Lamp Catalog:  
Number of Lamps:  
Luminous Length (mm):  
Luminous Height (mm):  
Current: 0.040 A  
Power Factor: 0.457

Luminaire Description: 四方2面发光款 白  
Lamp Description:  
Lumens per Lamp:  
Luminous Width (mm):  
Voltage: 220.4 V  
Power: 4.05 W

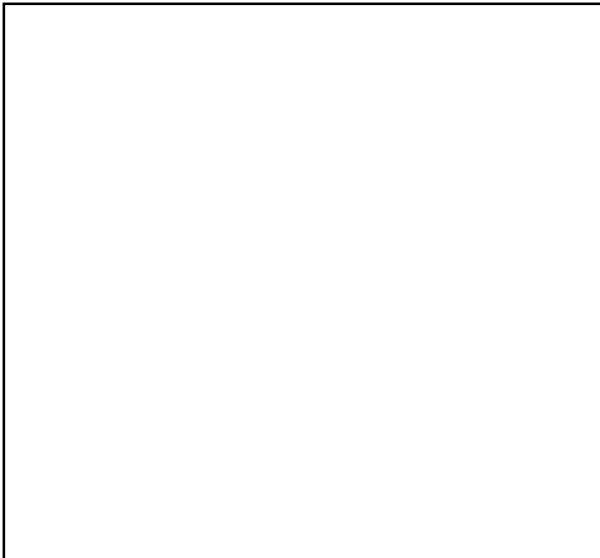
## Photometric Results

CIE Class: General Diffuse  
Measurement Flux: 217.8 lm  
Downward Ratio: 50%  
Horizontal Diffuse Angle(50%): H89.7  
Vertical Diffuse Angle(50%): V48.7  
Luminaire Efficacy Rating (LER): 53.82  
Max. Intensity: 64.49 cd  
S/MH(C0/C180): 1.40

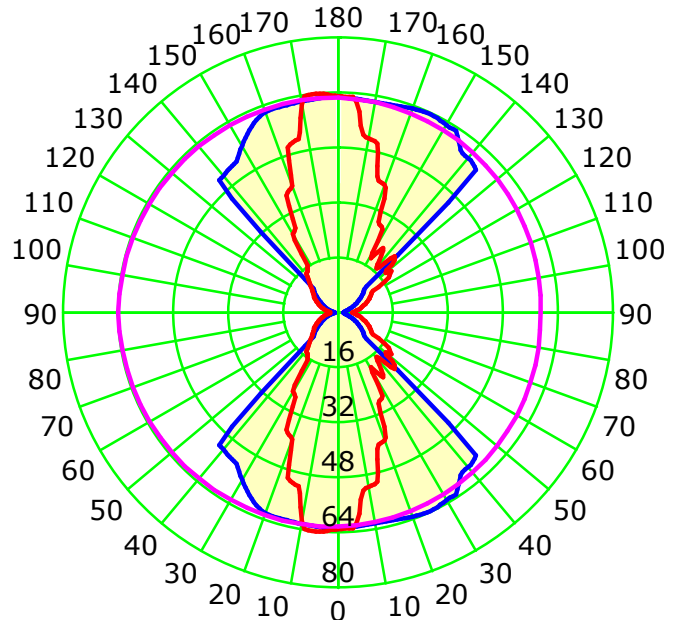
Total Rated Lamp Lumens: 217.8 lm  
Efficiency: 100%  
Upward Ratio: 50%

C0r0 Intensity: 63.39 cd  
Pos of Max. Intensity: H270 V6  
S/MH(C90/C270): 0.77

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

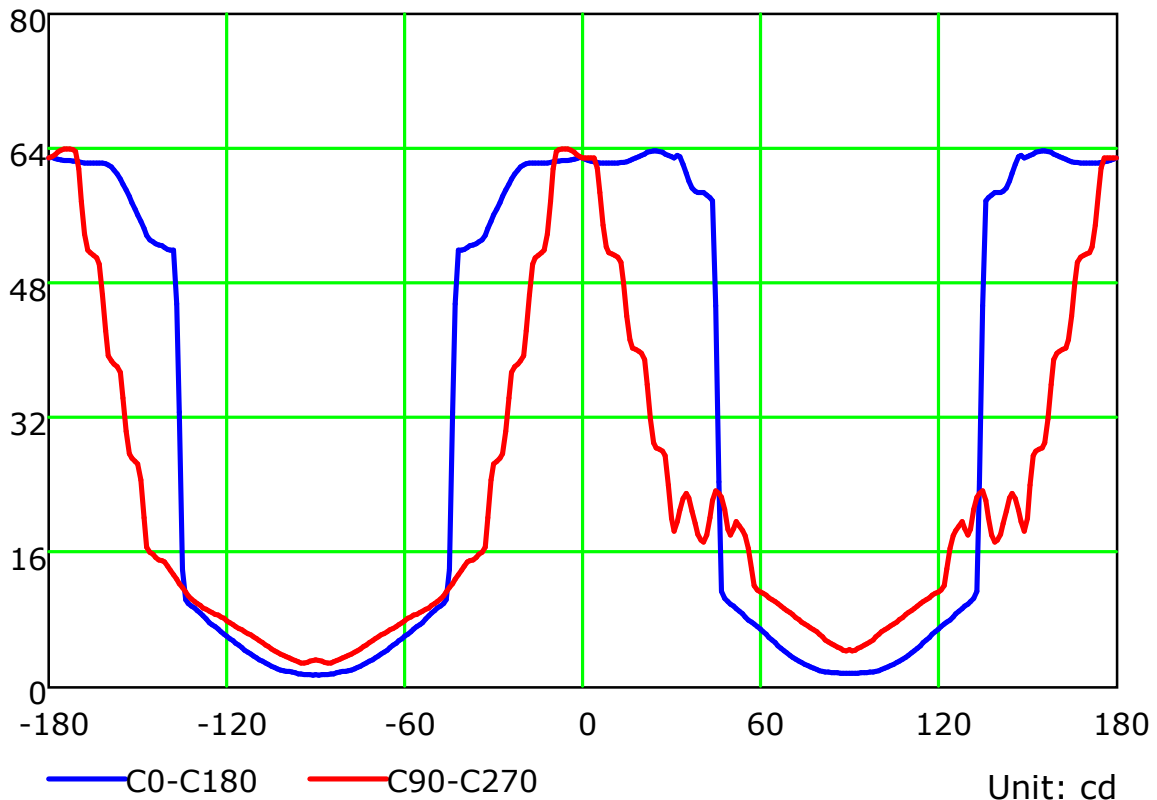
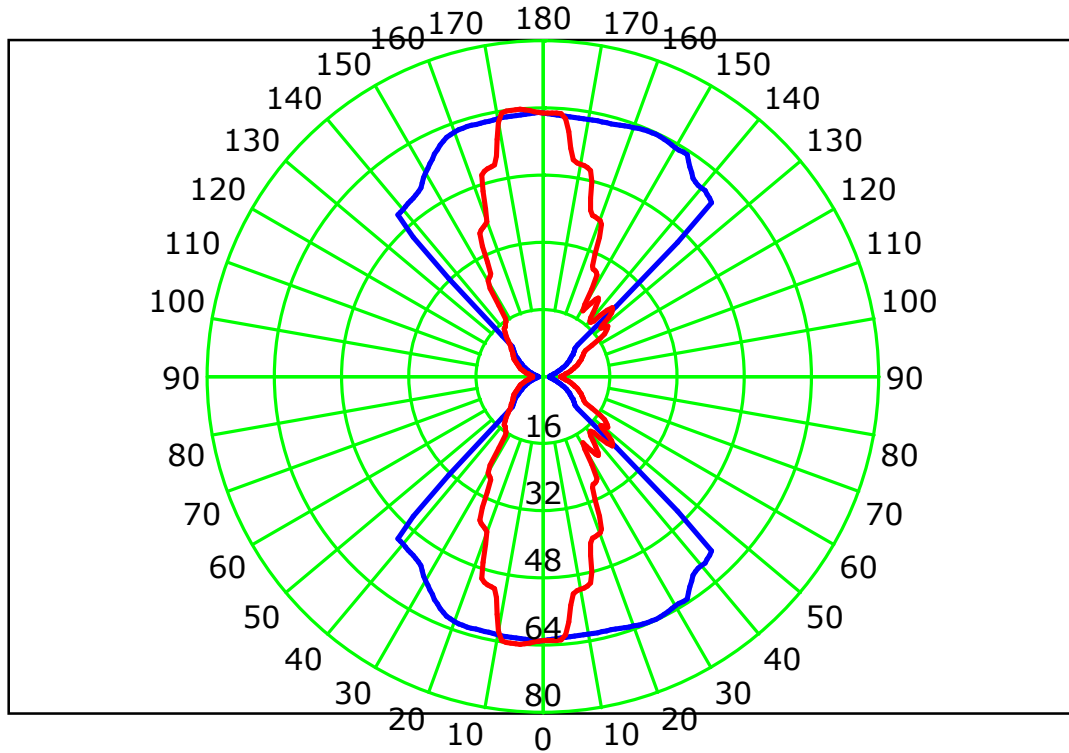
Average Diffuse Angle(50%): 69.1°

— C0-C180 — C90-C270 — G6

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

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

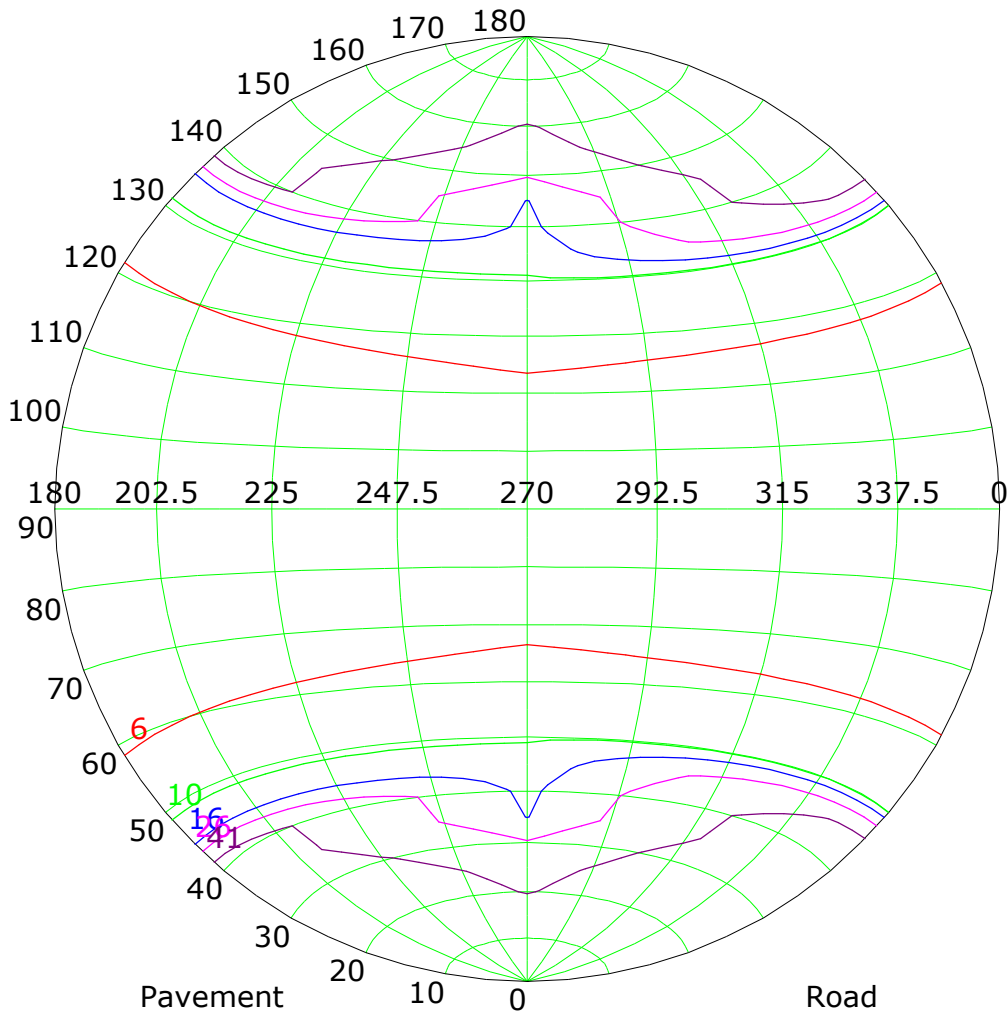


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Unit: cd

## Isocandela (sphere)



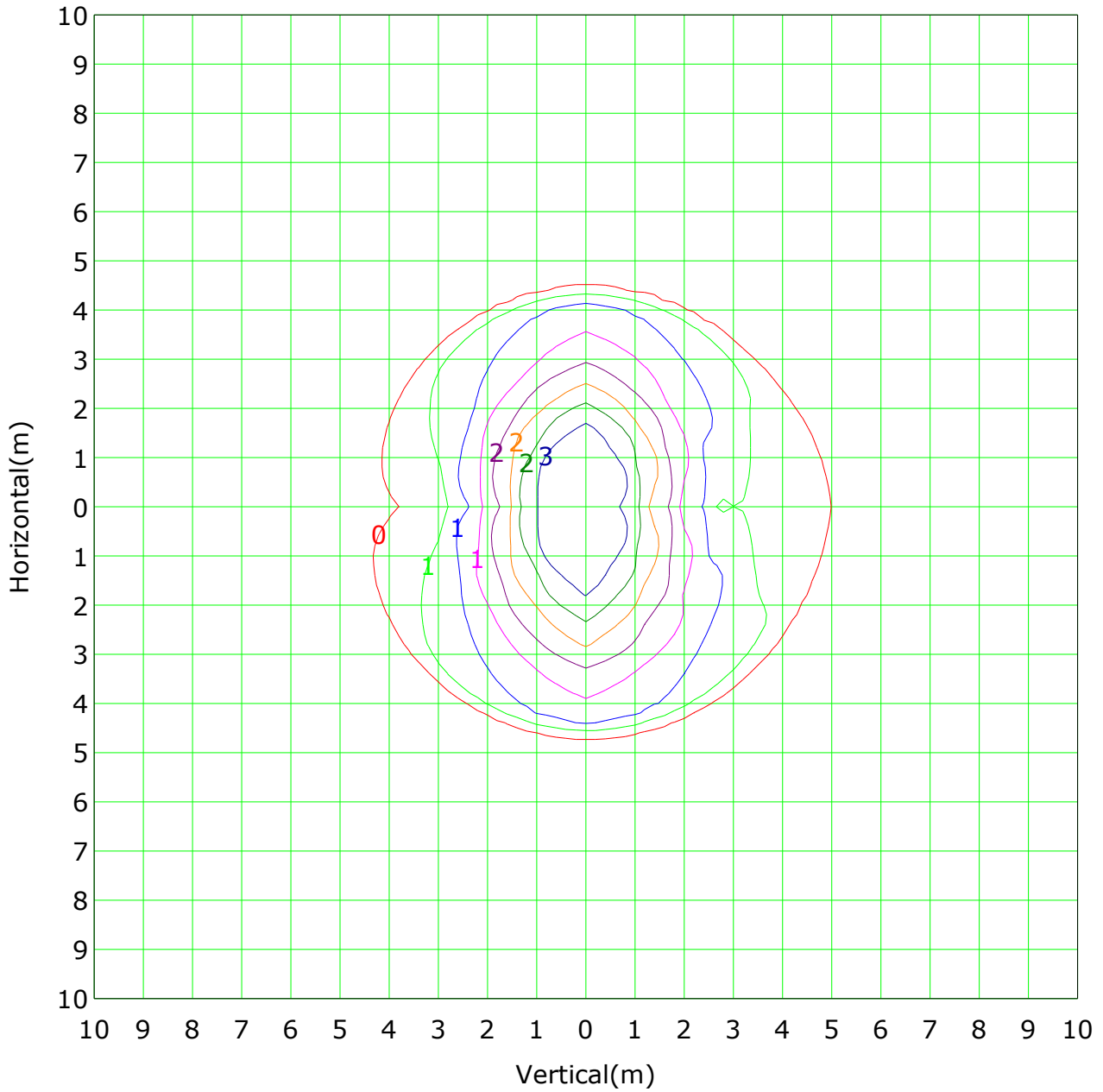
Imax (100%): 64 cd

— ( 10%):	6 cd	— ( 16%):	10 cd
— ( 25%):	16 cd	— ( 40%):	26 cd
— ( 63%):	41 cd	— (100%):	64 cd

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## IsoLux Plot



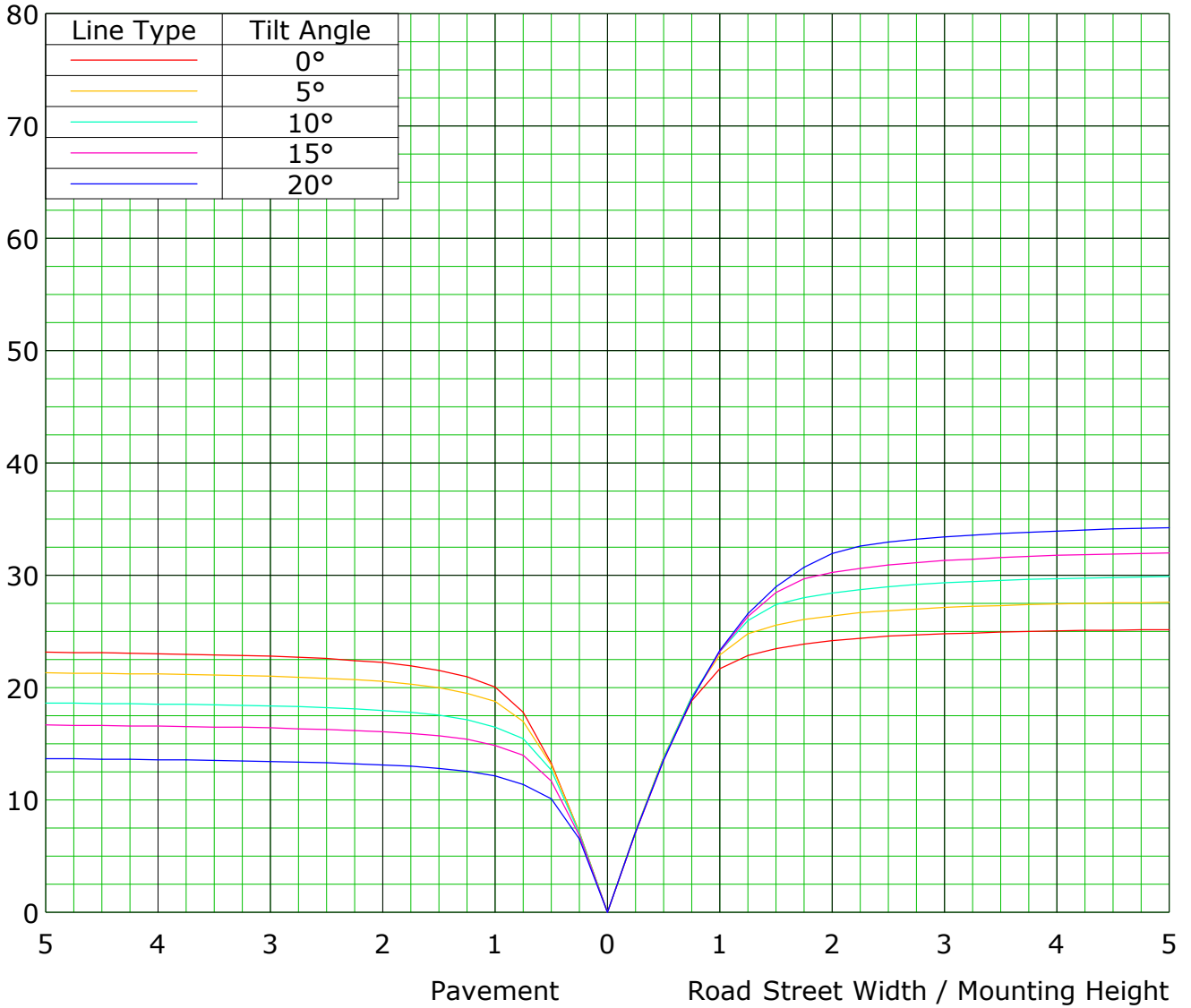
Mounting Height: 4.5m		Max Lux(100%): 3.2 lx	
— ( 10%):	0.3 lx	— ( 20%):	0.6 lx
— ( 30%):	0.9 lx	— ( 40%):	1.3 lx
— ( 50%):	1.6 lx	— ( 60%):	1.9 lx
— ( 70%):	2.2 lx	— ( 80%):	2.5 lx

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## Roadway CU Curve

Efficiency(%)



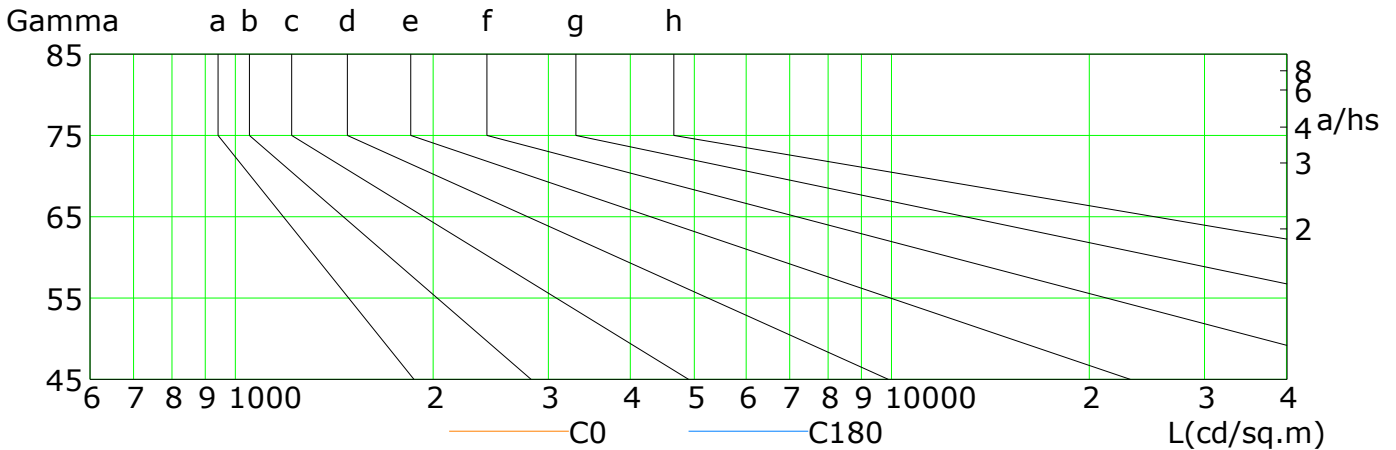
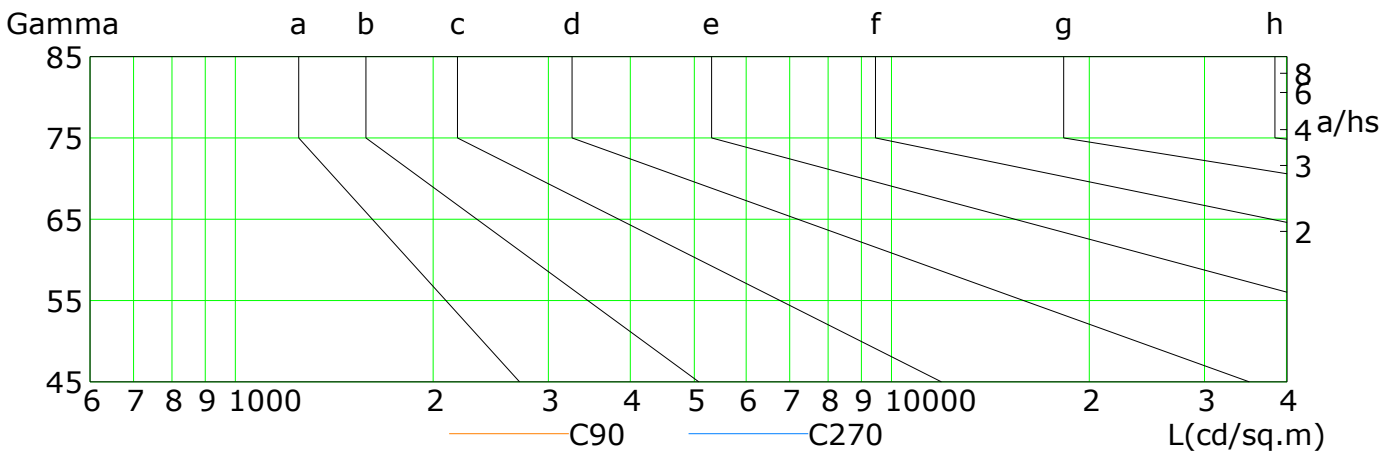
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 Test Type: TYPE C  
 Temperature: 26  
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## Lum Limit Curve

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

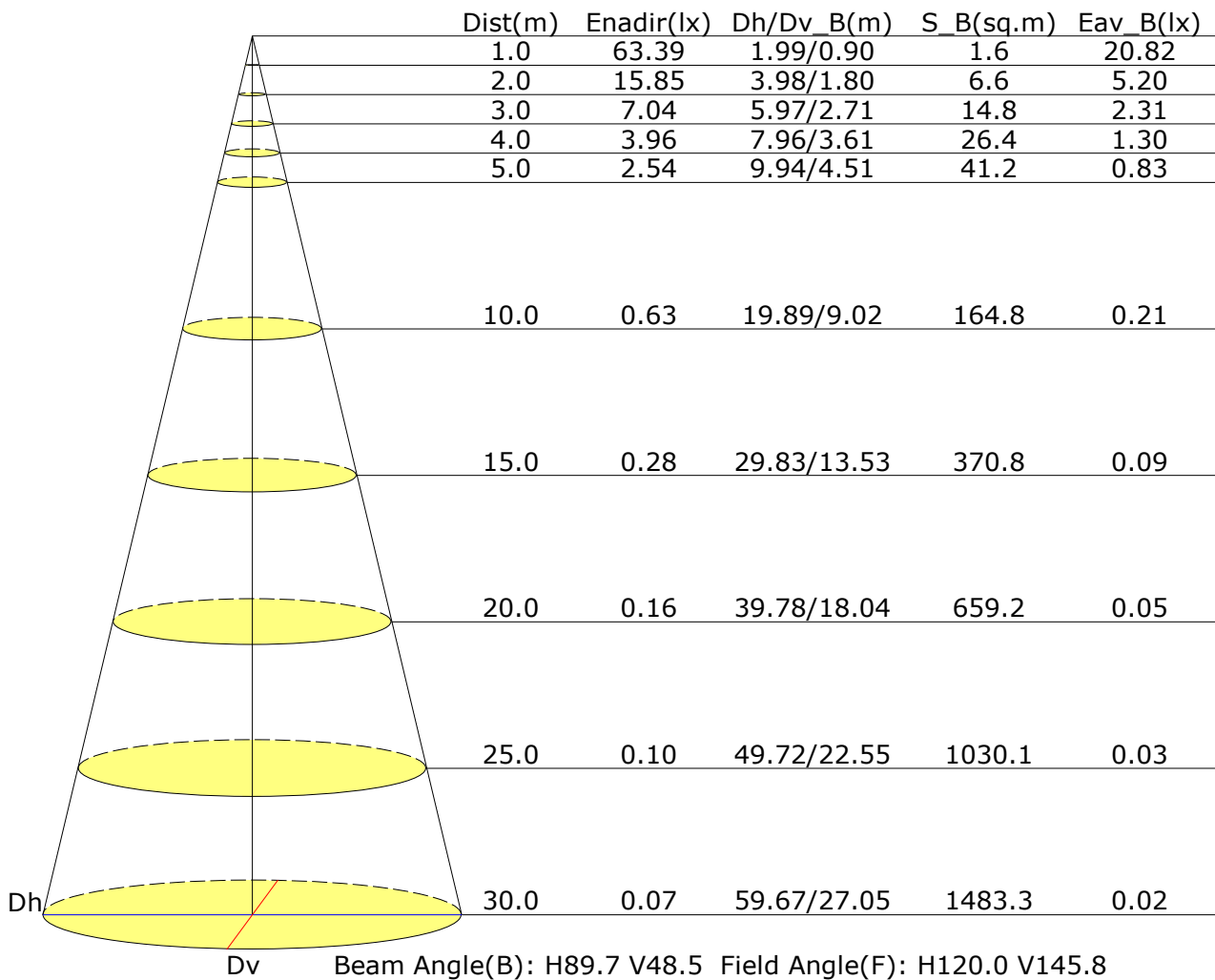


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	46	10	8	7	5	4	3	2	2
C90	23	18	18	11	10	9	7	6	5
C180	14	9	7	6	5	3	2	2	1
C270	12	10	9	8	7	6	5	4	3

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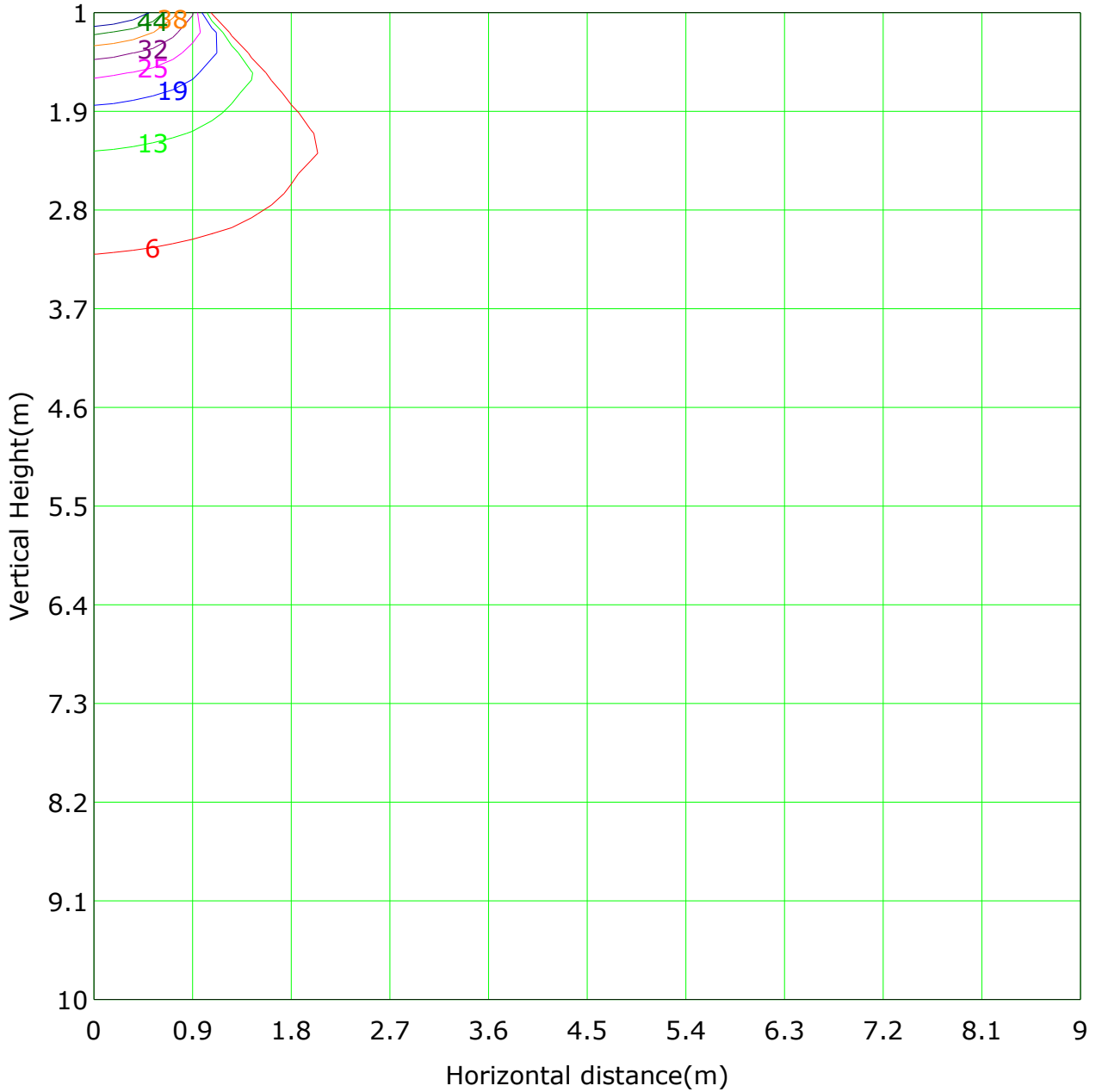
## Illuminance at a Distance



C Plane (°):0.0-360.0: 90.0  
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## Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 10.0m	Max Lux: 63.4 lx
— ( 10%): 6.3 lx	— ( 20%): 12.7 lx	
— ( 30%): 19.0 lx	— ( 40%): 25.4 lx	
— ( 50%): 31.7 lx	— ( 60%): 38.0 lx	
— ( 70%): 44.4 lx	— ( 80%): 50.7 lx	

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### Area Flux Table

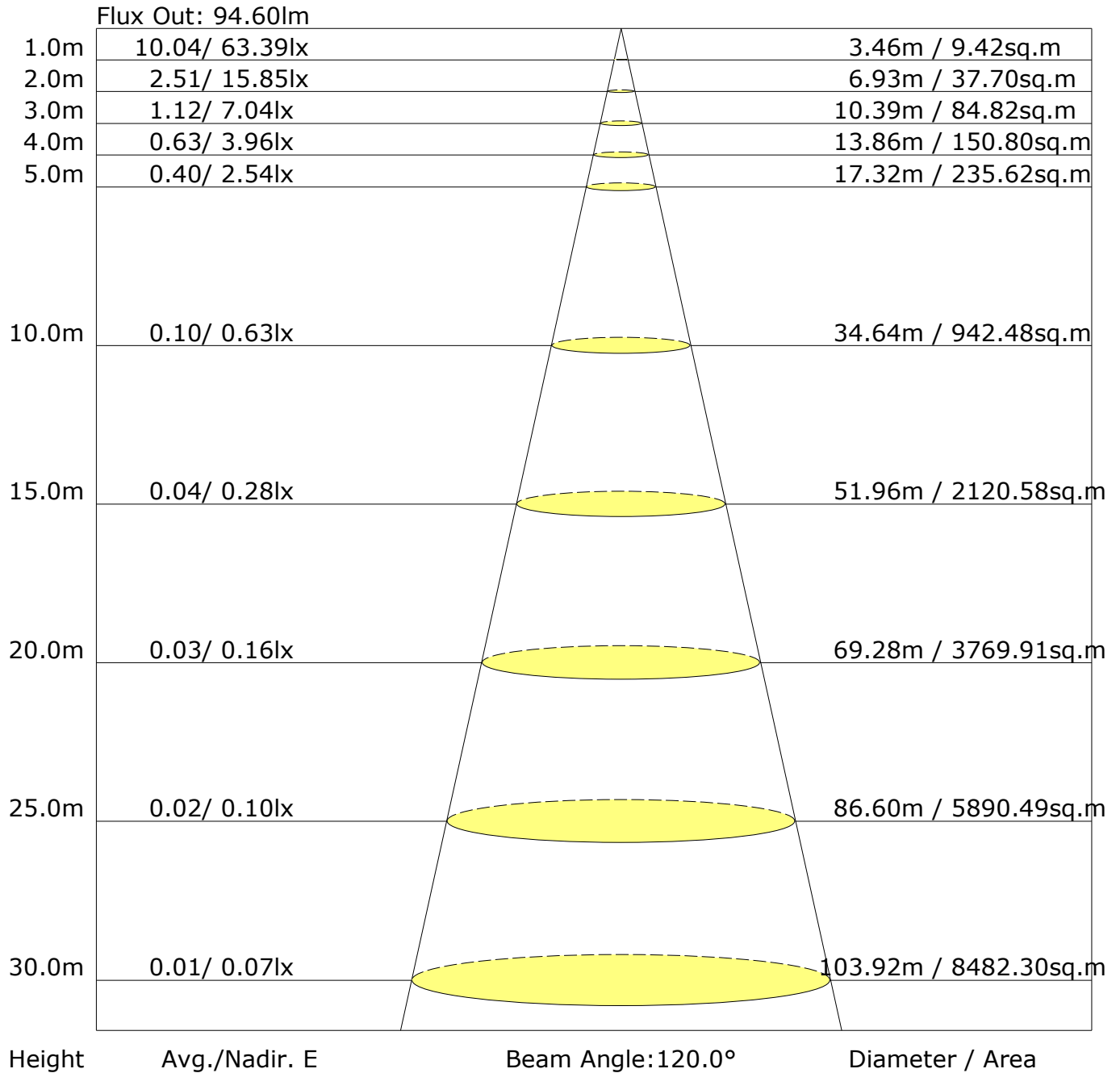
Unit: lm

		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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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
	-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	0.3	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	0.8	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	0.8	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	1.7	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	3.1	0.0
	-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	8.0	0.0
	-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	10.7	0.0
	-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	12.3	0.0
	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5	0.0
	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	12.7	0.0
	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	12.8	0.0
	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	11.8	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	9.3	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	4.1	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	1.1	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	0.1	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	0.0	0.3
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	0.0	0.1	0.0
																					109	99

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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										
S=1.5H										
S=2.0H										

Calculate in accordance with CIE Pub.117. The table is revised with  $218lm$  ( $8\log(F/F_0) = -5.3$ ).

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## 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	63.4	0.1	0.1	0.03	0.03
1.0-2.0	63.4	0.2	0.2	0.08	0.11
2.0-3.0	63.4	0.3	0.5	0.14	0.25
3.0-4.0	63.4	0.4	1.0	0.19	0.45
4.0-5.0	63.3	0.5	1.5	0.25	0.70
5.0-6.0	62.8	0.7	2.2	0.30	1.00
6.0-7.0	61.9	0.8	2.9	0.35	1.35
7.0-8.0	61.0	0.9	3.8	0.40	1.75
8.0-9.0	60.6	1.0	4.8	0.45	2.20
9.0-10.0	60.2	1.1	5.9	0.50	2.70
10.0-11.0	59.4	1.2	7.1	0.54	3.25
11.0-12.0	58.3	1.3	8.4	0.59	3.83
12.0-13.0	57.5	1.4	9.7	0.63	4.46
13.0-14.0	56.8	1.5	11.2	0.67	5.13
14.0-15.0	56.0	1.5	12.7	0.71	5.83
15.0-16.0	55.1	1.6	14.3	0.74	6.58
16.0-17.0	54.5	1.7	16.0	0.78	7.36
17.0-18.0	53.8	1.8	17.8	0.82	8.17
18.0-19.0	52.8	1.8	19.6	0.84	9.01
19.0-20.0	51.9	1.9	21.5	0.87	9.89
20.0-21.0	51.3	2.0	23.5	0.90	10.79
21.0-22.0	50.6	2.0	25.5	0.93	11.73
22.0-23.0	49.6	2.1	27.6	0.96	12.68
23.0-24.0	48.5	2.1	29.7	0.97	13.65
24.0-25.0	47.4	2.2	31.9	0.99	14.65
25.0-26.0	46.3	2.2	34.1	1.00	15.65
26.0-27.0	45.2	2.2	36.3	1.02	16.66
27.0-28.0	44.5	2.3	38.5	1.03	17.70
28.0-29.0	43.6	2.3	40.8	1.05	18.75
29.0-30.0	42.4	2.3	43.1	1.05	19.80
30.0-31.0	41.2	2.3	45.4	1.05	20.85
31.0-32.0	40.1	2.3	47.7	1.06	21.91
32.0-33.0	39.3	2.3	50.0	1.06	22.97
33.0-34.0	38.8	2.3	52.4	1.08	24.05
34.0-35.0	38.6	2.4	54.8	1.10	25.15
35.0-36.0	38.2	2.4	57.2	1.12	26.26

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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	37.6	2.5	59.6	1.13	27.39
37.0-38.0	37.0	2.5	62.1	1.13	28.52
38.0-39.0	36.5	2.5	64.6	1.14	29.67
39.0-40.0	36.1	2.5	67.1	1.16	30.82
40.0-41.0	35.8	2.5	69.7	1.17	31.99
41.0-42.0	35.7	2.6	72.3	1.19	33.18
42.0-43.0	35.0	2.6	74.9	1.19	34.37
43.0-44.0	32.9	2.5	77.3	1.14	35.52
44.0-45.0	27.6	2.1	79.5	0.97	36.49
45.0-46.0	20.5	1.6	81.1	0.74	37.23
46.0-47.0	15.5	1.2	82.3	0.57	37.79
47.0-48.0	13.3	1.1	83.4	0.50	38.29
48.0-49.0	12.6	1.0	84.4	0.47	38.76
49.0-50.0	12.0	1.0	85.4	0.46	39.22
50.0-51.0	11.8	1.0	86.4	0.46	39.68
51.0-52.0	11.8	1.0	87.4	0.46	40.14
52.0-53.0	11.6	1.0	88.4	0.46	40.60
53.0-54.0	11.2	1.0	89.4	0.45	41.06
54.0-55.0	10.8	1.0	90.4	0.44	41.50
55.0-56.0	10.4	0.9	91.3	0.43	41.93
56.0-57.0	9.7	0.9	92.2	0.41	42.34
57.0-58.0	9.0	0.8	93.0	0.38	42.72
58.0-59.0	8.5	0.8	93.8	0.36	43.08
59.0-60.0	8.2	0.8	94.6	0.35	43.44
60.0-61.0	7.9	0.8	95.3	0.35	43.78
61.0-62.0	7.6	0.7	96.1	0.34	44.12
62.0-63.0	7.4	0.7	96.8	0.33	44.45
63.0-64.0	7.1	0.7	97.5	0.32	44.77
64.0-65.0	6.8	0.7	98.2	0.31	45.08
65.0-66.0	6.6	0.7	98.8	0.30	45.38
66.0-67.0	6.3	0.6	99.5	0.29	45.67
67.0-68.0	6.0	0.6	100.1	0.28	45.96
68.0-69.0	5.8	0.6	100.7	0.27	46.23
69.0-70.0	5.6	0.6	101.2	0.26	46.49
70.0-71.0	5.3	0.5	101.8	0.25	46.74
71.0-72.0	5.1	0.5	102.3	0.24	46.98

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

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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	4.8	0.5	102.8	0.23	47.22
73.0-74.0	4.6	0.5	103.3	0.22	47.44
74.0-75.0	4.4	0.5	103.8	0.21	47.65
75.0-76.0	4.2	0.4	104.2	0.20	47.85
76.0-77.0	4.0	0.4	104.6	0.19	48.05
77.0-78.0	3.8	0.4	105.0	0.19	48.23
78.0-79.0	3.6	0.4	105.4	0.18	48.41
79.0-80.0	3.5	0.4	105.8	0.17	48.59
80.0-81.0	3.3	0.4	106.2	0.16	48.75
81.0-82.0	3.1	0.3	106.5	0.16	48.91
82.0-83.0	3.0	0.3	106.8	0.15	49.06
83.0-84.0	2.9	0.3	107.1	0.14	49.20
84.0-85.0	2.8	0.3	107.4	0.14	49.34
85.0-86.0	2.7	0.3	107.7	0.13	49.47
86.0-87.0	2.6	0.3	108.0	0.13	49.61
87.0-88.0	2.6	0.3	108.3	0.13	49.74
88.0-89.0	2.6	0.3	108.6	0.13	49.87
89.0-90.0	2.6	0.3	108.9	0.13	50.00
90.0-91.0	2.6	0.3	109.2	0.13	50.13
91.0-92.0	2.6	0.3	109.5	0.13	50.26
92.0-93.0	2.6	0.3	109.7	0.13	50.39
93.0-94.0	2.6	0.3	110.0	0.13	50.53
94.0-95.0	2.7	0.3	110.3	0.13	50.66
95.0-96.0	2.8	0.3	110.6	0.14	50.80
96.0-97.0	2.9	0.3	110.9	0.14	50.94
97.0-98.0	3.0	0.3	111.3	0.15	51.09
98.0-99.0	3.1	0.3	111.6	0.16	51.25
99.0-100.0	3.3	0.4	112.0	0.16	51.41
100.0-101.0	3.5	0.4	112.3	0.17	51.59
101.0-102.0	3.6	0.4	112.7	0.18	51.77
102.0-103.0	3.8	0.4	113.1	0.19	51.95
103.0-104.0	4.0	0.4	113.6	0.19	52.15
104.0-105.0	4.2	0.4	114.0	0.20	52.35
105.0-106.0	4.4	0.5	114.5	0.21	52.56
106.0-107.0	4.6	0.5	114.9	0.22	52.78
107.0-108.0	4.8	0.5	115.5	0.23	53.02

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

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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	5.1	0.5	116.0	0.24	53.26
109.0-110.0	5.3	0.5	116.5	0.25	53.51
110.0-111.0	5.6	0.6	117.1	0.26	53.77
111.0-112.0	5.8	0.6	117.7	0.27	54.04
112.0-113.0	6.0	0.6	118.3	0.28	54.33
113.0-114.0	6.3	0.6	118.9	0.29	54.62
114.0-115.0	6.6	0.7	119.6	0.30	54.92
115.0-116.0	6.8	0.7	120.3	0.31	55.23
116.0-117.0	7.1	0.7	121.0	0.32	55.55
117.0-118.0	7.4	0.7	121.7	0.33	55.88
118.0-119.0	7.6	0.7	122.4	0.34	56.22
119.0-120.0	7.9	0.8	123.2	0.35	56.56
120.0-121.0	8.2	0.8	123.9	0.35	56.92
121.0-122.0	8.5	0.8	124.7	0.36	57.28
122.0-123.0	9.0	0.8	125.6	0.38	57.66
123.0-124.0	9.7	0.9	126.5	0.41	58.07
124.0-125.0	10.4	0.9	127.4	0.43	58.50
125.0-126.0	10.8	1.0	128.4	0.44	58.94
126.0-127.0	11.2	1.0	129.3	0.45	59.40
127.0-128.0	11.6	1.0	130.4	0.46	59.86
128.0-129.0	11.8	1.0	131.4	0.46	60.32
129.0-130.0	11.8	1.0	132.4	0.46	60.78
130.0-131.0	12.0	1.0	133.4	0.46	61.24
131.0-132.0	12.6	1.0	134.4	0.47	61.71
132.0-133.0	13.3	1.1	135.5	0.50	62.21
133.0-134.0	15.5	1.2	136.7	0.57	62.77
134.0-135.0	20.5	1.6	138.3	0.74	63.51
135.0-136.0	27.6	2.1	140.4	0.97	64.48
136.0-137.0	32.9	2.5	142.9	1.14	65.63
137.0-138.0	35.0	2.6	145.5	1.19	66.82
138.0-139.0	35.7	2.6	148.1	1.19	68.01
139.0-140.0	35.8	2.5	150.7	1.17	69.18
140.0-141.0	36.1	2.5	153.2	1.16	70.33
141.0-142.0	36.5	2.5	155.7	1.14	71.48
142.0-143.0	37.0	2.5	158.1	1.13	72.61
143.0-144.0	37.6	2.5	160.6	1.13	73.74

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

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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	38.2	2.4	163.0	1.12	74.85
145.0-146.0	38.6	2.4	165.4	1.10	75.95
146.0-147.0	38.8	2.3	167.8	1.08	77.03
147.0-148.0	39.3	2.3	170.1	1.06	78.09
148.0-149.0	40.1	2.3	172.4	1.06	79.15
149.0-150.0	41.2	2.3	174.7	1.05	80.20
150.0-151.0	42.4	2.3	176.9	1.05	81.25
151.0-152.0	43.6	2.3	179.2	1.05	82.30
152.0-153.0	44.5	2.3	181.5	1.03	83.34
153.0-154.0	45.2	2.2	183.7	1.02	84.35
154.0-155.0	46.3	2.2	185.9	1.00	85.35
155.0-156.0	47.4	2.2	188.0	0.99	86.35
156.0-157.0	48.5	2.1	190.2	0.97	87.32
157.0-158.0	49.6	2.1	192.2	0.96	88.27
158.0-159.0	50.6	2.0	194.3	0.93	89.21
159.0-160.0	51.3	2.0	196.2	0.90	90.11
160.0-161.0	51.9	1.9	198.1	0.87	90.99
161.0-162.0	52.8	1.8	200.0	0.84	91.83
162.0-163.0	53.8	1.8	201.8	0.82	92.64
163.0-164.0	54.5	1.7	203.5	0.78	93.42
164.0-165.0	55.1	1.6	205.1	0.74	94.17
165.0-166.0	56.0	1.5	206.6	0.71	94.87
166.0-167.0	56.8	1.5	208.1	0.67	95.54
167.0-168.0	57.5	1.4	209.4	0.63	96.17
168.0-169.0	58.3	1.3	210.7	0.59	96.75
169.0-170.0	59.4	1.2	211.9	0.54	97.30
170.0-171.0	60.2	1.1	213.0	0.50	97.80
171.0-172.0	60.6	1.0	214.0	0.45	98.25
172.0-173.0	61.0	0.9	214.8	0.40	98.65
173.0-174.0	61.9	0.8	215.6	0.35	99.00
174.0-175.0	62.8	0.7	216.3	0.30	99.30
175.0-176.0	63.3	0.5	216.8	0.25	99.55
176.0-177.0	63.4	0.4	217.2	0.19	99.75
177.0-178.0	63.4	0.3	217.5	0.14	99.89
178.0-179.0	63.4	0.2	217.7	0.08	99.97
179.0-180.0	63.4	0.1	217.8	0.03	100.00

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

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°): 79.46 lm

%lum = 36.5%

%lamp = 36.5%

cone flux(120°): 94.60 lm

%lum = 43.4%

%lamp = 43.4%

## Candlepower Table

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G0.0	63.4	63.4	63.4	63.4	63.4					
G1.0	63.2	63.4	63.4	63.6	63.2					
G2.0	63.1	63.4	63.3	63.7	63.1					
G3.0	63.0	63.4	63.2	64.0	63.0					
G4.0	62.9	63.4	63.1	64.3	62.9					
G5.0	62.9	62.1	63.1	64.4	62.9					
G6.0	62.8	59.3	63.1	64.5	62.8					
G7.0	62.8	55.3	63.0	64.5	62.8					
G8.0	62.7	52.7	63.0	64.4	62.7					
G9.0	62.7	52.0	63.0	64.2	62.7					
G10.0	62.7	51.9	62.9	62.0	62.7					
G11.0	62.7	51.7	62.9	58.1	62.7					
G12.0	62.8	51.5	62.8	54.2	62.8					
G13.0	62.8	50.9	62.7	52.3	62.8					
G14.0	62.9	48.4	62.7	52.0	62.9					
G15.0	62.9	44.4	62.7	51.7	62.9					
G16.0	63.1	41.6	62.8	51.4	63.1					
G17.0	63.2	40.6	62.8	50.7	63.2					
G18.0	63.4	40.4	62.8	47.0	63.4					
G19.0	63.5	40.2	62.7	42.6	63.5					
G20.0	63.7	40.0	62.6	39.7	63.7					
G21.0	63.8	39.2	62.3	39.0	63.8					
G22.0	64.0	36.2	61.9	38.7	64.0					
G23.0	64.2	32.1	61.4	38.3	64.2					
G24.0	64.2	29.2	60.9	37.7	64.2					
G25.0	64.2	28.6	60.3	34.6	64.2					
G26.0	64.1	28.4	59.5	30.6	64.1					
G27.0	64.0	28.2	58.8	27.9	64.0					
G28.0	63.9	27.7	58.0	27.4	63.9					
G29.0	63.7	24.1	57.2	27.0	63.7					
G30.0	63.5	20.2	56.5	26.6	63.5					
G31.0	63.4	18.6	55.8	24.8	63.4					
G32.0	63.7	19.8	54.9	20.2	63.7					
G33.0	63.6	21.2	54.1	16.7	63.6					
G34.0	62.6	22.5	53.6	16.1	62.6					
G35.0	61.5	23.1	53.3	15.9	61.5					
G36.0	60.6	22.6	53.1	15.5	60.6					

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

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	59.7	21.0	53.0	15.2	59.7					
G38.0	59.4	19.5	52.9	15.1	59.4					
G39.0	59.2	18.2	52.6	14.9	59.2					
G40.0	59.2	17.5	52.4	14.4	59.2					
G41.0	59.2	17.3	52.3	13.9	59.2					
G42.0	58.9	18.1	52.3	13.4	58.9					
G43.0	58.6	20.2	45.9	12.9	58.6					
G44.0	58.2	22.3	32.9	12.4	58.2					
G45.0	45.6	23.5	14.0	11.8	45.6					
G46.0	24.5	23.1	10.4	11.3	24.5					
G47.0	11.4	22.7	10.0	10.8	11.4					
G48.0	10.5	21.2	9.6	10.5	10.5					
G49.0	10.1	18.9	9.4	10.2	10.1					
G50.0	9.9	18.2	9.1	9.9	9.9					
G51.0	9.6	18.9	8.8	9.7	9.6					
G52.0	9.3	19.8	8.5	9.4	9.3					
G53.0	9.1	19.2	8.1	9.2	9.1					
G54.0	8.7	18.7	7.7	9.0	8.7					
G55.0	8.3	18.1	7.4	8.8	8.3					
G56.0	7.9	16.6	7.2	8.7	7.9					
G57.0	7.7	14.1	6.9	8.5	7.7					
G58.0	7.5	12.1	6.6	8.4	7.5					
G59.0	7.2	11.6	6.3	8.2	7.2					
G60.0	6.9	11.3	6.0	7.9	6.9					
G61.0	6.6	11.1	5.7	7.6	6.6					
G62.0	6.3	11.0	5.5	7.4	6.3					
G63.0	5.9	10.7	5.2	7.2	5.9					
G64.0	5.6	10.4	4.9	7.0	5.6					
G65.0	5.2	10.2	4.7	6.8	5.2					
G66.0	4.9	9.9	4.4	6.6	4.9					
G67.0	4.6	9.6	4.1	6.4	4.6					
G68.0	4.3	9.3	3.9	6.2	4.3					
G69.0	4.0	9.1	3.6	6.0	4.0					
G70.0	3.7	8.9	3.4	5.7	3.7					
G71.0	3.5	8.6	3.2	5.5	3.5					
G72.0	3.2	8.3	3.0	5.2	3.2					
G73.0	3.0	8.0	2.8	5.0	3.0					

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

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	2.8	7.7	2.6	4.8	2.8					
G75.0	2.7	7.5	2.4	4.5	2.7					
G76.0	2.5	7.2	2.3	4.3	2.5					
G77.0	2.3	7.0	2.1	4.1	2.3					
G78.0	2.2	6.8	2.0	3.9	2.2					
G79.0	2.0	6.5	1.9	3.7	2.0					
G80.0	1.9	6.2	1.8	3.6	1.9					
G81.0	1.8	5.9	1.8	3.4	1.8					
G82.0	1.8	5.6	1.7	3.2	1.8					
G83.0	1.7	5.3	1.6	3.1	1.7					
G84.0	1.7	5.1	1.5	2.9	1.7					
G85.0	1.6	4.9	1.5	2.8	1.6					
G86.0	1.6	4.7	1.5	2.8	1.6					
G87.0	1.6	4.6	1.4	2.9	1.6					
G88.0	1.6	4.4	1.4	3.0	1.6					
G89.0	1.6	4.3	1.4	3.1	1.6					
G90.0	1.6	4.4	1.4	3.2	1.6					
G91.0	1.6	4.3	1.4	3.1	1.6					
G92.0	1.6	4.4	1.4	3.0	1.6					
G93.0	1.6	4.6	1.4	2.9	1.6					
G94.0	1.6	4.7	1.5	2.8	1.6					
G95.0	1.6	4.9	1.5	2.8	1.6					
G96.0	1.7	5.1	1.5	2.9	1.7					
G97.0	1.7	5.3	1.6	3.1	1.7					
G98.0	1.8	5.6	1.7	3.2	1.8					
G99.0	1.8	5.9	1.8	3.4	1.8					
G100.0	1.9	6.2	1.8	3.6	1.9					
G101.0	2.0	6.5	1.9	3.7	2.0					
G102.0	2.2	6.8	2.0	3.9	2.2					
G103.0	2.3	7.0	2.1	4.1	2.3					
G104.0	2.5	7.2	2.3	4.3	2.5					
G105.0	2.7	7.5	2.4	4.5	2.7					
G106.0	2.8	7.7	2.6	4.8	2.8					
G107.0	3.0	8.0	2.8	5.0	3.0					
G108.0	3.2	8.3	3.0	5.2	3.2					
G109.0	3.5	8.6	3.2	5.5	3.5					
G110.0	3.7	8.9	3.4	5.7	3.7					

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

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	4.0	9.1	3.6	6.0	4.0					
G112.0	4.3	9.3	3.9	6.2	4.3					
G113.0	4.6	9.6	4.1	6.4	4.6					
G114.0	4.9	9.9	4.4	6.6	4.9					
G115.0	5.2	10.2	4.7	6.8	5.2					
G116.0	5.6	10.4	4.9	7.0	5.6					
G117.0	5.9	10.7	5.2	7.2	5.9					
G118.0	6.3	11.0	5.5	7.4	6.3					
G119.0	6.6	11.1	5.7	7.6	6.6					
G120.0	6.9	11.3	6.0	7.9	6.9					
G121.0	7.2	11.6	6.3	8.2	7.2					
G122.0	7.5	12.1	6.6	8.4	7.5					
G123.0	7.7	14.1	6.9	8.5	7.7					
G124.0	7.9	16.6	7.2	8.7	7.9					
G125.0	8.3	18.1	7.4	8.8	8.3					
G126.0	8.7	18.7	7.7	9.0	8.7					
G127.0	9.1	19.2	8.1	9.2	9.1					
G128.0	9.3	19.8	8.5	9.4	9.3					
G129.0	9.6	18.9	8.8	9.7	9.6					
G130.0	9.9	18.2	9.1	9.9	9.9					
G131.0	10.1	18.9	9.4	10.2	10.1					
G132.0	10.5	21.2	9.6	10.5	10.5					
G133.0	11.4	22.7	10.0	10.8	11.4					
G134.0	24.5	23.1	10.4	11.3	24.5					
G135.0	45.6	23.5	14.0	11.8	45.6					
G136.0	58.2	22.3	32.9	12.4	58.2					
G137.0	58.6	20.2	45.9	12.9	58.6					
G138.0	58.9	18.1	52.3	13.4	58.9					
G139.0	59.2	17.3	52.3	13.9	59.2					
G140.0	59.2	17.5	52.4	14.4	59.2					
G141.0	59.2	18.2	52.6	14.9	59.2					
G142.0	59.4	19.5	52.9	15.1	59.4					
G143.0	59.7	21.0	53.0	15.2	59.7					
G144.0	60.6	22.6	53.1	15.5	60.6					
G145.0	61.5	23.1	53.3	15.9	61.5					
G146.0	62.6	22.5	53.6	16.1	62.6					
G147.0	63.6	21.2	54.1	16.7	63.6					

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

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	63.7	19.8	54.9	20.2	63.7					
G149.0	63.4	18.6	55.8	24.8	63.4					
G150.0	63.5	20.2	56.5	26.6	63.5					
G151.0	63.7	24.1	57.2	27.0	63.7					
G152.0	63.9	27.7	58.0	27.4	63.9					
G153.0	64.0	28.2	58.8	27.9	64.0					
G154.0	64.1	28.4	59.5	30.6	64.1					
G155.0	64.2	28.6	60.3	34.6	64.2					
G156.0	64.2	29.2	60.9	37.7	64.2					
G157.0	64.2	32.1	61.4	38.3	64.2					
G158.0	64.0	36.2	61.9	38.7	64.0					
G159.0	63.8	39.2	62.3	39.0	63.8					
G160.0	63.7	40.0	62.6	39.7	63.7					
G161.0	63.5	40.2	62.7	42.6	63.5					
G162.0	63.4	40.4	62.8	47.0	63.4					
G163.0	63.2	40.6	62.8	50.7	63.2					
G164.0	63.1	41.6	62.8	51.4	63.1					
G165.0	62.9	44.4	62.7	51.7	62.9					
G166.0	62.9	48.4	62.7	52.0	62.9					
G167.0	62.8	50.9	62.7	52.3	62.8					
G168.0	62.8	51.5	62.8	54.2	62.8					
G169.0	62.7	51.7	62.9	58.1	62.7					
G170.0	62.7	51.9	62.9	62.0	62.7					
G171.0	62.7	52.0	63.0	64.2	62.7					
G172.0	62.7	52.7	63.0	64.4	62.7					
G173.0	62.8	55.3	63.0	64.5	62.8					
G174.0	62.8	59.3	63.1	64.5	62.8					
G175.0	62.9	62.1	63.1	64.4	62.9					
G176.0	62.9	63.4	63.1	64.3	62.9					
G177.0	63.0	63.4	63.2	64.0	63.0					
G178.0	63.1	63.4	63.3	63.7	63.1					
G179.0	63.2	63.4	63.4	63.6	63.2					
G180.0	63.4	63.4	63.4	63.4	63.4					

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

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