

Report No.: 6101

Test Time: 2024/9/14 15:03

## Luminaire Property

Luminaire Manufacturer: BBT LIGHTING  
 Luminaire Category: OUTDOOR LAMP  
 Luminaire Description: FISCHIO 336100

Luminous Length (mm): -280

Luminous Width (mm): -280

Current: 0.029 A  
 Power Factor: 0.878

Voltage: 220.4 V  
 Power: 5.61 W

Carlos

## Photometric Results

CIE Class: Direct  
 Measurement Flux: 157.1 lm  
 Downward Ratio: 99%  
 Horizontal Diffuse Angle(50%): H53.1  
 Vertical Diffuse Angle(50%): V31.3  
 Luminaire Efficacy Rating (LER): 28.05  
 Max. Intensity: 256.75 cd  
 S/MH(C0/C180): 1.09

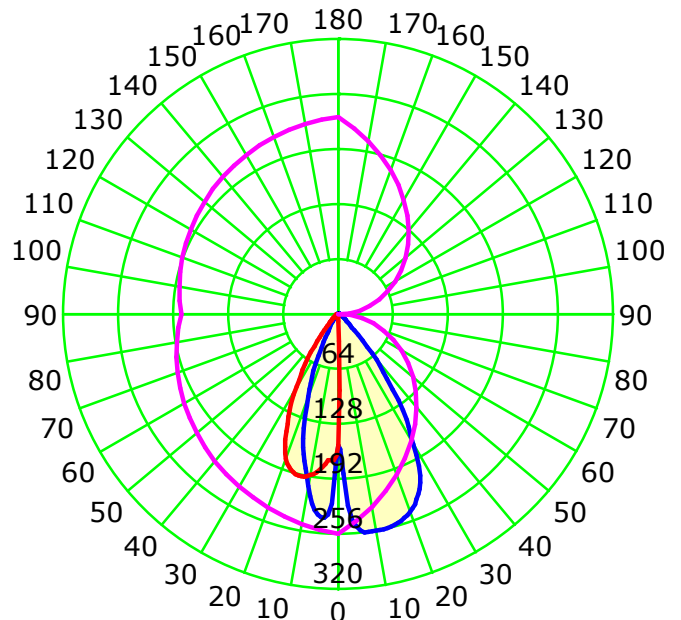
Total Rated Lamp Lumens: 157.1 lm  
 Efficiency: 100%  
 Upward Ratio: 1%

C0r0 Intensity: 153.16 cd  
 Pos of Max. Intensity: H0 V7  
 S/MH(C90/C270): 0.70

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

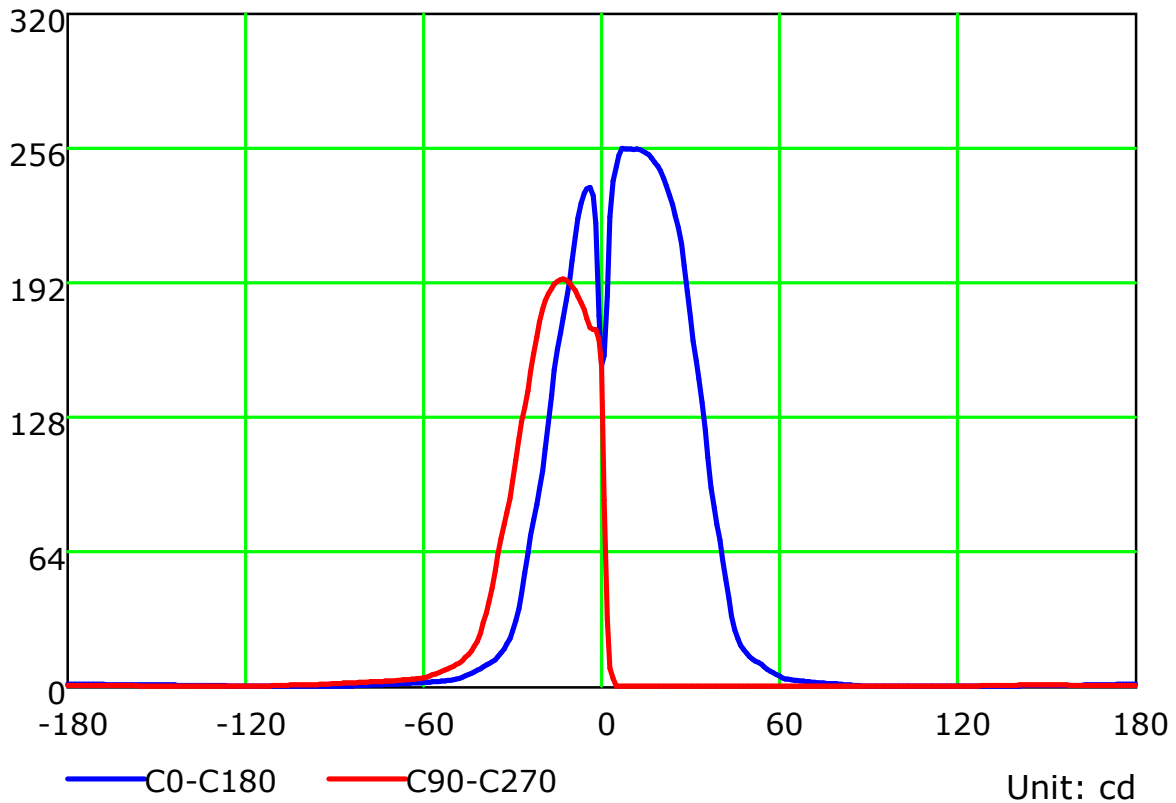
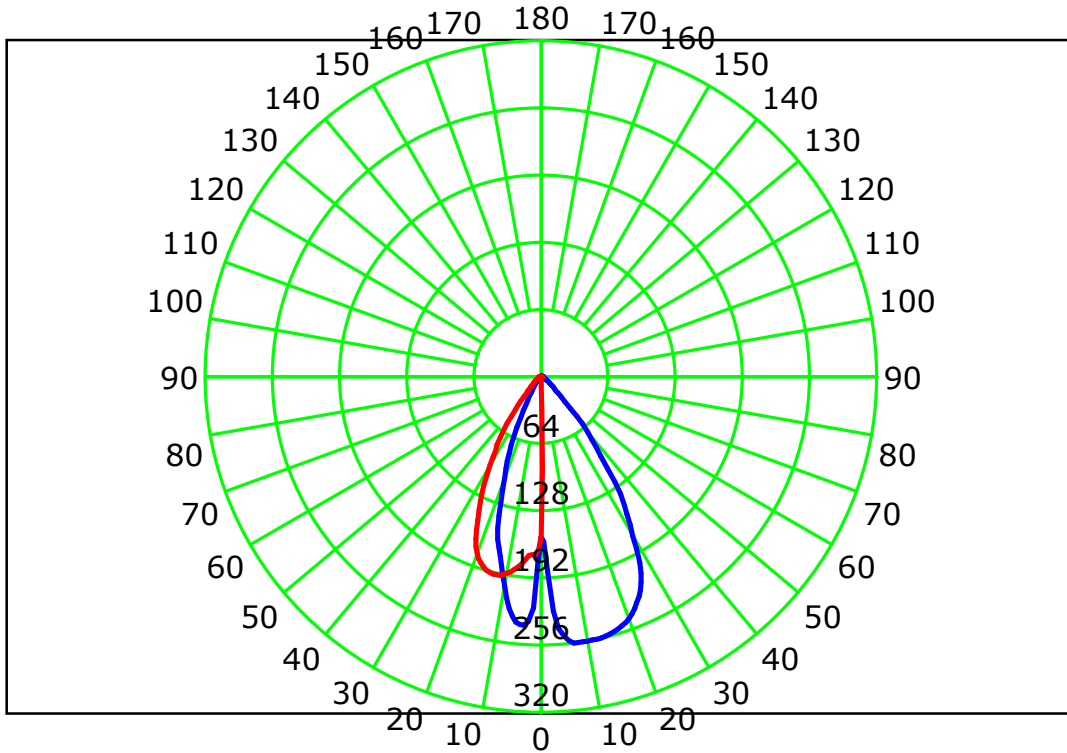
Average Diffuse Angle(50%): 41.2°

— C0-C180 — C90-C270 — G7

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:

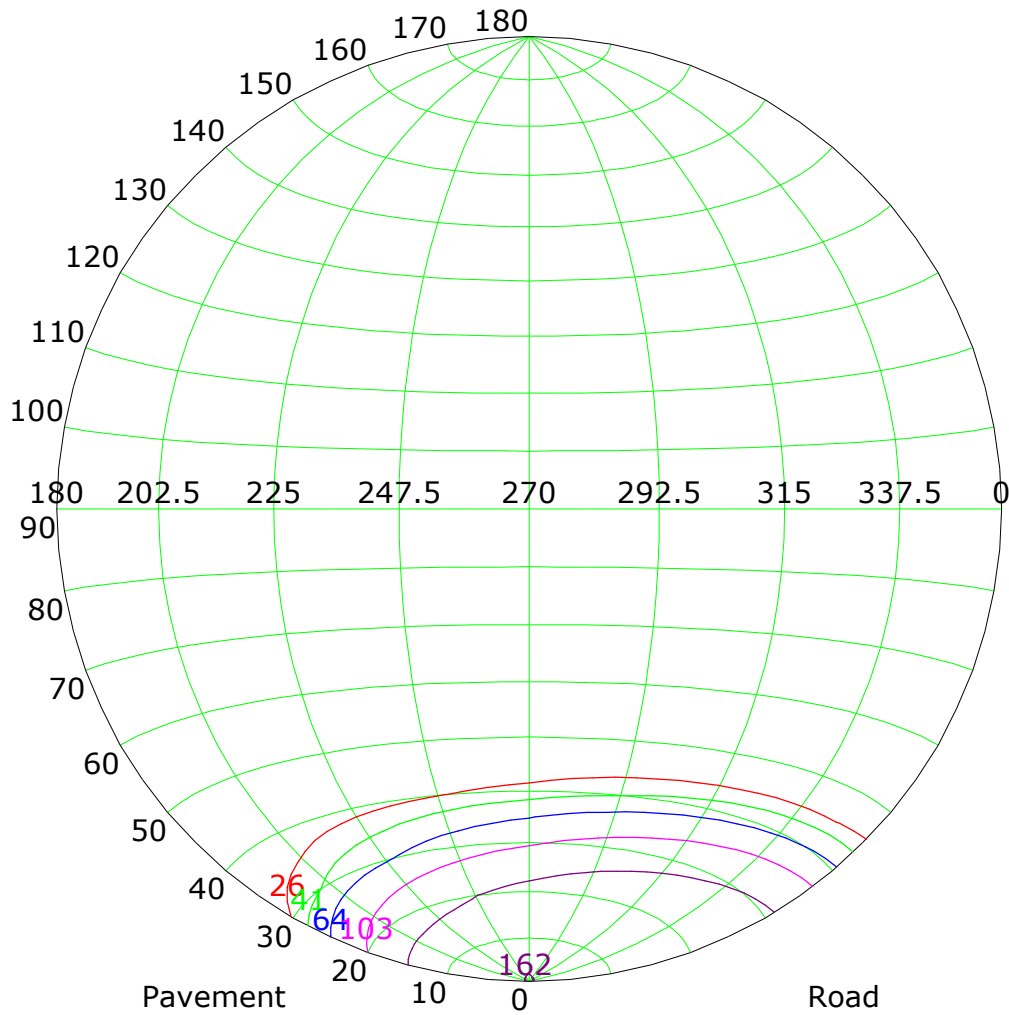
## Luminous Intensity Distribution Curve



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:

## Isocandela (sphere)



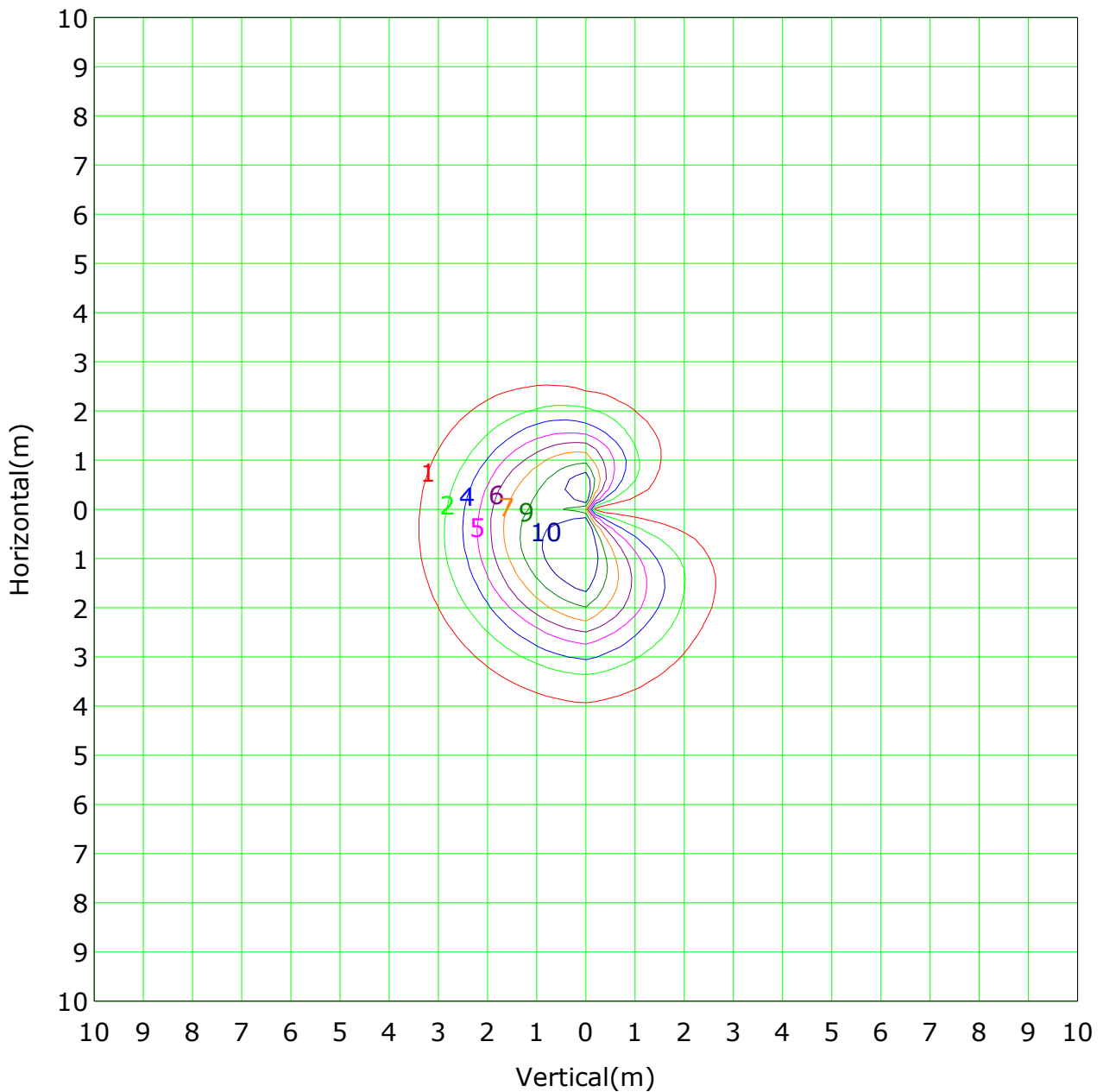
Imax (100%): 257 cd

— ( 10%):	26 cd	— ( 16%):	41 cd
— ( 25%):	64 cd	— ( 40%):	103 cd
— ( 63%):	162 cd	— (100%):	257 cd

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:

## IsoLux Plot



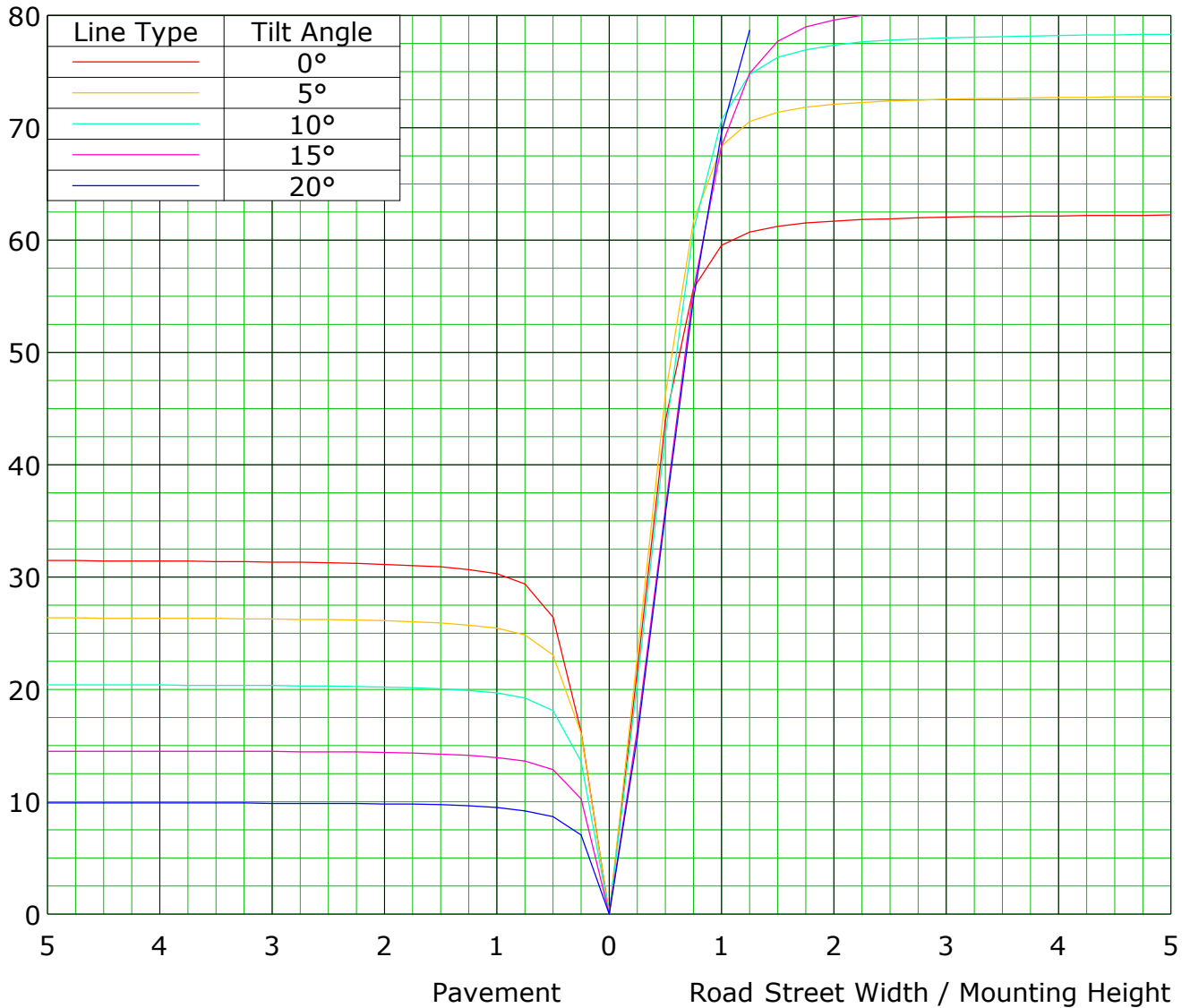
Mounting Height: 4.5m		Max Lux(100%): 12.4 lx
<ul style="list-style-type: none"> <li><span style="color: red;">—</span> ( 10%): 1.2 lx</li> <li><span style="color: blue;">—</span> ( 30%): 3.7 lx</li> <li><span style="color: purple;">—</span> ( 50%): 6.2 lx</li> <li><span style="color: green;">—</span> ( 70%): 8.7 lx</li> </ul>	<ul style="list-style-type: none"> <li><span style="color: lightgreen;">—</span> ( 20%): 2.5 lx</li> <li><span style="color: magenta;">—</span> ( 40%): 5.0 lx</li> <li><span style="color: orange;">—</span> ( 60%): 7.4 lx</li> <li><span style="color: darkblue;">—</span> ( 80%): 9.9 lx</li> </ul>	

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:

## Roadway CU Curve

Efficiency(%)



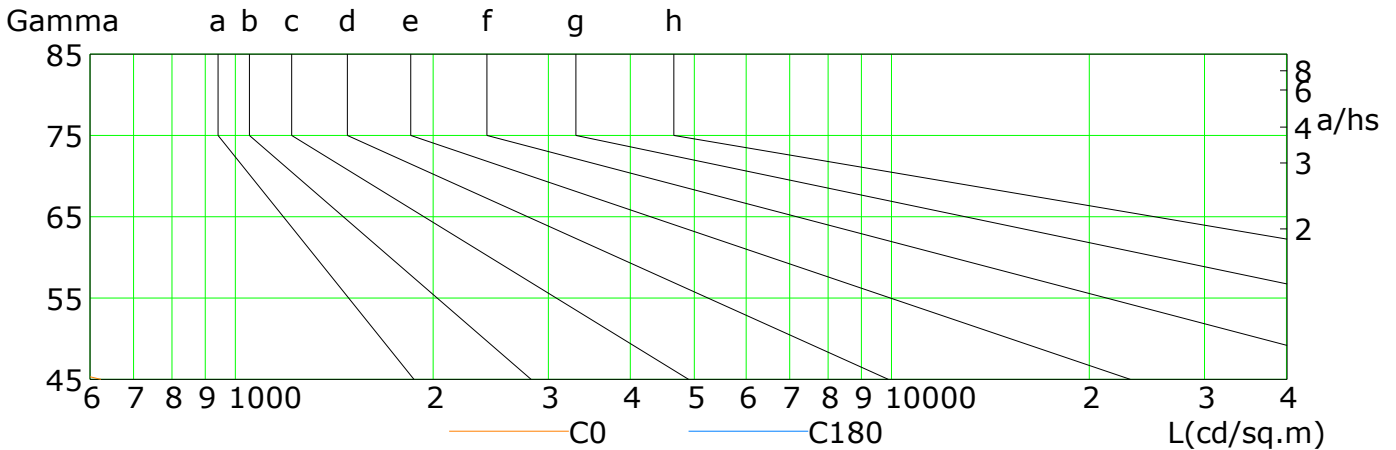
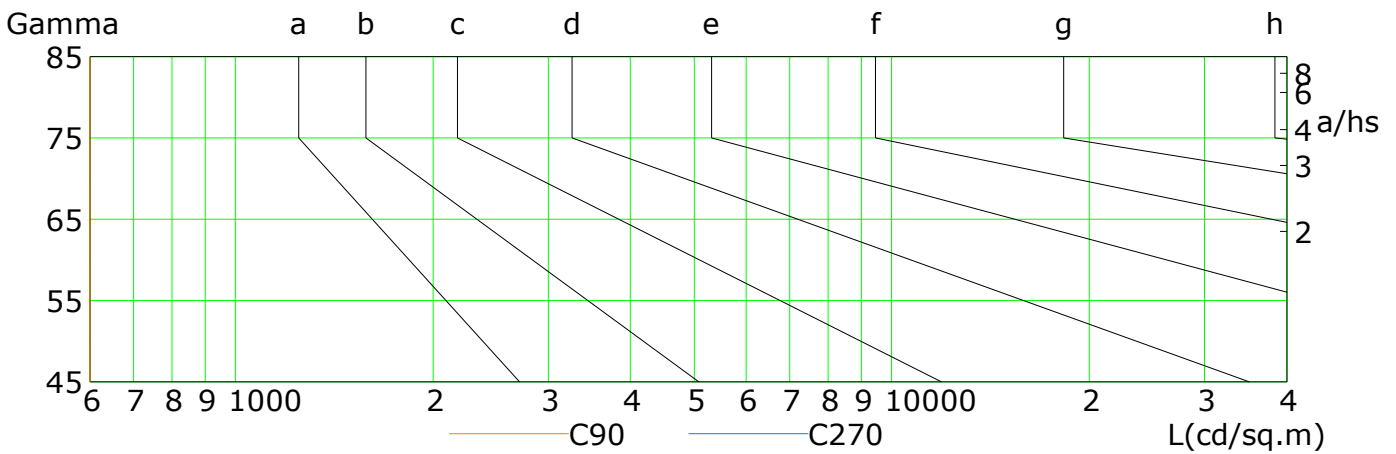
C Plane (°):0.0-360.0: 90.0  
 Test Lab: Inventfine instruments  
 Test Type: TYPE C  
 Temperature: 26  
 Operator: Carlos

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

## 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

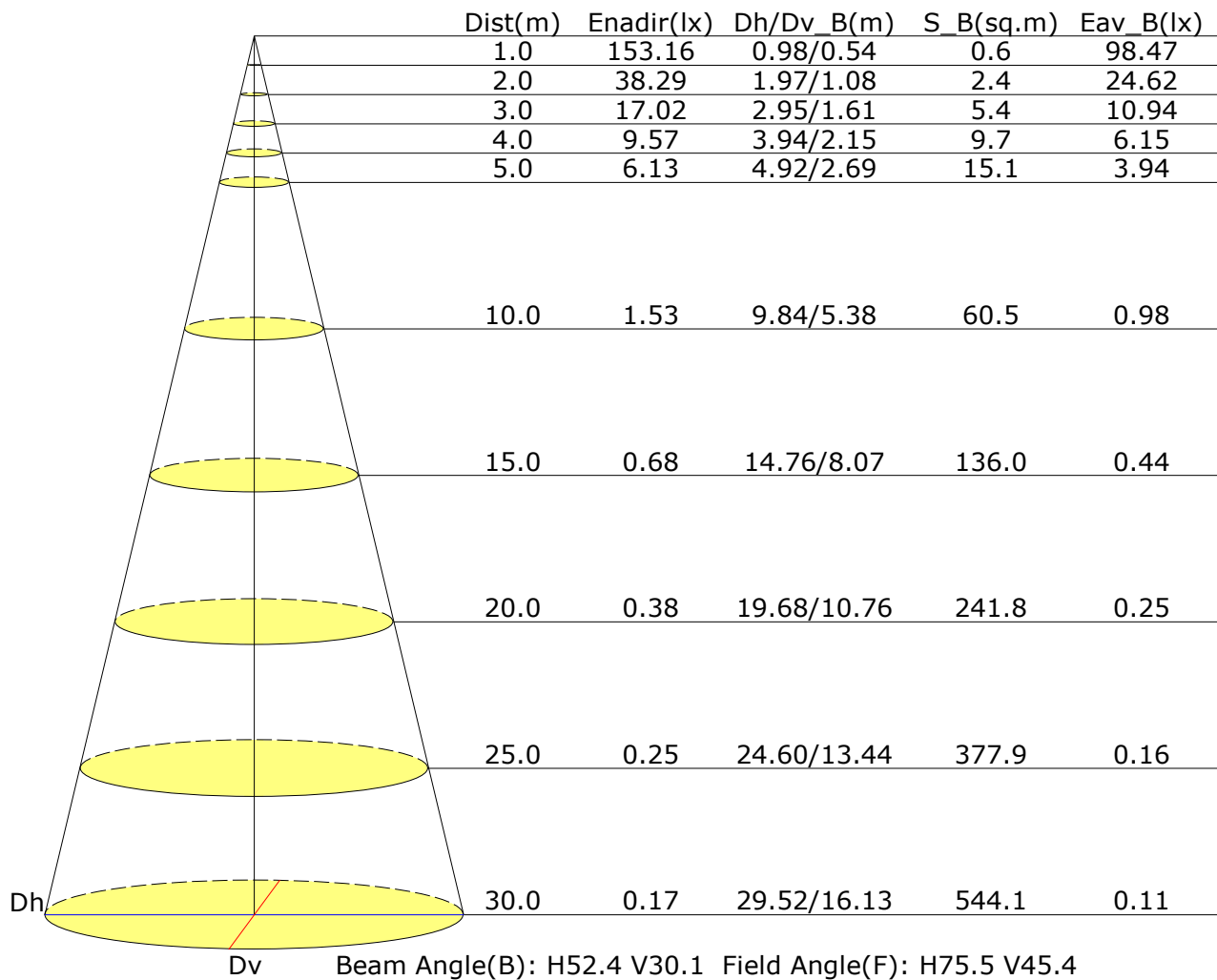


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	624	357	265	161	115	103	101	105	103
C90	0	0	0	0	0	0	0	0	0
C180	131	79	68	60	57	55	52	49	31
C270	351	246	185	134	127	130	146	185	307

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:

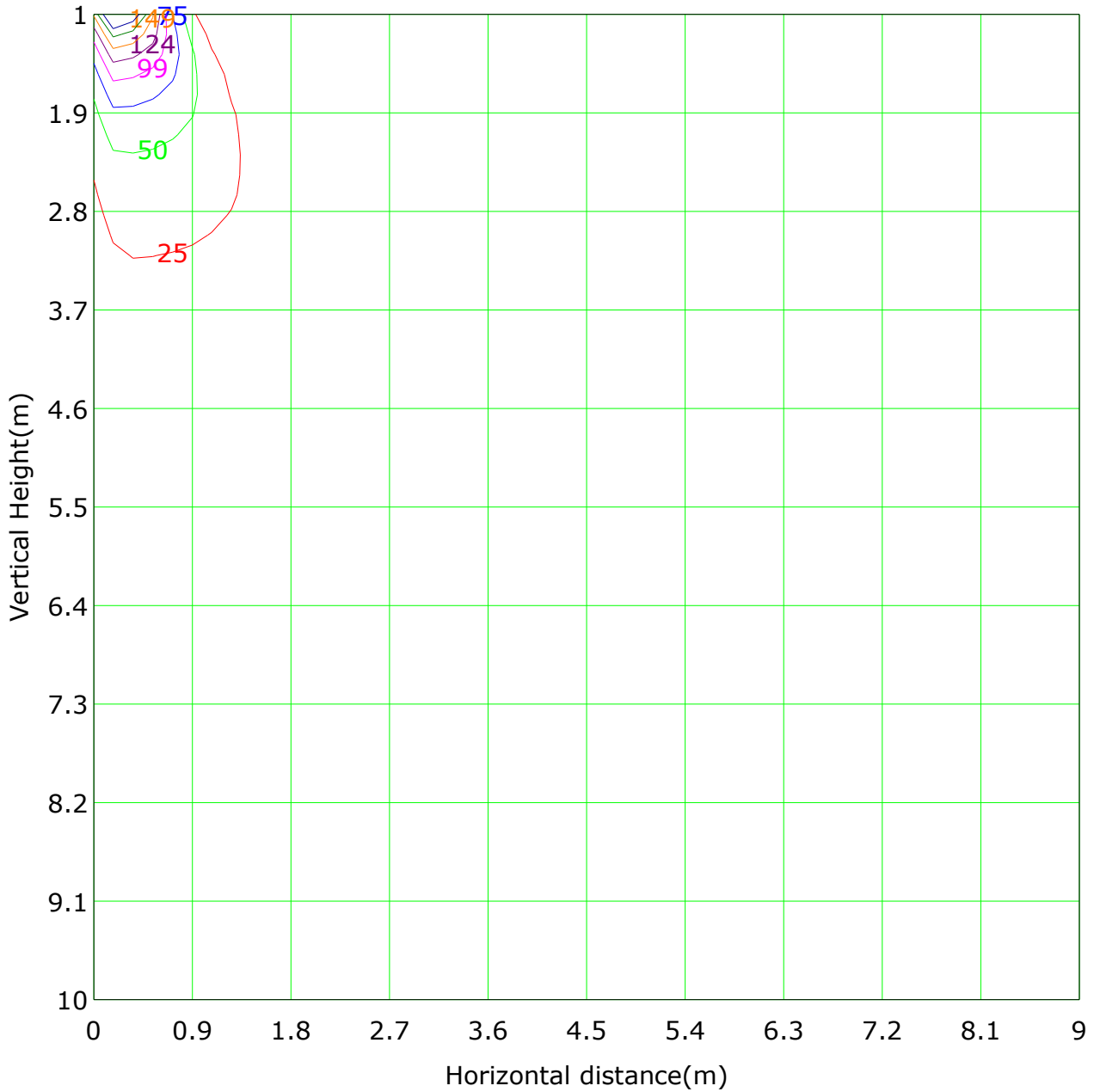
## Illuminance at a Distance



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:

## Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 10.0m	Max Lux: 248.4 lx
— ( 10%): 24.8 lx	— ( 20%): 49.7 lx	— ( 40%): 99.4 lx
— ( 30%): 74.5 lx	— ( 60%): 149.0 lx	— ( 80%): 198.7 lx
— ( 50%): 124.2 lx		
— ( 70%): 173.9 lx		

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:



### Area Flux Table

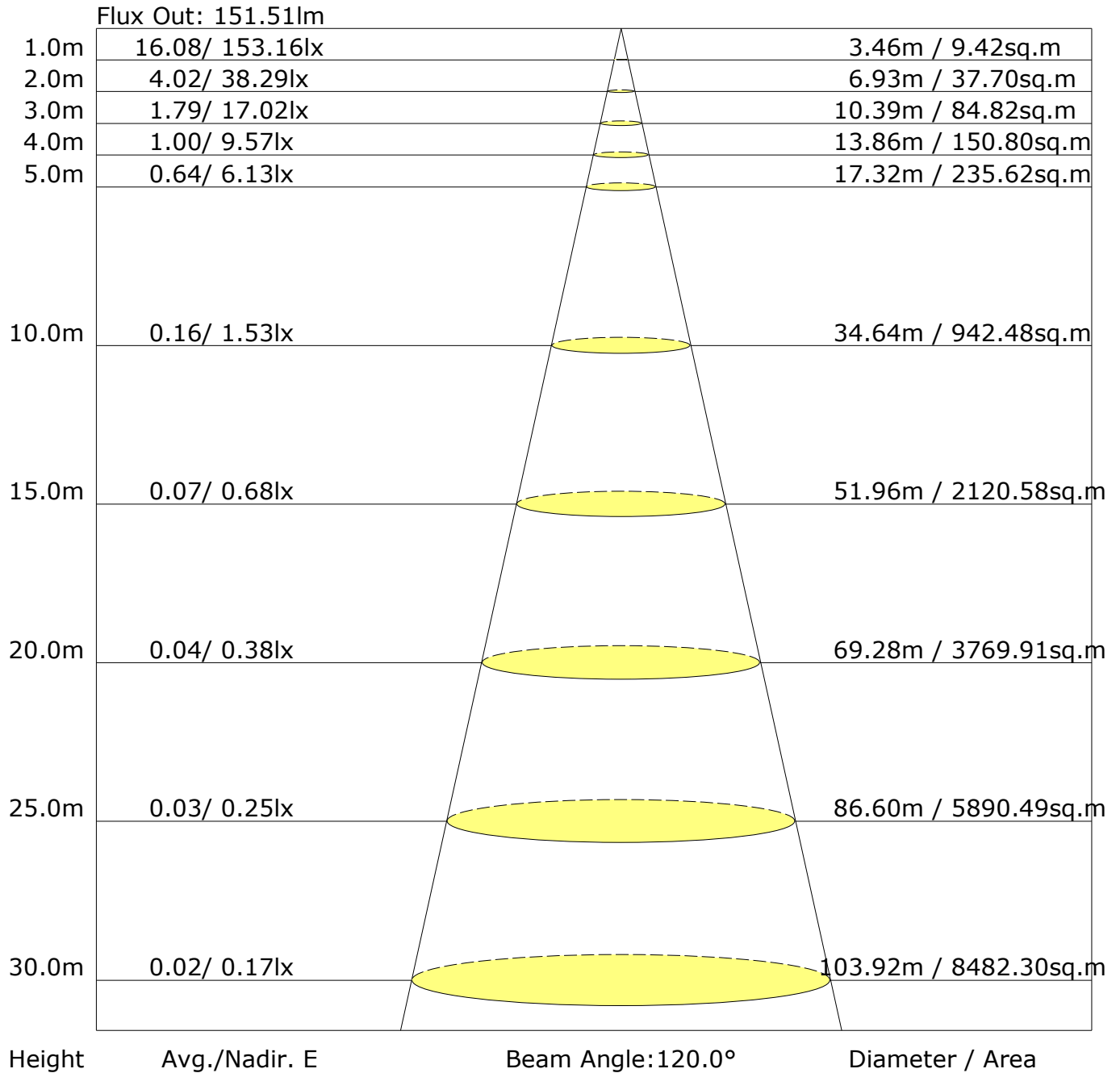
Unit: lm

		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	0.0	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
	-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	0.2	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	0.5	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
	-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	2.6	0.3
	-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	6.3
	-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	17.9	16.6
	-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	22.5	21.1
	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	26.8	25.2
	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	32.1	30.7
	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	25.8	24.5
	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	12.6	11.1
	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	3.5	1.3
	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	1.2	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	0.4	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	0.2	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	0.0
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	0.0	0.0	
																					155	137

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:

## The Average Illuminance Effective Figure



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:

## 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	8.8	9.7	9.1	10.0	10.2	4.9	5.8	5.2	6.0	6.3					
3H	8.8	9.6	9.1	9.9	10.1	5.0	5.8	5.3	6.1	6.4					
4H	8.8	9.5	9.1	9.8	10.1	5.1	5.9	5.5	6.2	6.5					
6H	8.8	9.5	9.1	9.8	10.1	5.3	6.0	5.7	6.4	6.7					
8H	8.8	9.4	9.1	9.8	10.1	5.5	6.2	5.9	6.5	6.8					
12H	8.8	9.4	9.1	9.7	10.1	5.7	6.3	6.1	6.7	7.0					
X=4H Y=2H	8.7	9.4	9.0	9.7	10.0	4.9	5.6	5.2	5.9	6.2					
3H	8.6	9.3	9.0	9.6	10.0	5.1	5.7	5.5	6.1	6.4					
4H	8.7	9.2	9.1	9.6	10.0	5.3	5.9	5.7	6.2	6.6					
6H	8.7	9.2	9.1	9.6	10.0	5.6	6.1	6.1	6.5	6.9					
8H	8.7	9.2	9.2	9.6	10.0	5.9	6.3	6.3	6.7	7.2					
12H	8.7	9.2	9.2	9.6	10.1	6.2	6.6	6.7	7.1	7.5					
X=8H Y=4H	8.6	9.1	9.0	9.5	9.9	5.3	5.8	5.8	6.2	6.6					
6H	8.7	9.1	9.2	9.5	10.0	5.8	6.2	6.3	6.6	7.1					
8H	8.8	9.1	9.2	9.5	10.1	6.1	6.5	6.6	6.9	7.4					
12H	8.8	9.1	9.3	9.6	10.1	6.6	6.9	7.2	7.4	7.9					
X=12H Y=4H	8.6	9.0	9.0	9.4	9.9	5.3	5.7	5.8	6.2	6.6					
6H	8.7	9.0	9.2	9.5	10.0	5.8	6.2	6.3	6.6	7.1					
8H	8.8	9.1	9.3	9.5	10.1	6.2	6.5	6.7	7.0	7.5					
Variations with the observer position at spacings:															
S=1.0H						+4.0/-4.1					+3.2/-3.2				
S=1.5H						+6.7/-5.6					+5.4/-4.3				
S=2.0H						+8.7/-6.1					+7.1/-4.9				

Calculate in accordance with CIE Pub.117. The table is revised with 157lm ( $8\log(F/F_0) = -6.4$ ).

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:

## 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	150.2	0.1	0.1	0.09	0.09
1.0-2.0	149.9	0.4	0.6	0.27	0.37
2.0-3.0	155.9	0.7	1.3	0.47	0.84
3.0-4.0	161.5	1.1	2.4	0.69	1.53
4.0-5.0	164.5	1.4	3.8	0.90	2.43
5.0-6.0	166.3	1.7	5.6	1.11	3.54
6.0-7.0	167.5	2.1	7.6	1.32	4.87
7.0-8.0	167.1	2.4	10.0	1.52	6.39
8.0-9.0	165.8	2.7	12.7	1.71	8.10
9.0-10.0	163.9	3.0	15.7	1.89	9.99
10.0-11.0	161.6	3.2	18.9	2.06	12.04
11.0-12.0	159.7	3.5	22.4	2.22	14.27
12.0-13.0	157.7	3.7	26.2	2.38	16.65
13.0-14.0	155.7	4.0	30.1	2.54	19.18
14.0-15.0	153.5	4.2	34.4	2.68	21.87
15.0-16.0	150.8	4.4	38.8	2.81	24.68
16.0-17.0	147.3	4.6	43.4	2.92	27.60
17.0-18.0	143.1	4.7	48.1	3.00	30.61
18.0-19.0	138.7	4.8	52.9	3.07	33.68
19.0-20.0	134.4	4.9	57.8	3.13	36.81
20.0-21.0	130.0	5.0	62.8	3.18	39.99
21.0-22.0	125.5	5.0	67.9	3.21	43.20
22.0-23.0	120.8	5.1	72.9	3.23	46.43
23.0-24.0	115.7	5.1	78.0	3.22	49.65
24.0-25.0	110.2	5.0	83.0	3.19	52.84
25.0-26.0	104.5	4.9	87.9	3.14	55.97
26.0-27.0	98.5	4.8	92.8	3.07	59.04
27.0-28.0	92.3	4.7	97.4	2.98	62.02
28.0-29.0	85.5	4.5	101.9	2.85	64.87
29.0-30.0	78.5	4.2	106.1	2.70	67.57
30.0-31.0	72.2	4.0	110.2	2.56	70.13
31.0-32.0	67.0	3.8	114.0	2.44	72.57
32.0-33.0	62.6	3.7	117.7	2.35	74.92
33.0-34.0	58.1	3.5	121.2	2.24	77.16
34.0-35.0	52.8	3.3	124.5	2.09	79.24
35.0-36.0	47.2	3.0	127.5	1.91	81.16

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 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	41.3	2.7	130.2	1.72	82.87
37.0-38.0	36.3	2.4	132.6	1.54	84.42
38.0-39.0	32.4	2.2	134.8	1.41	85.82
39.0-40.0	29.0	2.0	136.8	1.29	87.11
40.0-41.0	25.5	1.8	138.7	1.16	88.27
41.0-42.0	21.9	1.6	140.3	1.01	89.28
42.0-43.0	18.6	1.4	141.6	0.88	90.16
43.0-44.0	15.6	1.2	142.8	0.75	90.91
44.0-45.0	13.1	1.0	143.8	0.64	91.55
45.0-46.0	11.2	0.9	144.7	0.56	92.11
46.0-47.0	9.8	0.8	145.5	0.50	92.60
47.0-48.0	8.7	0.7	146.2	0.45	93.05
48.0-49.0	7.8	0.6	146.8	0.41	93.46
49.0-50.0	7.1	0.6	147.4	0.38	93.83
50.0-51.0	6.5	0.6	148.0	0.35	94.18
51.0-52.0	6.1	0.5	148.5	0.33	94.52
52.0-53.0	5.6	0.5	149.0	0.31	94.83
53.0-54.0	5.2	0.5	149.4	0.29	95.12
54.0-55.0	4.8	0.4	149.9	0.27	95.39
55.0-56.0	4.3	0.4	150.2	0.25	95.64
56.0-57.0	3.9	0.4	150.6	0.23	95.87
57.0-58.0	3.6	0.3	150.9	0.21	96.08
58.0-59.0	3.2	0.3	151.2	0.19	96.27
59.0-60.0	2.9	0.3	151.5	0.17	96.44
60.0-61.0	2.6	0.2	151.8	0.16	96.60
61.0-62.0	2.4	0.2	152.0	0.15	96.75
62.0-63.0	2.2	0.2	152.2	0.14	96.88
63.0-64.0	2.1	0.2	152.4	0.13	97.02
64.0-65.0	2.0	0.2	152.6	0.13	97.14
65.0-66.0	1.9	0.2	152.8	0.12	97.26
66.0-67.0	1.8	0.2	153.0	0.12	97.38
67.0-68.0	1.7	0.2	153.1	0.11	97.49
68.0-69.0	1.6	0.2	153.3	0.11	97.59
69.0-70.0	1.5	0.2	153.5	0.10	97.69
70.0-71.0	1.5	0.2	153.6	0.10	97.79
71.0-72.0	1.4	0.1	153.8	0.09	97.88

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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	1.3	0.1	153.9	0.09	97.97
73.0-74.0	1.3	0.1	154.0	0.09	98.06
74.0-75.0	1.2	0.1	154.2	0.08	98.14
75.0-76.0	1.2	0.1	154.3	0.08	98.22
76.0-77.0	1.1	0.1	154.4	0.07	98.30
77.0-78.0	1.1	0.1	154.5	0.07	98.37
78.0-79.0	1.0	0.1	154.6	0.07	98.44
79.0-80.0	0.9	0.1	154.7	0.06	98.50
80.0-81.0	0.9	0.1	154.8	0.06	98.56
81.0-82.0	0.8	0.1	154.9	0.06	98.62
82.0-83.0	0.7	0.1	155.0	0.05	98.67
83.0-84.0	0.7	0.1	155.1	0.05	98.72
84.0-85.0	0.6	0.1	155.1	0.04	98.76
85.0-86.0	0.6	0.1	155.2	0.04	98.80
86.0-87.0	0.5	0.1	155.3	0.03	98.83
87.0-88.0	0.4	0.0	155.3	0.03	98.86
88.0-89.0	0.4	0.0	155.3	0.03	98.89
89.0-90.0	0.4	0.0	155.4	0.02	98.92
90.0-91.0	0.3	0.0	155.4	0.02	98.94
91.0-92.0	0.3	0.0	155.5	0.02	98.96
92.0-93.0	0.3	0.0	155.5	0.02	98.98
93.0-94.0	0.3	0.0	155.5	0.02	99.00
94.0-95.0	0.2	0.0	155.5	0.02	99.01
95.0-96.0	0.2	0.0	155.6	0.02	99.03
96.0-97.0	0.2	0.0	155.6	0.01	99.04
97.0-98.0	0.2	0.0	155.6	0.01	99.06
98.0-99.0	0.2	0.0	155.6	0.01	99.07
99.0-100.0	0.2	0.0	155.7	0.01	99.09
100.0-101.0	0.2	0.0	155.7	0.01	99.10
101.0-102.0	0.2	0.0	155.7	0.01	99.11
102.0-103.0	0.2	0.0	155.7	0.01	99.12
103.0-104.0	0.2	0.0	155.7	0.01	99.14
104.0-105.0	0.2	0.0	155.8	0.01	99.15
105.0-106.0	0.2	0.0	155.8	0.01	99.16
106.0-107.0	0.1	0.0	155.8	0.01	99.17
107.0-108.0	0.1	0.0	155.8	0.01	99.18

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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	0.1	0.0	155.8	0.01	99.19
109.0-110.0	0.1	0.0	155.8	0.01	99.19
110.0-111.0	0.1	0.0	155.8	0.01	99.20
111.0-112.0	0.1	0.0	155.8	0.00	99.20
112.0-113.0	0.1	0.0	155.8	0.00	99.21
113.0-114.0	0.1	0.0	155.9	0.01	99.21
114.0-115.0	0.1	0.0	155.9	0.01	99.22
115.0-116.0	0.1	0.0	155.9	0.01	99.22
116.0-117.0	0.1	0.0	155.9	0.01	99.23
117.0-118.0	0.1	0.0	155.9	0.01	99.23
118.0-119.0	0.1	0.0	155.9	0.01	99.24
119.0-120.0	0.1	0.0	155.9	0.01	99.25
120.0-121.0	0.1	0.0	155.9	0.01	99.25
121.0-122.0	0.1	0.0	155.9	0.01	99.26
122.0-123.0	0.2	0.0	155.9	0.01	99.27
123.0-124.0	0.2	0.0	156.0	0.01	99.28
124.0-125.0	0.2	0.0	156.0	0.01	99.29
125.0-126.0	0.2	0.0	156.0	0.01	99.30
126.0-127.0	0.2	0.0	156.0	0.01	99.31
127.0-128.0	0.2	0.0	156.0	0.01	99.32
128.0-129.0	0.2	0.0	156.0	0.01	99.34
129.0-130.0	0.2	0.0	156.1	0.01	99.35
130.0-131.0	0.3	0.0	156.1	0.01	99.36
131.0-132.0	0.3	0.0	156.1	0.01	99.38
132.0-133.0	0.3	0.0	156.1	0.01	99.39
133.0-134.0	0.3	0.0	156.2	0.02	99.41
134.0-135.0	0.3	0.0	156.2	0.02	99.42
135.0-136.0	0.3	0.0	156.2	0.02	99.44
136.0-137.0	0.3	0.0	156.2	0.02	99.45
137.0-138.0	0.4	0.0	156.3	0.02	99.47
138.0-139.0	0.4	0.0	156.3	0.02	99.49
139.0-140.0	0.4	0.0	156.3	0.02	99.51
140.0-141.0	0.4	0.0	156.3	0.02	99.52
141.0-142.0	0.4	0.0	156.4	0.02	99.54
142.0-143.0	0.4	0.0	156.4	0.02	99.56
143.0-144.0	0.4	0.0	156.4	0.02	99.58

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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	0.4	0.0	156.5	0.02	99.60
145.0-146.0	0.5	0.0	156.5	0.02	99.61
146.0-147.0	0.5	0.0	156.5	0.02	99.63
147.0-148.0	0.5	0.0	156.5	0.02	99.65
148.0-149.0	0.5	0.0	156.6	0.02	99.67
149.0-150.0	0.5	0.0	156.6	0.02	99.69
150.0-151.0	0.5	0.0	156.6	0.02	99.70
151.0-152.0	0.5	0.0	156.7	0.02	99.72
152.0-153.0	0.5	0.0	156.7	0.02	99.74
153.0-154.0	0.5	0.0	156.7	0.02	99.75
154.0-155.0	0.5	0.0	156.7	0.02	99.77
155.0-156.0	0.5	0.0	156.8	0.02	99.79
156.0-157.0	0.5	0.0	156.8	0.02	99.80
157.0-158.0	0.6	0.0	156.8	0.01	99.82
158.0-159.0	0.6	0.0	156.8	0.01	99.83
159.0-160.0	0.6	0.0	156.8	0.01	99.84
160.0-161.0	0.6	0.0	156.9	0.01	99.86
161.0-162.0	0.6	0.0	156.9	0.01	99.87
162.0-163.0	0.6	0.0	156.9	0.01	99.88
163.0-164.0	0.6	0.0	156.9	0.01	99.89
164.0-165.0	0.6	0.0	156.9	0.01	99.91
165.0-166.0	0.6	0.0	157.0	0.01	99.92
166.0-167.0	0.7	0.0	157.0	0.01	99.93
167.0-168.0	0.7	0.0	157.0	0.01	99.94
168.0-169.0	0.7	0.0	157.0	0.01	99.95
169.0-170.0	0.7	0.0	157.0	0.01	99.96
170.0-171.0	0.7	0.0	157.0	0.01	99.96
171.0-172.0	0.7	0.0	157.0	0.01	99.97
172.0-173.0	0.7	0.0	157.1	0.01	99.98
173.0-174.0	0.7	0.0	157.1	0.01	99.98
174.0-175.0	0.8	0.0	157.1	0.01	99.99
175.0-176.0	0.8	0.0	157.1	0.00	99.99
176.0-177.0	0.8	0.0	157.1	0.00	100.00
177.0-178.0	0.8	0.0	157.1	0.00	100.00
178.0-179.0	0.8	0.0	157.1	0.00	100.00
179.0-180.0	0.8	0.0	157.1	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°): 143.81 lm

%lum = 91.5%

%lamp = 91.5%

cone flux(120°): 151.51 lm

%lum = 96.4%

%lamp = 96.4%

## Candlepower Table

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G0.0	153.2	153.2	153.2	153.2	153.2					
G1.0	157.8	89.2	176.8	165.5	157.8					
G2.0	186.3	31.9	221.2	170.3	186.3					
G3.0	224.1	8.6	234.3	170.5	224.1					
G4.0	241.4	3.7	238.1	171.2	241.4					
G5.0	248.1	0.2	237.8	175.6	248.1					
G6.0	253.7	0.0	235.6	179.8	253.7					
G7.0	256.7	0.0	230.6	183.3	256.7					
G8.0	256.6	0.0	223.7	186.2	256.6					
G9.0	256.5	0.0	214.7	188.9	256.5					
G10.0	256.4	0.0	203.4	190.9	256.4					
G11.0	256.4	0.0	193.3	192.6	256.4					
G12.0	256.5	0.0	184.6	193.8	256.5					
G13.0	256.3	0.0	176.0	194.4	256.3					
G14.0	255.6	0.0	168.8	194.2	255.6					
G15.0	254.9	0.0	160.9	193.5	254.9					
G16.0	253.7	0.0	151.3	192.1	253.7					
G17.0	252.2	0.0	139.0	190.1	252.2					
G18.0	250.2	0.0	126.1	187.4	250.2					
G19.0	248.3	0.0	113.5	184.2	248.3					
G20.0	246.1	0.0	102.9	180.1	246.1					
G21.0	242.5	0.0	94.2	174.0	242.5					
G22.0	239.2	0.0	87.0	167.1	239.2					
G23.0	234.7	0.0	79.7	159.1	234.7					
G24.0	230.0	0.0	72.0	150.1	230.0					
G25.0	225.0	0.0	63.4	140.9	225.0					
G26.0	218.9	0.0	54.3	133.2	218.9					
G27.0	211.3	0.0	44.2	126.5	211.3					
G28.0	200.8	0.0	37.1	118.4	200.8					
G29.0	188.3	0.0	31.4	108.0	188.3					
G30.0	175.8	0.0	26.4	98.0	175.8					
G31.0	165.0	0.0	22.7	89.8	165.0					
G32.0	155.3	0.0	20.2	83.0	155.3					
G33.0	146.9	0.0	17.9	77.6	146.9					
G34.0	135.7	0.0	16.1	70.6	135.7					
G35.0	122.7	0.0	14.3	63.1	122.7					
G36.0	109.1	0.0	12.8	55.1	109.1					

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 1)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G37.0	95.1	0.0	11.7	47.0	95.1					
G38.0	85.4	0.0	11.0	40.3	85.4					
G39.0	77.4	0.0	10.2	35.1	77.4					
G40.0	69.9	0.0	9.4	30.4	69.9					
G41.0	60.6	0.0	8.5	25.4	60.6					
G42.0	51.2	0.0	7.7	21.7	51.2					
G43.0	42.1	0.0	6.8	19.0	42.1					
G44.0	33.4	0.0	6.2	17.0	33.4					
G45.0	27.2	0.0	5.7	15.3	27.2					
G46.0	22.7	0.0	5.2	13.8	22.7					
G47.0	19.8	0.0	4.6	12.3	19.8					
G48.0	17.5	0.0	3.9	11.3	17.5					
G49.0	15.8	0.0	3.4	10.5	15.8					
G50.0	14.1	0.0	3.1	9.7	14.1					
G51.0	13.1	0.0	3.0	9.1	13.1					
G52.0	12.2	0.0	2.8	8.4	12.2					
G53.0	11.3	0.0	2.7	7.7	11.3					
G54.0	10.4	0.0	2.5	7.2	10.4					
G55.0	9.4	0.0	2.4	6.5	9.4					
G56.0	8.1	0.0	2.3	6.0	8.1					
G57.0	7.2	0.0	2.2	5.5	7.2					
G58.0	6.5	0.0	2.1	5.0	6.5					
G59.0	5.7	0.0	2.0	4.4	5.7					
G60.0	5.0	0.0	1.9	4.1	5.0					
G61.0	4.2	0.0	1.8	3.9	4.2					
G62.0	3.6	0.0	1.7	3.8	3.6					
G63.0	3.4	0.0	1.6	3.6	3.4					
G64.0	3.2	0.0	1.5	3.4	3.2					
G65.0	3.0	0.0	1.5	3.3	3.0					
G66.0	2.8	0.0	1.4	3.2	2.8					
G67.0	2.6	0.0	1.4	3.1	2.6					
G68.0	2.5	0.0	1.3	2.9	2.5					
G69.0	2.3	0.0	1.2	2.8	2.3					
G70.0	2.2	0.0	1.2	2.7	2.2					
G71.0	2.0	0.0	1.1	2.6	2.0					
G72.0	1.9	0.0	1.0	2.6	1.9					
G73.0	1.8	0.0	0.9	2.5	1.8					

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	1.7	0.0	0.9	2.4	1.7					
G75.0	1.6	0.0	0.8	2.3	1.6					
G76.0	1.5	0.0	0.8	2.3	1.5					
G77.0	1.4	0.0	0.7	2.2	1.4					
G78.0	1.3	0.0	0.6	2.2	1.3					
G79.0	1.2	0.0	0.6	2.0	1.2					
G80.0	1.1	0.0	0.5	2.0	1.1					
G81.0	1.0	0.0	0.5	1.9	1.0					
G82.0	0.9	0.0	0.4	1.9	0.9					
G83.0	0.8	0.0	0.3	1.8	0.8					
G84.0	0.7	0.0	0.2	1.7	0.7					
G85.0	0.6	0.0	0.2	1.6	0.6					
G86.0	0.4	0.0	0.1	1.6	0.4					
G87.0	0.3	0.0	0.0	1.5	0.3					
G88.0	0.2	0.0	0.0	1.4	0.2					
G89.0	0.1	0.0	0.0	1.4	0.1					
G90.0	0.0	0.0	0.0	1.3	0.0					
G91.0	0.0	0.0	0.0	1.2	0.0					
G92.0	0.0	0.0	0.0	1.2	0.0					
G93.0	0.0	0.0	0.0	1.1	0.0					
G94.0	0.0	0.0	0.0	1.0	0.0					
G95.0	0.0	0.0	0.0	1.0	0.0					
G96.0	0.0	0.0	0.0	0.9	0.0					
G97.0	0.0	0.0	0.0	0.8	0.0					
G98.0	0.0	0.0	0.0	0.8	0.0					
G99.0	0.0	0.0	0.0	0.8	0.0					
G100.0	0.0	0.0	0.0	0.8	0.0					
G101.0	0.0	0.0	0.0	0.8	0.0					
G102.0	0.0	0.0	0.0	0.8	0.0					
G103.0	0.0	0.0	0.0	0.7	0.0					
G104.0	0.0	0.0	0.0	0.7	0.0					
G105.0	0.0	0.0	0.0	0.7	0.0					
G106.0	0.0	0.0	0.0	0.6	0.0					
G107.0	0.0	0.0	0.0	0.5	0.0					
G108.0	0.0	0.0	0.0	0.5	0.0					
G109.0	0.0	0.0	0.0	0.4	0.0					
G110.0	0.0	0.0	0.0	0.4	0.0					

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	0.0	0.0	0.0	0.3	0.0					
G112.0	0.0	0.0	0.0	0.3	0.0					
G113.0	0.0	0.0	0.1	0.2	0.0					
G114.0	0.0	0.1	0.1	0.2	0.0					
G115.0	0.0	0.1	0.1	0.2	0.0					
G116.0	0.0	0.1	0.1	0.2	0.0					
G117.0	0.0	0.1	0.1	0.1	0.0					
G118.0	0.0	0.1	0.1	0.1	0.0					
G119.0	0.0	0.1	0.2	0.1	0.0					
G120.0	0.0	0.1	0.2	0.1	0.0					
G121.0	0.0	0.2	0.2	0.2	0.0					
G122.0	0.0	0.2	0.3	0.2	0.0					
G123.0	0.0	0.2	0.2	0.2	0.0					
G124.0	0.0	0.2	0.3	0.2	0.0					
G125.0	0.0	0.2	0.3	0.2	0.0					
G126.0	0.0	0.3	0.3	0.2	0.0					
G127.0	0.0	0.3	0.3	0.2	0.0					
G128.0	0.1	0.3	0.3	0.2	0.1					
G129.0	0.1	0.3	0.3	0.2	0.1					
G130.0	0.1	0.4	0.4	0.2	0.1					
G131.0	0.1	0.4	0.4	0.2	0.1					
G132.0	0.1	0.4	0.4	0.1	0.1					
G133.0	0.2	0.4	0.4	0.1	0.2					
G134.0	0.2	0.5	0.4	0.1	0.2					
G135.0	0.2	0.5	0.5	0.1	0.2					
G136.0	0.2	0.5	0.5	0.1	0.2					
G137.0	0.2	0.5	0.5	0.1	0.2					
G138.0	0.2	0.6	0.5	0.1	0.2					
G139.0	0.3	0.6	0.5	0.1	0.3					
G140.0	0.3	0.6	0.6	0.1	0.3					
G141.0	0.3	0.6	0.6	0.1	0.3					
G142.0	0.3	0.6	0.6	0.1	0.3					
G143.0	0.3	0.7	0.6	0.1	0.3					
G144.0	0.3	0.7	0.6	0.1	0.3					
G145.0	0.4	0.7	0.6	0.1	0.4					
G146.0	0.4	0.7	0.6	0.2	0.4					
G147.0	0.4	0.7	0.7	0.2	0.4					

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 4)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G148.0	0.4	0.7	0.7	0.2	0.4					
G149.0	0.4	0.7	0.7	0.2	0.4					
G150.0	0.4	0.7	0.7	0.2	0.4					
G151.0	0.4	0.7	0.7	0.2	0.4					
G152.0	0.5	0.7	0.7	0.2	0.5					
G153.0	0.5	0.7	0.7	0.3	0.5					
G154.0	0.5	0.7	0.7	0.3	0.5					
G155.0	0.5	0.6	0.7	0.3	0.5					
G156.0	0.5	0.6	0.7	0.3	0.5					
G157.0	0.5	0.6	0.8	0.3	0.5					
G158.0	0.5	0.6	0.8	0.3	0.5					
G159.0	0.5	0.6	0.8	0.3	0.5					
G160.0	0.6	0.6	0.8	0.4	0.6					
G161.0	0.6	0.6	0.8	0.4	0.6					
G162.0	0.6	0.5	0.8	0.4	0.6					
G163.0	0.6	0.5	0.8	0.4	0.6					
G164.0	0.6	0.5	0.8	0.4	0.6					
G165.0	0.7	0.5	0.9	0.4	0.7					
G166.0	0.7	0.5	0.9	0.5	0.7					
G167.0	0.7	0.5	0.9	0.5	0.7					
G168.0	0.8	0.5	0.9	0.5	0.8					
G169.0	0.8	0.5	0.9	0.5	0.8					
G170.0	0.8	0.5	1.0	0.5	0.8					
G171.0	0.8	0.5	1.0	0.5	0.8					
G172.0	0.9	0.5	1.0	0.6	0.9					
G173.0	0.9	0.5	1.0	0.6	0.9					
G174.0	0.9	0.5	1.0	0.6	0.9					
G175.0	0.9	0.5	1.0	0.6	0.9					
G176.0	1.0	0.5	1.0	0.6	1.0					
G177.0	1.0	0.5	1.0	0.6	1.0					
G178.0	1.0	0.5	1.0	0.6	1.0					
G179.0	1.0	0.5	1.0	0.6	1.0					
G180.0	1.0	0.5	1.0	0.5	1.0					

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: