

Report No.:

Test Time: 2020-11-3 11:04

## Luminaire Property

Luminaire Manufacturer:

Luminaire Description: MLS026W12V30KD60 (不帶帽沿CXM-7,6.95W)

Lamp Catalog: CXM-7-30-80-36

Voltage: 11.9 V

Power: 6.83 W

Lamp Description: DDC10W12S-160

Current: 0.617 A

Power Factor: 0.926

Volt Amps: 7.38 VA

## Photometric Results

CIE Class: Direct

Measurement Flux: 513.3 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%,75%,100%): H85.2,H49.6,H31.6,H1

Vertical Diffuse Angle(10%,50%,75%,100%): V87.3,V50.8,V33,V0

Luminaire Efficacy Rating (LER): 75.21

Max. Intensity: 658.66 cd

S/MH(C0/C180): 0.77

Total Rated Lamp Lumens: 513.3 lm

Efficiency: 100%

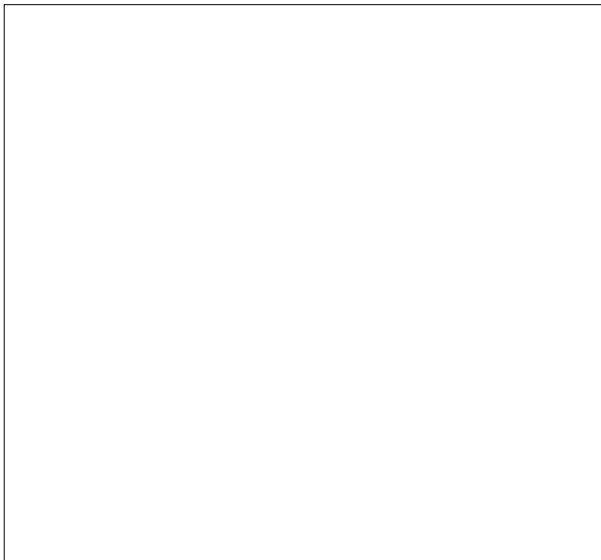
Upward Ratio: 1%

Central Intensity: 647.15 cd

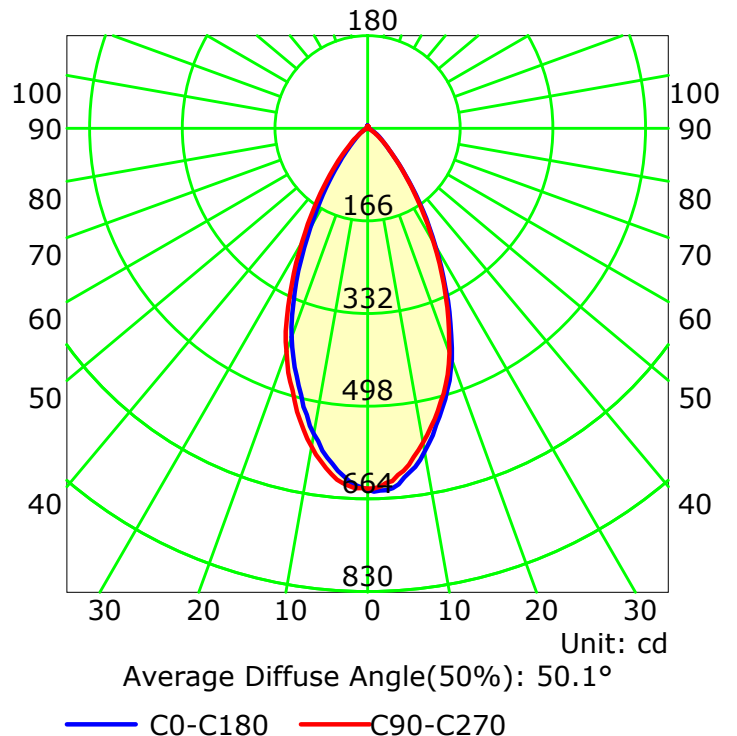
Pos of Max. Intensity: H330 V2

S/MH(C90/C270): 0.79

Picture Of Luminaire



Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

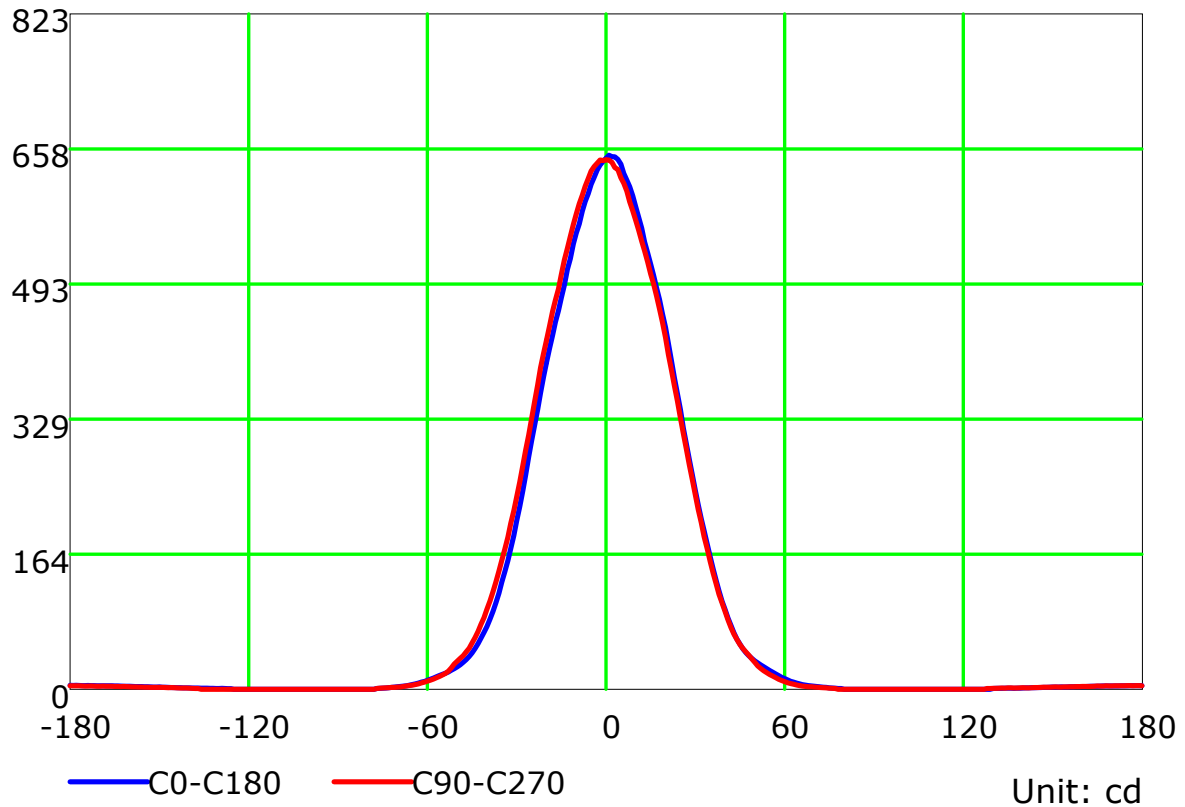
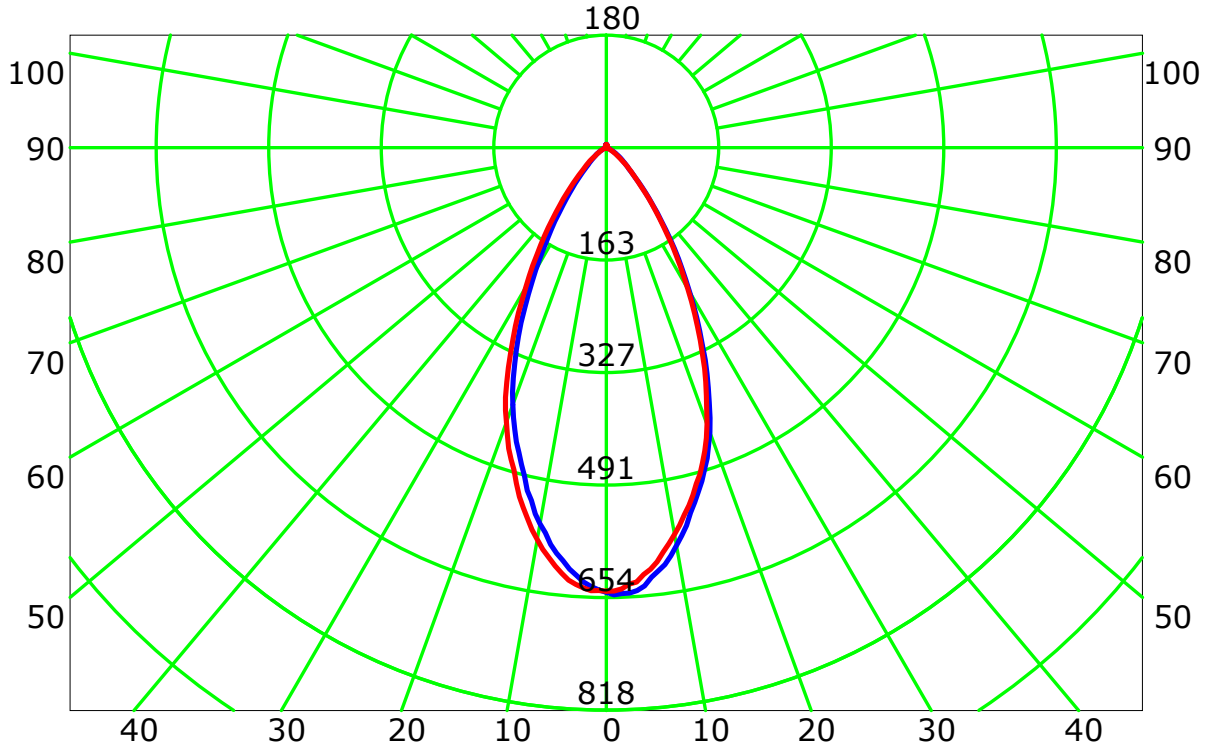
Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

Humidity:

Inspector:

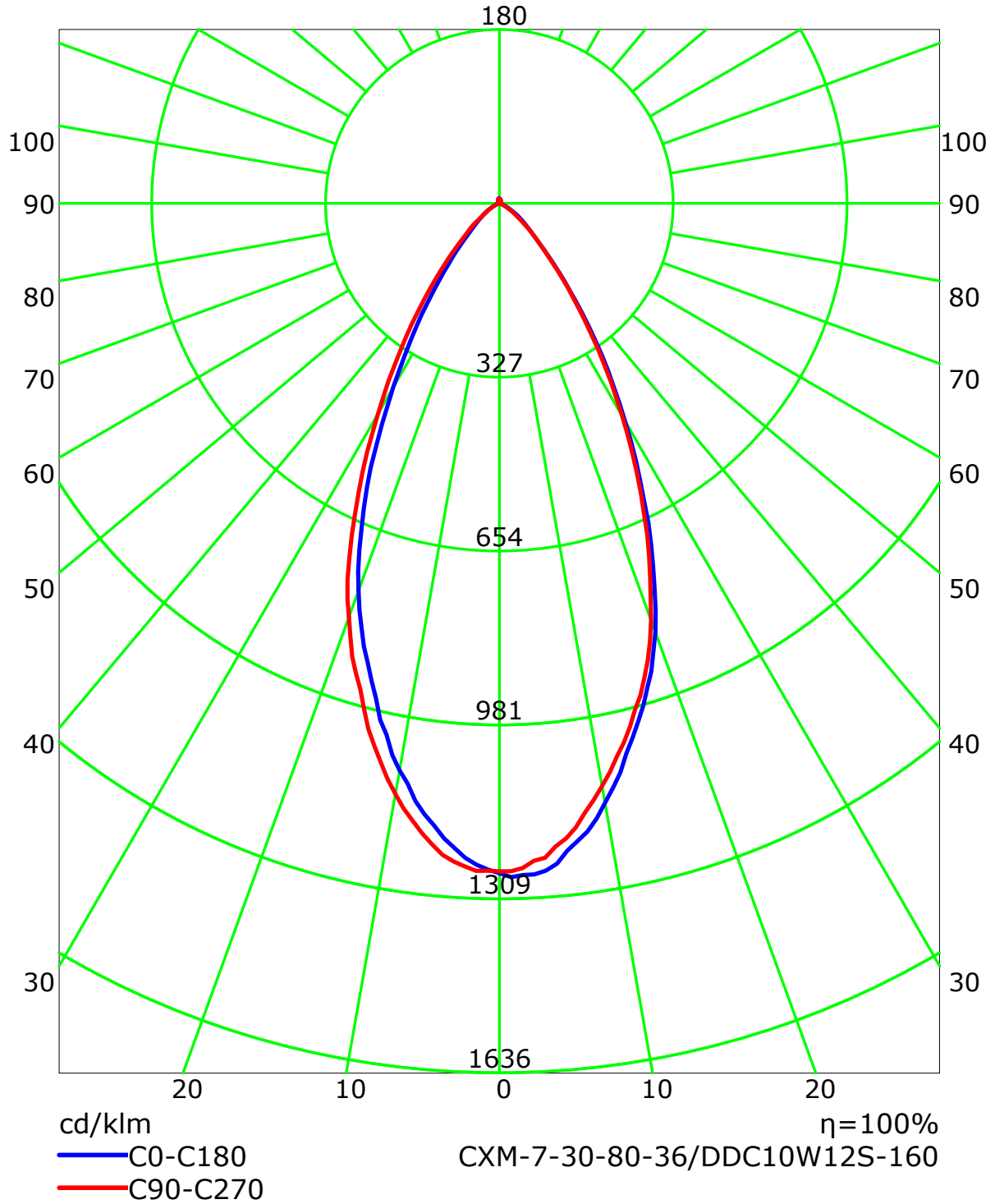
## Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

## Luminous Intensity Distribution Curve(cd/klm)



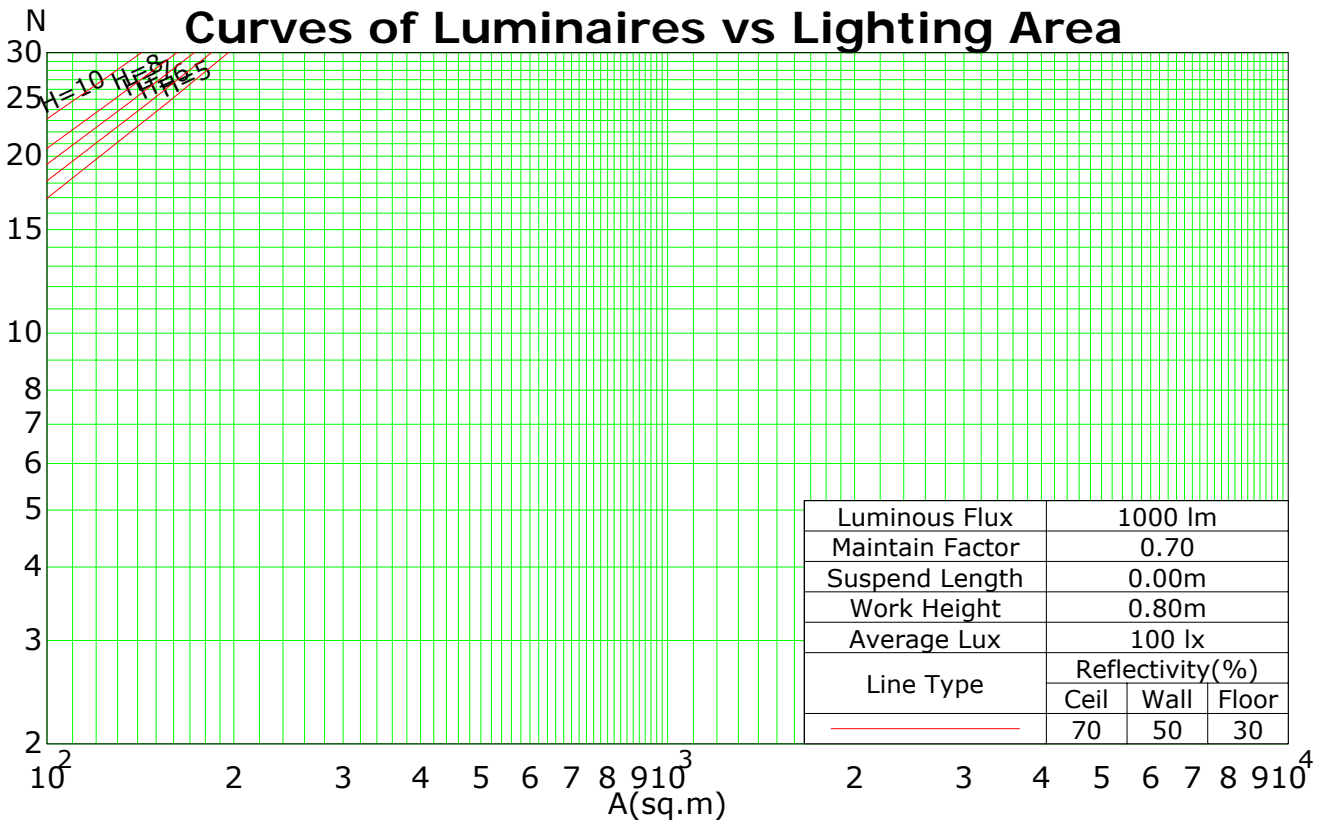
C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

### 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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	113	110	108	105	110	108	106	103	104	102	100	100	98	97	96	95	94	92
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85
3	101	95	90	86	99	93	89	85	91	87	83	88	85	82	86	83	80	79
4	96	88	83	78	94	87	82	78	85	80	77	83	79	76	81	77	75	73
5	91	82	76	72	89	81	76	72	79	75	71	78	73	70	76	72	69	68
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	63
7	82	72	66	62	81	72	66	62	70	65	61	69	64	61	68	64	61	59
8	78	68	62	58	77	68	62	58	66	61	57	65	61	57	64	60	57	55
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	53	52
10	71	61	55	51	70	60	55	51	60	54	51	59	54	51	58	54	50	49

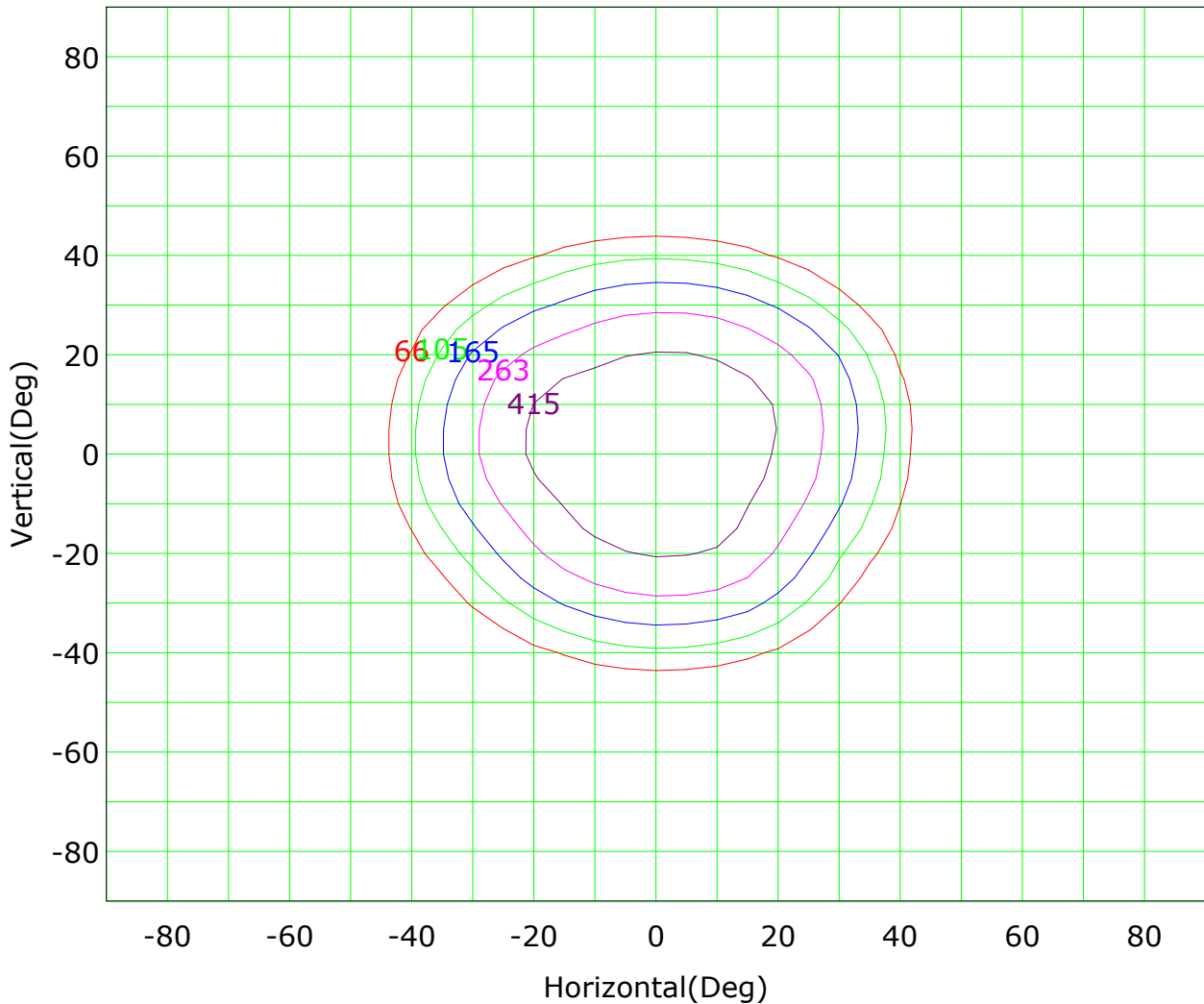
Spacing Criteria (0-180): 0.77  
 Spacing Criteria (90-270): 0.79  
 Spacing Criteria (Diagonal): 0.79



C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

## Isocandela (rectangle)



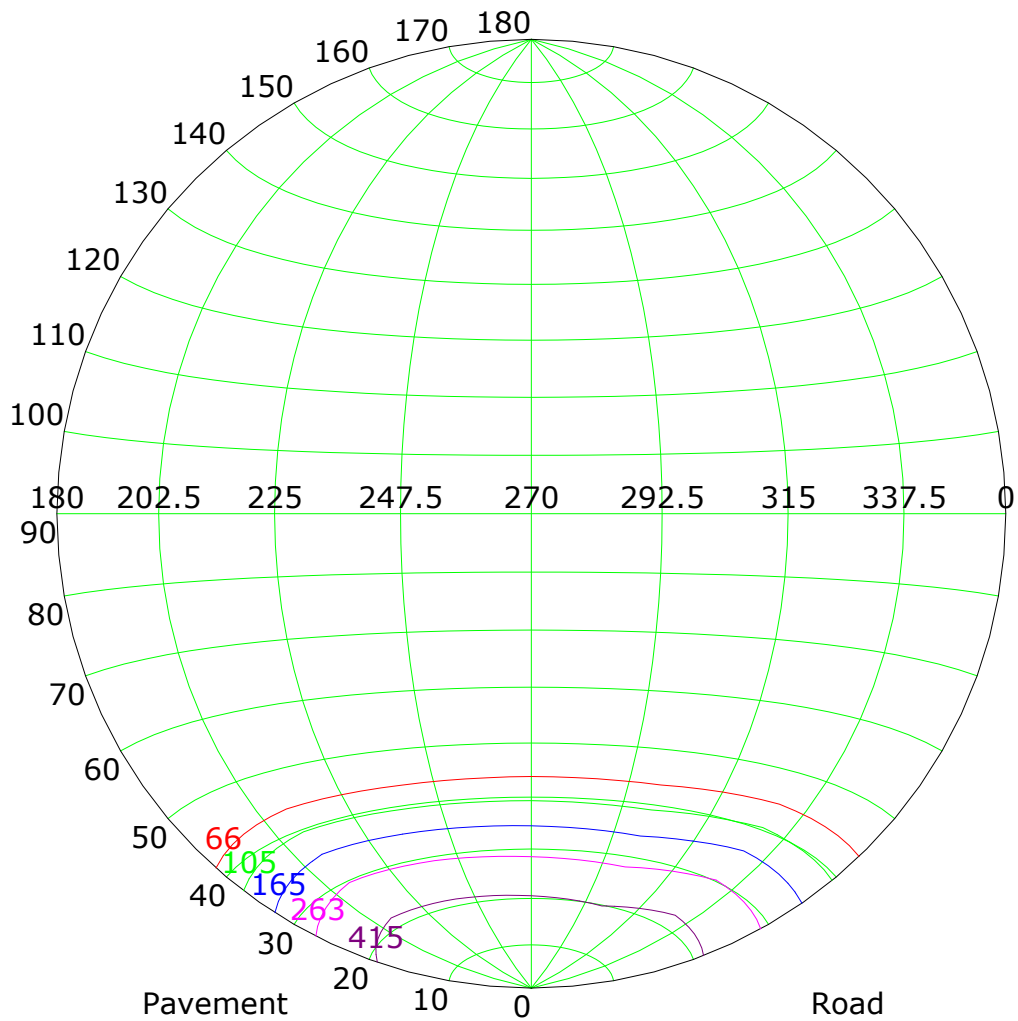
Imax (100%): 659 cd

— ( 10%):	66 cd	— ( 16%):	105 cd
— ( 25%):	165 cd	— ( 40%):	263 cd
— ( 63%):	415 cd	— (100%):	659 cd

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

## Isocandela (sphere)



Imax (100%): 659 cd

— ( 10%):	66 cd	— ( 16%):	105 cd
— ( 25%):	165 cd	— ( 40%):	263 cd
— ( 63%):	415 cd	— (100%):	659 cd

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

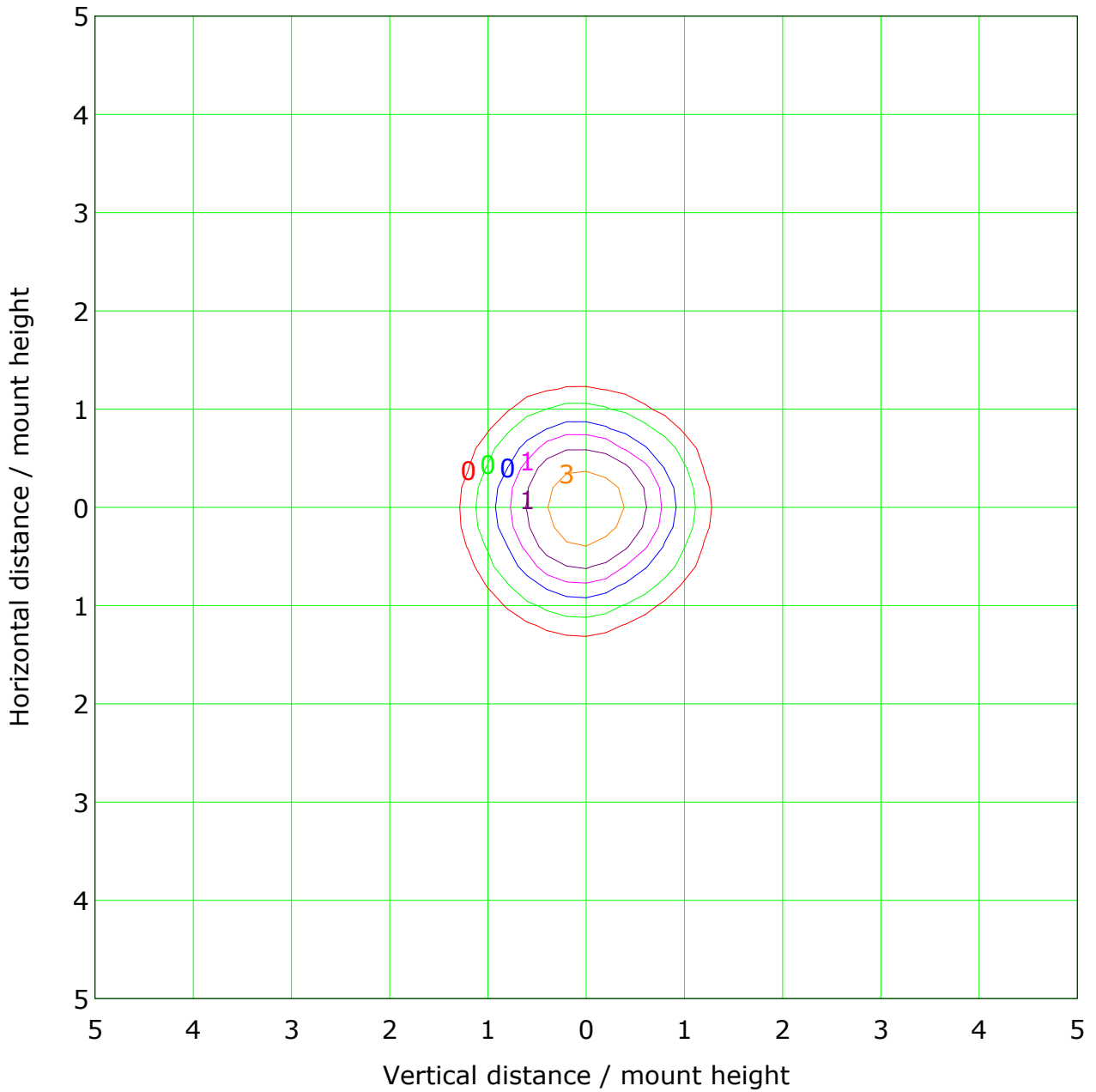
Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

Humidity:

Inspector:

## IsoLux Plot



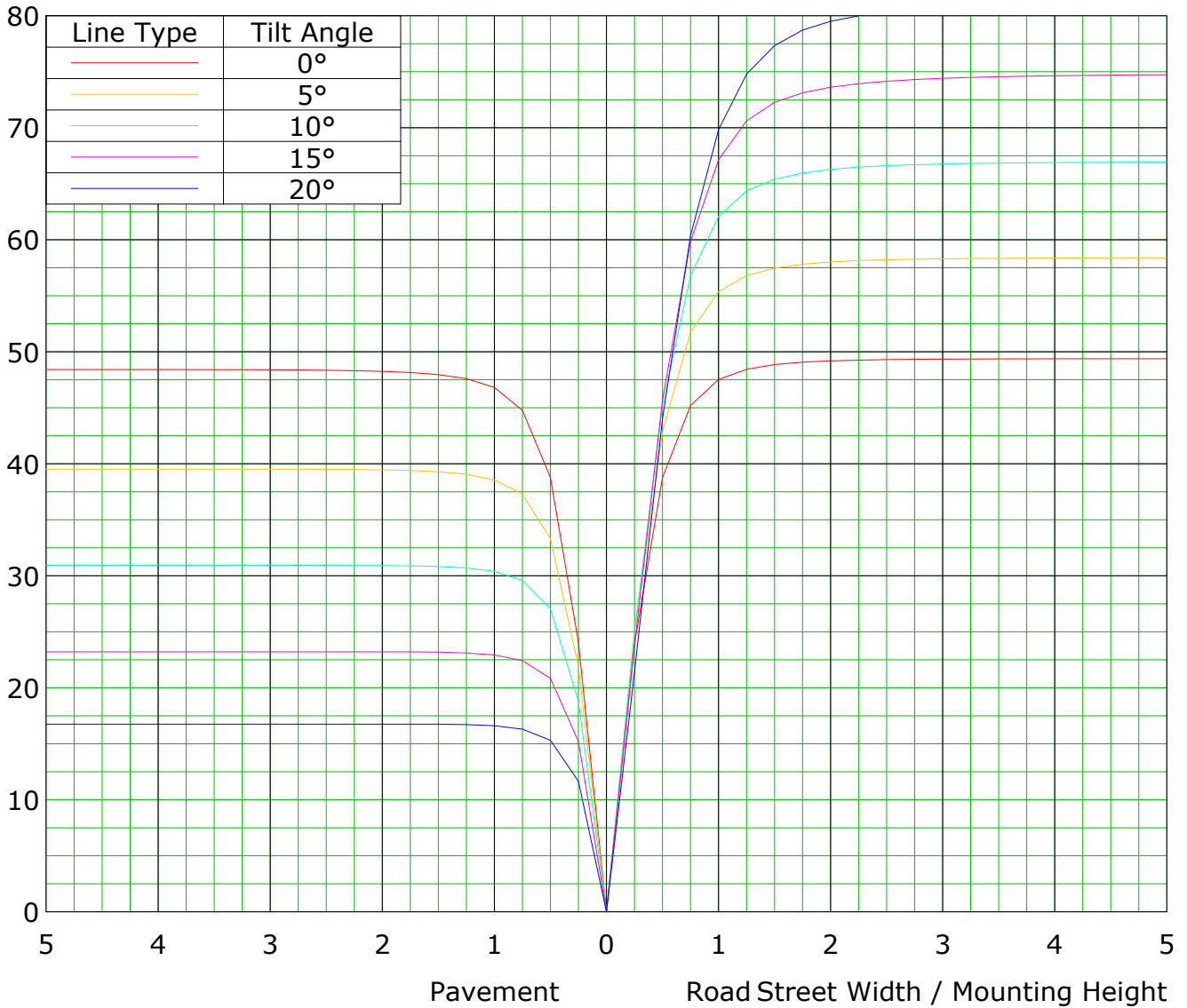
Mounting Height: 10.0m		Max Lux(100%): 6.6 lx	
<ul style="list-style-type: none"> <li><span style="color: red;">—</span> ( 1%): 0.1 lx</li> <li><span style="color: blue;">—</span> ( 5%): 0.3 lx</li> <li><span style="color: purple;">—</span> (20%): 1.3 lx</li> <li><span style="color: green;">—</span> (100%): 6.6 lx</li> </ul>	<ul style="list-style-type: none"> <li><span style="color: green;">—</span> ( 2%): 0.1 lx</li> <li><span style="color: pink;">—</span> (10%): 0.7 lx</li> <li><span style="color: orange;">—</span> (50%): 3.3 lx</li> </ul>		

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

## Roadway CU Curve

Efficiency(%)



C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

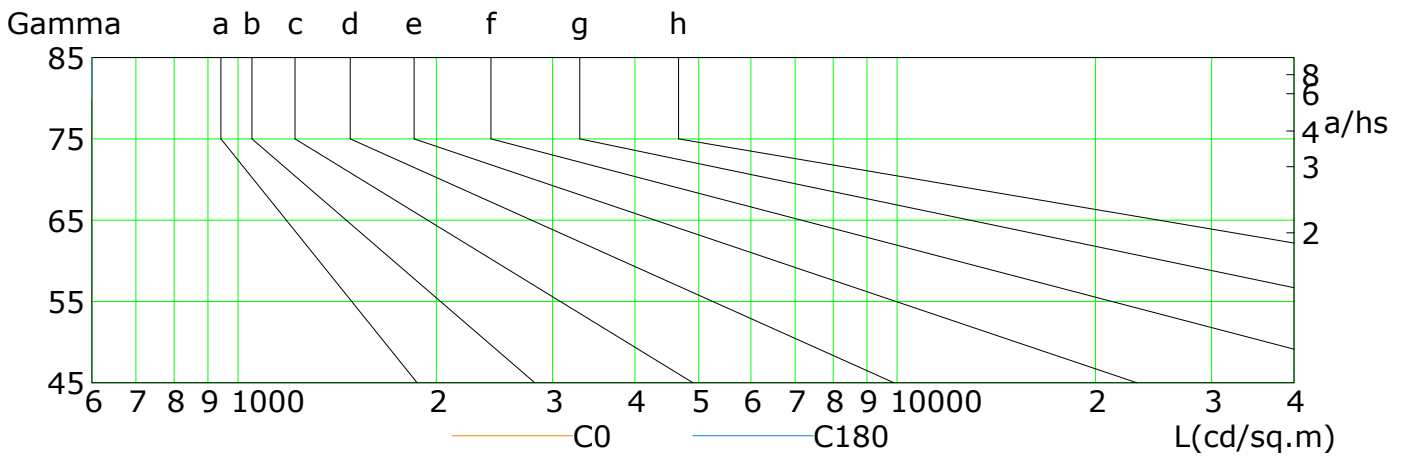
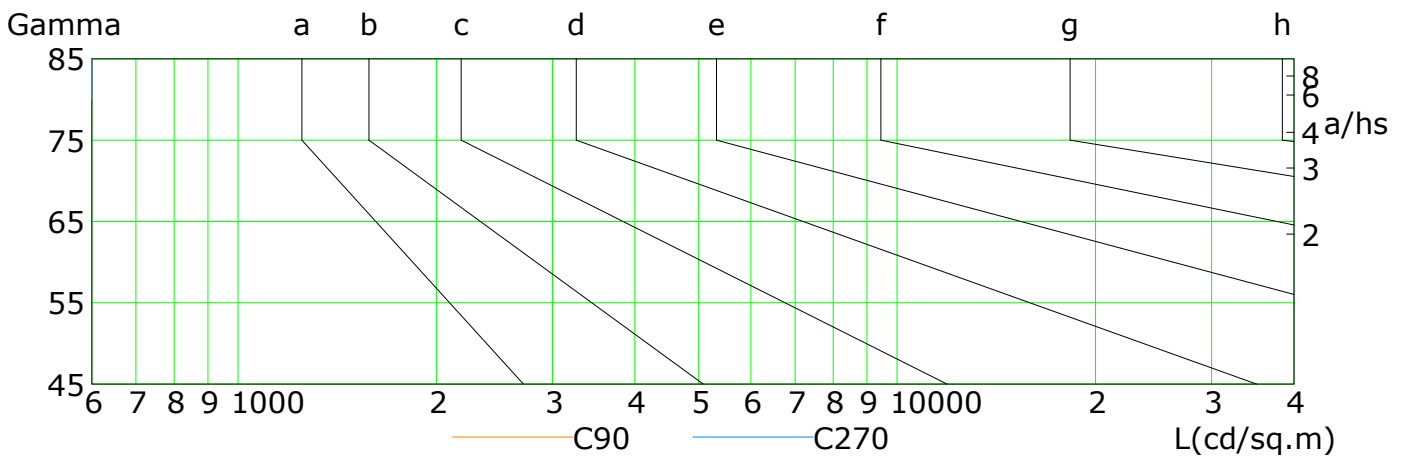
Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:



## Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
		2000	1000	500	<=300				
1.15	A								
1.50	B								
1.85	C								
2.20	D								
2.55	E								

a b c d e f g h



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	55	35	23	13	7	4	2	0	0
C90	54	33	18	9	5	3	2	0	0
C180	44	27	18	11	6	3	2	0	0
C270	57	34	17	10	5	3	2	0	0

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

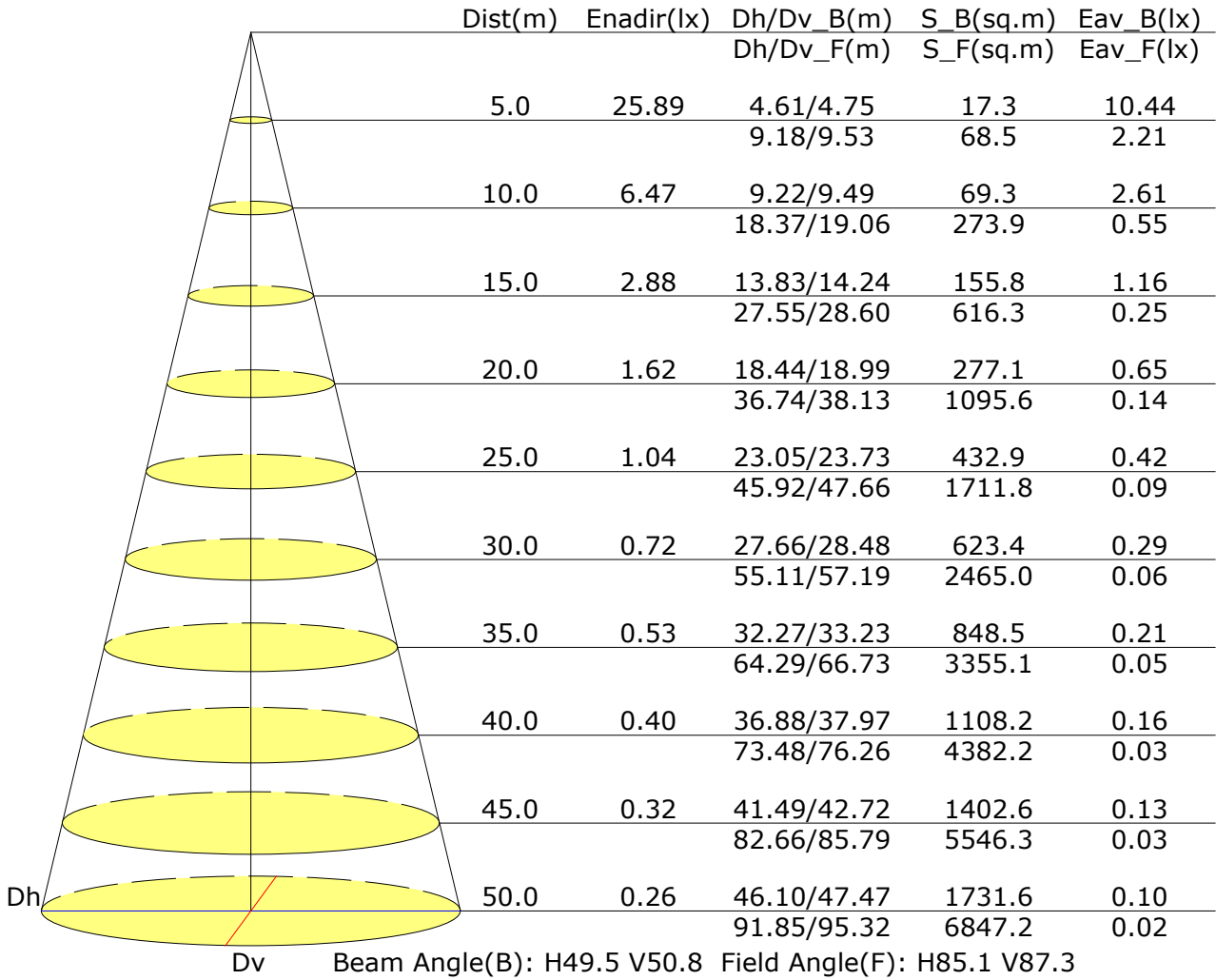
Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

Humidity:

Inspector:

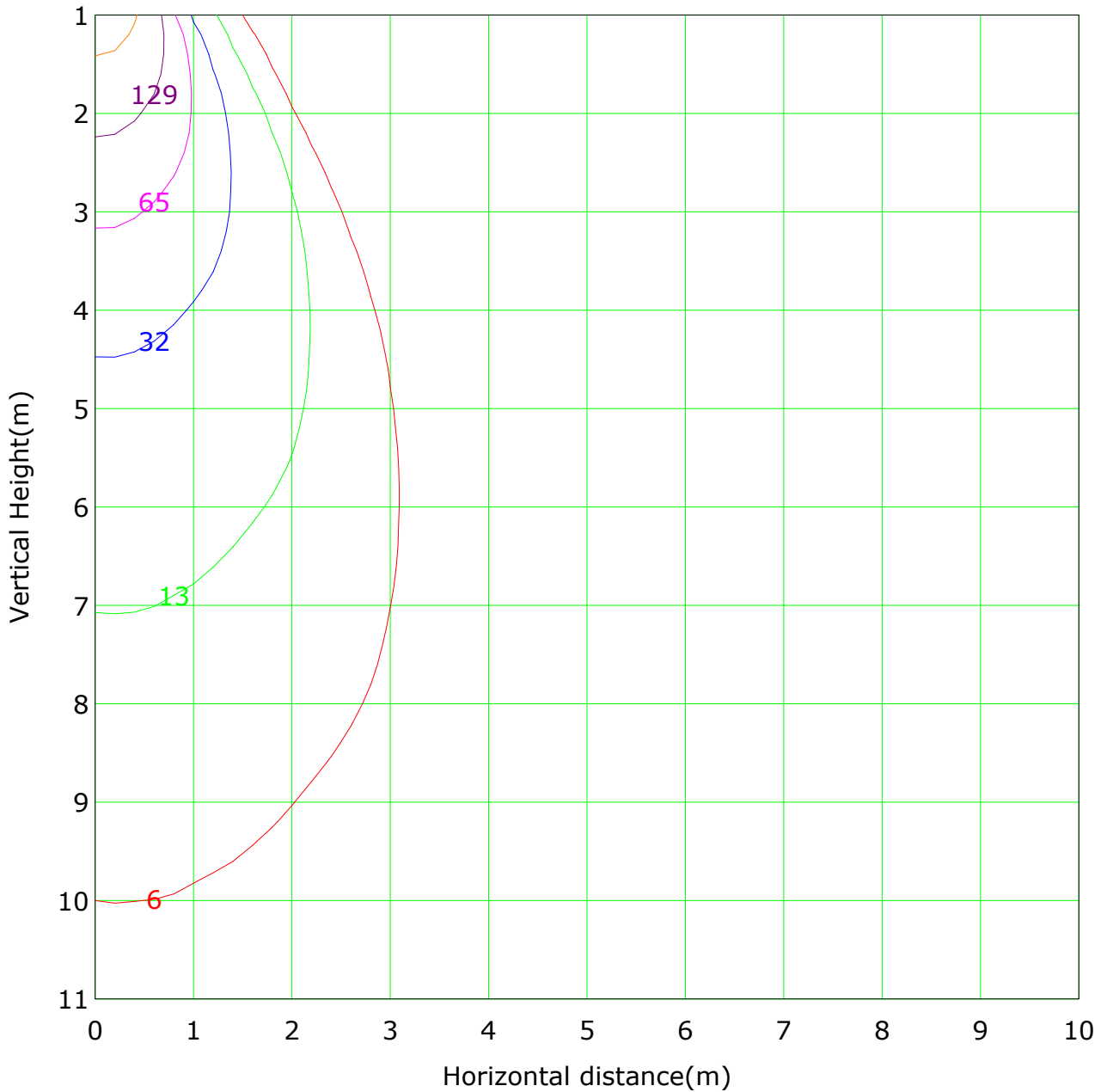
## Illuminance at a Distance



C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

## Vertical IsoLux Plot



Lowest(m): 1.0m    Highest(m): 11.0m    Max Lux: 647.2 lx

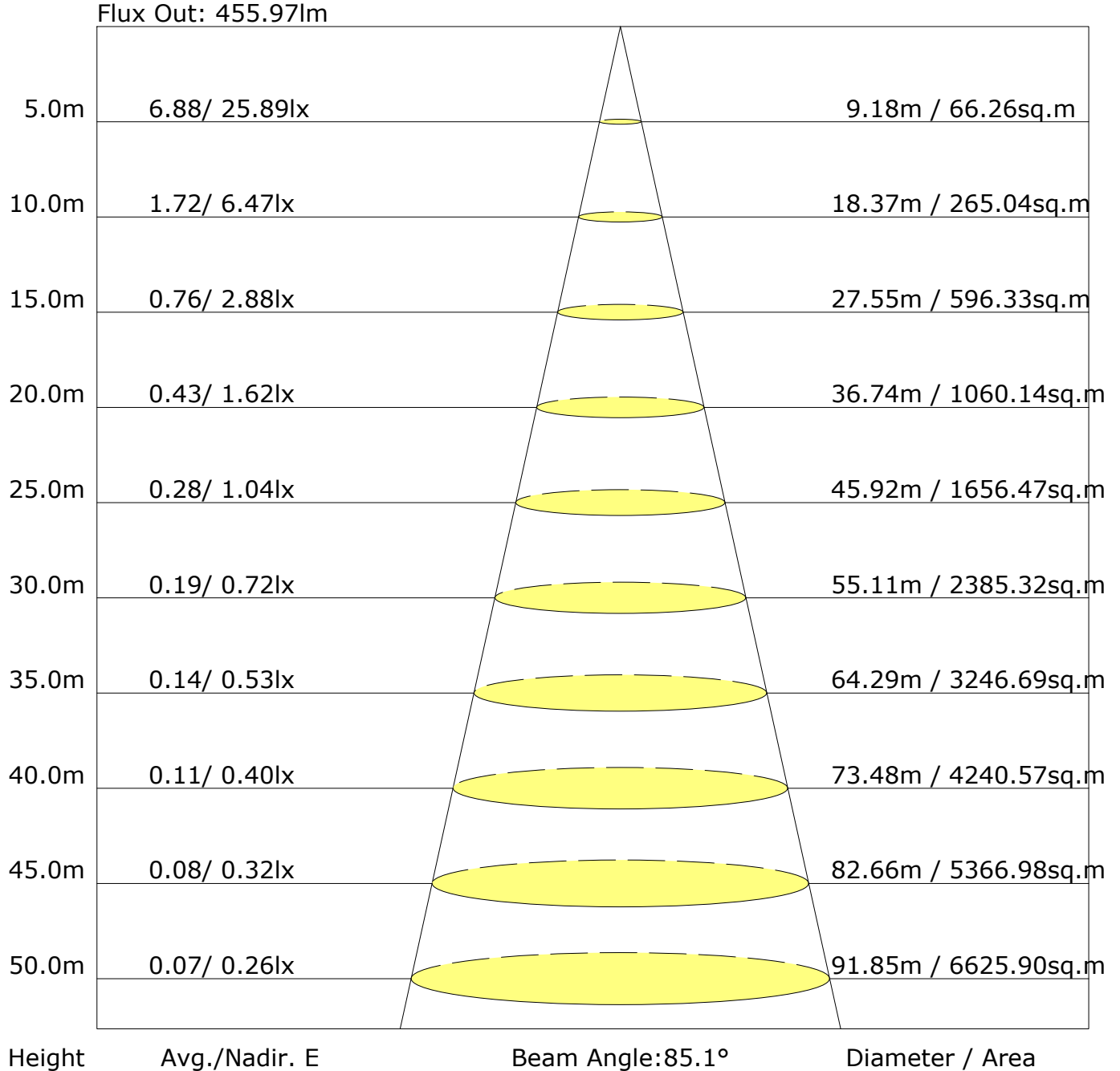
— ( 1%): 6.5 lx	— ( 2%): 12.9 lx
— ( 5%): 32.4 lx	— ( 10%): 64.7 lx
— ( 20%): 129.4 lx	— ( 50%): 323.6 lx
— (100%): 647.2 lx	

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:



## The Average Illuminance Effective Figure



C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 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	-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 513lm ( $8\log(F/F_0) = -2.3$ ).

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

**FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM**

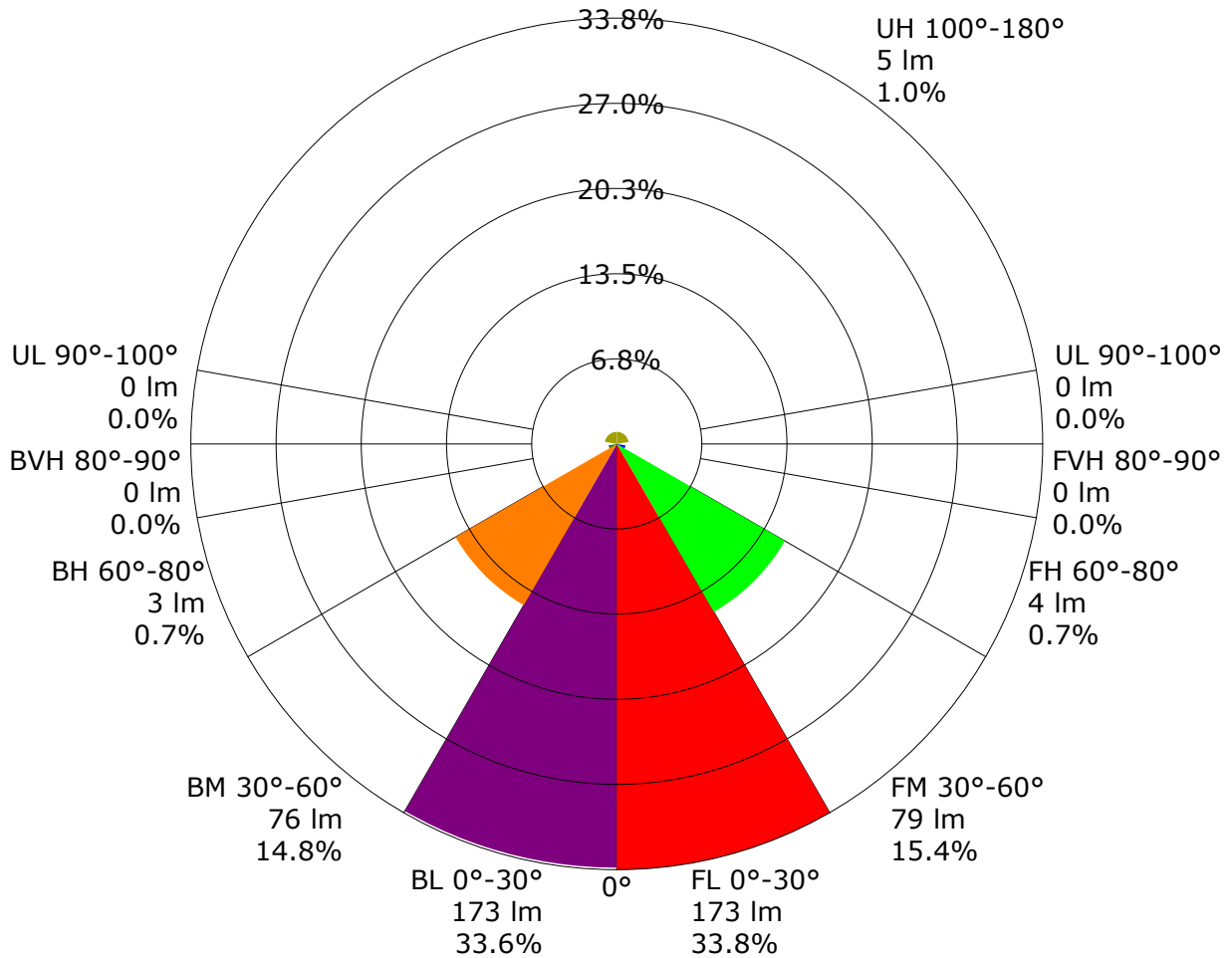
	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	256	49.9
	FL ( 0°-30°)	173	33.8
	FM (30°-60°)	79	15.4
	FH (60°-80°)	4	0.7
	FVH (80°-90°)	0	0.0
	BACK LIGHT	252	49.1
	BL ( 0°-30°)	173	33.6
	BM (30°-60°)	76	14.8
	BH (60°-80°)	3	0.7
	BVH (80°-90°)	0	0.0
	UP LIGHT	5	1.0
	UL (90°-100°)	0	0.0
	UH (100°-180°)	5	1.0
	TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U1 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U1 G0

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

### LCS Graph



**Back Light**

**Forward Light**

Scale= MAX LCS%

Trapped Light:NA,NA



## Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 0.75									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.80	0.87	0.92	0.96	1.01	1.04	1.06	1.08	1.10	
	0.30		0.75	0.83	0.88	0.92	0.97	1.00	1.03	1.06	1.08	
	0.20		0.71	0.79	0.84	0.88	0.94	0.97	1.00	1.04	1.06	
0.50	0.50	0.20	0.79	0.86	0.90	0.93	0.98	1.00	1.02	1.04	1.06	
	0.30		0.74	0.81	0.86	0.90	0.94	0.97	1.00	1.02	1.04	
	0.20		0.71	0.78	0.83	0.87	0.92	0.95	0.97	1.01	1.02	
0.30	0.50	0.20	0.77	0.84	0.88	0.91	0.95	0.97	0.99	1.00	1.02	
	0.30		0.73	0.80	0.85	0.88	0.92	0.95	0.97	0.99	1.00	
	0.20		0.70	0.77	0.82	0.86	0.90	0.93	0.95	0.98	0.99	
0.00	0.00	0.00	0.68	0.75	0.80	0.83	0.87	0.89	0.91	0.93	0.94	
<p>Rating:7W Photometrically tested without ceiling board.            Multiply UF values by service correction factors            Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

## Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 0.75									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.65	0.52	0.43	0.37	0.29	0.24	0.20	0.16	0.13	
	0.30		0.54	0.44	0.38	0.33	0.26	0.22	0.19	0.15	0.12	
	0.20		0.46	0.39	0.34	0.29	0.24	0.20	0.17	0.14	0.11	
0.50	0.50	0.20	0.62	0.49	0.41	0.35	0.27	0.26	0.19	0.14	0.12	
	0.30		0.52	0.43	0.36	0.31	0.25	0.20	0.18	0.13	0.11	
	0.20		0.45	0.38	0.32	0.28	0.23	0.19	0.16	0.13	0.11	
0.30	0.50	0.20	0.59	0.46	0.38	0.33	0.25	0.20	0.17	0.13	0.11	
	0.30		0.51	0.41	0.34	0.30	0.23	0.19	0.16	0.13	0.10	
	0.20		0.44	0.36	0.31	0.27	0.22	0.18	0.15	0.12	0.10	
0.00	0.00	0.00	0.31	0.24	0.20	0.17	0.13	0.10	0.09	0.07	0.05	
<p>Rating:7W Photometrically tested without ceiling board.            Multiply UF values by service correction factors            Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

## Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 0.75								
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.14	0.16	0.17	0.18	0.19	0.20	0.20	0.21	0.22
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.20	0.20
	0.20		0.07	0.09	0.10	0.12	0.14	0.15	0.16	0.18	0.19
0.50	0.50	0.20	0.14	0.15	0.16	0.17	0.18	0.19	0.20	0.20	0.21
	0.30		0.10	0.11	0.13	0.14	0.16	0.17	0.18	0.19	0.20
	0.20		0.07	0.09	0.10	0.11	0.13	0.15	0.16	0.17	0.18
0.30	0.50	0.20	0.13	0.15	0.16	0.16	0.18	0.18	0.19	0.20	0.20
	0.30		0.09	0.11	0.13	0.14	0.15	0.16	0.17	0.18	0.19
	0.20		0.07	0.08	0.10	0.11	0.13	0.15	0.16	0.17	0.18
0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
<p>Rating:7W Photometrically tested without ceiling board.            Multiply UF values by service correction factors            Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>											

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 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	646.5	0.6	0.6	0.12	0.12
1.0-2.0	645.4	1.9	2.5	0.36	0.48
2.0-3.0	642.1	3.1	5.5	0.60	1.08
3.0-4.0	637.3	4.3	9.8	0.83	1.91
4.0-5.0	630.8	5.4	15.2	1.06	2.97
5.0-6.0	622.5	6.5	21.8	1.27	4.24
6.0-7.0	613.4	7.6	29.4	1.48	5.73
7.0-8.0	603.3	8.6	38.0	1.68	7.41
8.0-9.0	591.9	9.6	47.6	1.87	9.28
9.0-10.0	579.4	10.5	58.1	2.04	11.32
10.0-11.0	566.6	11.3	69.4	2.21	13.53
11.0-12.0	553.2	12.1	81.5	2.36	15.88
12.0-13.0	538.7	12.8	94.3	2.49	18.37
13.0-14.0	523.9	13.4	107.7	2.61	20.99
14.0-15.0	508.8	14.0	121.7	2.72	23.71
15.0-16.0	493.9	14.5	136.2	2.82	26.53
16.0-17.0	479.4	14.9	151.1	2.91	29.44
17.0-18.0	464.3	15.3	166.4	2.98	32.42
18.0-19.0	448.2	15.6	182.0	3.04	35.46
19.0-20.0	431.3	15.8	197.8	3.08	38.53
20.0-21.0	413.6	15.9	213.7	3.09	41.63
21.0-22.0	395.1	15.9	229.6	3.09	44.72
22.0-23.0	375.6	15.8	245.3	3.07	47.79
23.0-24.0	356.0	15.6	260.9	3.03	50.82
24.0-25.0	336.7	15.3	276.2	2.98	53.81
25.0-26.0	316.7	15.0	291.2	2.91	56.72
26.0-27.0	296.6	14.5	305.7	2.83	59.55
27.0-28.0	277.0	14.0	319.7	2.73	62.28
28.0-29.0	257.9	13.5	333.2	2.63	64.91
29.0-30.0	239.2	12.9	346.1	2.52	67.42
30.0-31.0	221.4	12.3	358.4	2.40	69.82
31.0-32.0	204.4	11.7	370.1	2.28	72.10
32.0-33.0	188.3	11.1	381.2	2.16	74.27
33.0-34.0	173.1	10.5	391.7	2.04	76.31
34.0-35.0	158.5	9.8	401.6	1.92	78.23
35.0-36.0	144.4	9.2	410.7	1.79	80.02

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 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	131.0	8.5	419.3	1.66	81.68
37.0-38.0	118.3	7.9	427.2	1.54	83.22
38.0-39.0	106.8	7.3	434.5	1.42	84.64
39.0-40.0	96.3	6.7	441.2	1.31	85.95
40.0-41.0	86.5	6.2	447.4	1.20	87.15
41.0-42.0	77.6	5.6	453.0	1.10	88.25
42.0-43.0	69.2	5.1	458.1	1.00	89.25
43.0-44.0	61.8	4.7	462.8	0.91	90.15
44.0-45.0	55.4	4.3	467.0	0.83	90.98
45.0-46.0	49.8	3.9	470.9	0.76	91.74
46.0-47.0	45.1	3.6	474.5	0.70	92.44
47.0-48.0	41.2	3.3	477.9	0.65	93.09
48.0-49.0	37.4	3.1	480.9	0.60	93.69
49.0-50.0	33.9	2.8	483.8	0.55	94.24
50.0-51.0	30.5	2.6	486.3	0.50	94.74
51.0-52.0	27.2	2.3	488.7	0.46	95.20
52.0-53.0	24.2	2.1	490.8	0.41	95.61
53.0-54.0	21.7	1.9	492.7	0.37	95.98
54.0-55.0	19.6	1.8	494.4	0.34	96.32
55.0-56.0	17.8	1.6	496.1	0.31	96.64
56.0-57.0	16.1	1.5	497.5	0.29	96.92
57.0-58.0	14.4	1.3	498.9	0.26	97.18
58.0-59.0	12.7	1.2	500.0	0.23	97.41
59.0-60.0	11.3	1.1	501.1	0.21	97.62
60.0-61.0	9.9	0.9	502.1	0.18	97.81
61.0-62.0	8.7	0.8	502.9	0.16	97.97
62.0-63.0	7.6	0.7	503.6	0.14	98.11
63.0-64.0	6.7	0.7	504.3	0.13	98.24
64.0-65.0	5.8	0.6	504.9	0.11	98.35
65.0-66.0	5.0	0.5	505.4	0.10	98.45
66.0-67.0	4.4	0.4	505.8	0.09	98.54
67.0-68.0	3.9	0.4	506.2	0.08	98.61
68.0-69.0	3.5	0.4	506.6	0.07	98.68
69.0-70.0	3.1	0.3	506.9	0.06	98.74
70.0-71.0	2.8	0.3	507.2	0.06	98.80
71.0-72.0	2.5	0.3	507.4	0.05	98.85

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 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	2.2	0.2	507.7	0.04	98.89
73.0-74.0	1.9	0.2	507.9	0.04	98.93
74.0-75.0	1.7	0.2	508.0	0.03	98.97
75.0-76.0	1.3	0.1	508.2	0.03	99.00
76.0-77.0	0.9	0.1	508.3	0.02	99.01
77.0-78.0	0.4	0.0	508.3	0.01	99.02
78.0-79.0	0.2	0.0	508.3	0.00	99.03
79.0-80.0	0.1	0.0	508.3	0.00	99.03
80.0-81.0	0.0	0.0	508.3	0.00	99.03
81.0-82.0	0.0	0.0	508.3	0.00	99.03
82.0-83.0	0.0	0.0	508.3	0.00	99.03
83.0-84.0	0.0	0.0	508.3	0.00	99.03
84.0-85.0	0.0	0.0	508.3	0.00	99.03
85.0-86.0	0.0	0.0	508.3	0.00	99.03
86.0-87.0	0.0	0.0	508.3	0.00	99.03
87.0-88.0	0.0	0.0	508.3	0.00	99.03
88.0-89.0	0.0	0.0	508.3	0.00	99.03
89.0-90.0	0.0	0.0	508.3	0.00	99.03
90.0-91.0	0.0	0.0	508.3	0.00	99.03
91.0-92.0	0.0	0.0	508.3	0.00	99.03
92.0-93.0	0.0	0.0	508.3	0.00	99.03
93.0-94.0	0.0	0.0	508.3	0.00	99.03
94.0-95.0	0.0	0.0	508.3	0.00	99.03
95.0-96.0	0.0	0.0	508.3	0.00	99.03
96.0-97.0	0.0	0.0	508.3	0.00	99.03
97.0-98.0	0.0	0.0	508.3	0.00	99.03
98.0-99.0	0.0	0.0	508.3	0.00	99.03
99.0-100.0	0.0	0.0	508.3	0.00	99.03
100.0-101.0	0.0	0.0	508.3	0.00	99.03
101.0-102.0	0.0	0.0	508.3	0.00	99.03
102.0-103.0	0.0	0.0	508.3	0.00	99.03
103.0-104.0	0.0	0.0	508.3	0.00	99.03
104.0-105.0	0.0	0.0	508.3	0.00	99.03
105.0-106.0	0.0	0.0	508.3	0.00	99.03
106.0-107.0	0.0	0.0	508.3	0.00	99.03
107.0-108.0	0.0	0.0	508.3	0.00	99.03

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 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	0.0	0.0	508.3	0.00	99.03
109.0-110.0	0.0	0.0	508.3	0.00	99.03
110.0-111.0	0.0	0.0	508.3	0.00	99.03
111.0-112.0	0.0	0.0	508.3	0.00	99.03
112.0-113.0	0.0	0.0	508.3	0.00	99.03
113.0-114.0	0.0	0.0	508.3	0.00	99.03
114.0-115.0	0.0	0.0	508.3	0.00	99.03
115.0-116.0	0.0	0.0	508.3	0.00	99.03
116.0-117.0	0.0	0.0	508.3	0.00	99.03
117.0-118.0	0.0	0.0	508.3	0.00	99.03
118.0-119.0	0.0	0.0	508.3	0.00	99.03
119.0-120.0	0.0	0.0	508.3	0.00	99.03
120.0-121.0	0.0	0.0	508.3	0.00	99.03
121.0-122.0	0.0	0.0	508.3	0.00	99.03
122.0-123.0	0.0	0.0	508.3	0.00	99.03
123.0-124.0	0.0	0.0	508.3	0.00	99.03
124.0-125.0	0.0	0.0	508.3	0.00	99.03
125.0-126.0	0.0	0.0	508.3	0.00	99.03
126.0-127.0	0.1	0.0	508.3	0.00	99.03
127.0-128.0	0.2	0.0	508.4	0.00	99.03
128.0-129.0	0.3	0.0	508.4	0.00	99.04
129.0-130.0	0.4	0.0	508.4	0.01	99.05
130.0-131.0	0.6	0.0	508.5	0.01	99.06
131.0-132.0	0.6	0.0	508.5	0.01	99.07
132.0-133.0	0.6	0.1	508.6	0.01	99.07
133.0-134.0	0.7	0.1	508.6	0.01	99.09
134.0-135.0	0.9	0.1	508.7	0.01	99.10
135.0-136.0	1.1	0.1	508.8	0.02	99.12
136.0-137.0	1.2	0.1	508.9	0.02	99.13
137.0-138.0	1.3	0.1	509.0	0.02	99.15
138.0-139.0	1.5	0.1	509.1	0.02	99.17
139.0-140.0	1.6	0.1	509.2	0.02	99.19
140.0-141.0	1.7	0.1	509.3	0.02	99.22
141.0-142.0	1.7	0.1	509.4	0.02	99.24
142.0-143.0	1.8	0.1	509.5	0.02	99.26
143.0-144.0	1.9	0.1	509.7	0.02	99.29

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 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	2.0	0.1	509.8	0.03	99.31
145.0-146.0	2.1	0.1	509.9	0.03	99.34
146.0-147.0	2.2	0.1	510.1	0.03	99.37
147.0-148.0	2.3	0.1	510.2	0.03	99.39
148.0-149.0	2.4	0.1	510.3	0.03	99.42
149.0-150.0	2.5	0.1	510.5	0.03	99.45
150.0-151.0	2.6	0.1	510.6	0.03	99.47
151.0-152.0	2.7	0.1	510.8	0.03	99.50
152.0-153.0	2.8	0.1	510.9	0.03	99.53
153.0-154.0	2.8	0.1	511.0	0.03	99.56
154.0-155.0	2.9	0.1	511.2	0.03	99.58
155.0-156.0	3.0	0.1	511.3	0.03	99.61
156.0-157.0	3.1	0.1	511.5	0.03	99.64
157.0-158.0	3.2	0.1	511.6	0.03	99.66
158.0-159.0	3.3	0.1	511.7	0.03	99.69
159.0-160.0	3.4	0.1	511.9	0.03	99.71
160.0-161.0	3.5	0.1	512.0	0.02	99.74
161.0-162.0	3.5	0.1	512.1	0.02	99.76
162.0-163.0	3.6	0.1	512.2	0.02	99.79
163.0-164.0	3.7	0.1	512.3	0.02	99.81
164.0-165.0	3.8	0.1	512.4	0.02	99.83
165.0-166.0	3.9	0.1	512.6	0.02	99.85
166.0-167.0	3.9	0.1	512.7	0.02	99.87
167.0-168.0	4.0	0.1	512.7	0.02	99.89
168.0-169.0	4.0	0.1	512.8	0.02	99.91
169.0-170.0	4.1	0.1	512.9	0.02	99.92
170.0-171.0	4.1	0.1	513.0	0.01	99.94
171.0-172.0	4.2	0.1	513.1	0.01	99.95
172.0-173.0	4.2	0.1	513.1	0.01	99.96
173.0-174.0	4.3	0.1	513.2	0.01	99.97
174.0-175.0	4.3	0.0	513.2	0.01	99.98
175.0-176.0	4.3	0.0	513.3	0.01	99.99
176.0-177.0	4.4	0.0	513.3	0.01	99.99
177.0-178.0	4.4	0.0	513.3	0.00	100.00
178.0-179.0	4.4	0.0	513.3	0.00	100.00
179.0-180.0	4.4	0.0	513.3	0.00	100.00

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:



## Candlepower Table

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G0.0	647.2	647.2	644.4	645.4	644.7	650.8	647.2	647.2	644.4	645.4
G1.0	651.1	644.2	644.8	645.3	644.2	647.3	643.7	646.0	648.0	644.8
G2.0	649.3	638.8	640.3	642.6	644.0	640.1	639.3	644.6	644.9	645.2
G3.0	649.3	631.9	634.9	636.2	637.5	632.9	633.1	645.5	641.1	641.5
G4.0	646.2	625.2	628.6	633.7	634.5	619.3	624.3	640.4	640.8	637.3
G5.0	640.3	612.9	619.1	623.7	628.2	609.0	615.7	633.8	631.2	631.8
G6.0	628.8	602.8	610.4	617.0	619.4	595.4	604.4	626.5	623.7	622.8
G7.0	620.7	590.3	599.7	607.4	609.6	584.2	594.7	620.7	615.1	613.3
G8.0	612.8	579.3	585.3	594.4	600.5	572.4	583.1	609.1	606.9	602.4
G9.0	601.5	564.0	570.5	583.5	591.7	557.7	567.4	601.0	594.0	592.0
G10.0	588.0	550.1	560.4	571.6	579.1	541.1	556.1	586.2	581.2	579.3
G11.0	575.4	536.1	547.1	559.8	567.0	525.4	543.0	574.4	570.3	566.6
G12.0	562.3	519.6	532.7	546.4	553.8	511.6	524.9	563.1	555.4	552.1
G13.0	545.5	502.5	516.6	534.7	541.5	495.0	512.2	550.7	542.0	537.8
G14.0	532.2	484.6	502.6	521.3	531.1	477.4	492.9	536.1	527.0	523.5
G15.0	518.3	468.6	486.8	506.5	515.9	462.3	477.5	523.3	513.6	505.8
G16.0	504.8	452.0	470.1	494.5	505.5	447.0	461.8	511.1	501.1	488.0
G17.0	489.2	437.1	457.0	479.4	491.4	432.8	447.8	495.4	487.3	474.6
G18.0	475.4	419.6	442.0	464.1	474.9	413.8	431.4	482.4	472.4	460.4
G19.0	457.4	403.7	426.6	447.2	458.9	396.5	415.4	465.3	456.9	442.7
G20.0	441.0	384.9	409.1	428.8	439.0	379.1	398.3	449.9	440.7	425.4
G21.0	421.4	367.7	390.7	407.9	421.6	360.4	381.2	430.1	423.5	409.7
G22.0	400.2	348.8	371.0	389.1	405.7	339.5	361.4	413.6	405.0	392.1
G23.0	380.0	328.0	352.5	370.4	383.5	321.0	341.2	391.4	383.7	371.0
G24.0	360.4	310.8	333.8	351.7	364.6	301.8	321.9	374.8	363.8	350.7
G25.0	341.0	292.5	315.6	330.8	344.8	280.3	302.9	354.0	344.5	329.8
G26.0	318.5	270.9	294.1	312.0	323.5	257.4	283.6	335.1	326.3	310.0
G27.0	299.2	250.6	273.9	292.9	304.8	238.6	261.3	314.6	307.3	291.7
G28.0	280.7	232.0	255.4	274.2	285.0	219.6	241.9	296.1	286.4	272.4
G29.0	261.7	213.8	236.2	255.8	264.7	201.7	222.6	276.3	266.2	252.5
G30.0	242.4	195.5	218.1	237.2	246.3	184.1	205.5	257.3	248.3	234.6
G31.0	225.1	180.3	200.9	219.3	226.9	169.4	187.5	239.1	230.5	217.5
G32.0	208.0	165.8	186.4	203.5	209.6	155.1	171.7	221.0	211.0	202.4
G33.0	193.2	152.2	172.1	186.1	191.8	142.3	156.9	202.0	194.1	185.5
G34.0	177.2	139.1	157.8	171.6	176.1	129.2	143.6	185.7	179.0	171.0
G35.0	161.4	127.5	143.6	155.8	159.2	116.0	130.9	170.1	163.6	157.4
G36.0	147.0	116.2	130.5	141.9	143.8	104.8	117.2	154.4	147.7	144.1

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

Humidity:

Inspector:

## Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G37.0	132.7	104.9	118.5	128.6	130.0	94.8	105.5	137.0	134.2	130.8
G38.0	120.0	93.7	106.6	115.8	117.7	84.7	95.1	123.7	120.9	119.2
G39.0	107.4	85.1	96.6	105.5	105.3	76.9	85.6	111.1	109.1	107.6
G40.0	97.2	77.1	86.7	95.0	94.5	69.0	76.6	99.8	97.2	97.6
G41.0	87.0	69.8	77.9	84.8	84.6	61.6	69.6	88.7	87.0	87.5
G42.0	77.7	62.8	68.8	75.1	75.2	55.2	62.5	78.6	77.8	79.3
G43.0	69.0	55.4	61.8	67.5	66.2	49.2	55.8	69.8	69.2	70.8
G44.0	61.3	50.1	55.8	60.8	59.9	44.6	49.8	61.6	61.6	63.2
G45.0	55.1	45.5	50.6	54.5	54.4	40.5	44.3	54.5	54.4	56.5
G46.0	49.5	41.0	46.0	49.9	49.4	36.8	40.0	49.2	49.3	50.0
G47.0	44.8	37.8	42.2	45.5	45.4	33.6	36.3	44.9	45.0	45.5
G48.0	41.1	34.7	39.1	41.6	40.9	30.9	33.0	40.7	41.0	41.2
G49.0	37.7	32.0	35.7	37.2	36.2	27.8	30.0	36.4	37.4	37.7
G50.0	34.7	29.1	32.0	32.8	31.8	25.0	27.4	32.7	33.5	34.2
G51.0	32.2	25.9	28.2	28.6	28.3	22.1	25.2	28.6	28.8	30.9
G52.0	29.7	22.6	24.0	25.5	25.8	19.9	23.3	25.8	25.1	26.1
G53.0	27.5	20.1	21.5	22.7	23.6	18.2	21.2	23.2	22.1	22.2
G54.0	25.2	18.2	19.5	20.4	21.4	16.5	19.6	21.3	19.6	19.4
G55.0	23.0	16.6	17.4	18.1	19.1	15.3	18.2	19.6	18.0	17.4
G56.0	20.9	15.5	15.7	16.3	17.0	13.9	16.8	17.9	16.6	15.8
G57.0	18.9	14.1	14.0	14.4	14.9	12.4	15.3	16.2	14.8	14.2
G58.0	16.9	12.3	12.2	12.4	13.1	10.8	13.7	14.4	13.2	12.6
G59.0	14.8	10.9	10.6	10.8	11.2	9.6	12.3	12.8	11.8	11.3
G60.0	13.1	9.6	9.0	9.4	9.8	8.5	11.1	11.4	10.5	10.0
G61.0	11.5	8.6	7.9	8.0	8.5	7.6	9.7	10.4	9.2	9.0
G62.0	9.9	7.3	6.7	7.1	7.4	6.8	8.8	8.8	8.0	7.8
G63.0	8.8	6.4	5.9	6.3	6.4	5.9	7.8	7.8	7.1	6.8
G64.0	7.7	5.6	5.0	5.4	5.5	5.2	6.8	6.7	6.1	6.0
G65.0	6.7	4.8	4.3	4.7	4.8	4.5	5.9	5.9	5.3	5.3
G66.0	5.7	4.3	3.8	4.1	4.1	3.9	5.1	5.1	4.7	4.7
G67.0	5.1	3.6	3.1	3.7	3.6	3.4	4.4	4.5	4.2	4.2
G68.0	4.5	3.2	2.8	3.3	3.2	3.3	4.0	4.1	3.7	3.6
G69.0	4.2	2.9	2.4	3.2	3.0	2.8	3.7	3.6	3.2	3.0
G70.0	3.7	2.6	2.2	2.8	2.6	2.6	3.1	3.3	3.0	2.8
G71.0	3.3	2.2	1.7	2.6	2.6	2.2	2.8	3.0	2.6	2.5
G72.0	3.0	1.9	1.6	2.3	2.3	2.0	2.4	2.5	2.3	2.4
G73.0	2.7	1.7	1.3	2.1	1.9	1.7	2.0	2.2	2.0	2.0

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

Humidity:

Inspector:

## Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G74.0	2.4	1.4	1.0	1.8	1.6	1.6	1.7	2.0	1.7	1.9
G75.0	1.9	1.2	1.0	1.5	1.3	1.3	1.5	1.6	1.5	1.7
G76.0	1.7	0.0	0.0	1.3	0.0	1.1	1.3	1.4	1.6	1.4
G77.0	1.4	0.0	0.0	1.1	0.0	0.0	1.2	1.0	0.0	1.1
G78.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G79.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G81.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G82.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G83.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G84.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G85.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G86.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G87.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G88.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G89.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G91.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G92.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G93.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G94.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G95.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G96.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G97.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G98.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G99.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G101.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G102.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G103.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G104.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G105.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G106.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G107.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G108.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G109.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G110.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

Humidity:

Inspector:

## Candlepower Table (Continue 3)

Unit: cd

G/C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G111.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G112.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G113.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G114.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G115.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G116.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G117.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G118.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G119.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G120.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G121.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G122.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G123.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G124.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G125.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G126.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
G127.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
G128.0	0.0	0.0	0.0	1.1	0.0	1.0	1.0	0.0	0.0	0.0
G129.0	0.0	0.0	0.0	1.1	0.0	1.1	1.2	0.0	0.0	0.0
G130.0	1.1	0.0	1.0	1.2	0.0	1.3	1.2	0.0	1.0	0.0
G131.0	1.2	0.0	1.0	1.3	0.0	1.4	1.1	0.0	1.1	0.0
G132.0	1.2	0.0	1.1	1.4	0.0	1.3	1.2	0.0	1.0	0.0
G133.0	1.3	0.0	1.1	1.6	0.0	1.3	1.2	0.0	1.2	0.0
G134.0	1.5	0.0	1.2	1.5	1.0	1.5	1.5	0.0	1.2	0.0
G135.0	1.5	1.1	1.5	1.8	0.0	1.6	1.5	0.0	1.2	0.0
G136.0	1.4	1.1	1.5	1.8	1.1	1.5	1.4	0.0	1.3	0.0
G137.0	1.3	1.2	1.5	1.6	1.2	1.8	1.6	0.0	1.2	1.0
G138.0	1.5	1.4	1.5	1.6	1.1	1.9	1.6	1.0	1.3	1.1
G139.0	1.5	1.7	1.8	1.9	1.3	2.0	1.7	1.2	1.5	1.2
G140.0	1.6	1.7	1.8	2.0	1.4	2.1	1.9	1.3	1.5	1.5
G141.0	1.8	1.7	1.7	1.9	1.6	2.2	1.8	1.3	1.7	1.6
G142.0	1.9	1.8	1.8	1.9	1.5	2.2	1.8	1.4	1.8	1.7
G143.0	2.0	2.0	1.8	2.1	1.7	2.4	2.1	1.5	1.8	1.7
G144.0	2.0	2.0	2.1	2.2	1.9	2.4	2.1	1.5	2.1	1.9
G145.0	2.2	2.2	2.1	2.3	1.9	2.5	2.2	1.5	2.1	2.0
G146.0	2.2	2.2	2.1	2.4	2.1	2.6	2.3	1.6	2.0	2.2
G147.0	2.3	2.4	2.4	2.6	2.1	2.8	2.4	1.9	2.3	2.1

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

Humidity:

Inspector:

## Candlepower Table (Continue 4)

Unit: cd

G/C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G148.0	2.4	2.4	2.4	2.6	2.1	2.9	2.7	1.8	2.4	2.3
G149.0	2.7	2.7	2.5	2.6	2.2	2.9	2.5	1.9	2.3	2.3
G150.0	2.8	2.6	2.5	2.8	2.3	3.0	2.9	2.2	2.6	2.4
G151.0	2.8	2.6	2.7	3.0	2.4	3.1	2.8	2.2	2.6	2.5
G152.0	2.9	2.7	2.8	2.8	2.5	3.1	2.8	2.6	2.5	2.4
G153.0	3.0	2.7	3.0	2.8	2.6	3.2	3.1	2.8	2.7	2.4
G154.0	2.9	2.8	3.0	3.0	2.6	3.3	3.1	2.8	2.7	2.6
G155.0	3.1	3.0	3.1	3.0	2.7	3.5	3.2	2.8	2.8	2.6
G156.0	3.2	3.1	3.3	3.3	2.8	3.5	3.3	2.7	3.0	2.8
G157.0	3.2	3.2	3.2	3.3	3.0	3.6	3.5	3.0	3.1	2.9
G158.0	3.4	3.4	3.5	3.3	3.1	3.8	3.5	3.1	3.1	3.1
G159.0	3.4	3.5	3.4	3.4	3.1	3.7	3.7	3.3	3.2	3.1
G160.0	3.3	3.5	3.4	3.6	3.2	3.7	3.9	3.3	3.3	3.3
G161.0	3.4	3.5	3.7	3.5	3.5	3.9	3.8	3.4	3.4	3.4
G162.0	3.5	3.6	3.8	3.5	3.4	3.8	3.9	3.3	3.5	3.5
G163.0	3.8	3.8	3.8	3.6	3.5	4.0	4.0	3.4	3.5	3.4
G164.0	3.7	3.9	3.7	3.9	3.5	4.1	4.1	3.5	3.8	3.7
G165.0	3.8	4.0	3.8	4.2	3.6	4.1	4.2	3.7	3.7	3.7
G166.0	4.0	3.9	3.9	4.0	3.6	4.2	4.3	3.7	3.8	3.8
G167.0	4.2	4.0	3.8	4.0	3.8	4.3	4.4	3.6	4.0	3.9
G168.0	4.3	4.0	3.9	4.3	3.9	4.1	4.3	3.6	4.1	3.8
G169.0	4.1	4.0	3.9	4.3	4.2	4.2	4.4	3.6	4.0	4.0
G170.0	4.3	4.1	3.9	4.3	4.0	4.3	4.4	3.8	4.1	3.8
G171.0	4.3	4.2	4.0	4.3	4.1	4.5	4.4	3.8	4.3	3.9
G172.0	4.1	4.3	4.0	4.4	4.2	4.6	4.6	3.9	4.3	4.1
G173.0	4.3	4.6	3.9	4.4	4.2	4.6	4.6	4.0	4.2	4.1
G174.0	4.4	4.4	4.1	4.4	4.1	4.7	4.8	4.1	4.2	4.0
G175.0	4.4	4.5	4.3	4.5	4.2	4.6	4.7	4.1	4.3	4.0
G176.0	4.6	4.4	4.2	4.5	4.0	4.5	4.6	4.2	4.4	4.3
G177.0	4.6	4.6	4.1	4.5	4.2	4.5	4.7	4.2	4.3	4.4
G178.0	4.6	4.4	4.1	4.6	4.1	4.3	5.0	4.4	4.1	4.3
G179.0	4.6	4.2	4.1	4.6	4.3	4.3	4.9	4.3	4.3	4.4
G180.0	4.5	4.3	4.3	4.4	4.2	4.6	5.0	4.5	4.4	4.4

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 5)

Unit: cd

G\C	C300.0	C330.0	C360.0						
G0.0	644.7	650.8	647.2						
G1.0	643.5	654.0	651.1						
G2.0	644.1	658.7	649.3						
G3.0	639.0	655.9	649.3						
G4.0	632.2	653.4	646.2						
G5.0	627.4	650.7	640.3						
G6.0	618.2	647.3	628.8						
G7.0	609.5	640.1	620.7						
G8.0	598.8	630.2	612.8						
G9.0	586.8	621.2	601.5						
G10.0	572.2	609.8	588.0						
G11.0	560.3	597.7	575.4						
G12.0	545.5	585.5	562.3						
G13.0	528.3	570.0	545.5						
G14.0	510.6	556.4	532.2						
G15.0	494.6	541.4	518.3						
G16.0	477.4	526.2	504.8						
G17.0	463.3	510.9	489.2						
G18.0	444.0	496.4	475.4						
G19.0	429.4	479.9	457.4						
G20.0	411.9	463.5	441.0						
G21.0	395.6	444.3	421.4						
G22.0	376.6	426.5	400.2						
G23.0	357.4	405.4	380.0						
G24.0	339.0	385.5	360.4						
G25.0	319.5	366.0	341.0						
G26.0	300.8	346.9	318.5						
G27.0	278.3	325.9	299.2						
G28.0	259.5	306.6	280.7						
G29.0	242.1	285.5	261.7						
G30.0	225.4	267.1	242.4						
G31.0	207.1	247.3	225.1						
G32.0	191.7	228.5	208.0						
G33.0	177.2	211.6	193.2						
G34.0	164.0	195.2	177.2						
G35.0	151.1	179.0	161.4						
G36.0	138.2	164.7	147.0						

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

**Candlepower Table (Continue 6)**

Unit: cd

G\C	C300.0	C330.0	C360.0						
G37.0	126.7	148.6	132.7						
G38.0	114.8	134.6	120.0						
G39.0	104.7	121.1	107.4						
G40.0	94.5	109.3	97.2						
G41.0	85.7	98.3	87.0						
G42.0	77.6	88.2	77.7						
G43.0	69.1	78.9	69.0						
G44.0	62.6	70.4	61.3						
G45.0	55.7	62.0	55.1						
G46.0	50.1	55.6	49.5						
G47.0	45.4	50.1	44.8						
G48.0	41.6	45.7	41.1						
G49.0	37.8	41.5	37.7						
G50.0	34.9	38.0	34.7						
G51.0	32.1	34.5	32.2						
G52.0	28.8	31.3	29.7						
G53.0	24.0	27.7	27.5						
G54.0	20.7	25.5	25.2						
G55.0	17.7	23.1	23.0						
G56.0	15.9	21.2	20.9						
G57.0	14.3	19.4	18.9						
G58.0	13.0	17.2	16.9						
G59.0	11.8	15.4	14.8						
G60.0	10.6	13.9	13.1						
G61.0	9.1	12.2	11.5						
G62.0	8.1	10.7	9.9						
G63.0	7.3	9.4	8.8						
G64.0	6.6	8.1	7.7						
G65.0	5.5	7.0	6.7						
G66.0	4.9	6.3	5.7						
G67.0	4.2	5.3	5.1						
G68.0	3.6	4.7	4.5						
G69.0	3.1	4.0	4.2						
G70.0	2.8	3.5	3.7						
G71.0	2.7	3.4	3.3						
G72.0	2.4	2.9	3.0						
G73.0	2.1	2.6	2.7						

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

### Candlepower Table (Continue 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	2.1	2.3	2.4							
G75.0	1.7	2.2	1.9							
G76.0	1.4	1.9	1.7							
G77.0	1.0	1.5	1.4							
G78.0	0.0	1.1	1.0							
G79.0	0.0	1.0	1.0							
G80.0	0.0	0.0	0.0							
G81.0	0.0	0.0	0.0							
G82.0	0.0	0.0	0.0							
G83.0	0.0	0.0	0.0							
G84.0	0.0	0.0	0.0							
G85.0	0.0	0.0	0.0							
G86.0	0.0	0.0	0.0							
G87.0	0.0	0.0	0.0							
G88.0	0.0	0.0	0.0							
G89.0	0.0	0.0	0.0							
G90.0	0.0	0.0	0.0							
G91.0	0.0	0.0	0.0							
G92.0	0.0	0.0	0.0							
G93.0	0.0	0.0	0.0							
G94.0	0.0	0.0	0.0							
G95.0	0.0	0.0	0.0							
G96.0	0.0	0.0	0.0							
G97.0	0.0	0.0	0.0							
G98.0	0.0	0.0	0.0							
G99.0	0.0	0.0	0.0							
G100.0	0.0	0.0	0.0							
G101.0	0.0	0.0	0.0							
G102.0	0.0	0.0	0.0							
G103.0	0.0	0.0	0.0							
G104.0	0.0	0.0	0.0							
G105.0	0.0	0.0	0.0							
G106.0	0.0	0.0	0.0							
G107.0	0.0	0.0	0.0							
G108.0	0.0	0.0	0.0							
G109.0	0.0	0.0	0.0							
G110.0	0.0	0.0	0.0							

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:



## Candlepower Table (Continue 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	0.0	0.0	0.0							
G112.0	0.0	0.0	0.0							
G113.0	0.0	0.0	0.0							
G114.0	0.0	0.0	0.0							
G115.0	0.0	0.0	0.0							
G116.0	0.0	0.0	0.0							
G117.0	0.0	0.0	0.0							
G118.0	0.0	0.0	0.0							
G119.0	0.0	0.0	0.0							
G120.0	0.0	0.0	0.0							
G121.0	0.0	0.0	0.0							
G122.0	0.0	0.0	0.0							
G123.0	0.0	0.0	0.0							
G124.0	0.0	0.0	0.0							
G125.0	0.0	0.0	0.0							
G126.0	0.0	0.0	0.0							
G127.0	0.0	0.0	0.0							
G128.0	0.0	0.0	0.0							
G129.0	0.0	0.0	0.0							
G130.0	0.0	0.0	1.1							
G131.0	0.0	0.0	1.2							
G132.0	0.0	0.0	1.2							
G133.0	0.0	0.0	1.3							
G134.0	0.0	0.0	1.5							
G135.0	1.0	1.0	1.5							
G136.0	1.2	1.1	1.4							
G137.0	1.4	1.1	1.3							
G138.0	1.5	1.1	1.5							
G139.0	1.6	1.0	1.5							
G140.0	1.5	1.4	1.6							
G141.0	1.7	1.5	1.8							
G142.0	1.8	1.6	1.9							
G143.0	1.8	1.6	2.0							
G144.0	2.1	1.8	2.0							
G145.0	2.1	1.7	2.2							
G146.0	2.2	1.8	2.2							
G147.0	2.4	2.0	2.3							

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 9)

Unit: cd

G\C	C300.0	C330.0	C360.0						
G148.0	2.3	1.9	2.4						
G149.0	2.6	2.2	2.7						
G150.0	2.7	2.2	2.8						
G151.0	2.8	2.4	2.8						
G152.0	2.8	2.6	2.9						
G153.0	2.8	2.6	3.0						
G154.0	3.0	2.6	2.9						
G155.0	3.1	2.5	3.1						
G156.0	3.2	2.5	3.2						
G157.0	3.4	2.7	3.2						
G158.0	3.4	2.9	3.4						
G159.0	3.6	3.0	3.4						
G160.0	3.7	3.0	3.3						
G161.0	3.5	3.2	3.4						
G162.0	3.5	3.2	3.5						
G163.0	3.9	3.2	3.8						
G164.0	3.8	3.5	3.7						
G165.0	3.9	3.5	3.8						
G166.0	4.0	3.6	4.0						
G167.0	3.9	3.7	4.2						
G168.0	4.0	3.8	4.3						
G169.0	4.0	3.9	4.1						
G170.0	4.1	4.0	4.3						
G171.0	4.2	3.8	4.3						
G172.0	4.1	4.0	4.1						
G173.0	4.0	4.1	4.3						
G174.0	4.0	4.2	4.4						
G175.0	4.1	4.3	4.4						
G176.0	4.1	4.3	4.6						
G177.0	4.3	4.2	4.6						
G178.0	4.1	4.1	4.6						
G179.0	4.3	4.3	4.6						
G180.0	4.6	4.0	4.5						

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector: