

Report No.:

Test Time: 2020-08-04 15:44

## Luminaire Property

Luminaire Manufacturer:

Luminaire Description: MLS0120W24V40KHDB77

Voltage: 11.7 V

Current: 2.621 A

Power: 22.60 W

Power Factor: 0.736

Volt Amps: 30.71 VA

## Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 2100.5 lm

Measurement Flux: 2100.5 lm

Efficiency: 100%

Downward Ratio: 99%

Upward Ratio: 1%

Horizontal Diffuse Angle(10%,50%,75%,100%): H139.5,H86.8,H62.9,H2

Vertical Diffuse Angle(10%,50%,75%,100%): V155.6,V104,V82,V4

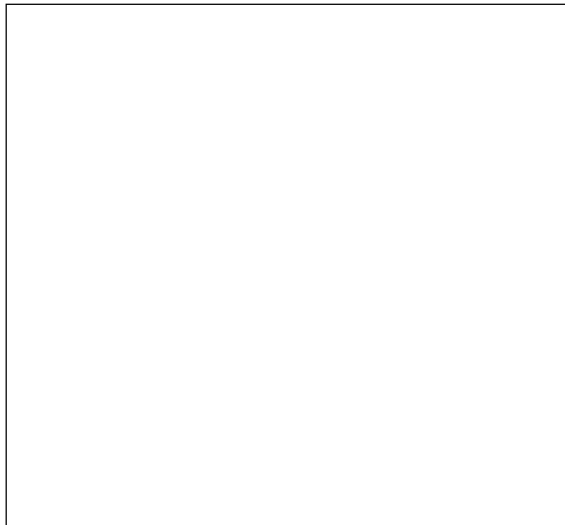
Luminaire Efficacy Rating (LER): 93

Central Intensity: 891.02 cd

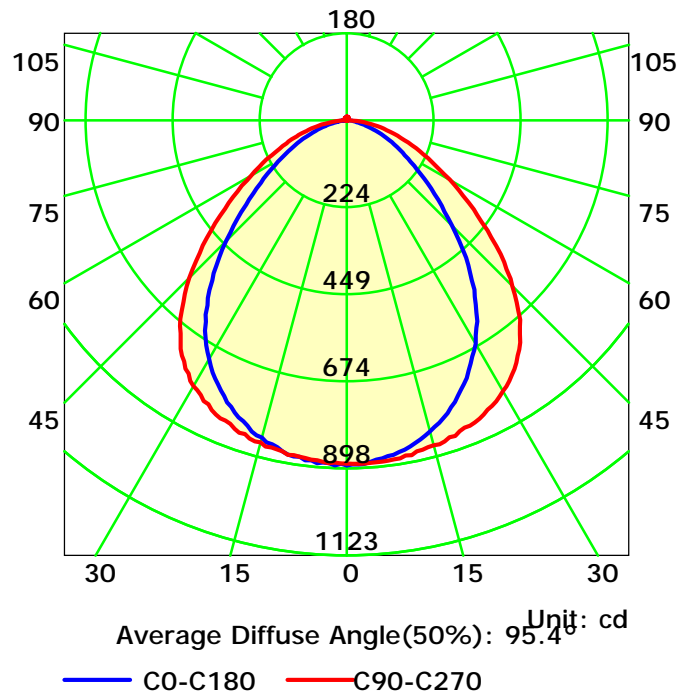
Max. Intensity: 891.47 cd

Pos of Max. Intensity: H180 V2

Picture Of Luminaire



Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 45.0

Gamma Plane (°):0.0-180.0: 1.0

Test Lab:

Test Device: GPM-1600

Test Type: TYPE C

Distance: 8.177 m

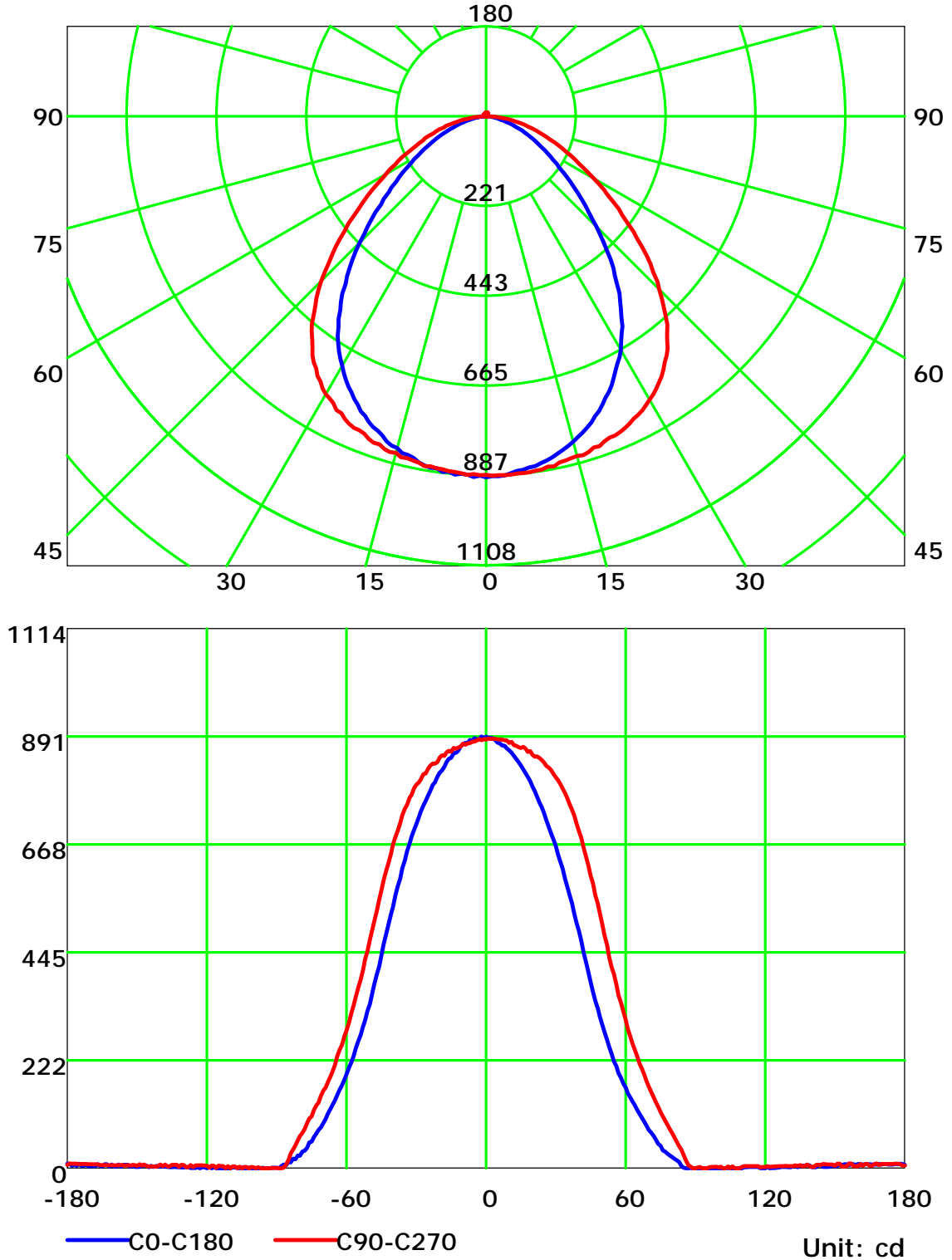
Temperature:

Humidity:

Operator:

Inspector:

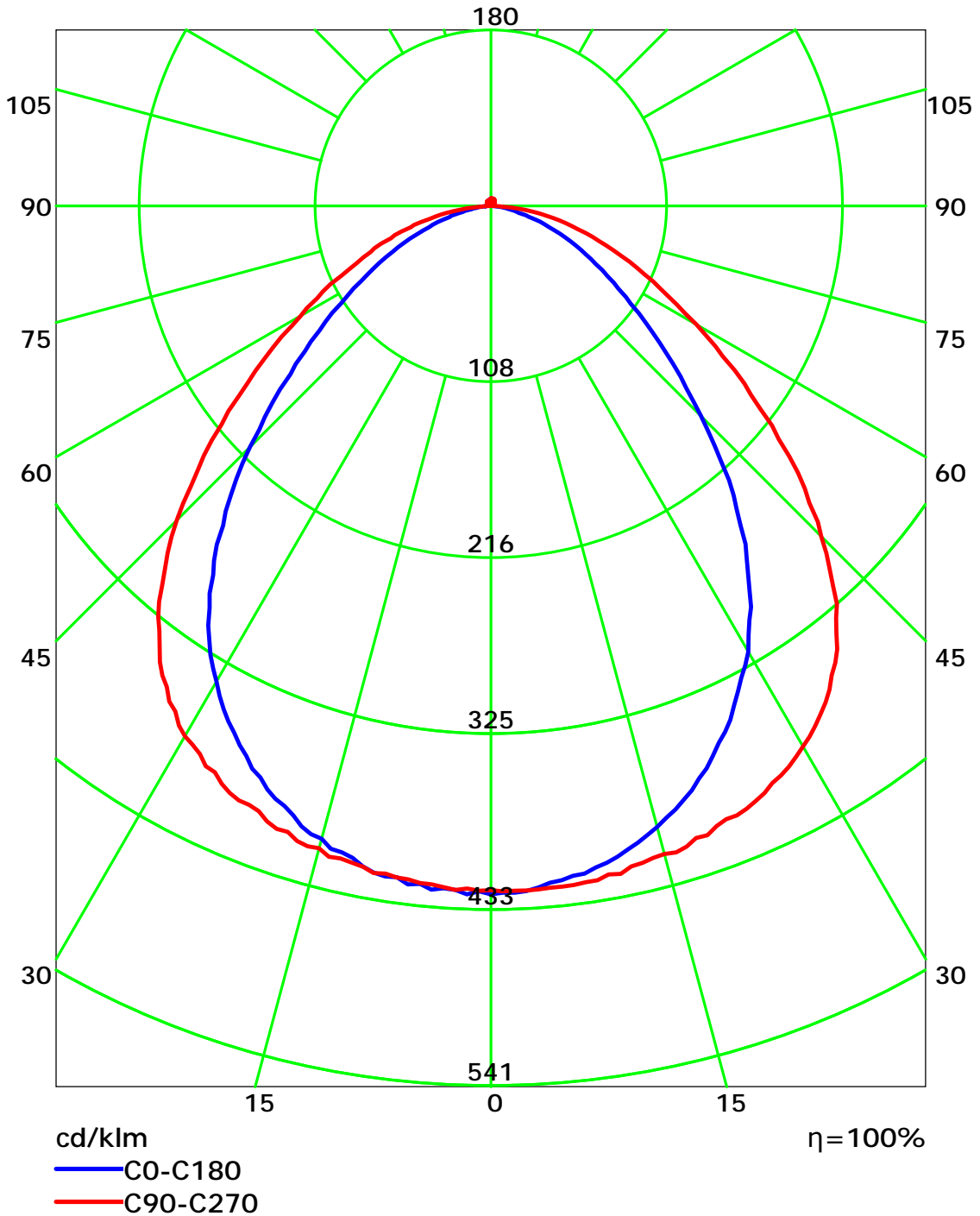
## Luminous Intensity Distribution Curve



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)



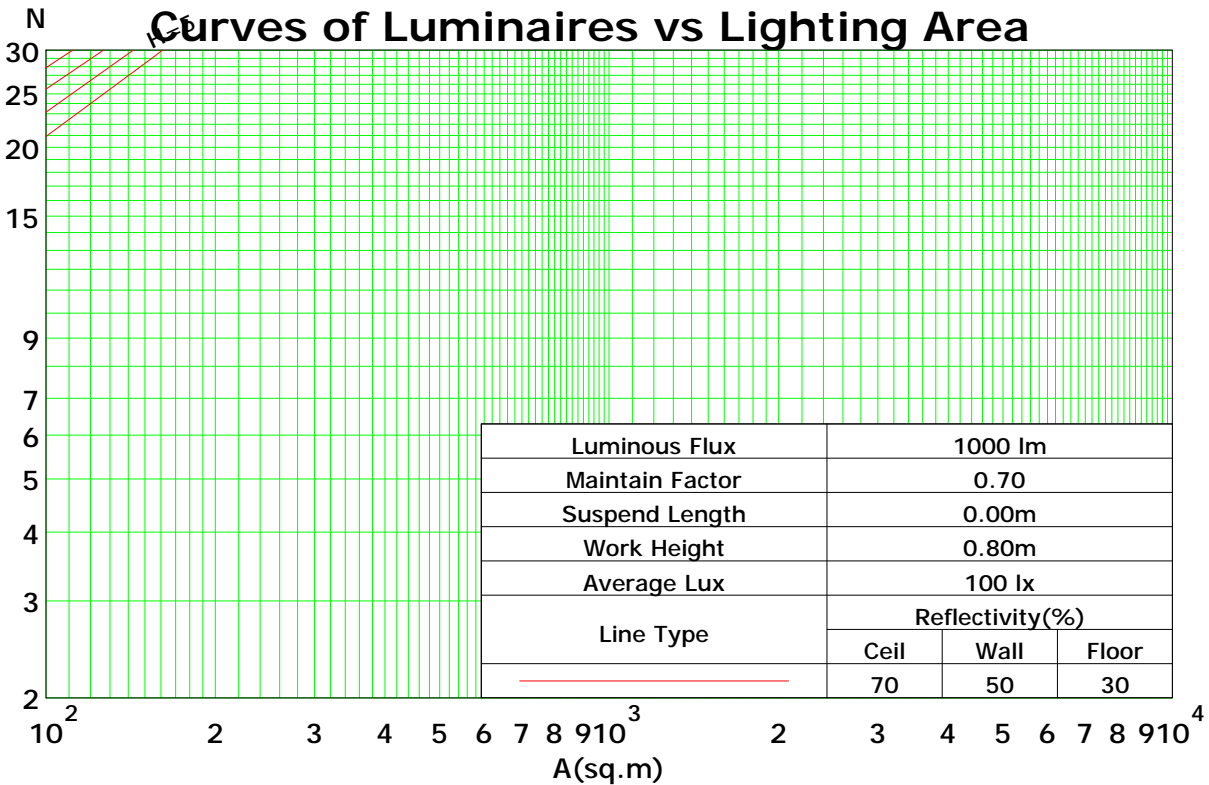
C Plane (°):0.0-360.0: 45.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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	111	111	111	106	106	106	101	101	101	99
1	110	106	102	99	107	103	100	97	99	96	94	95	93	91	91	90	88	86
2	101	94	88	82	98	92	86	81	88	83	79	85	81	77	82	78	76	74
3	93	83	76	70	90	82	75	69	79	73	68	76	71	67	73	69	65	63
4	86	75	66	60	83	73	66	60	71	64	59	68	63	58	66	61	57	55
5	79	67	59	53	77	66	58	52	64	57	52	62	56	51	60	55	50	48
6	73	61	52	46	71	60	52	46	58	51	46	56	50	45	55	49	45	43
7	68	55	47	41	66	55	47	41	53	46	41	51	45	40	50	44	40	38
8	64	51	43	37	62	50	42	37	49	42	37	47	41	36	46	40	36	34
9	59	47	39	34	58	46	39	33	45	38	33	44	38	33	43	37	33	31
10	56	43	36	31	55	43	35	30	42	35	30	41	34	30	40	34	30	28

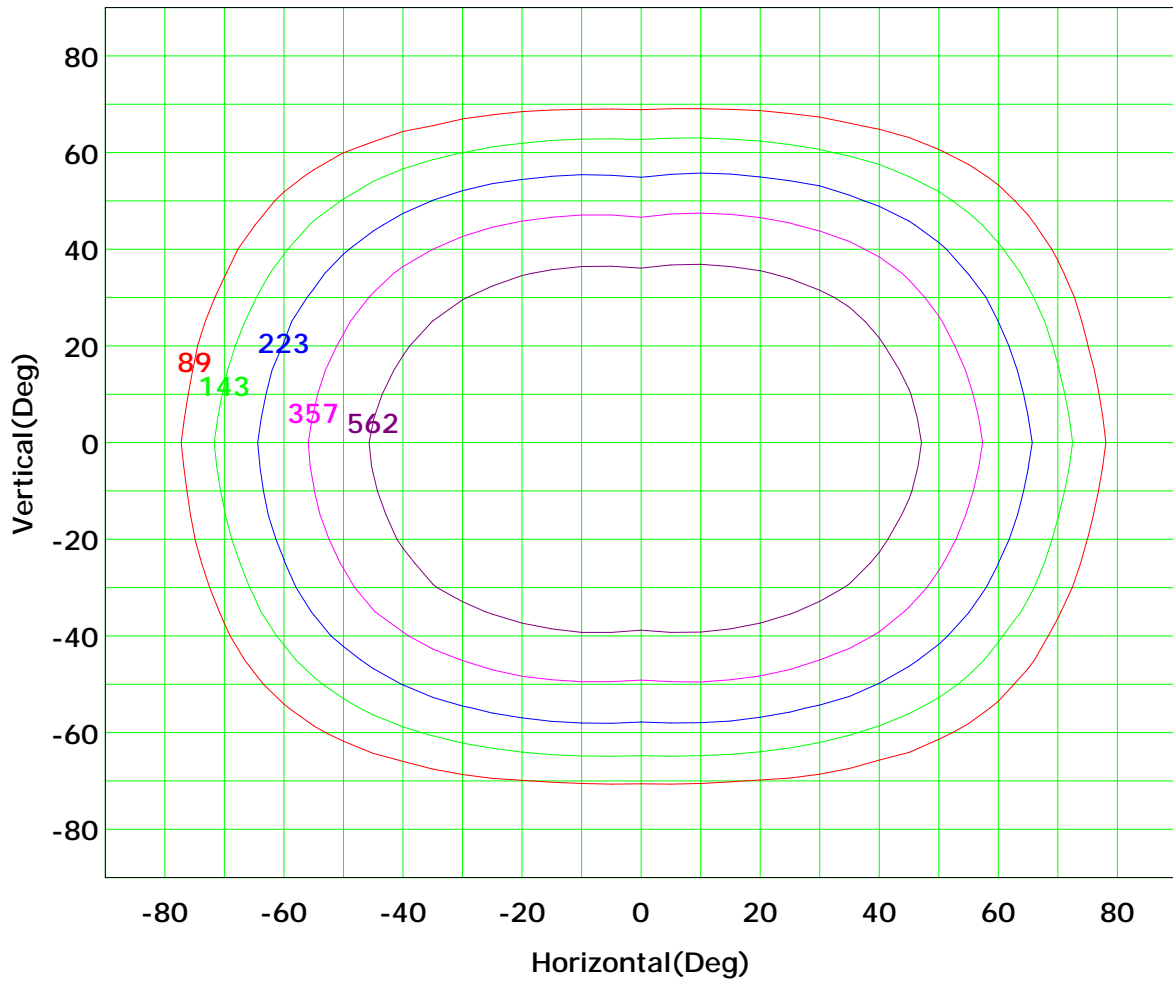
Spacing Criteria (0-180): 1.16  
 Spacing Criteria (90-270): 1.33  
 Spacing Criteria (Diagonal): 1.32



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)



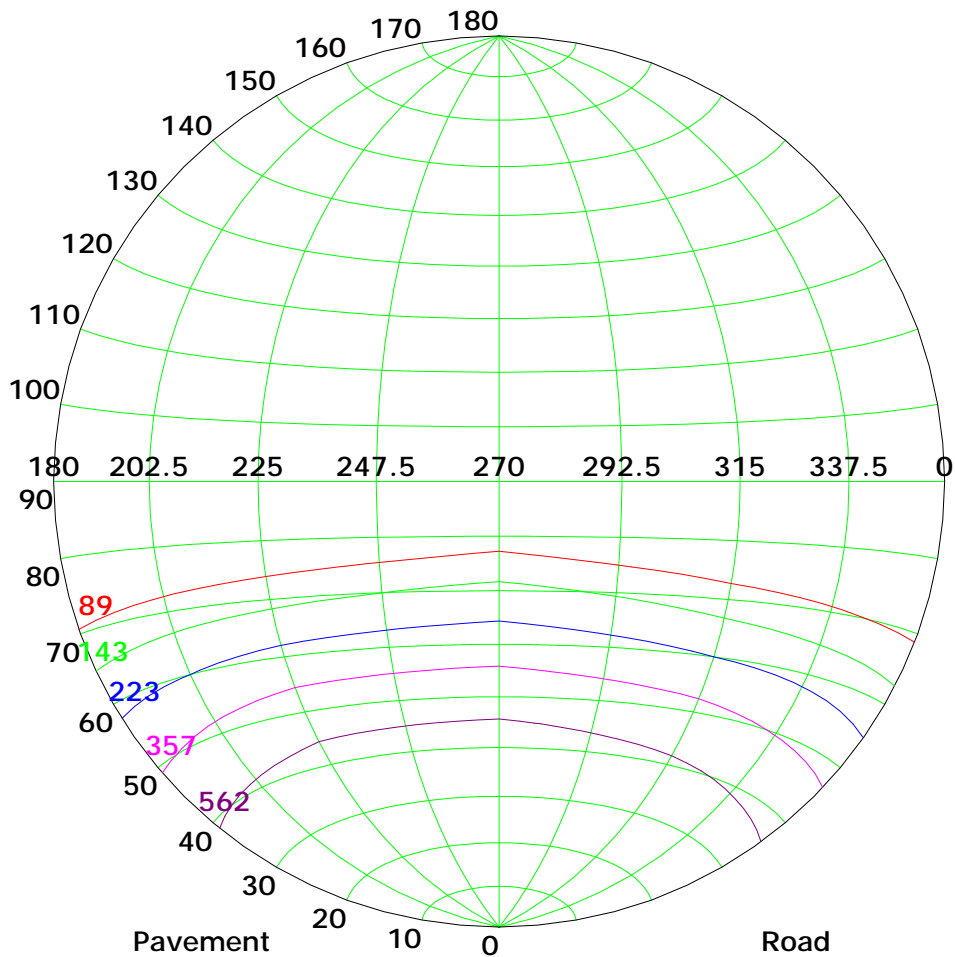
Imax (100%): 891 cd

— ( 10%):	89 cd	— ( 16%):	143 cd
— ( 25%):	223 cd	— ( 40%):	357 cd
— ( 63%):	562 cd	— (100%):	891 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)



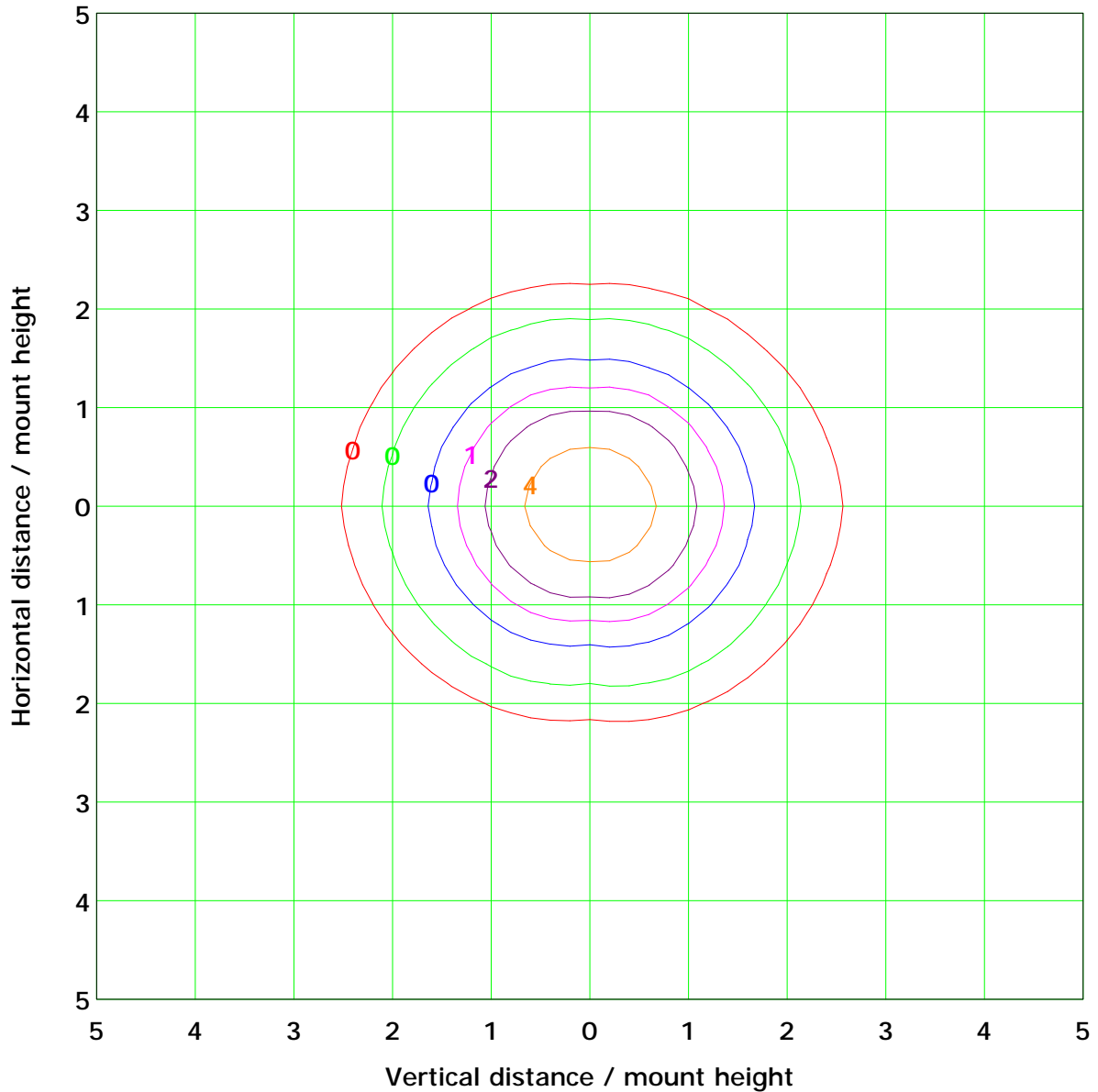
Imax (100%): 891 cd

— ( 10%): 89 cd	— ( 16%): 143 cd
— ( 25%): 223 cd	— ( 40%): 357 cd
— ( 63%): 562 cd	— (100%): 891 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



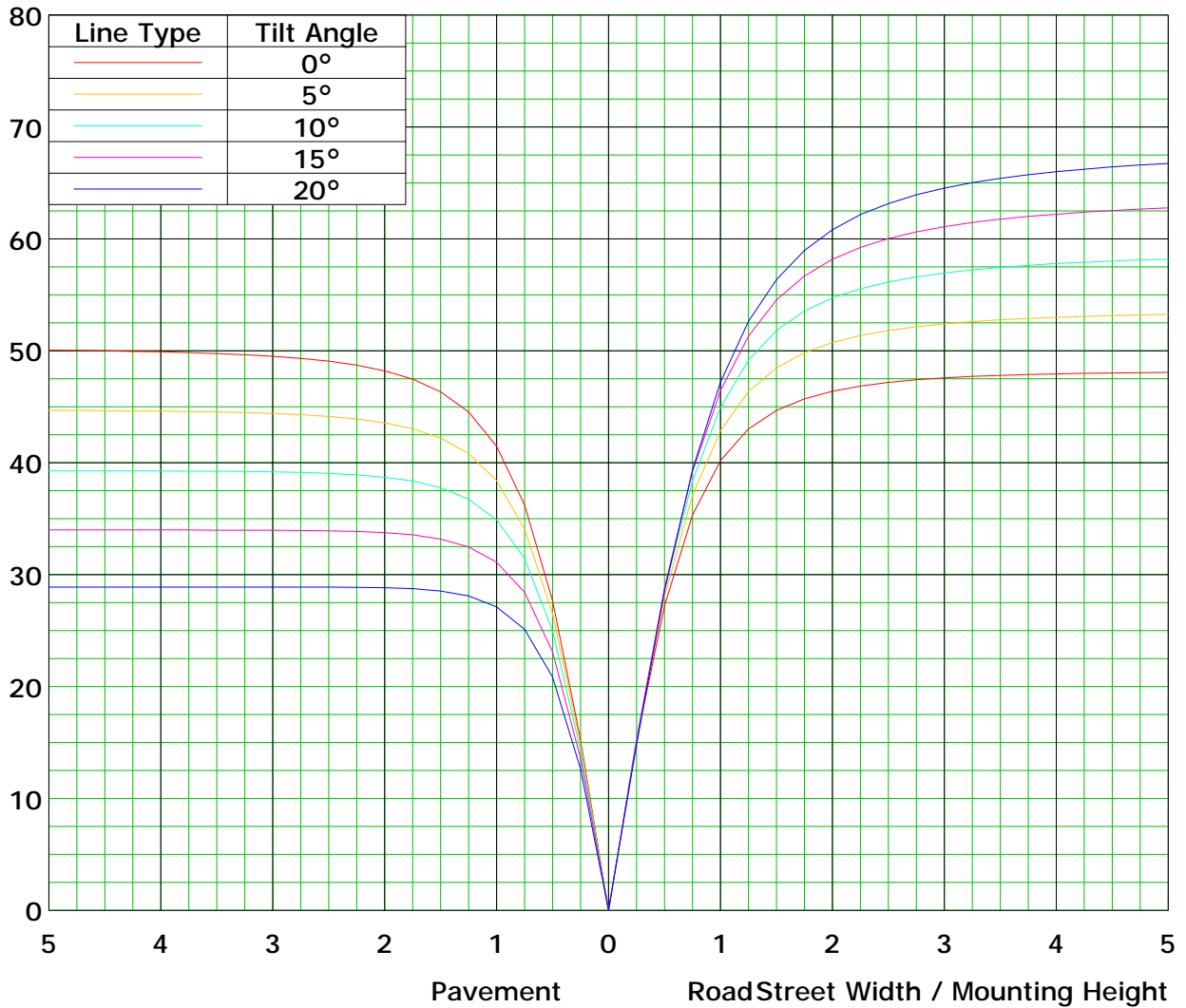
Mounting Height: 10.0m    Max Lux(100%): 8.9 lx	
— ( 1%): 0.1 lx	— ( 2%): 0.2 lx
— ( 5%): 0.4 lx	— ( 10%): 0.9 lx
— ( 20%): 1.8 lx	— ( 50%): 4.5 lx
— (100%): 8.9 lx	

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:

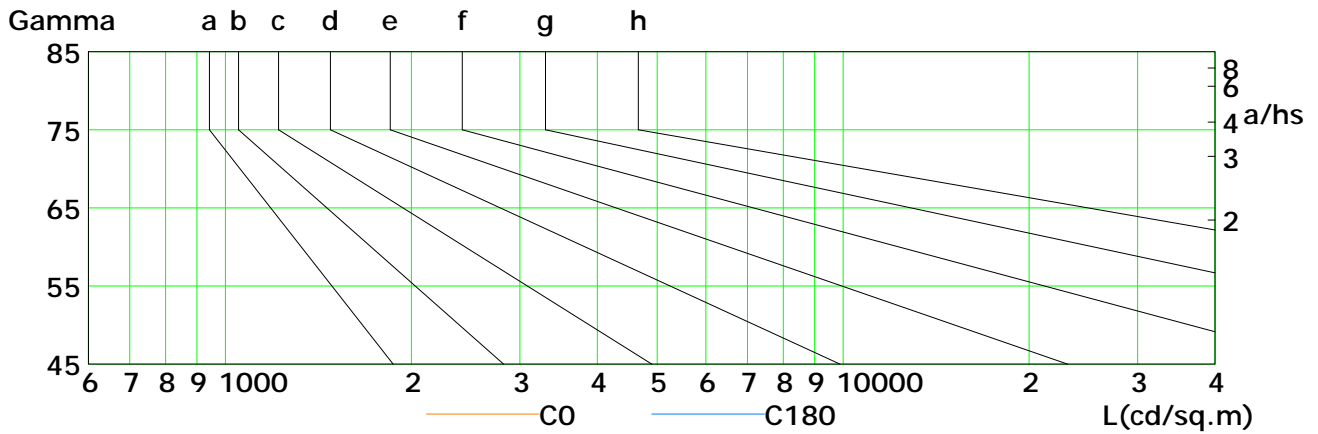
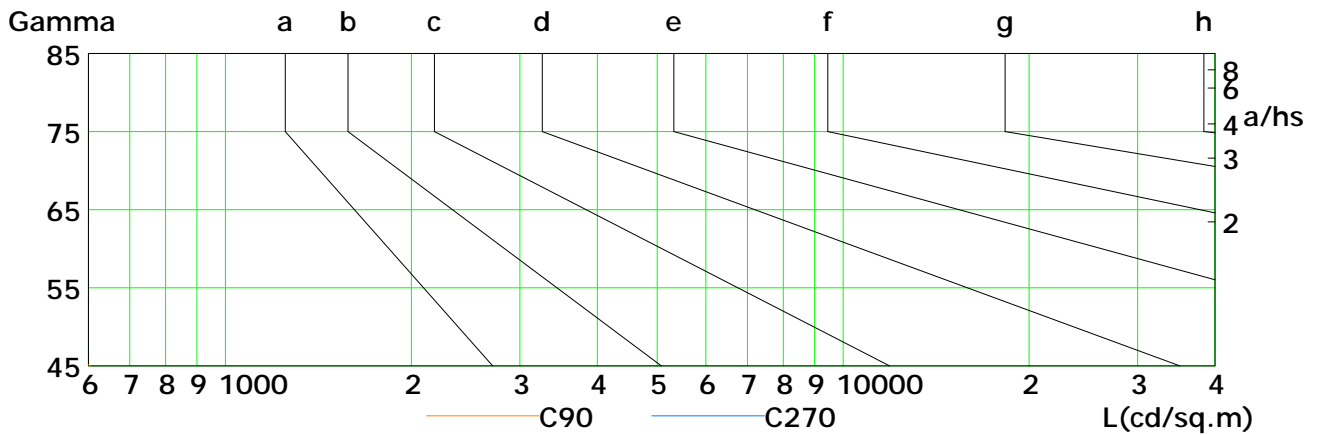
Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:



### 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

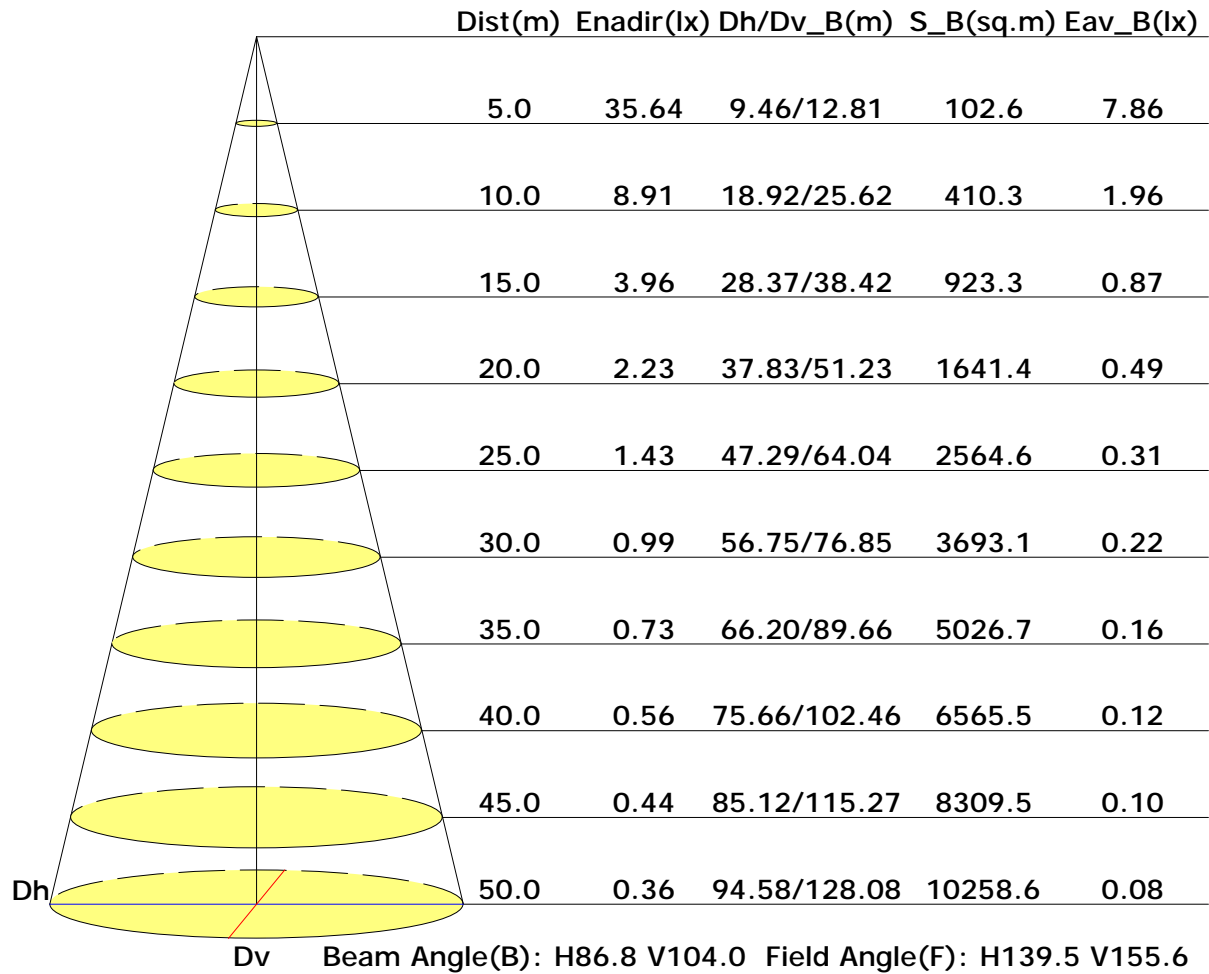


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	385	297	221	167	121	80	47	23	1
C90	605	504	401	307	232	169	116	73	28
C180	441	339	262	194	141	94	55	26	14
C270	575	472	372	285	214	161	107	67	17

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:

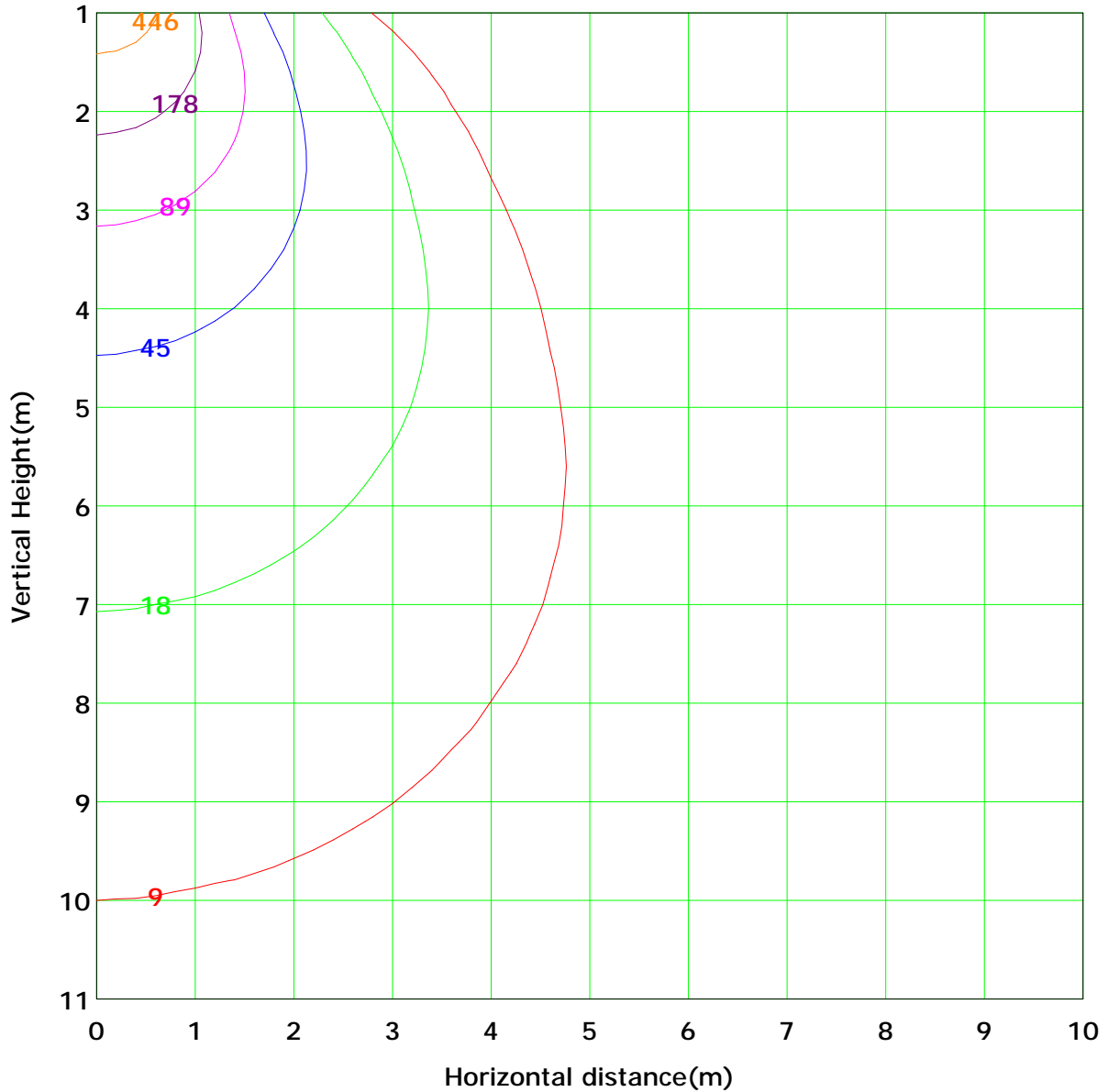
## Illuminance at a Distance



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



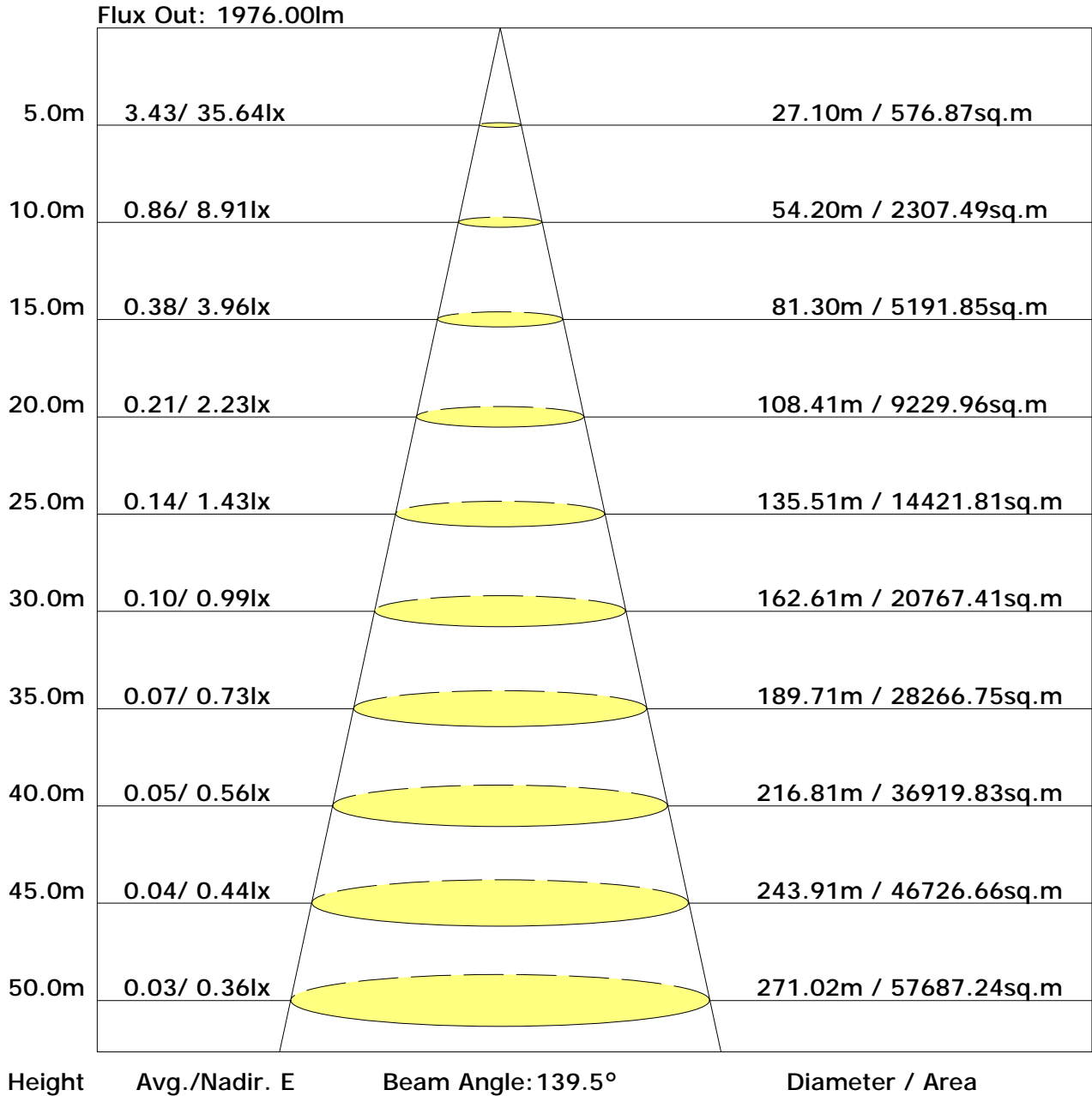
Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 891.0 lx
( 1%): 8.9 lx	( 2%): 17.8 lx	
( 5%): 44.6 lx	( 10%): 89.1 lx	
( 20%): 178.2 lx	( 50%): 445.5 lx	
(100%): 891.0 lx		

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

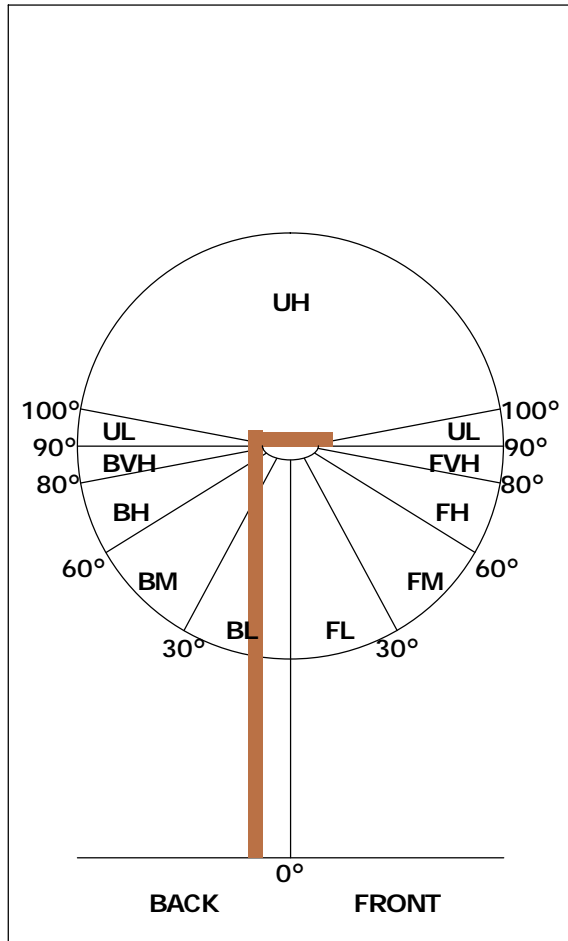
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
3H	1.\$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



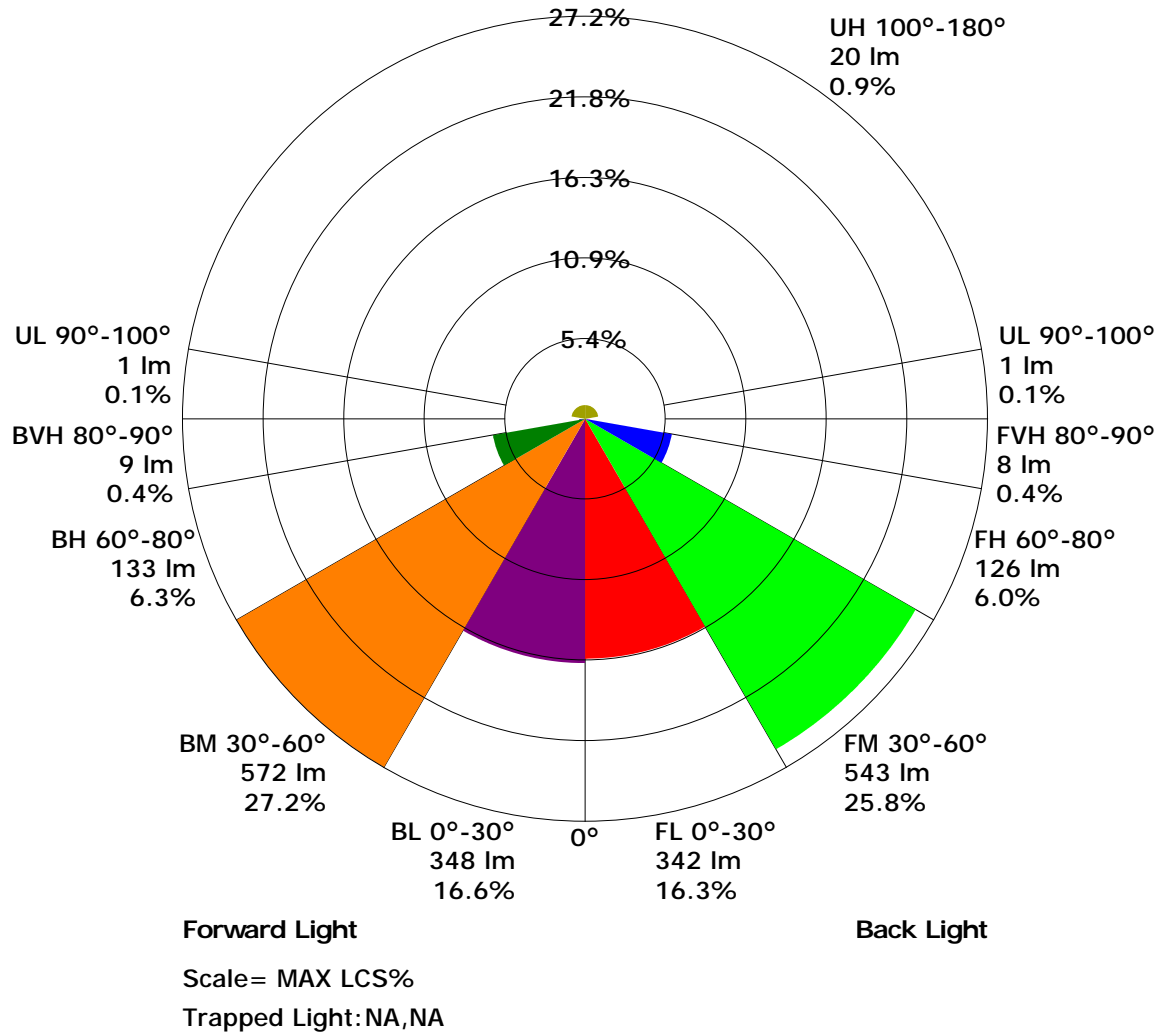
ZONE	LUMENS	% LAMP LUMENS
<b>FORWARD LIGHT</b>	<b>1018</b>	<b>48.5</b>
FL ( 0°-30°)	342	16.3
FM (30°-60°)	543	25.8
FH (60°-80°)	126	6.0
FVH (80°-90°)	8	0.4
<b>BACK LIGHT</b>	<b>1061</b>	<b>50.5</b>
BL ( 0°-30°)	348	16.6
BM (30°-60°)	572	27.2
BH (60°-80°)	133	6.3
BVH (80°-90°)	9	0.4
<b>UP LIGHT</b>	<b>21</b>	<b>1.0</b>
UL (90°-100°)	1	0.1
UH (100°-180°)	20	0.9
<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)	B1 U2 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U2 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 = 1.25								
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	0.63	0.73	0.80	0.85	0.91	0.96	0.99	1.03	1.05
	0.30		0.55	0.66	0.73	0.78	0.86	0.91	0.94	0.99	1.02
	0.20		0.50	0.61	0.68	0.74	0.81	0.87	0.91	0.96	1.00
0.50	0.50	0.20	0.61	0.71	0.77	0.82	0.88	0.92	0.95	0.99	1.01
	0.30		0.55	0.65	0.72	0.77	0.84	0.88	0.91	0.96	0.98
	0.20		0.50	0.60	0.67	0.72	0.80	0.85	0.88	0.93	0.96
0.30	0.50	0.20	0.59	0.69	0.75	0.79	0.85	0.89	0.92	0.95	0.97
	0.30		0.54	0.63	0.70	0.75	0.81	0.86	0.89	0.93	0.95
	0.20		0.49	0.59	0.66	0.71	0.78	0.83	0.86	0.90	0.93
0.00	0.00	0.00	0.47	0.57	0.63	0.68	0.75	0.79	0.82	0.86	0.88
<p>Rating: 23W 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 = 1.25									
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	0.90	0.73	0.62	0.53	0.42	0.35	0.30	0.23	0.18	
	0.30		0.75	0.63	0.54	0.47	0.38	0.32	0.27	0.21	0.18	
	0.20		0.65	0.55	0.48	0.42	0.35	0.29	0.26	0.20	0.17	
0.50	0.50	0.20	0.87	0.70	0.59	0.51	0.40	0.36	0.28	0.21	0.17	
	0.30		0.74	0.61	0.52	0.46	0.37	0.30	0.26	0.20	0.17	
	0.20		0.64	0.54	0.47	0.41	0.34	0.28	0.25	0.19	0.16	
0.30	0.50	0.20	0.84	0.67	0.56	0.48	0.38	0.31	0.26	0.20	0.16	
	0.30		0.72	0.59	0.50	0.44	0.35	0.29	0.25	0.19	0.16	
	0.20		0.63	0.53	0.46	0.40	0.33	0.27	0.24	0.18	0.15	
0.00	0.00	0.00	0.52	0.42	0.36	0.31	0.25	0.20	0.17	0.13	0.11	
<p>Rating: 23W 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 = 1.25									
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	0.18	0.19	0.19	0.20	0.21	0.21	0.22	0.22	
	0.30		0.10	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	0.13	0.14	0.15	0.17	0.18	
0.50	0.50	0.20	0.16	0.17	0.18	0.19	0.20	0.20	0.21	0.21	0.21	
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.19	
	0.20		0.06	0.08	0.09	0.10	0.12	0.14	0.15	0.17	0.18	
0.30	0.50	0.20	0.15	0.17	0.17	0.18	0.19	0.19	0.20	0.20	0.21	
	0.30		0.10	0.11	0.13	0.14	0.15	0.16	0.17	0.18	0.19	
	0.20		0.06	0.07	0.09	0.10	0.12	0.13	0.15	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:23W 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	887.2	0.8	0.8	0.04	0.04
1.0-2.0	886.9	2.5	3.4	0.12	0.16
2.0-3.0	886.6	4.2	7.6	0.20	0.36
3.0-4.0	885.2	5.9	13.6	0.28	0.65
4.0-5.0	883.7	7.6	21.2	0.36	1.01
5.0-6.0	882.1	9.3	30.4	0.44	1.45
6.0-7.0	880.6	10.9	41.4	0.52	1.97
7.0-8.0	878.4	12.6	53.9	0.60	2.57
8.0-9.0	875.9	14.2	68.1	0.68	3.24
9.0-10.0	874.0	15.8	84.0	0.75	4.00
10.0-11.0	871.1	17.4	101.4	0.83	4.83
11.0-12.0	866.8	19.0	120.3	0.90	5.73
12.0-13.0	863.2	20.5	140.8	0.98	6.70
13.0-14.0	859.9	22.0	162.8	1.05	7.75
14.0-15.0	855.2	23.5	186.3	1.12	8.87
15.0-16.0	850.9	24.9	211.2	1.19	10.06
16.0-17.0	847.2	26.4	237.6	1.26	11.31
17.0-18.0	841.5	27.8	265.4	1.32	12.63
18.0-19.0	835.9	29.1	294.5	1.38	14.02
19.0-20.0	830.1	30.4	324.8	1.45	15.47
20.0-21.0	823.3	31.6	356.5	1.51	16.97
21.0-22.0	816.6	32.8	389.3	1.56	18.53
22.0-23.0	810.4	34.0	423.3	1.62	20.15
23.0-24.0	803.7	35.1	458.4	1.67	21.83
24.0-25.0	796.1	36.2	494.6	1.72	23.55
25.0-26.0	787.4	37.2	531.8	1.77	25.32
26.0-27.0	779.1	38.1	569.9	1.81	27.13
27.0-28.0	770.4	39.0	608.9	1.86	28.99
28.0-29.0	760.6	39.8	648.7	1.89	30.89
29.0-30.0	751.2	40.6	689.3	1.93	32.82
30.0-31.0	741.0	41.2	730.5	1.96	34.78
31.0-32.0	729.6	41.8	772.3	1.99	36.77
32.0-33.0	718.3	42.3	814.7	2.01	38.79
33.0-34.0	706.5	42.8	857.4	2.04	40.82
34.0-35.0	693.1	43.0	900.5	2.05	42.87
35.0-36.0	679.7	43.3	943.8	2.06	44.93

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	665.6	43.4	987.2	2.07	47.00
37.0-38.0	650.3	43.4	1030.6	2.07	49.07
38.0-39.0	634.8	43.3	1073.9	2.06	51.13
39.0-40.0	618.9	43.2	1117.1	2.06	53.18
40.0-41.0	601.6	42.8	1159.9	2.04	55.22
41.0-42.0	583.3	42.4	1202.3	2.02	57.24
42.0-43.0	565.1	41.9	1244.2	1.99	59.23
43.0-44.0	546.3	41.2	1285.4	1.96	61.20
44.0-45.0	527.2	40.5	1326.0	1.93	63.13
45.0-46.0	507.8	39.7	1365.7	1.89	65.02
46.0-47.0	487.3	38.8	1404.4	1.85	66.86
47.0-48.0	466.7	37.7	1442.2	1.80	68.66
48.0-49.0	446.8	36.7	1478.9	1.75	70.41
49.0-50.0	427.1	35.6	1514.5	1.70	72.10
50.0-51.0	407.2	34.5	1548.9	1.64	73.74
51.0-52.0	387.5	33.3	1582.2	1.58	75.33
52.0-53.0	367.7	32.0	1614.2	1.52	76.85
53.0-54.0	348.9	30.8	1644.9	1.46	78.31
54.0-55.0	331.1	29.6	1674.5	1.41	79.72
55.0-56.0	314.1	28.4	1702.9	1.35	81.07
56.0-57.0	296.0	27.1	1730.0	1.29	82.36
57.0-58.0	278.7	25.8	1755.7	1.23	83.59
58.0-59.0	263.5	24.6	1780.4	1.17	84.76
59.0-60.0	247.7	23.4	1803.8	1.11	85.88
60.0-61.0	233.4	22.3	1826.0	1.06	86.94
61.0-62.0	219.7	21.2	1847.2	1.01	87.94
62.0-63.0	206.5	20.1	1867.3	0.96	88.90
63.0-64.0	194.4	19.1	1886.4	0.91	89.81
64.0-65.0	181.9	18.0	1904.4	0.86	90.67
65.0-66.0	169.9	17.0	1921.3	0.81	91.47
66.0-67.0	158.5	15.9	1937.3	0.76	92.23
67.0-68.0	147.8	15.0	1952.3	0.71	92.94
68.0-69.0	137.8	14.1	1966.3	0.67	93.61
69.0-70.0	127.7	13.1	1979.4	0.62	94.24
70.0-71.0	118.4	12.2	1991.7	0.58	94.82
71.0-72.0	109.4	11.4	2003.0	0.54	95.36

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	100.7	10.5	2013.6	0.50	95.86
73.0-74.0	91.5	9.6	2023.2	0.46	96.32
74.0-75.0	82.7	8.7	2031.9	0.42	96.74
75.0-76.0	74.8	7.9	2039.9	0.38	97.12
76.0-77.0	66.4	7.1	2047.0	0.34	97.45
77.0-78.0	58.1	6.2	2053.2	0.30	97.75
78.0-79.0	50.8	5.5	2058.6	0.26	98.01
79.0-80.0	43.7	4.7	2063.4	0.22	98.23
80.0-81.0	37.7	4.1	2067.4	0.19	98.43
81.0-82.0	32.0	3.5	2070.9	0.17	98.59
82.0-83.0	25.8	2.8	2073.7	0.13	98.73
83.0-84.0	20.2	2.2	2075.9	0.10	98.83
84.0-85.0	14.8	1.6	2077.5	0.08	98.91
85.0-86.0	9.8	1.1	2078.6	0.05	98.96
86.0-87.0	5.7	0.6	2079.2	0.03	98.99
87.0-88.0	3.3	0.4	2079.6	0.02	99.01
88.0-89.0	1.6	0.2	2079.7	0.01	99.01
89.0-90.0	0.4	0.0	2079.8	0.00	99.02
90.0-91.0	0.6	0.1	2079.9	0.00	99.02
91.0-92.0	1.2	0.1	2080.0	0.01	99.03
92.0-93.0	1.3	0.1	2080.1	0.01	99.03
93.0-94.0	0.9	0.1	2080.2	0.00	99.04
94.0-95.0	0.5	0.1	2080.3	0.00	99.04
95.0-96.0	0.8	0.1	2080.4	0.00	99.04
96.0-97.0	1.0	0.1	2080.5	0.01	99.05
97.0-98.0	1.1	0.1	2080.6	0.01	99.05
98.0-99.0	1.3	0.1	2080.7	0.01	99.06
99.0-100.0	1.3	0.1	2080.9	0.01	99.07
100.0-101.0	1.7	0.2	2081.1	0.01	99.08
101.0-102.0	1.5	0.2	2081.2	0.01	99.08
102.0-103.0	1.0	0.1	2081.3	0.01	99.09
103.0-104.0	1.5	0.2	2081.5	0.01	99.10
104.0-105.0	1.2	0.1	2081.6	0.01	99.10
105.0-106.0	1.0	0.1	2081.7	0.01	99.11
106.0-107.0	1.4	0.1	2081.9	0.01	99.12
107.0-108.0	1.0	0.1	2082.0	0.00	99.12

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	1.3	0.1	2082.1	0.01	99.13
109.0-110.0	1.2	0.1	2082.2	0.01	99.13
110.0-111.0	1.2	0.1	2082.4	0.01	99.14
111.0-112.0	1.7	0.2	2082.5	0.01	99.15
112.0-113.0	2.1	0.2	2082.7	0.01	99.16
113.0-114.0	2.4	0.2	2083.0	0.01	99.17
114.0-115.0	2.7	0.3	2083.3	0.01	99.18
115.0-116.0	2.5	0.2	2083.5	0.01	99.19
116.0-117.0	2.5	0.2	2083.7	0.01	99.20
117.0-118.0	2.9	0.3	2084.0	0.01	99.22
118.0-119.0	2.5	0.2	2084.3	0.01	99.23
119.0-120.0	2.2	0.2	2084.5	0.01	99.24
120.0-121.0	2.8	0.3	2084.7	0.01	99.25
121.0-122.0	3.3	0.3	2085.1	0.01	99.27
122.0-123.0	3.3	0.3	2085.4	0.01	99.28
123.0-124.0	3.0	0.3	2085.6	0.01	99.29
124.0-125.0	3.2	0.3	2085.9	0.01	99.31
125.0-126.0	2.8	0.3	2086.2	0.01	99.32
126.0-127.0	2.7	0.2	2086.4	0.01	99.33
127.0-128.0	3.4	0.3	2086.7	0.01	99.35
128.0-129.0	3.8	0.3	2087.0	0.02	99.36
129.0-130.0	3.9	0.3	2087.4	0.02	99.38
130.0-131.0	3.8	0.3	2087.7	0.01	99.39
131.0-132.0	3.7	0.3	2088.0	0.01	99.41
132.0-133.0	4.2	0.3	2088.3	0.02	99.42
133.0-134.0	4.3	0.3	2088.7	0.02	99.44
134.0-135.0	4.5	0.3	2089.0	0.02	99.45
135.0-136.0	5.2	0.4	2089.4	0.02	99.47
136.0-137.0	4.8	0.4	2089.8	0.02	99.49
137.0-138.0	5.3	0.4	2090.2	0.02	99.51
138.0-139.0	5.7	0.4	2090.6	0.02	99.53
139.0-140.0	5.5	0.4	2091.0	0.02	99.55
140.0-141.0	4.9	0.3	2091.3	0.02	99.56
141.0-142.0	4.3	0.3	2091.6	0.01	99.58
142.0-143.0	4.9	0.3	2091.9	0.02	99.59
143.0-144.0	5.4	0.4	2092.3	0.02	99.61

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	5.5	0.4	2092.6	0.02	99.63
145.0-146.0	5.6	0.3	2093.0	0.02	99.64
146.0-147.0	6.0	0.4	2093.3	0.02	99.66
147.0-148.0	5.9	0.3	2093.7	0.02	99.68
148.0-149.0	5.8	0.3	2094.0	0.02	99.69
149.0-150.0	5.8	0.3	2094.3	0.02	99.71
150.0-151.0	6.1	0.3	2094.7	0.02	99.72
151.0-152.0	7.1	0.4	2095.0	0.02	99.74
152.0-153.0	6.4	0.3	2095.4	0.02	99.76
153.0-154.0	6.2	0.3	2095.7	0.01	99.77
154.0-155.0	7.4	0.3	2096.0	0.02	99.79
155.0-156.0	7.8	0.4	2096.4	0.02	99.81
156.0-157.0	7.6	0.3	2096.7	0.02	99.82
157.0-158.0	7.1	0.3	2097.0	0.01	99.84
158.0-159.0	6.9	0.3	2097.3	0.01	99.85
159.0-160.0	6.8	0.3	2097.5	0.01	99.86
160.0-161.0	7.3	0.3	2097.8	0.01	99.87
161.0-162.0	7.2	0.2	2098.1	0.01	99.89
162.0-163.0	7.4	0.2	2098.3	0.01	99.90
163.0-164.0	8.1	0.3	2098.6	0.01	99.91
164.0-165.0	7.4	0.2	2098.8	0.01	99.92
165.0-166.0	7.1	0.2	2099.0	0.01	99.93
166.0-167.0	7.9	0.2	2099.2	0.01	99.94
167.0-168.0	8.2	0.2	2099.4	0.01	99.95
168.0-169.0	7.6	0.2	2099.5	0.01	99.96
169.0-170.0	7.6	0.2	2099.7	0.01	99.96
170.0-171.0	7.7	0.1	2099.8	0.01	99.97
171.0-172.0	8.1	0.1	2100.0	0.01	99.98
172.0-173.0	8.1	0.1	2100.1	0.01	99.98
173.0-174.0	7.8	0.1	2100.2	0.00	99.99
174.0-175.0	8.2	0.1	2100.3	0.00	99.99
175.0-176.0	8.4	0.1	2100.3	0.00	99.99
176.0-177.0	8.3	0.1	2100.4	0.00	100.00
177.0-178.0	8.6	0.0	2100.4	0.00	100.00
178.0-179.0	8.6	0.0	2100.4	0.00	100.00
179.0-180.0	8.3	0.0	2100.5	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	891.0	887.4	885.6	886.6	891.0	887.4	885.6	886.6	891.0	
G1.0	888.9	887.3	887.2	885.3	887.2	887.7	886.2	884.5	888.9	
G2.0	889.1	885.5	886.9	886.6	891.5	886.9	883.9	885.9	889.1	
G3.0	887.6	884.2	887.0	885.5	886.2	887.2	886.5	885.1	887.6	
G4.0	883.9	883.9	886.7	885.2	885.3	885.6	883.6	880.2	883.9	
G5.0	879.1	881.9	885.6	883.5	888.3	883.4	881.4	881.9	879.1	
G6.0	877.6	881.6	885.8	880.9	882.1	883.2	881.0	875.9	877.6	
G7.0	873.3	878.6	885.4	881.3	884.5	882.0	878.1	877.5	873.3	
G8.0	872.5	875.4	883.8	878.0	877.2	878.8	877.4	870.3	872.5	
G9.0	867.0	873.6	883.4	875.1	878.6	876.1	874.9	871.6	867.0	
G10.0	863.3	870.7	878.3	873.8	875.8	876.4	876.8	868.2	863.3	
G11.0	858.0	867.2	880.7	873.1	870.7	872.4	870.9	860.6	858.0	
G12.0	851.5	864.2	873.7	867.3	862.4	866.3	868.8	861.5	851.5	
G13.0	845.5	861.6	872.5	867.0	858.5	867.7	866.6	855.6	845.5	
G14.0	839.0	856.3	869.6	863.5	857.3	863.5	868.1	846.9	839.0	
G15.0	832.0	853.0	868.3	859.0	847.8	855.5	860.5	842.7	832.0	
G16.0	823.7	847.2	870.4	850.4	845.7	855.4	862.2	841.0	823.7	
G17.0	816.6	842.1	866.8	846.8	839.7	851.7	859.3	835.5	816.6	
G18.0	808.2	836.2	860.0	846.3	829.1	846.2	851.6	828.5	808.2	
G19.0	799.6	831.5	861.4	837.0	821.3	841.7	852.7	822.7	799.6	
G20.0	788.2	826.3	854.1	836.1	816.4	832.2	847.7	813.5	788.2	
G21.0	779.5	819.5	850.2	829.8	808.6	826.9	839.2	805.5	779.5	
G22.0	767.2	811.8	850.4	819.4	797.6	825.2	836.0	799.5	767.2	
G23.0	754.9	805.7	847.3	817.7	791.3	814.5	835.9	792.2	754.9	
G24.0	745.3	798.6	842.9	809.9	779.2	807.6	831.5	783.9	745.3	
G25.0	733.9	791.3	838.2	803.6	770.1	800.8	825.2	775.1	733.9	
G26.0	718.5	782.0	830.9	796.2	758.6	793.4	815.4	765.8	718.5	
G27.0	704.7	774.5	827.3	787.6	748.8	790.3	813.8	757.5	704.7	
G28.0	691.1	765.8	822.0	776.6	737.7	778.0	803.2	747.3	691.1	
G29.0	679.7	756.9	815.0	770.1	724.8	768.6	796.9	736.8	679.7	
G30.0	666.3	746.5	807.8	759.0	711.0	762.8	792.5	724.3	666.3	
G31.0	647.7	735.5	801.3	750.5	698.6	753.8	784.5	713.3	647.7	
G32.0	631.8	725.4	793.1	739.3	685.3	740.8	771.4	700.9	631.8	
G33.0	618.8	716.0	783.9	730.0	670.0	732.3	764.7	689.3	618.8	
G34.0	598.3	703.2	775.0	717.7	655.1	721.4	750.6	677.2	598.3	
G35.0	580.4	692.2	764.0	706.5	635.0	707.3	742.0	663.4	580.4	
G36.0	563.1	679.3	750.7	695.0	620.1	694.3	729.5	653.0	563.1	

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:

## 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	548.1	663.0	740.6	679.8	598.0	682.4	712.7	639.6	548.1	
G38.0	525.2	651.8	728.2	665.3	582.8	668.3	697.5	621.0	525.2	
G39.0	505.5	635.2	710.8	653.1	564.1	653.2	684.4	610.0	505.5	
G40.0	489.1	622.9	695.5	639.2	539.9	638.0	668.9	592.2	489.1	
G41.0	469.9	603.5	682.7	620.2	523.8	620.8	648.7	571.1	469.9	
G42.0	445.7	590.1	661.9	602.8	503.6	603.1	630.3	554.0	445.7	
G43.0	425.4	572.5	643.4	588.4	483.2	587.3	613.9	536.2	425.4	
G44.0	404.8	550.2	625.2	565.7	463.3	569.7	595.5	516.9	404.8	
G45.0	385.1	535.2	604.6	550.2	441.4	551.1	575.4	501.7	385.1	
G46.0	364.8	515.8	588.7	529.5	417.0	527.6	554.5	483.0	364.8	
G47.0	345.6	496.2	563.6	509.3	400.6	510.7	531.0	458.5	345.6	
G48.0	330.5	471.7	547.0	484.0	381.1	486.9	511.2	438.9	330.5	
G49.0	313.2	452.1	526.7	462.9	362.0	464.6	492.6	423.1	313.2	
G50.0	296.5	431.0	504.2	445.9	339.0	444.2	471.9	403.3	296.5	
G51.0	280.7	415.0	479.6	424.3	325.2	422.9	448.7	383.1	280.7	
G52.0	265.3	390.5	461.8	398.5	305.3	402.9	431.6	363.9	265.3	
G53.0	250.9	370.6	436.4	381.6	292.5	382.7	408.6	340.1	250.9	
G54.0	236.8	355.3	415.8	360.9	274.6	362.1	388.9	325.3	236.8	
G55.0	221.0	332.2	400.9	335.7	262.2	346.3	372.4	307.2	221.0	
G56.0	211.0	317.3	380.3	320.3	247.9	327.4	354.2	289.8	211.0	
G57.0	196.9	295.3	357.6	296.6	231.7	304.2	336.8	268.4	196.9	
G58.0	187.7	278.0	342.9	283.1	218.5	285.9	319.5	256.9	187.7	
G59.0	175.4	261.0	324.8	261.5	207.5	271.8	300.0	240.8	175.4	
G60.0	167.0	248.0	307.2	245.6	193.8	251.8	284.7	222.5	167.0	
G61.0	155.0	229.7	288.1	233.9	183.0	238.9	272.8	212.6	155.0	
G62.0	146.9	215.5	273.0	219.0	171.7	223.5	254.9	196.0	146.9	
G63.0	137.9	203.7	257.4	204.4	162.0	206.2	244.4	187.1	137.9	
G64.0	129.7	190.4	243.9	191.0	151.3	195.5	231.2	174.9	129.7	
G65.0	121.3	177.3	232.2	177.9	140.6	179.9	214.0	159.3	121.3	
G66.0	113.0	165.2	216.8	165.7	131.6	169.5	200.5	153.1	113.0	
G67.0	104.7	152.6	205.9	150.7	122.2	156.0	188.7	139.2	104.7	
G68.0	96.3	142.3	193.6	143.7	113.0	144.7	178.3	133.5	96.3	
G69.0	88.8	131.7	181.1	133.0	102.5	134.4	167.0	120.5	88.8	
G70.0	79.5	122.8	168.9	122.8	93.9	124.6	160.6	111.4	79.5	
G71.0	73.8	113.1	157.9	109.6	85.0	114.4	150.4	105.9	73.8	
G72.0	67.0	104.0	147.3	103.1	79.6	105.9	136.1	97.2	67.0	
G73.0	60.2	96.0	137.6	93.7	72.0	95.5	130.5	85.0	60.2	

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 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	50.6	85.9	127.7	81.1	65.0	86.4	121.0	76.2	50.6	
G75.0	47.1	78.7	116.5	74.7	55.3	79.2	107.4	70.5	47.1	
G76.0	37.2	67.8	107.2	65.9	53.7	70.5	102.8	62.6	37.2	
G77.0	35.0	61.3	99.1	54.2	42.7	58.6	93.8	50.5	35.0	
G78.0	30.4	52.9	90.6	49.5	36.7	49.9	81.3	43.2	30.4	
G79.0	26.8	42.3	81.2	42.3	34.9	41.7	73.0	35.8	26.8	
G80.0	23.2	36.8	72.5	32.3	26.0	34.5	66.5	29.3	23.2	
G81.0	19.8	29.6	64.7	28.7	26.5	31.4	58.1	23.3	19.8	
G82.0	16.5	23.3	55.0	24.7	18.9	20.9	47.6	22.2	16.5	
G83.0	13.4	20.0	46.1	15.8	19.9	15.6	38.8	14.8	13.4	
G84.0	4.7	12.7	38.1	12.1	12.5	16.1	30.6	11.2	4.7	
G85.0	1.5	7.7	27.5	13.9	13.8	8.2	17.5	7.9	1.5	
G86.0	0.0	8.2	16.0	7.0	6.5	5.0	7.9	8.4	0.0	
G87.0	0.0	5.1	6.3	4.1	8.1	6.4	1.4	1.6	0.0	
G88.0	0.9	2.0	3.4	5.2	4.7	3.5	0.0	0.0	0.9	
G89.0	0.0	1.1	0.0	0.0	0.0	1.3	0.0	2.7	0.0	
G90.0	0.0	0.0	0.0	0.0	1.2	0.0	0.6	0.0	0.0	
G91.0	0.4	0.0	2.1	0.0	1.1	0.0	0.8	2.8	0.4	
G92.0	0.5	1.4	3.2	0.0	1.1	2.3	1.0	2.3	0.5	
G93.0	0.3	0.0	0.0	2.8	0.0	2.2	0.4	2.8	0.3	
G94.0	0.2	0.0	0.0	2.7	0.0	0.0	0.2	2.7	0.2	
G95.0	0.0	0.0	0.0	0.0	0.0	1.9	0.3	0.0	0.0	
G96.0	0.0	0.0	2.7	3.1	1.3	0.0	0.2	3.0	0.0	
G97.0	0.0	1.7	3.0	0.0	0.0	1.7	0.1	0.0	0.0	
G98.0	0.0	1.8	3.1	0.0	0.0	1.4	2.3	3.1	0.0	
G99.0	0.0	1.9	3.3	3.2	0.0	1.5	0.0	0.0	0.0	
G100.0	0.0	1.9	2.0	0.0	0.0	1.4	2.7	3.2	0.0	
G101.0	0.3	2.0	3.4	3.2	0.0	1.0	2.8	3.3	0.3	
G102.0	0.3	1.9	0.0	3.1	1.5	1.2	0.0	0.0	0.3	
G103.0	0.0	0.0	0.0	0.0	0.0	1.5	3.1	3.4	0.0	
G104.0	1.0	0.0	4.0	3.3	0.0	1.0	3.3	3.5	1.0	
G105.0	0.0	0.0	0.0	0.0	1.6	2.1	0.0	0.0	0.0	
G106.0	0.0	0.0	4.1	3.2	0.0	2.0	3.7	0.0	0.0	
G107.0	0.0	2.4	0.0	0.1	1.6	0.6	0.5	3.6	0.0	
G108.0	0.0	0.0	0.0	0.3	1.8	0.9	4.0	0.0	0.0	
G109.0	0.0	2.6	0.0	0.5	1.8	0.8	4.1	3.9	0.0	
G110.0	0.0	0.1	3.0	0.6	0.0	0.8	0.3	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	2.6	0.3	4.4	1.0	0.0	0.8	4.4	0.0	2.6	
G112.0	2.7	0.0	4.5	2.9	0.0	3.4	0.5	0.1	2.7	
G113.0	2.9	0.0	4.5	2.8	0.0	0.8	4.5	4.2	2.9	
G114.0	3.0	3.0	4.5	2.8	0.0	0.7	4.9	0.4	3.0	
G115.0	3.1	0.0	4.6	2.1	0.0	4.0	5.9	4.2	3.1	
G116.0	3.0	2.9	4.6	2.6	0.0	1.0	1.0	0.7	3.0	
G117.0	3.2	0.0	4.7	2.5	2.2	4.8	5.4	0.9	3.2	
G118.0	0.0	3.3	2.1	3.3	0.0	4.4	5.5	4.5	0.0	
G119.0	0.0	0.2	2.9	3.4	2.3	4.6	1.4	1.3	0.0	
G120.0	0.0	0.4	2.7	3.8	0.0	4.8	5.9	1.5	0.0	
G121.0	3.3	0.6	4.7	2.5	2.4	1.4	5.8	4.8	3.3	
G122.0	0.4	3.7	3.1	4.3	2.5	5.0	6.2	1.9	0.4	
G123.0	0.8	3.8	3.5	3.0	0.1	5.4	6.4	2.0	0.8	
G124.0	1.0	1.0	3.9	0.9	2.5	5.4	6.4	2.3	1.0	
G125.0	1.4	4.1	4.2	3.8	0.6	1.7	6.6	4.8	1.4	
G126.0	1.8	1.4	4.4	0.9	0.8	1.8	2.3	4.8	1.8	
G127.0	2.8	1.3	4.7	4.3	1.0	1.9	6.7	3.1	2.8	
G128.0	2.9	1.6	4.6	4.5	2.7	6.0	2.6	3.4	2.9	
G129.0	2.9	4.6	5.4	4.8	2.7	6.1	2.6	3.7	2.9	
G130.0	2.7	1.9	4.4	1.0	1.8	6.3	7.1	4.0	2.7	
G131.0	2.7	2.1	4.8	1.0	2.1	6.7	7.3	4.1	2.7	
G132.0	4.0	5.0	4.6	1.1	2.7	2.5	3.3	4.7	4.0	
G133.0	4.4	5.2	6.6	1.2	2.7	6.5	7.5	5.4	4.4	
G134.0	2.5	2.4	4.5	1.1	2.9	2.8	7.5	5.1	2.5	
G135.0	5.2	5.5	6.9	5.8	2.7	3.7	7.6	5.0	5.2	
G136.0	5.4	5.6	4.5	6.0	2.7	7.0	4.0	5.8	5.4	
G137.0	5.7	5.7	4.8	1.8	2.8	7.1	4.0	4.6	5.7	
G138.0	6.0	2.9	7.8	6.2	3.8	7.3	7.8	6.3	6.0	
G139.0	6.3	3.0	4.7	6.3	4.1	7.6	4.6	6.4	6.3	
G140.0	2.4	6.1	3.2	6.3	4.3	7.6	7.9	6.9	2.4	
G141.0	2.3	3.0	3.3	6.4	4.6	3.7	5.3	4.6	2.3	
G142.0	2.5	6.4	7.2	2.6	4.6	4.0	3.7	4.5	2.5	
G143.0	7.1	3.4	7.1	2.8	2.8	7.7	3.9	7.7	7.1	
G144.0	7.0	3.3	7.5	7.7	5.3	4.2	4.1	4.6	7.0	
G145.0	2.9	3.6	9.1	6.4	2.7	7.9	4.0	8.1	2.9	
G146.0	3.1	3.7	8.4	3.5	5.8	8.0	4.4	8.3	3.1	
G147.0	3.3	3.8	7.9	7.8	6.0	4.9	8.1	8.4	3.3	

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 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	3.4	5.3	8.1	5.4	5.9	5.0	6.0	5.0	3.4	
G149.0	7.5	4.0	8.1	6.1	3.0	7.8	8.4	4.5	7.5	
G150.0	3.8	4.0	5.3	5.9	3.0	8.0	5.1	9.0	3.8	
G151.0	5.4	9.4	9.8	7.5	3.1	8.1	6.7	3.5	5.4	
G152.0	8.9	9.0	9.9	7.4	6.9	8.5	6.7	3.6	8.9	
G153.0	5.9	5.6	4.1	7.5	3.2	6.1	5.6	3.7	5.9	
G154.0	8.8	5.7	4.0	7.1	7.2	8.0	6.7	9.6	8.8	
G155.0	8.7	9.6	4.3	7.3	7.3	8.0	5.9	9.6	8.7	
G156.0	6.7	9.8	10.1	7.1	7.5	7.1	6.7	9.4	6.7	
G157.0	8.5	9.7	10.2	7.1	3.5	7.8	6.7	4.1	8.5	
G158.0	8.6	10.0	4.6	6.7	7.8	7.3	6.7	4.2	8.6	
G159.0	7.3	5.9	4.7	8.4	3.7	7.8	6.6	9.9	7.3	
G160.0	8.9	6.2	4.8	8.5	3.8	7.8	6.4	8.5	8.9	
G161.0	8.4	8.9	8.8	8.8	8.1	8.1	6.8	4.7	8.4	
G162.0	7.9	8.8	5.1	7.0	3.7	6.9	6.5	6.2	7.9	
G163.0	8.2	9.0	8.9	9.1	8.4	6.0	6.8	9.7	8.2	
G164.0	8.2	9.1	8.9	6.7	8.4	5.9	6.9	8.5	8.2	
G165.0	8.7	9.0	5.2	9.5	4.0	7.4	6.9	5.2	8.7	
G166.0	8.2	4.9	5.3	9.6	5.4	9.2	7.1	8.2	8.2	
G167.0	8.1	10.8	9.0	9.8	8.8	7.1	8.5	6.9	8.1	
G168.0	8.2	10.8	10.3	6.9	4.5	7.2	8.5	5.6	8.2	
G169.0	9.1	9.5	6.9	10.4	4.6	5.5	8.6	5.8	9.1	
G170.0	8.1	9.5	9.1	10.2	4.7	5.4	8.6	5.9	8.1	
G171.0	9.0	9.6	8.9	10.2	4.8	5.3	8.6	6.1	9.0	
G172.0	9.3	5.2	9.2	10.6	9.3	9.1	9.0	6.3	9.3	
G173.0	8.1	9.5	9.2	6.9	5.0	5.2	8.9	8.1	8.1	
G174.0	8.0	9.7	9.1	6.9	5.1	9.3	8.9	6.5	8.0	
G175.0	8.1	5.3	9.3	10.5	9.5	9.3	8.3	8.0	8.1	
G176.0	9.6	5.2	9.4	10.4	5.3	9.3	9.4	6.8	9.6	
G177.0	8.3	9.6	9.4	7.1	9.6	6.6	9.5	7.8	8.3	
G178.0	9.5	5.4	9.3	10.5	5.2	9.6	9.6	10.0	9.5	
G179.0	8.9	9.3	5.7	9.8	9.8	5.4	10.1	8.9	8.9	
G180.0	7.2	8.6	5.6	9.9	9.7	8.2	7.4	8.2	7.2	

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: