

Report No.:

Test Time: 2021-03-22 16:07

## Luminaire Property

Luminaire Manufacturer:

Luminaire Description: MLS032W12V27KDC Voltage: 12.2 V

Current: 0.172 A

Power: 2.00 W

Power Factor: 0.944

Volt Amps: 2.12 VA

## Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 245.4 lm

Measurement Flux: 245.4 lm

Efficiency: 100%

Downward Ratio: 98%

Upward Ratio: 2%

Horizontal Diffuse Angle(10%,50%,75%,100%): H165.6,H111.7,H79.2,H8

Vertical Diffuse Angle(10%,50%,75%,100%): V154.9,V108.3,V80.3,V10

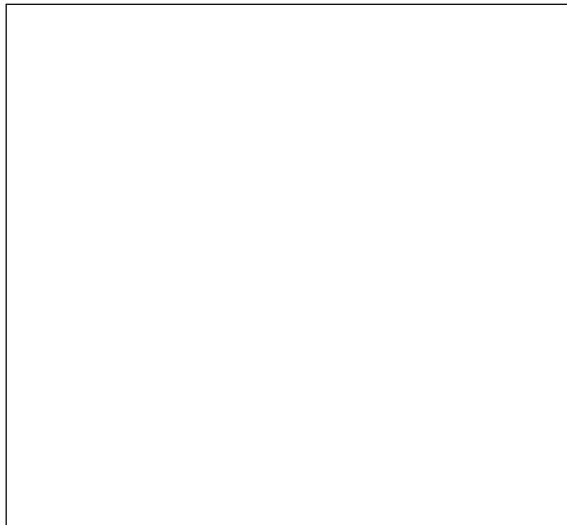
Luminaire Efficacy Rating (LER): 123

Central Intensity: 79.98 cd

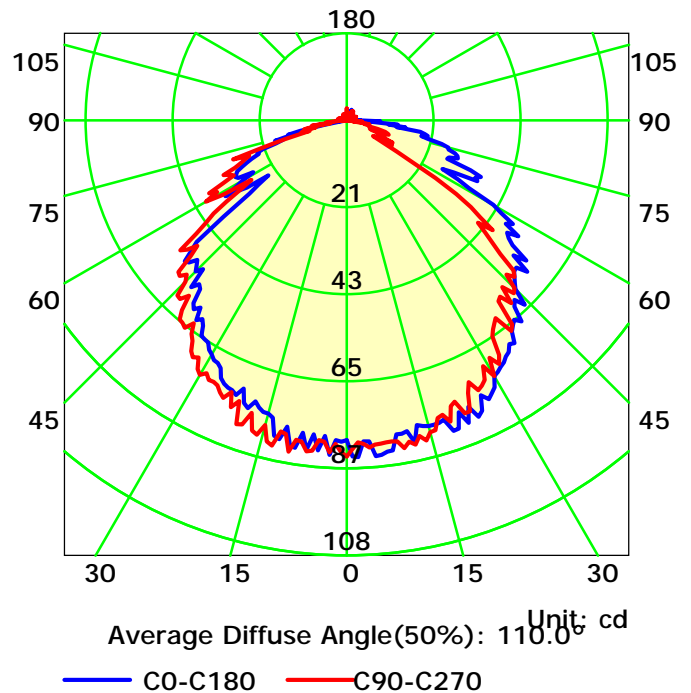
Max. Intensity: 85.02 cd

Pos of Max. Intensity: H45 V6

Picture Of Luminaire



Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

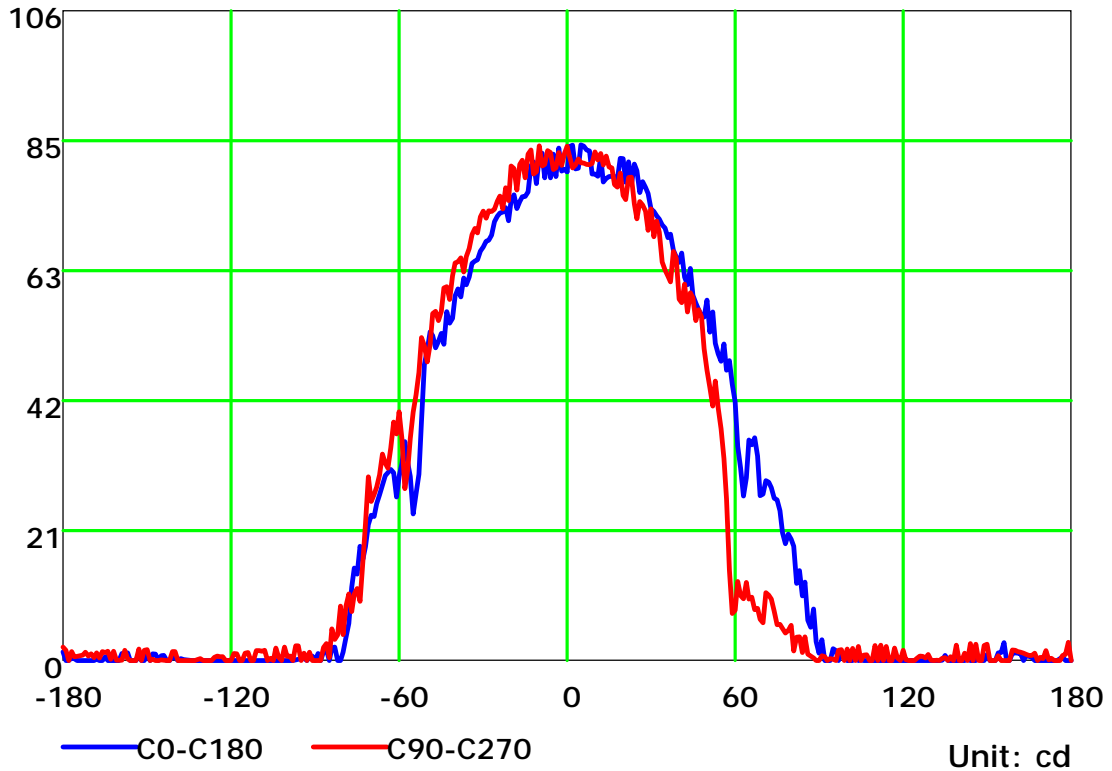
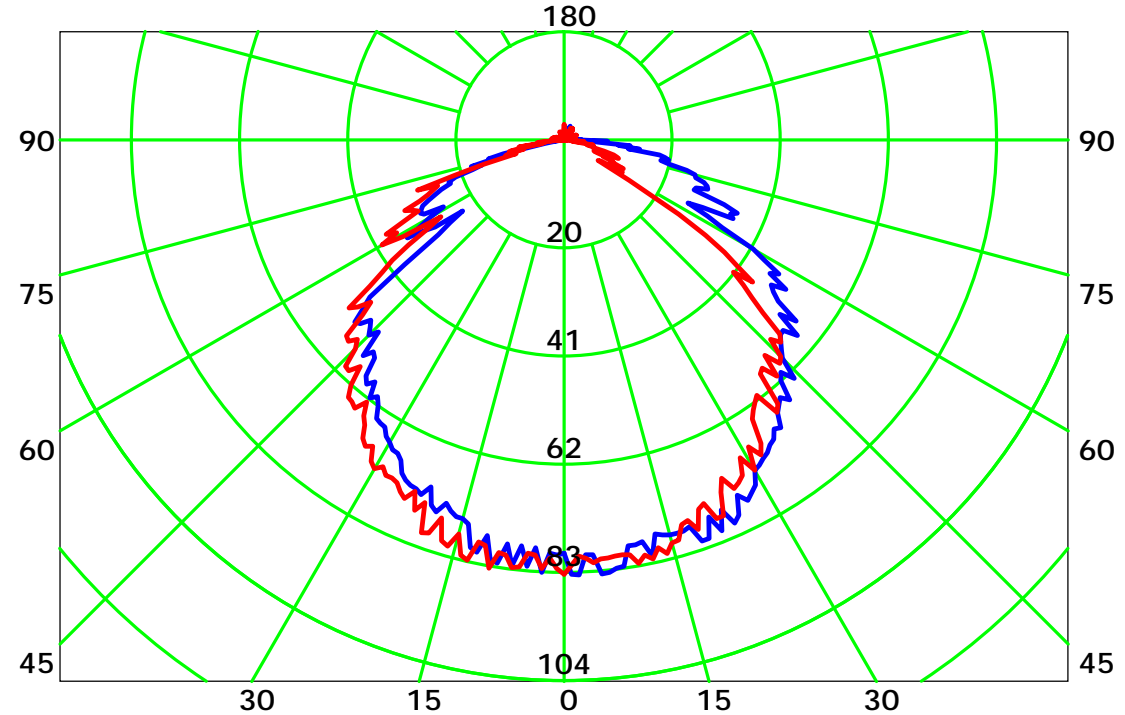
Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

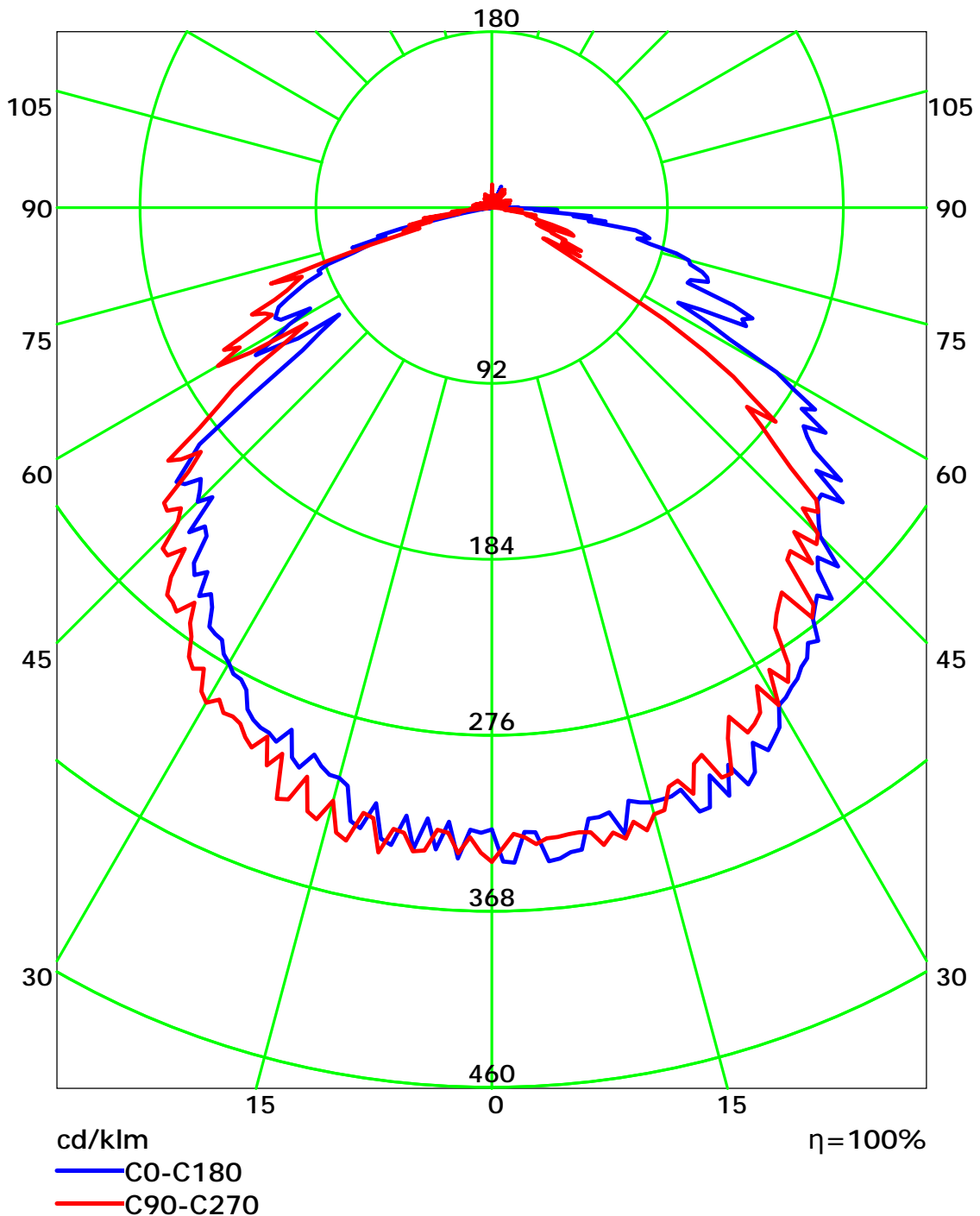
## Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Luminous Intensity Distribution Curve(cd/klm)



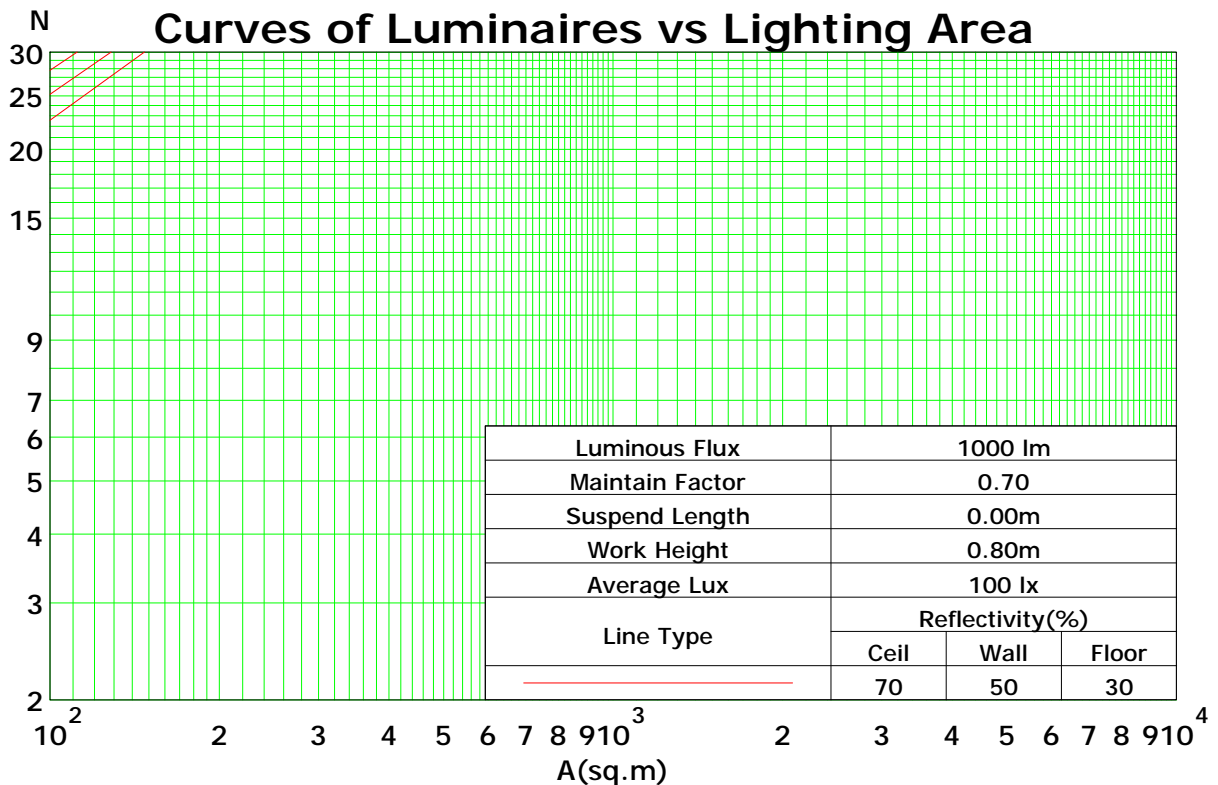
C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 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	110	110	110	105	105	105	101	101	101	98
1	108	103	99	95	105	101	97	93	96	93	90	92	89	87	88	86	84	82
2	98	90	83	77	95	88	81	76	84	79	74	80	76	72	77	73	70	68
3	89	79	71	64	87	77	69	63	74	67	62	71	65	61	68	63	59	57
4	82	70	61	54	79	68	60	54	66	58	53	63	57	52	61	55	51	49
5	75	62	53	47	73	61	53	46	59	51	46	57	50	45	55	49	44	42
6	70	56	47	41	68	55	47	40	53	46	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	35	31	29
9	56	43	34	29	55	42	34	29	41	33	28	39	33	28	38	32	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

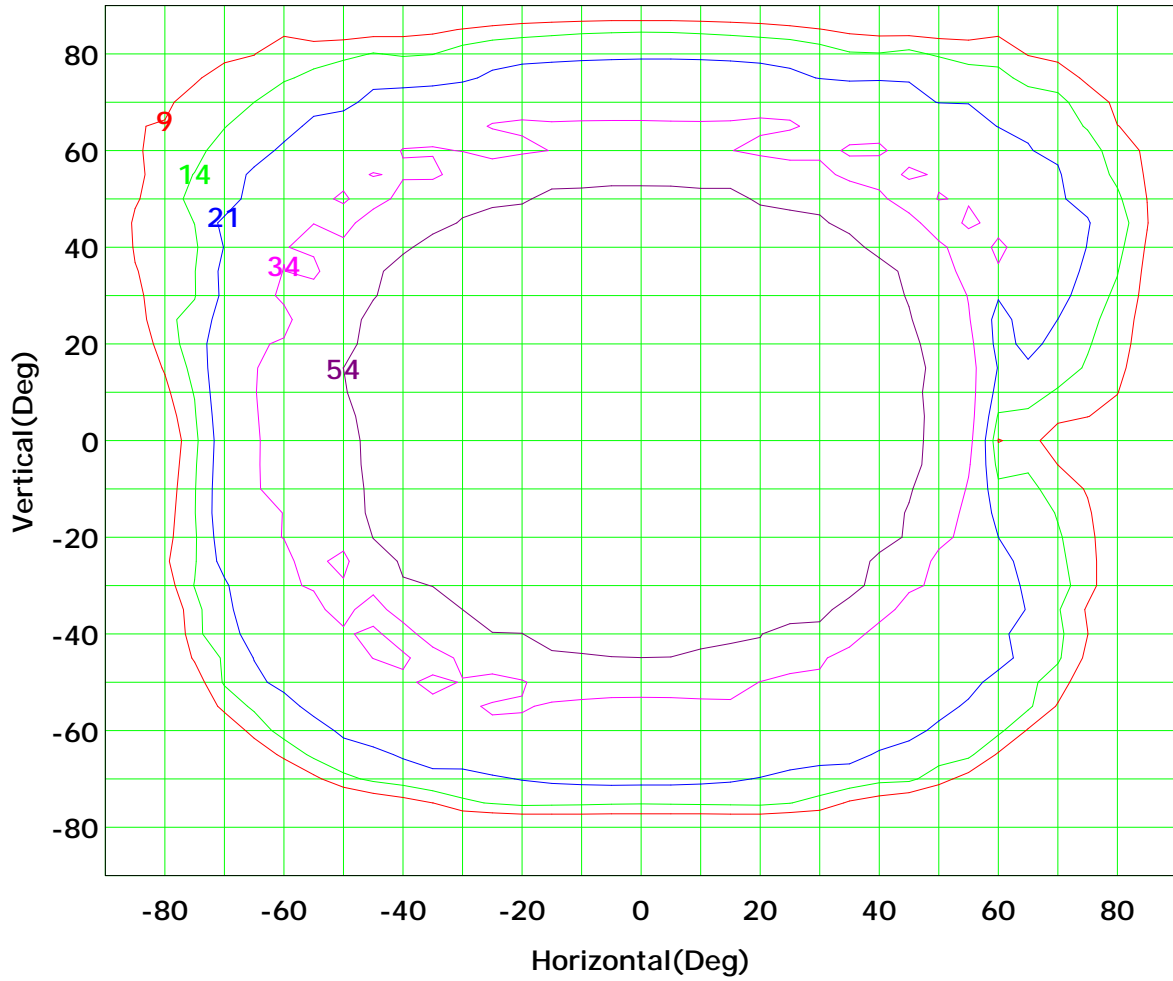
Spacing Criteria (0-180): 1.32  
 Spacing Criteria (90-270): 1.28  
 Spacing Criteria (Diagonal): 1.43



C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Isocandela (rectangle)



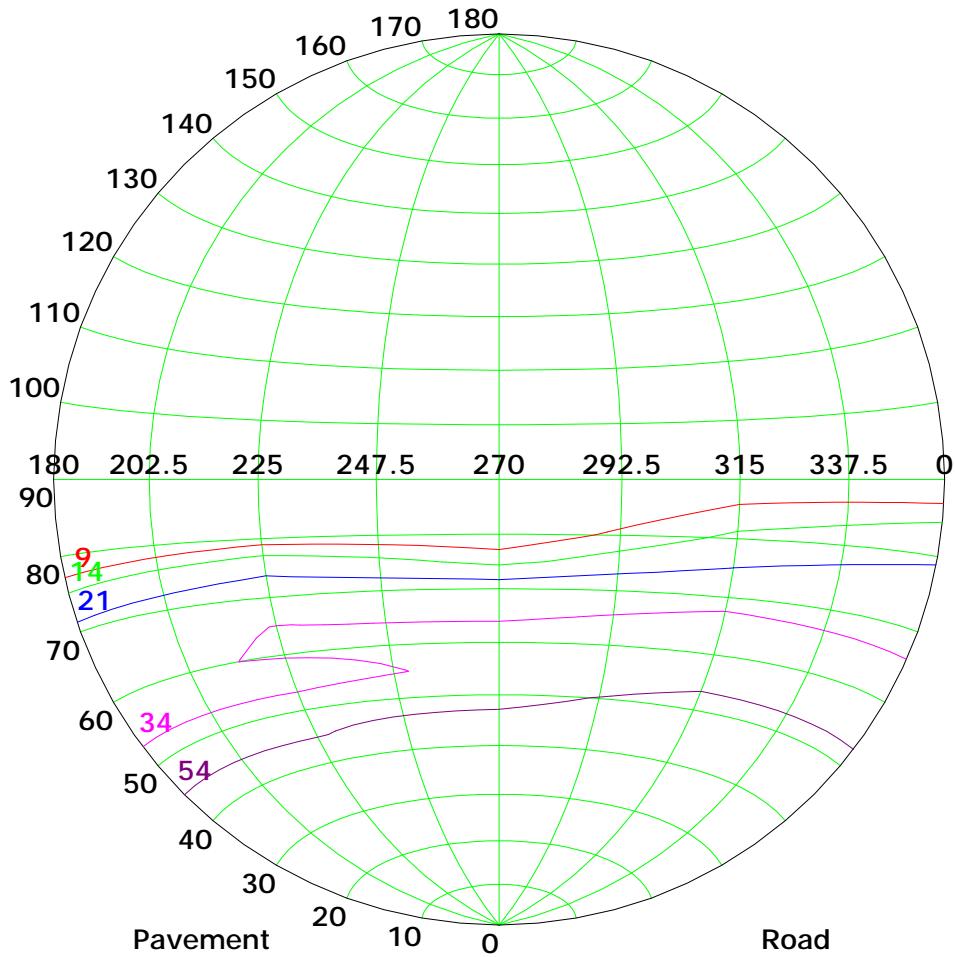
Imax (100%): 85 cd

— ( 10%):	9 cd	— ( 16%):	14 cd
— ( 25%):	21 cd	— ( 40%):	34 cd
— ( 63%):	54 cd	— (100%):	85 cd

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Isocandela (sphere)



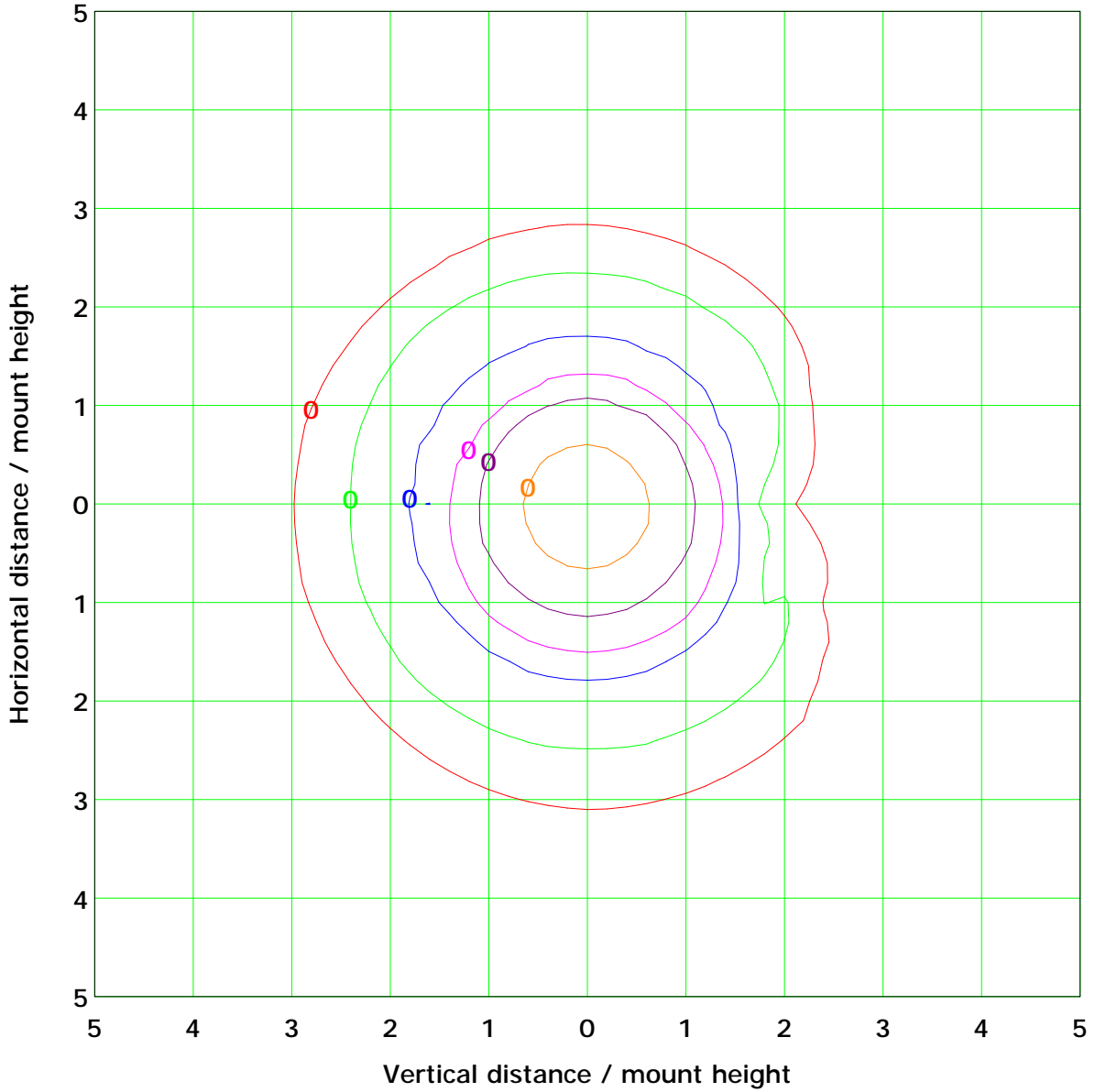
Imax (100%): 85 cd

— ( 10%):	9 cd	— ( 16%):	14 cd
— ( 25%):	21 cd	— ( 40%):	34 cd
— ( 63%):	54 cd	— (100%):	85 cd

C Plane (°):0.0-360.0: 45.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600  
Distance: 8.177 m  
Humidity:  
Inspector:

### IsoLux Plot



Mounting Height: 10.0m    Max Lux(100%): 0.8 lx

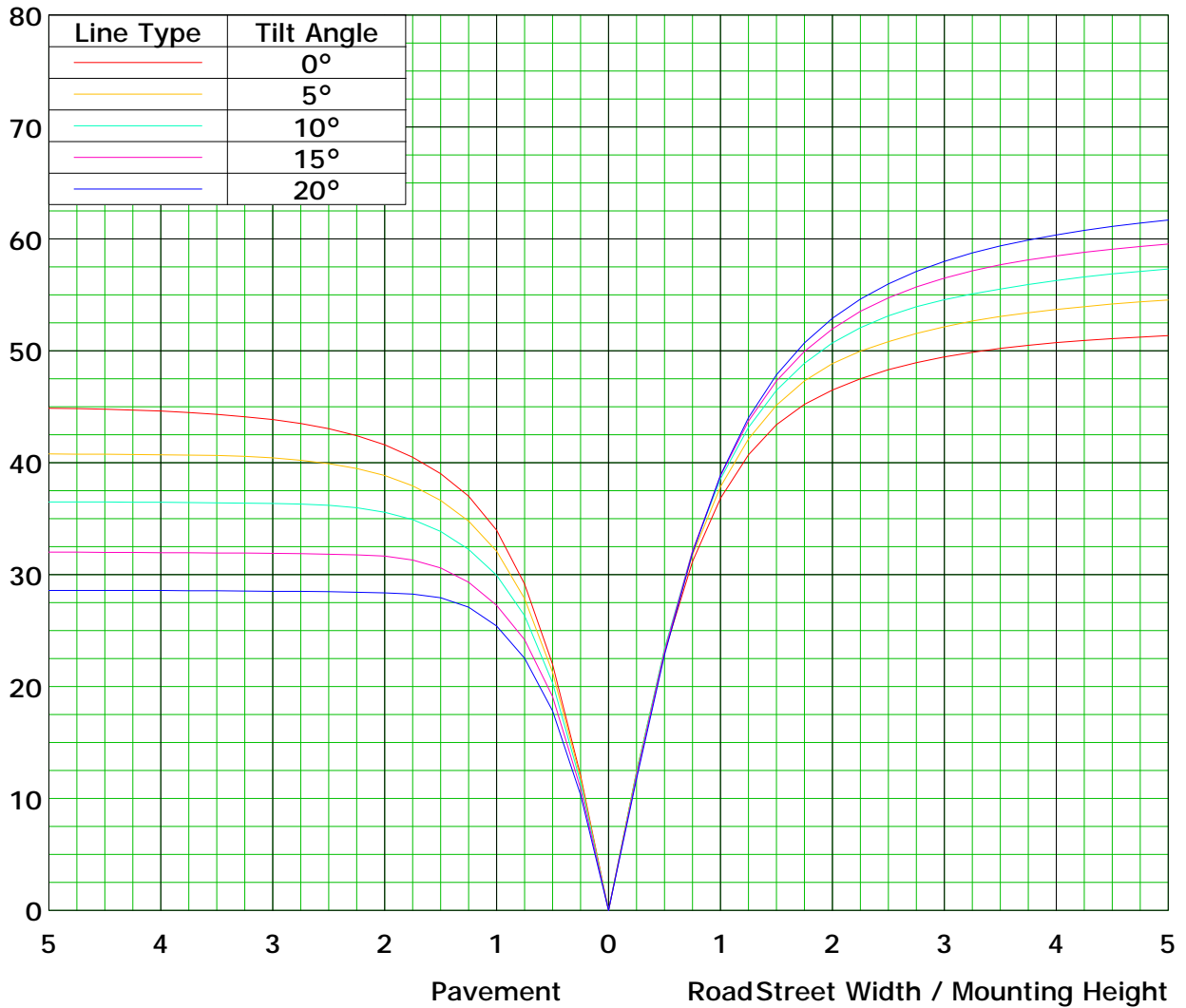
— ( 1%): 0.0 lx	— ( 2%): 0.0 lx
— ( 5%): 0.0 lx	— (10%): 0.1 lx
— (20%): 0.2 lx	— (50%): 0.4 lx
— (100%): 0.8 lx	

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Roadway CU Curve

Efficiency(%)



C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

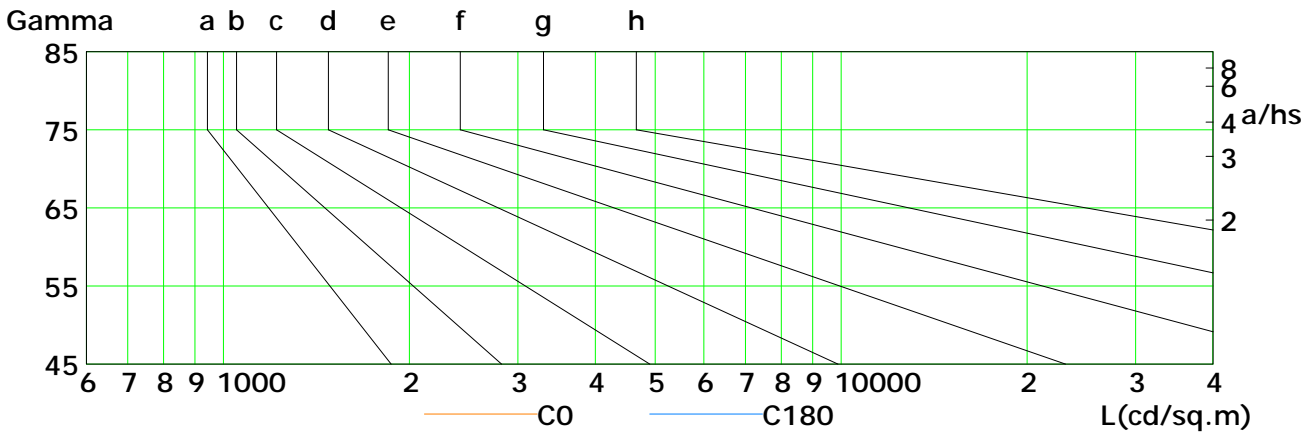
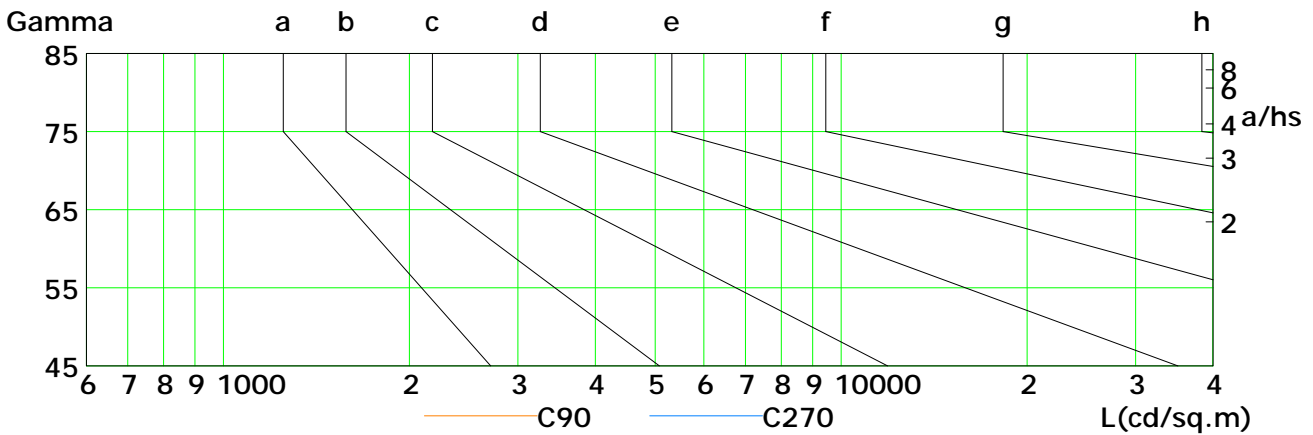
Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:



### 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

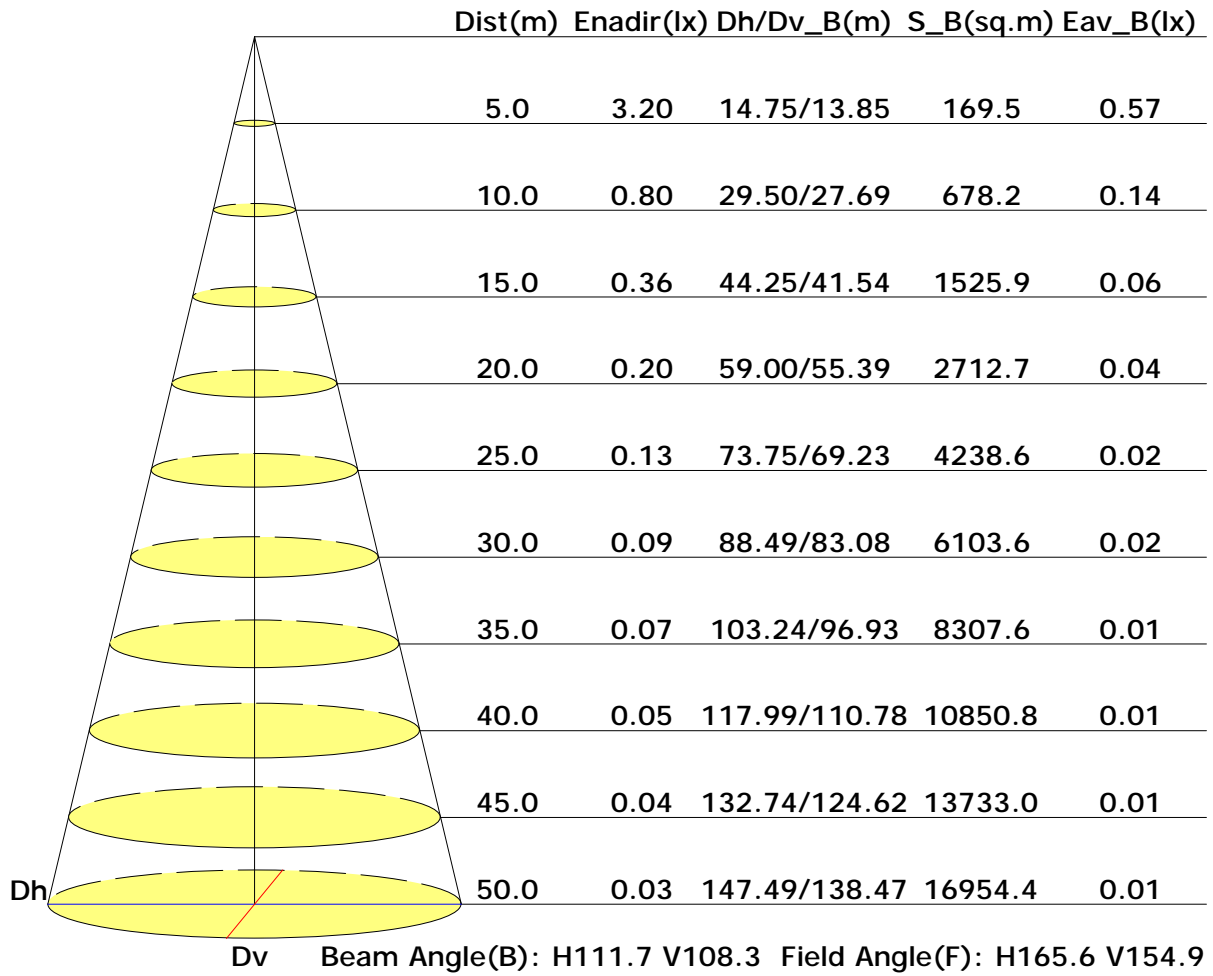


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	60	59	49	42	36	27	26	20	13
C90	59	48	38	8	10	6	6	6	4
C180	54	51	24	30	30	24	14	1	0
C270	57	49	41	41	32	26	12	4	1

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

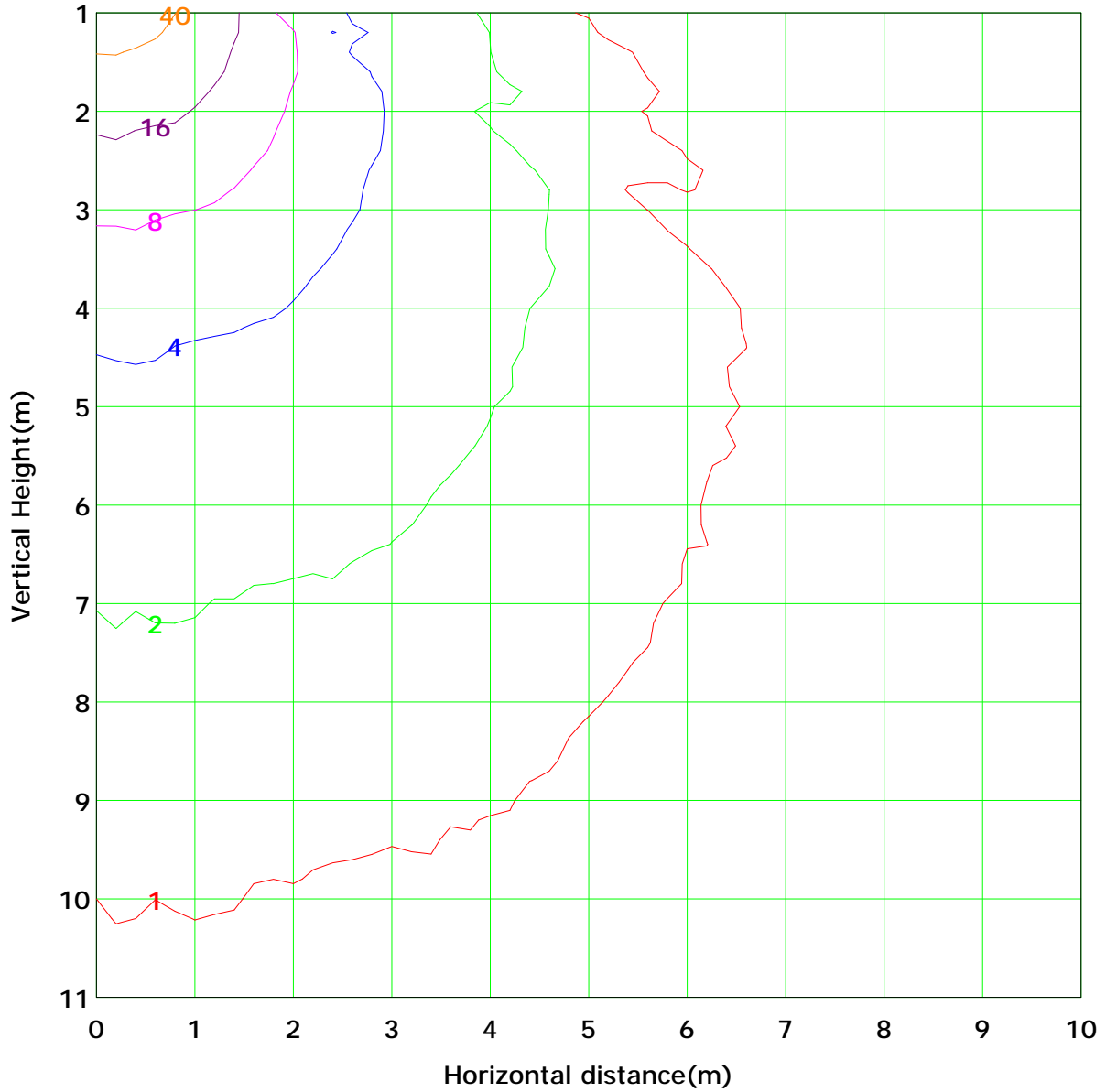
## Illuminance at a Distance



C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

### Vertical IsoLux Plot



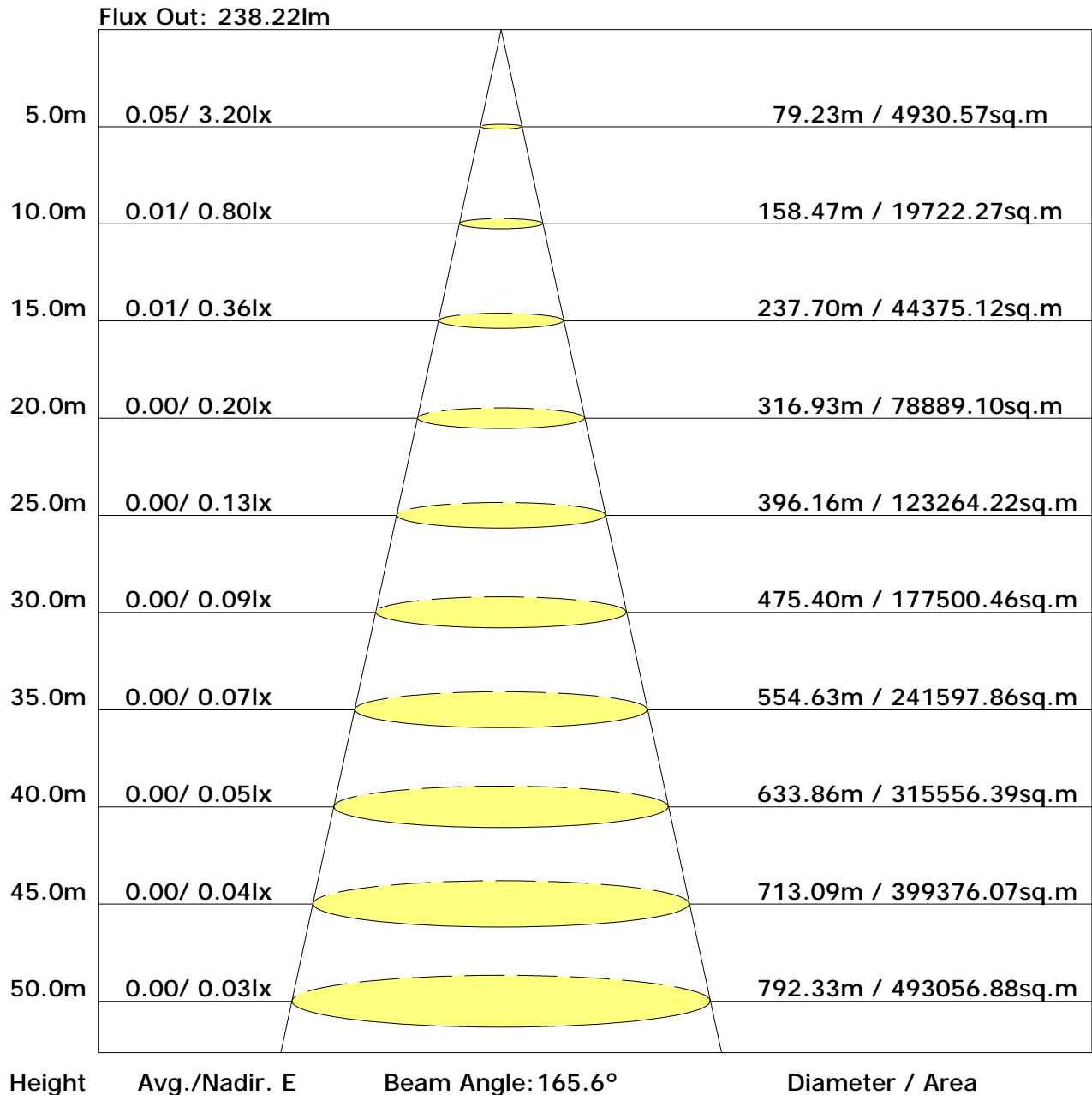
Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 80.0 lx
— ( 1%): 0.8 lx	— ( 2%): 1.6 lx	
— ( 5%): 4.0 lx	— ( 10%): 8.0 lx	
— ( 20%): 16.0 lx	— ( 50%): 40.0 lx	
— (100%): 80.0 lx		

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:



## The Average Illuminance Effective Figure



C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

### UGR Table

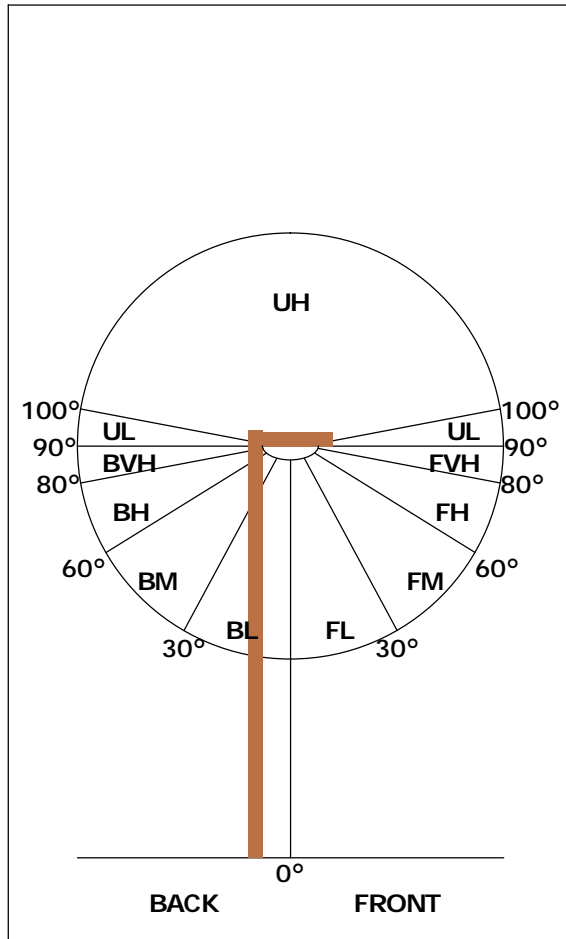
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
3H	1.\$	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.\$

Calculate in accordance with CIE 190:2010

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

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



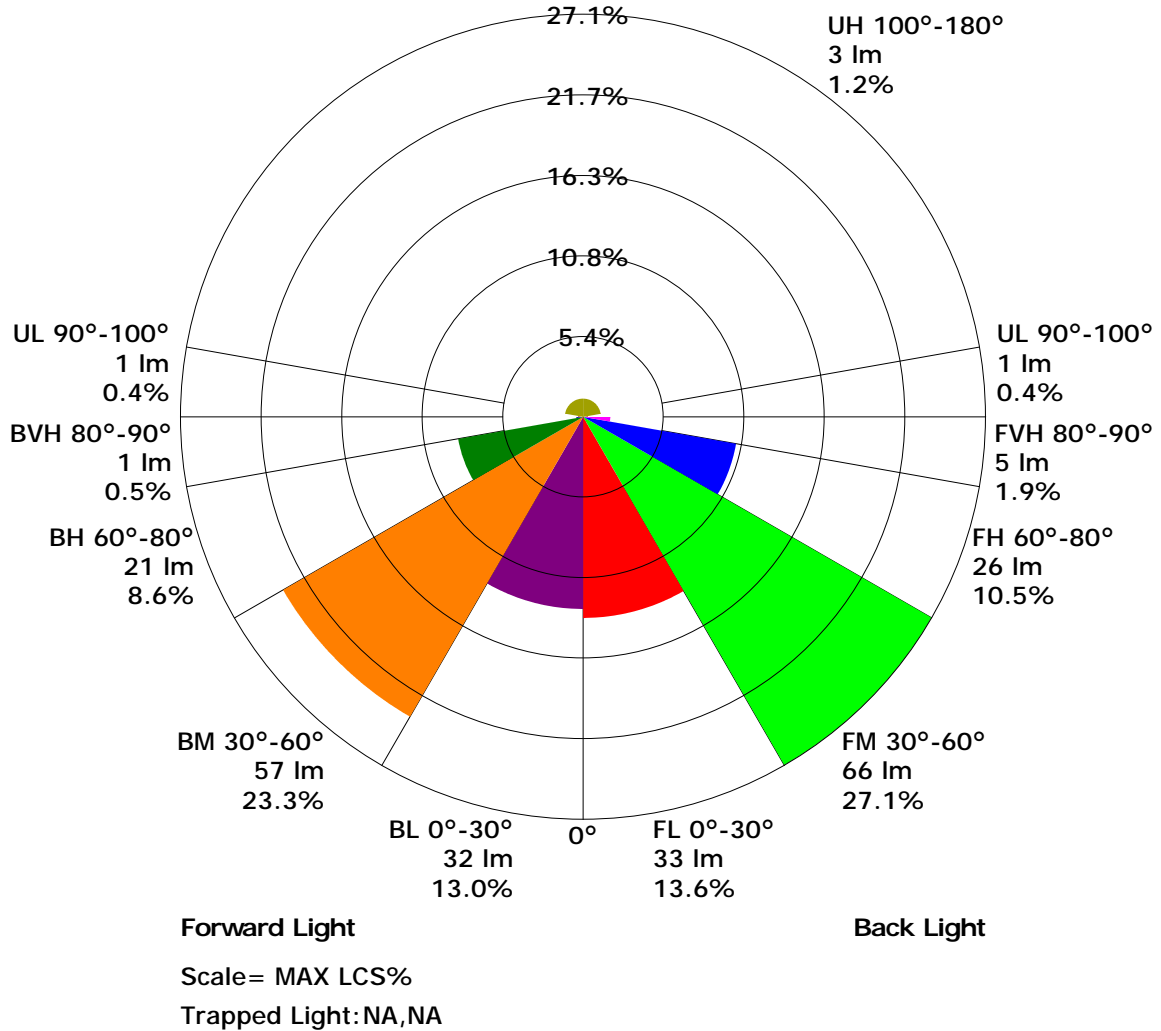
ZONE	LUMENS	% LAMP LUMENS
<b>FORWARD LIGHT</b>	<b>130</b>	<b>53.0</b>
FL ( 0°-30°)	33	13.6
FM (30°-60°)	66	27.1
FH (60°-80°)	26	10.5
FVH (80°-90°)	5	1.9
<b>BACK LIGHT</b>	<b>111</b>	<b>45.4</b>
BL ( 0°-30°)	32	13.0
BM (30°-60°)	57	23.3
BH (60°-80°)	21	8.6
BVH (80°-90°)	1	0.5
<b>UP LIGHT</b>	<b>4</b>	<b>1.6</b>
UL (90°-100°)	1	0.4
UH (100°-180°)	3	1.2
<b>TRAPPED LIGHT</b>	<b>NA</b>	<b>NA</b>

<b>BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07</b>	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B0 U1 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B0 U1 G0

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

### LCS Graph



C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:



## Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.50									
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	0.59	0.67	0.75	0.80	0.87	0.92	0.95	0.99	1.02	
	0.30		0.52	0.60	0.68	0.73	0.81	0.86	0.90	0.95	0.99	
	0.20		0.47	0.54	0.62	0.68	0.76	0.81	0.86	0.92	0.96	
0.50	0.50	0.20	0.58	0.65	0.72	0.77	0.83	0.88	0.91	0.95	0.98	
	0.30		0.51	0.59	0.66	0.71	0.78	0.83	0.87	0.92	0.95	
	0.20		0.46	0.54	0.61	0.66	0.74	0.79	0.83	0.89	0.92	
0.30	0.50	0.20	0.56	0.63	0.70	0.74	0.80	0.84	0.87	0.91	0.94	
	0.30		0.50	0.57	0.64	0.69	0.76	0.81	0.84	0.88	0.91	
	0.20		0.46	0.53	0.60	0.65	0.72	0.77	0.81	0.86	0.89	
0.00	0.00	0.00	0.43	0.50	0.57	0.62	0.69	0.73	0.77	0.81	0.84	
<p>Rating: 2W 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: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°): 0.0-180.0: 1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.50									
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	0.94	0.80	0.68	0.59	0.48	0.40	0.34	0.27	0.22	
	0.30		0.78	0.68	0.59	0.53	0.43	0.37	0.32	0.25	0.21	
	0.20		0.67	0.60	0.53	0.47	0.39	0.34	0.29	0.24	0.20	
0.50	0.50	0.20	0.90	0.77	0.65	0.57	0.45	0.41	0.32	0.25	0.21	
	0.30		0.76	0.67	0.57	0.51	0.42	0.35	0.30	0.24	0.20	
	0.20		0.66	0.59	0.51	0.46	0.38	0.33	0.28	0.23	0.19	
0.30	0.50	0.20	0.87	0.73	0.62	0.54	0.43	0.36	0.31	0.24	0.20	
	0.30		0.75	0.65	0.56	0.49	0.40	0.34	0.29	0.23	0.19	
	0.20		0.65	0.58	0.50	0.45	0.37	0.32	0.27	0.22	0.18	
0.00	0.00	0.00	0.55	0.48	0.41	0.36	0.30	0.25	0.21	0.17	0.14	
<p>Rating: 2W 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: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°): 0.0-180.0: 1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 1.50									
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	0.17	0.19	0.20	0.20	0.21	0.22	0.22	0.23	0.23	
	0.30		0.11	0.12	0.14	0.15	0.16	0.18	0.18	0.20	0.20	
	0.20		0.06	0.08	0.09	0.10	0.12	0.14	0.15	0.17	0.18	
0.50	0.50	0.20	0.17	0.18	0.19	0.19	0.20	0.21	0.21	0.22	0.22	
	0.30		0.11	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.20	
	0.20		0.06	0.08	0.09	0.10	0.12	0.14	0.15	0.16	0.17	
0.30	0.50	0.20	0.16	0.17	0.18	0.19	0.20	0.20	0.20	0.21	0.21	
	0.30		0.10	0.12	0.13	0.14	0.15	0.17	0.17	0.18	0.19	
	0.20		0.06	0.08	0.09	0.10	0.12	0.13	0.14	0.16	0.17	
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:2W 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: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 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	82.4	0.1	0.1	0.03	0.03
1.0-2.0	82.3	0.2	0.3	0.10	0.13
2.0-3.0	82.1	0.4	0.7	0.16	0.29
3.0-4.0	82.0	0.5	1.3	0.22	0.51
4.0-5.0	82.2	0.7	2.0	0.29	0.80
5.0-6.0	82.8	0.9	2.8	0.35	1.15
6.0-7.0	82.9	1.0	3.9	0.42	1.57
7.0-8.0	82.6	1.2	5.0	0.48	2.06
8.0-9.0	81.9	1.3	6.4	0.54	2.60
9.0-10.0	81.9	1.5	7.9	0.60	3.20
10.0-11.0	81.2	1.6	9.5	0.66	3.86
11.0-12.0	80.8	1.8	11.2	0.72	4.58
12.0-13.0	81.5	1.9	13.2	0.79	5.37
13.0-14.0	80.9	2.1	15.2	0.84	6.21
14.0-15.0	80.3	2.2	17.5	0.90	7.11
15.0-16.0	80.1	2.3	19.8	0.96	8.07
16.0-17.0	79.2	2.5	22.3	1.01	9.07
17.0-18.0	78.6	2.6	24.9	1.06	10.13
18.0-19.0	79.0	2.7	27.6	1.12	11.25
19.0-20.0	78.8	2.9	30.5	1.18	12.42
20.0-21.0	77.4	3.0	33.5	1.21	13.64
21.0-22.0	77.1	3.1	36.6	1.26	14.90
22.0-23.0	77.4	3.3	39.8	1.32	16.22
23.0-24.0	76.7	3.4	43.2	1.37	17.59
24.0-25.0	75.8	3.4	46.6	1.41	18.99
25.0-26.0	74.6	3.5	50.1	1.44	20.43
26.0-27.0	73.8	3.6	53.8	1.47	21.90
27.0-28.0	73.5	3.7	57.5	1.52	23.42
28.0-29.0	72.5	3.8	61.3	1.55	24.97
29.0-30.0	72.2	3.9	65.2	1.59	26.56
30.0-31.0	71.8	4.0	69.2	1.63	28.18
31.0-32.0	70.5	4.0	73.2	1.64	29.83
32.0-33.0	69.5	4.1	77.3	1.67	31.50
33.0-34.0	68.9	4.2	81.5	1.70	33.20
34.0-35.0	67.5	4.2	85.7	1.71	34.91
35.0-36.0	66.1	4.2	89.9	1.72	36.62

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 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	65.7	4.3	94.2	1.75	38.37
37.0-38.0	65.1	4.3	98.5	1.77	40.14
38.0-39.0	64.6	4.4	102.9	1.80	41.93
39.0-40.0	63.6	4.4	107.3	1.81	43.74
40.0-41.0	62.3	4.4	111.8	1.81	45.55
41.0-42.0	61.4	4.5	116.2	1.82	47.37
42.0-43.0	60.4	4.5	120.7	1.82	49.19
43.0-44.0	59.6	4.5	125.2	1.83	51.02
44.0-45.0	58.8	4.5	129.7	1.84	52.86
45.0-46.0	56.9	4.5	134.2	1.81	54.68
46.0-47.0	55.9	4.4	138.6	1.81	56.49
47.0-48.0	55.8	4.5	143.1	1.84	58.33
48.0-49.0	54.7	4.5	147.6	1.83	60.16
49.0-50.0	53.6	4.5	152.1	1.82	61.98
50.0-51.0	52.2	4.4	156.5	1.80	63.78
51.0-52.0	49.2	4.2	160.7	1.72	65.50
52.0-53.0	45.3	3.9	164.7	1.61	67.11
53.0-54.0	41.0	3.6	168.3	1.47	68.58
54.0-55.0	38.3	3.4	171.7	1.39	69.97
55.0-56.0	38.7	3.5	175.2	1.43	71.40
56.0-57.0	39.1	3.6	178.8	1.46	72.86
57.0-58.0	37.9	3.5	182.3	1.43	74.29
58.0-59.0	36.2	3.4	185.7	1.38	75.67
59.0-60.0	34.3	3.2	188.9	1.32	76.98
60.0-61.0	31.5	3.0	191.9	1.22	78.21
61.0-62.0	29.1	2.8	194.7	1.14	79.35
62.0-63.0	27.9	2.7	197.5	1.11	80.46
63.0-64.0	28.0	2.7	200.2	1.12	81.58
64.0-65.0	29.4	2.9	203.1	1.19	82.76
65.0-66.0	30.3	3.0	206.1	1.23	83.99
66.0-67.0	29.8	3.0	209.1	1.22	85.22
67.0-68.0	28.2	2.9	212.0	1.16	86.38
68.0-69.0	25.9	2.6	214.6	1.08	87.45
69.0-70.0	24.5	2.5	217.1	1.03	88.48
70.0-71.0	24.0	2.5	219.6	1.01	89.49
71.0-72.0	23.0	2.4	222.0	0.98	90.47

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 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	21.6	2.3	224.3	0.92	91.39
73.0-74.0	20.1	2.1	226.4	0.86	92.25
74.0-75.0	18.7	2.0	228.4	0.81	93.06
75.0-76.0	17.3	1.8	230.2	0.75	93.80
76.0-77.0	15.3	1.6	231.8	0.66	94.47
77.0-78.0	13.0	1.4	233.2	0.57	95.04
78.0-79.0	11.9	1.3	234.5	0.52	95.56
79.0-80.0	10.8	1.2	235.7	0.47	96.03
80.0-81.0	9.6	1.0	236.7	0.42	96.46
81.0-82.0	8.0	0.9	237.6	0.36	96.81
82.0-83.0	6.8	0.7	238.3	0.30	97.11
83.0-84.0	6.6	0.7	239.0	0.29	97.40
84.0-85.0	5.7	0.6	239.7	0.25	97.66
85.0-86.0	4.8	0.5	240.2	0.21	97.87
86.0-87.0	4.3	0.5	240.7	0.19	98.06
87.0-88.0	3.6	0.4	241.1	0.16	98.22
88.0-89.0	2.6	0.3	241.3	0.12	98.34
89.0-90.0	1.7	0.2	241.5	0.07	98.41
90.0-91.0	1.4	0.2	241.7	0.06	98.47
91.0-92.0	1.2	0.1	241.8	0.05	98.53
92.0-93.0	0.7	0.1	241.9	0.03	98.56
93.0-94.0	0.6	0.1	241.9	0.03	98.58
94.0-95.0	0.7	0.1	242.0	0.03	98.62
95.0-96.0	0.8	0.1	242.1	0.03	98.65
96.0-97.0	0.7	0.1	242.2	0.03	98.68
97.0-98.0	0.6	0.1	242.2	0.02	98.71
98.0-99.0	0.6	0.1	242.3	0.03	98.73
99.0-100.0	0.6	0.1	242.4	0.03	98.76
100.0-101.0	0.7	0.1	242.5	0.03	98.79
101.0-102.0	0.7	0.1	242.5	0.03	98.82
102.0-103.0	0.7	0.1	242.6	0.03	98.85
103.0-104.0	1.0	0.1	242.7	0.04	98.90
104.0-105.0	0.9	0.1	242.8	0.04	98.94
105.0-106.0	0.8	0.1	242.9	0.03	98.97
106.0-107.0	0.9	0.1	243.0	0.04	99.01
107.0-108.0	0.8	0.1	243.1	0.04	99.05

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 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	0.7	0.1	243.1	0.03	99.08
109.0-110.0	0.9	0.1	243.2	0.04	99.11
110.0-111.0	0.7	0.1	243.3	0.03	99.14
111.0-112.0	0.5	0.1	243.4	0.02	99.17
112.0-113.0	0.5	0.0	243.4	0.02	99.18
113.0-114.0	0.5	0.0	243.5	0.02	99.20
114.0-115.0	0.6	0.1	243.5	0.02	99.23
115.0-116.0	0.4	0.0	243.6	0.01	99.24
116.0-117.0	0.5	0.0	243.6	0.02	99.26
117.0-118.0	0.6	0.1	243.7	0.02	99.29
118.0-119.0	0.5	0.0	243.7	0.02	99.30
119.0-120.0	0.4	0.0	243.7	0.02	99.32
120.0-121.0	0.4	0.0	243.8	0.02	99.34
121.0-122.0	0.3	0.0	243.8	0.01	99.35
122.0-123.0	0.2	0.0	243.8	0.01	99.35
123.0-124.0	0.2	0.0	243.8	0.01	99.36
124.0-125.0	0.3	0.0	243.9	0.01	99.37
125.0-126.0	0.4	0.0	243.9	0.02	99.39
126.0-127.0	0.5	0.0	244.0	0.02	99.40
127.0-128.0	0.3	0.0	244.0	0.01	99.42
128.0-129.0	0.3	0.0	244.0	0.01	99.43
129.0-130.0	0.2	0.0	244.0	0.01	99.43
130.0-131.0	0.2	0.0	244.0	0.01	99.44
131.0-132.0	0.2	0.0	244.1	0.01	99.44
132.0-133.0	0.2	0.0	244.1	0.01	99.45
133.0-134.0	0.5	0.0	244.1	0.02	99.47
134.0-135.0	0.7	0.1	244.2	0.02	99.49
135.0-136.0	0.5	0.0	244.2	0.02	99.51
136.0-137.0	0.4	0.0	244.2	0.01	99.52
137.0-138.0	0.5	0.0	244.3	0.01	99.53
138.0-139.0	0.6	0.0	244.3	0.02	99.55
139.0-140.0	0.9	0.1	244.4	0.03	99.58
140.0-141.0	0.8	0.1	244.4	0.02	99.60
141.0-142.0	0.6	0.0	244.5	0.02	99.62
142.0-143.0	0.6	0.0	244.5	0.02	99.64
143.0-144.0	0.8	0.1	244.6	0.02	99.66

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 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	0.7	0.0	244.6	0.02	99.68
145.0-146.0	0.9	0.1	244.7	0.02	99.70
146.0-147.0	0.8	0.0	244.7	0.02	99.72
147.0-148.0	0.4	0.0	244.7	0.01	99.73
148.0-149.0	0.6	0.0	244.8	0.01	99.74
149.0-150.0	1.0	0.1	244.8	0.02	99.76
150.0-151.0	1.1	0.1	244.9	0.02	99.79
151.0-152.0	0.5	0.0	244.9	0.01	99.80
152.0-153.0	0.5	0.0	244.9	0.01	99.81
153.0-154.0	0.8	0.0	245.0	0.02	99.83
154.0-155.0	0.5	0.0	245.0	0.01	99.84
155.0-156.0	0.5	0.0	245.0	0.01	99.84
156.0-157.0	0.6	0.0	245.1	0.01	99.85
157.0-158.0	0.9	0.0	245.1	0.01	99.87
158.0-159.0	0.9	0.0	245.1	0.02	99.88
159.0-160.0	0.6	0.0	245.2	0.01	99.89
160.0-161.0	0.6	0.0	245.2	0.01	99.90
161.0-162.0	0.9	0.0	245.2	0.01	99.92
162.0-163.0	0.8	0.0	245.2	0.01	99.93
163.0-164.0	0.9	0.0	245.3	0.01	99.94
164.0-165.0	0.9	0.0	245.3	0.01	99.95
165.0-166.0	0.5	0.0	245.3	0.01	99.95
166.0-167.0	0.5	0.0	245.3	0.01	99.96
167.0-168.0	0.8	0.0	245.3	0.01	99.97
168.0-169.0	0.7	0.0	245.3	0.01	99.97
169.0-170.0	0.3	0.0	245.4	0.00	99.97
170.0-171.0	0.6	0.0	245.4	0.00	99.98
171.0-172.0	0.9	0.0	245.4	0.01	99.98
172.0-173.0	0.8	0.0	245.4	0.00	99.99
173.0-174.0	0.5	0.0	245.4	0.00	99.99
174.0-175.0	0.4	0.0	245.4	0.00	99.99
175.0-176.0	0.4	0.0	245.4	0.00	100.00
176.0-177.0	0.8	0.0	245.4	0.00	100.00
177.0-178.0	0.8	0.0	245.4	0.00	100.00
178.0-179.0	0.6	0.0	245.4	0.00	100.00
179.0-180.0	1.1	0.0	245.4	0.00	100.00

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:



## Candlepower Table

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G0.0	80.0	81.9	84.1	83.1	80.0	81.9	84.1	83.1	80.0	
G1.0	84.1	81.7	82.4	80.9	80.4	83.7	83.0	83.8	84.1	
G2.0	84.3	82.5	80.6	82.2	80.0	83.6	81.0	82.6	84.3	
G3.0	80.4	84.0	81.1	80.2	83.8	82.6	83.1	81.7	80.4	
G4.0	80.5	84.5	82.0	80.3	79.2	83.8	80.6	83.6	80.5	
G5.0	84.4	84.1	81.4	82.6	82.8	81.5	80.3	83.8	84.4	
G6.0	84.2	85.0	81.4	84.2	79.0	83.4	83.1	83.7	84.2	
G7.0	83.5	83.2	81.2	81.6	83.1	83.1	83.4	84.2	83.5	
G8.0	83.4	83.9	81.1	82.8	78.9	82.9	81.2	84.1	83.4	
G9.0	79.6	84.1	81.3	79.1	83.0	81.7	80.9	82.4	79.6	
G10.0	79.6	84.9	83.2	81.9	82.4	81.2	84.2	80.1	79.6	
G11.0	79.2	83.7	81.9	78.6	78.0	79.9	80.0	79.9	79.2	
G12.0	82.3	81.1	82.9	81.9	81.6	82.2	79.6	80.1	82.3	
G13.0	78.3	81.7	81.1	82.1	81.0	81.6	83.5	82.7	78.3	
G14.0	78.8	81.5	82.5	78.6	76.6	81.4	82.8	80.9	78.8	
G15.0	79.2	84.7	80.8	80.2	75.9	77.6	79.0	84.1	79.2	
G16.0	79.2	84.2	80.6	76.3	75.9	80.9	81.8	80.6	79.2	
G17.0	79.2	83.8	77.9	75.4	75.1	77.1	81.2	78.8	79.2	
G18.0	78.7	81.8	77.5	78.5	74.0	79.8	77.0	82.4	78.7	
G19.0	82.2	82.7	79.7	74.5	76.2	74.2	80.5	83.9	82.2	
G20.0	82.1	81.8	76.1	79.2	75.3	73.3	80.9	78.4	82.1	
G21.0	78.2	78.4	75.4	77.8	71.9	76.2	75.2	78.7	78.2	
G22.0	81.6	80.7	79.0	75.4	74.1	75.4	77.3	77.8	81.6	
G23.0	77.9	80.3	79.1	76.3	73.4	74.4	73.9	82.7	77.9	
G24.0	81.2	77.3	74.7	75.8	73.2	70.3	76.0	80.9	81.2	
G25.0	80.1	76.8	72.3	75.5	72.7	70.5	75.1	81.0	80.1	
G26.0	76.6	74.9	75.1	70.1	71.8	71.3	73.8	76.8	76.6	
G27.0	78.3	75.7	74.5	73.5	69.6	71.1	73.5	74.8	78.3	
G28.0	77.4	75.6	73.5	68.1	68.7	70.2	73.6	78.1	77.4	
G29.0	76.4	74.4	70.4	66.5	68.6	69.6	72.4	77.3	76.4	
G30.0	73.9	74.3	73.9	66.7	67.6	72.1	73.5	78.4	73.9	
G31.0	73.5	73.8	69.3	67.8	67.0	71.6	72.6	72.6	73.5	
G32.0	72.7	73.8	71.9	62.4	65.6	67.6	69.9	75.2	72.7	
G33.0	72.2	73.2	70.1	62.9	65.4	66.5	70.7	72.8	72.2	
G34.0	71.3	72.3	65.2	65.7	65.0	65.4	69.7	73.8	71.3	
G35.0	70.8	71.8	63.9	61.0	62.8	64.1	67.4	69.6	70.8	
G36.0	69.2	68.8	62.9	63.4	61.5	65.9	66.1	69.0	69.2	

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G37.0	69.8	67.7	62.0	63.0	62.6	65.1	63.6	70.4	69.8	
G38.0	67.1	66.7	66.9	58.1	59.5	64.4	65.9	69.2	67.1	
G39.0	66.1	65.4	65.8	60.8	60.8	63.1	65.3	68.4	66.1	
G40.0	65.1	69.2	59.1	55.8	59.7	62.5	65.0	65.1	65.1	
G41.0	66.7	66.7	58.5	55.8	56.0	61.5	63.0	66.4	66.7	
G42.0	62.7	65.6	61.6	57.8	55.2	60.1	59.1	66.3	62.7	
G43.0	61.5	66.3	57.0	52.4	57.1	56.3	61.2	65.4	61.5	
G44.0	64.2	63.7	60.2	55.7	51.8	54.9	61.0	64.6	64.2	
G45.0	59.8	63.6	59.3	55.8	53.5	53.3	57.2	61.7	59.8	
G46.0	58.5	59.2	55.6	50.7	52.2	54.0	55.6	60.5	58.5	
G47.0	57.4	62.8	57.4	47.2	51.2	53.7	57.1	61.3	57.4	
G48.0	56.4	58.3	56.2	51.7	53.2	52.5	56.8	60.0	56.4	
G49.0	56.2	57.3	51.0	50.4	53.8	53.7	51.7	56.5	56.2	
G50.0	59.0	56.6	47.5	53.4	50.8	51.7	48.9	59.1	59.0	
G51.0	53.7	58.8	44.7	48.1	48.4	45.4	51.5	58.1	53.7	
G52.0	57.0	55.4	41.7	38.5	39.2	40.3	52.9	53.4	57.0	
G53.0	51.9	50.9	45.8	36.4	30.5	31.6	47.1	51.9	51.9	
G54.0	50.2	49.8	41.3	21.9	27.3	24.0	43.5	52.4	50.2	
G55.0	49.0	51.8	38.0	23.4	24.0	25.1	40.7	51.0	49.0	
G56.0	51.8	50.1	33.0	28.5	30.1	35.4	36.4	51.2	51.8	
G57.0	47.5	51.6	26.5	31.6	32.4	38.2	31.2	50.8	47.5	
G58.0	49.1	50.8	14.8	32.7	35.8	40.5	28.1	45.6	49.1	
G59.0	45.2	46.9	7.7	32.4	32.3	39.1	36.3	41.3	45.2	
G60.0	42.3	41.5	8.2	28.5	30.1	35.2	40.7	40.4	42.3	
G61.0	35.0	34.9	13.0	28.1	26.8	28.5	37.1	33.5	35.0	
G62.0	31.5	24.8	10.6	31.7	30.7	29.5	39.0	30.5	31.5	
G63.0	26.9	21.2	10.1	33.7	31.3	30.6	34.8	29.8	26.9	
G64.0	29.9	23.5	12.8	32.8	30.8	31.7	31.5	36.3	29.9	
G65.0	36.1	29.7	10.1	31.6	30.3	34.1	32.3	37.3	36.1	
G66.0	35.3	37.4	10.4	30.3	28.7	33.6	33.8	33.6	35.3	
G67.0	36.5	39.4	8.3	24.7	27.1	32.3	30.4	35.5	36.5	
G68.0	33.5	35.8	8.5	22.6	25.7	30.5	28.4	31.7	33.5	
G69.0	27.0	28.3	6.8	24.5	23.6	28.7	27.2	31.3	27.0	
G70.0	27.2	31.4	6.2	23.0	23.8	26.3	26.0	31.0	27.2	
G71.0	29.4	27.3	11.1	17.9	22.3	22.6	30.1	27.9	29.4	
G72.0	29.2	28.7	10.7	18.1	18.6	25.2	22.4	27.0	29.2	
G73.0	28.3	31.8	10.1	19.0	16.6	19.5	16.3	24.8	28.3	

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G74.0	26.5	31.0	8.1	13.9	18.7	20.8	9.7	26.4	26.5	
G75.0	26.3	29.8	5.9	16.0	14.2	19.5	11.8	21.4	26.3	
G76.0	24.5	23.2	5.9	14.4	15.1	14.3	10.9	23.3	24.5	
G77.0	20.9	21.7	5.2	12.7	12.0	16.7	8.0	15.6	20.9	
G78.0	19.1	23.0	4.5	7.5	6.1	10.9	10.9	13.6	19.1	
G79.0	20.7	22.3	4.9	10.1	3.8	12.3	8.9	12.3	20.7	
G80.0	19.8	21.1	5.8	4.1	1.4	5.7	4.3	15.0	19.8	
G81.0	18.7	18.0	1.6	7.0	0.0	7.0	8.9	15.1	18.7	
G82.0	12.6	16.4	3.8	3.5	0.0	1.0	4.2	10.9	12.6	
G83.0	14.8	16.8	3.9	3.1	2.2	2.2	3.5	9.8	14.8	
G84.0	10.6	13.6	1.3	4.1	2.1	2.1	5.2	10.4	10.6	
G85.0	12.9	10.7	3.9	4.4	0.0	0.0	0.5	9.3	12.9	
G86.0	6.6	8.7	1.1	0.2	1.8	3.9	2.8	10.0	6.6	
G87.0	5.5	8.8	0.8	3.1	1.5	3.2	2.2	8.0	5.5	
G88.0	8.4	6.8	0.4	0.0	0.0	0.4	0.0	8.3	8.4	
G89.0	3.1	4.5	0.0	1.0	1.2	2.6	0.0	4.4	3.1	
G90.0	1.2	1.1	0.0	2.4	0.0	0.8	0.0	4.0	1.2	
G91.0	3.4	1.1	0.8	2.4	0.8	2.0	0.0	2.1	3.4	
G92.0	0.0	0.4	0.6	2.0	0.6	0.8	1.4	0.9	0.0	
G93.0	0.0	0.0	0.0	1.7	0.0	1.0	0.0	1.2	0.0	
G94.0	0.0	0.0	0.4	1.6	0.4	1.3	1.2	1.0	0.0	
G95.0	2.0	1.3	0.2	0.9	0.3	0.0	0.0	1.2	2.0	
G96.0	1.7	1.3	0.0	1.1	0.2	0.0	2.4	0.0	1.7	
G97.0	0.0	0.0	1.7	0.0	0.1	0.0	2.5	0.9	0.0	
G98.0	1.2	0.0	1.8	0.0	0.0	0.1	0.0	0.6	1.2	
G99.0	0.9	1.5	0.0	0.0	0.0	0.1	0.8	2.0	0.9	
G100.0	0.0	1.4	1.9	0.3	0.0	0.2	0.7	0.0	0.0	
G101.0	0.0	0.0	0.0	0.0	0.0	2.0	2.2	2.7	0.0	
G102.0	0.0	0.0	2.0	0.3	0.0	2.0	0.0	0.0	0.0	
G103.0	0.4	1.5	0.0	1.8	0.0	0.0	0.6	2.9	0.4	
G104.0	0.0	3.0	2.3	2.1	0.0	0.0	2.0	0.0	0.0	
G105.0	0.1	1.4	0.0	2.1	0.0	2.1	0.0	0.0	0.1	
G106.0	0.0	1.4	0.9	2.5	0.0	0.0	0.4	1.4	0.0	
G107.0	0.0	1.4	1.0	2.4	0.0	2.3	0.0	0.0	0.0	
G108.0	0.0	1.3	0.0	0.9	0.0	2.4	1.7	0.0	0.0	
G109.0	0.0	0.0	0.0	2.6	0.0	0.0	1.5	1.3	0.0	
G110.0	0.0	2.2	2.5	0.0	0.0	2.6	1.6	0.0	0.0	

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

### Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0
G111.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.9	0.0
G112.0	0.0	2.0	2.5	1.0	0.0	0.0	0.0	0.0	0.0
G113.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.8	0.0
G114.0	0.0	0.0	2.3	0.0	0.0	0.0	1.4	2.1	0.0
G115.0	0.0	1.5	0.0	0.9	0.0	0.0	1.3	0.0	0.0
G116.0	0.0	1.3	0.0	0.0	0.0	1.0	0.0	0.0	0.0
G117.0	0.0	0.0	2.1	1.0	0.0	2.5	0.0	0.0	0.0
G118.0	0.0	0.0	0.4	0.0	0.0	2.3	1.1	0.0	0.0
G119.0	0.0	0.0	0.0	0.9	0.0	0.0	1.2	1.3	0.0
G120.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.2	0.0
G121.0	0.0	0.0	0.2	2.3	0.0	0.6	0.0	1.0	0.0
G122.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.6	0.0
G123.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.5	0.0
G124.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0
G125.0	0.0	0.0	0.4	1.7	0.0	0.0	0.7	0.0	0.0
G126.0	0.0	0.0	0.8	0.9	0.0	1.7	0.5	0.0	0.0
G127.0	0.0	0.3	0.7	0.0	0.0	1.6	0.0	1.3	0.0
G128.0	0.0	0.0	0.5	0.0	0.0	1.1	0.0	0.0	0.0
G129.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.5	0.0
G130.0	0.0	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.0
G131.0	0.0	0.0	0.0	0.8	0.0	0.0	0.3	0.4	0.0
G132.0	0.0	0.0	0.1	0.7	0.0	0.0	0.2	0.0	0.0
G133.0	0.0	0.0	0.0	0.9	0.0	1.2	0.0	0.0	0.0
G134.0	0.1	2.5	0.4	0.6	0.0	0.3	0.0	2.4	0.1
G135.0	0.8	1.0	0.5	0.3	0.1	0.0	0.0	2.5	0.8
G136.0	0.0	1.2	0.0	0.2	0.2	0.5	0.0	1.0	0.0
G137.0	0.0	0.0	0.6	1.5	0.2	0.8	0.0	1.1	0.0
G138.0	0.0	2.8	0.0	0.0	0.3	0.0	0.0	0.0	0.0
G139.0	0.0	1.2	2.5	0.0	0.0	0.8	0.0	2.7	0.0
G140.0	0.0	0.0	0.0	1.8	0.5	0.9	1.5	2.6	0.0
G141.0	0.0	0.0	0.0	0.5	0.6	0.9	1.5	2.7	0.0
G142.0	0.0	1.1	1.2	0.6	0.0	1.0	0.0	0.0	0.0
G143.0	0.3	2.5	0.0	0.0	0.0	0.7	0.0	2.8	0.3
G144.0	0.0	0.0	2.8	2.3	0.9	1.0	0.1	0.0	0.0
G145.0	0.0	0.0	0.0	2.3	0.8	0.5	0.1	0.0	0.0
G146.0	0.0	2.2	2.7	2.5	0.0	0.0	0.0	2.6	0.0
G147.0	0.7	0.0	0.0	0.0	1.1	1.0	0.0	0.0	0.7

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

**Candlepower Table (Continue 4)**

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G148.0	0.0	0.5	0.0	1.1	1.1	0.5	0.2	0.0	0.0	
G149.0	0.0	0.4	2.5	0.0	0.0	0.8	0.0	2.3	0.0	
G150.0	1.0	0.0	2.7	0.0	1.3	0.9	1.8	2.2	1.0	
G151.0	0.0	0.0	0.0	2.8	0.0	1.0	1.7	1.8	0.0	
G152.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G153.0	0.0	0.0	0.0	2.8	1.2	0.8	1.9	1.7	0.0	
G154.0	1.3	0.0	0.8	0.0	0.0	0.9	0.0	1.5	1.3	
G155.0	1.4	0.0	0.0	1.3	0.0	1.0	0.0	0.3	1.4	
G156.0	3.0	0.0	0.0	0.0	0.0	0.8	0.0	0.4	3.0	
G157.0	0.0	1.1	0.0	0.0	1.3	1.1	0.3	1.0	0.0	
G158.0	0.0	1.3	0.0	2.9	1.2	1.1	1.7	0.9	0.0	
G159.0	1.2	0.3	1.7	0.0	1.2	0.0	0.1	0.9	1.2	
G160.0	1.3	0.1	1.7	0.0	0.0	0.5	0.1	0.6	1.3	
G161.0	1.2	0.3	1.5	1.3	0.0	0.3	0.1	0.7	1.2	
G162.0	1.1	0.5	1.4	1.2	0.0	1.5	1.5	1.5	1.1	
G163.0	0.0	0.0	1.2	0.0	0.0	0.2	0.2	1.7	0.0	
G164.0	0.9	2.3	1.0	2.7	0.0	0.1	1.6	1.8	0.9	
G165.0	0.7	0.9	0.9	0.0	0.6	0.1	1.4	0.0	0.7	
G166.0	0.6	0.0	0.8	0.0	0.0	0.0	1.5	0.0	0.6	
G167.0	0.0	1.1	1.3	0.0	0.0	0.5	0.4	2.1	0.0	
G168.0	0.0	1.1	0.0	2.3	0.3	0.0	1.3	2.1	0.0	
G169.0	0.0	0.0	0.6	2.1	0.0	0.7	0.5	0.0	0.0	
G170.0	0.0	0.0	0.3	0.0	0.0	0.0	1.1	0.0	0.0	
G171.0	0.0	2.9	1.7	0.0	0.0	0.0	0.8	2.6	0.0	
G172.0	0.0	3.0	0.1	0.2	0.0	1.1	1.4	1.1	0.0	
G173.0	0.0	2.9	0.4	0.1	0.0	1.0	0.9	1.1	0.0	
G174.0	0.0	0.0	0.0	0.0	0.0	1.3	0.8	0.0	0.0	
G175.0	0.0	2.9	0.0	0.6	0.0	0.0	0.7	0.0	0.0	
G176.0	0.3	0.0	0.0	1.1	0.3	0.0	0.6	0.0	0.3	
G177.0	0.7	0.0	0.8	1.5	0.5	2.9	1.5	2.9	0.7	
G178.0	0.0	0.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	
G179.0	0.0	1.4	3.0	0.0	0.0	2.7	1.7	0.0	0.0	
G180.0	0.0	0.0	0.0	1.4	1.4	0.1	2.2	3.1	0.0	

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector: