

Report No.:

Test Time: 2021-03-22 17:22

## Luminaire Property

Luminaire Manufacturer:

Luminaire Description: MLS033W12V30KDC Voltage: 12.3 V

Current: 0.257 A

Power: 2.90 W

Power Factor: 0.935

Volt Amps: 3.10 VA

## Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 329.8 lm

Measurement Flux: 329.8 lm

Efficiency: 100%

Downward Ratio: 98%

Upward Ratio: 2%

Horizontal Diffuse Angle(10%,50%,75%,100%): H170.2,H112,H84.6,H1

Vertical Diffuse Angle(10%,50%,75%,100%): V164.8,V119.4,V91.2,V22

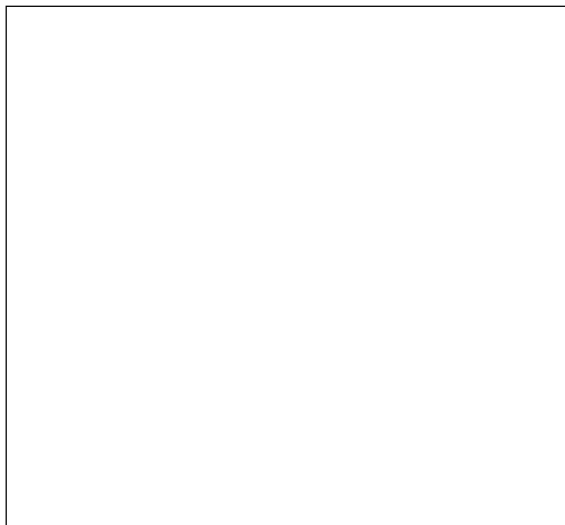
Luminaire Efficacy Rating (LER): 114

Central Intensity: 110.17 cd

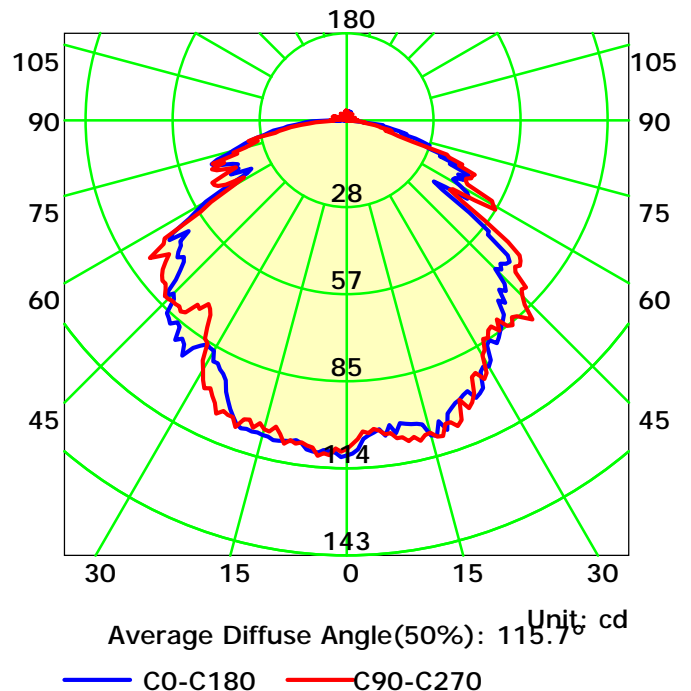
Max. Intensity: 112.2 cd

Pos of Max. Intensity: H225 V5

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

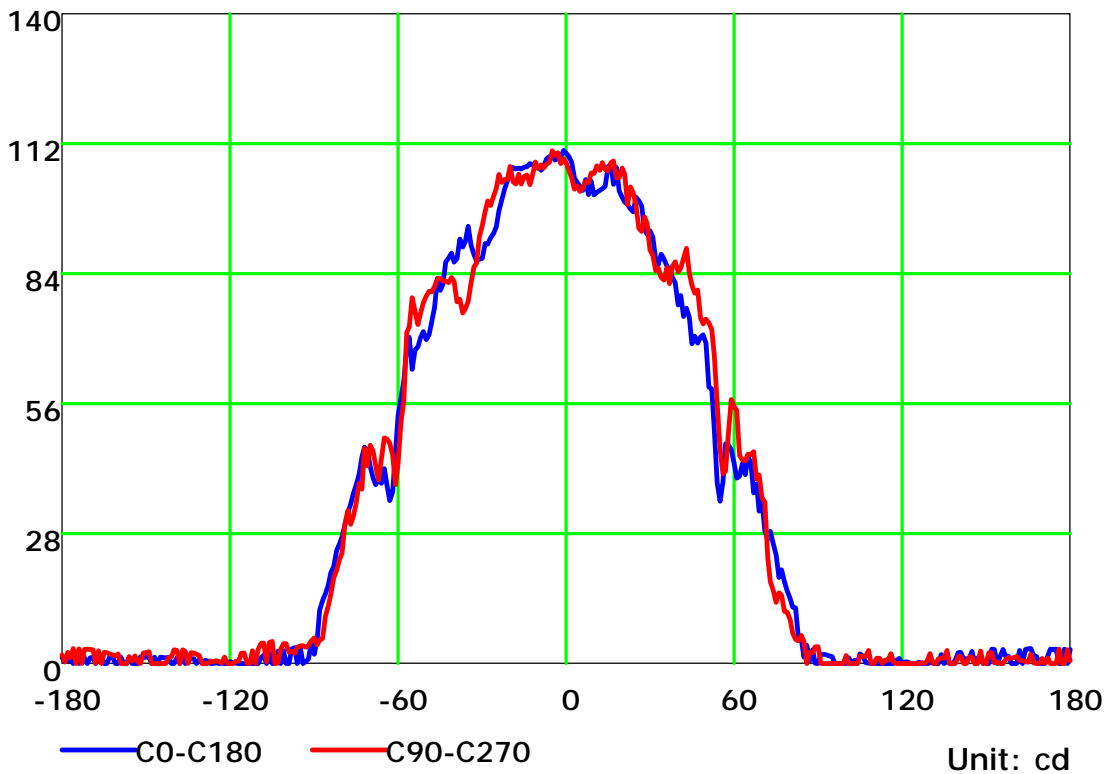
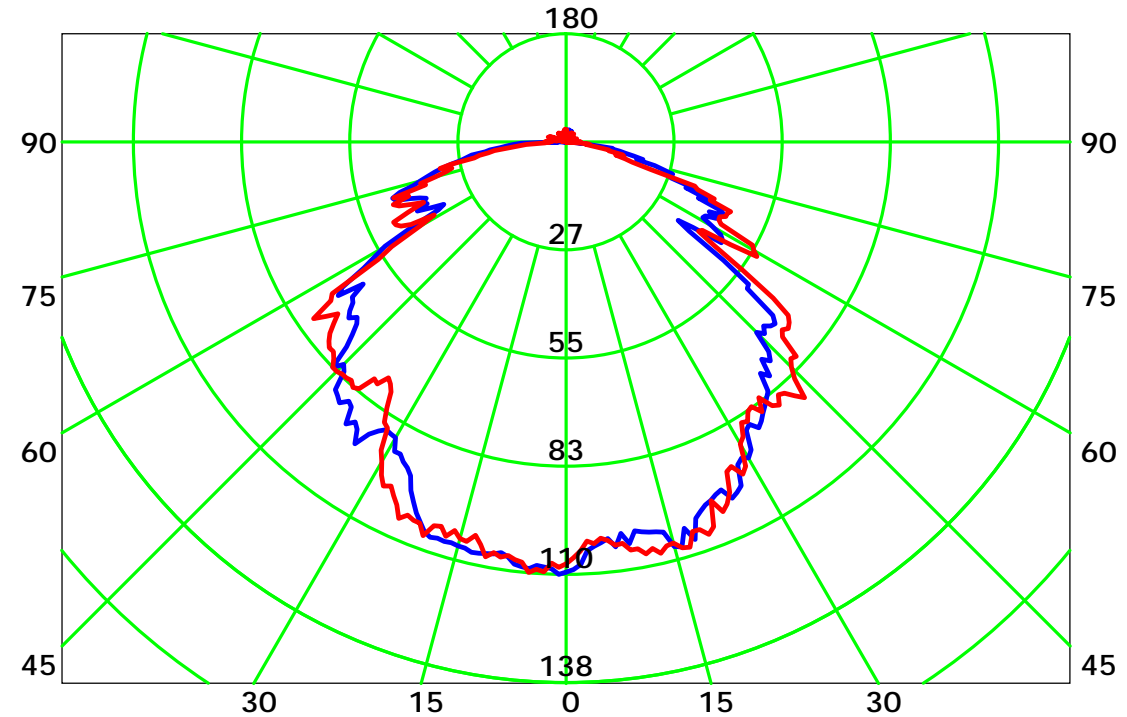
Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

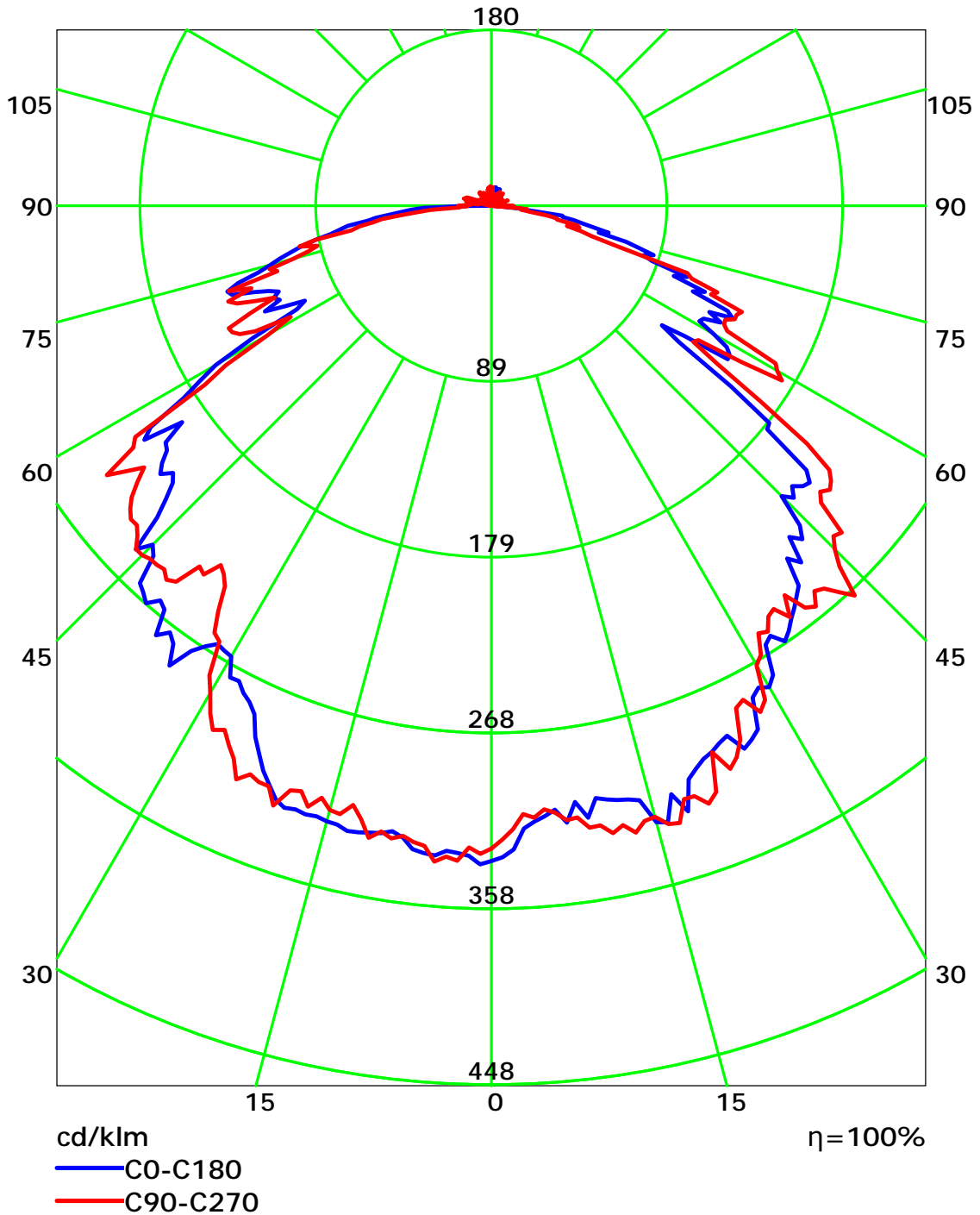
## Luminous Intensity Distribution Curve



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)



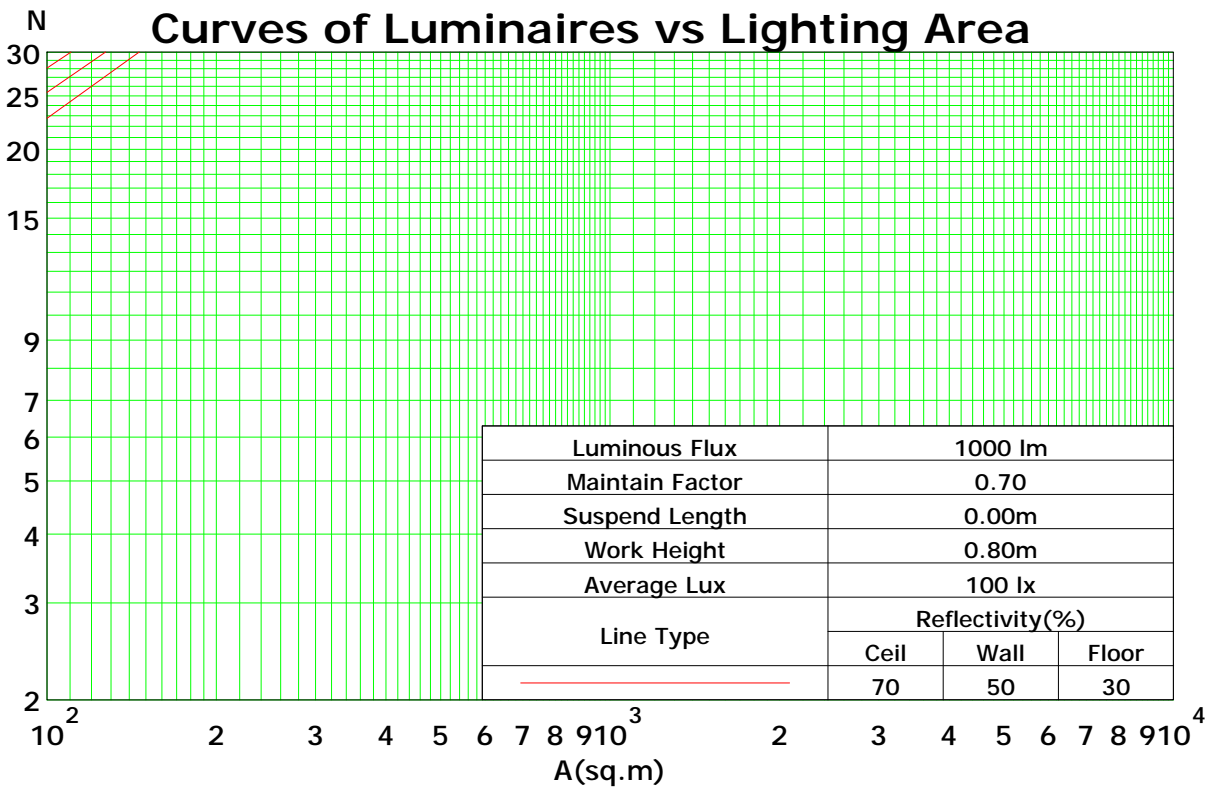
C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

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	100	100	100	98
1	108	103	98	94	105	100	96	93	96	93	89	92	89	86	88	85	83	81
2	98	89	82	77	95	87	81	76	84	78	73	80	75	72	77	73	70	67
3	89	78	70	64	86	77	69	63	73	67	61	70	65	60	68	63	59	57
4	82	69	60	54	79	68	60	53	65	58	52	63	56	51	60	55	50	48
5	75	62	53	46	73	61	52	46	58	51	45	56	50	44	54	48	44	42
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	49	43	38	36
7	64	50	42	35	62	50	41	35	48	40	35	46	39	34	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	42	36	31	41	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	38	32	27	26
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	35	29	25	23

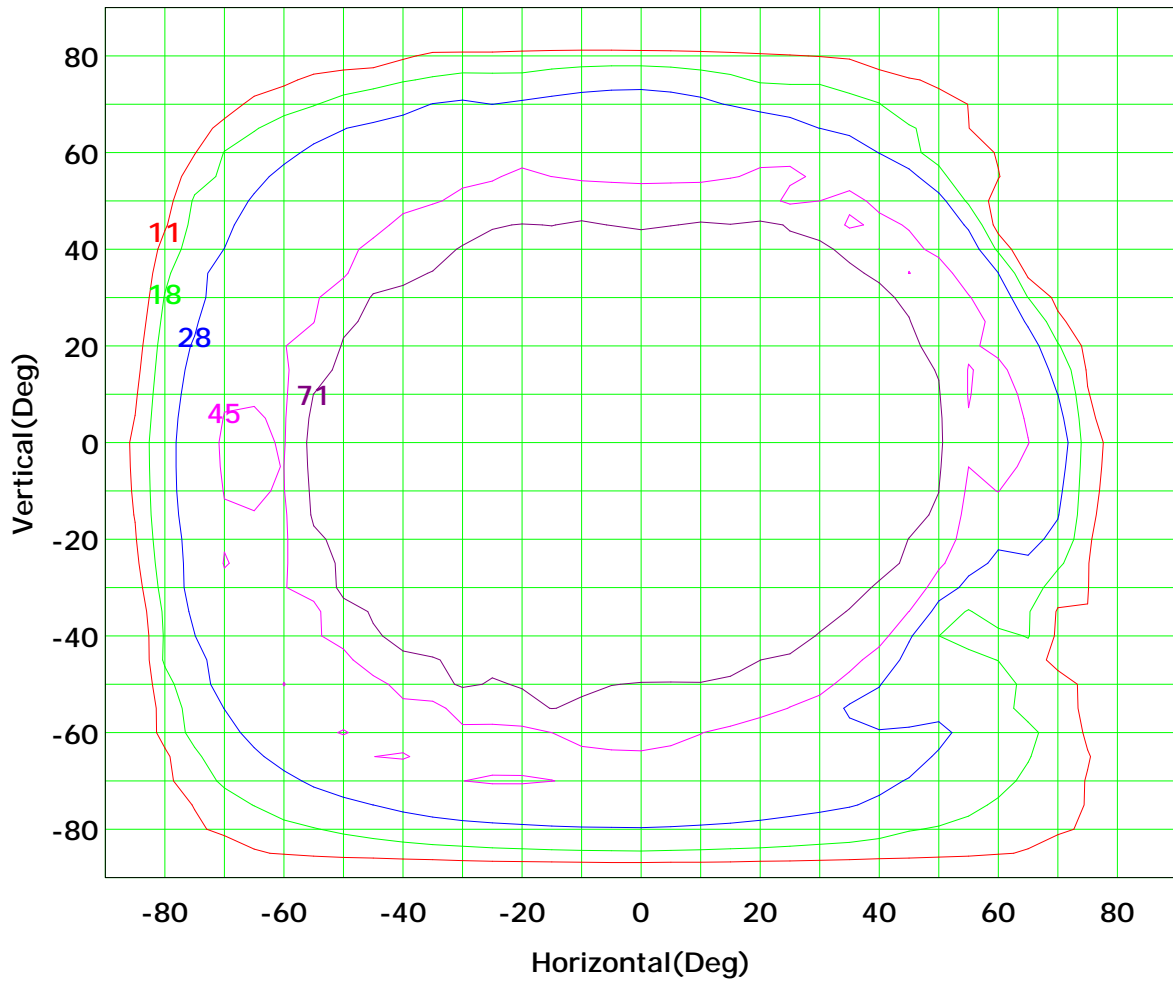
Spacing Criteria (0-180): 1.22  
 Spacing Criteria (90-270): 1.23  
 Spacing Criteria (Diagonal): 1.43



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)



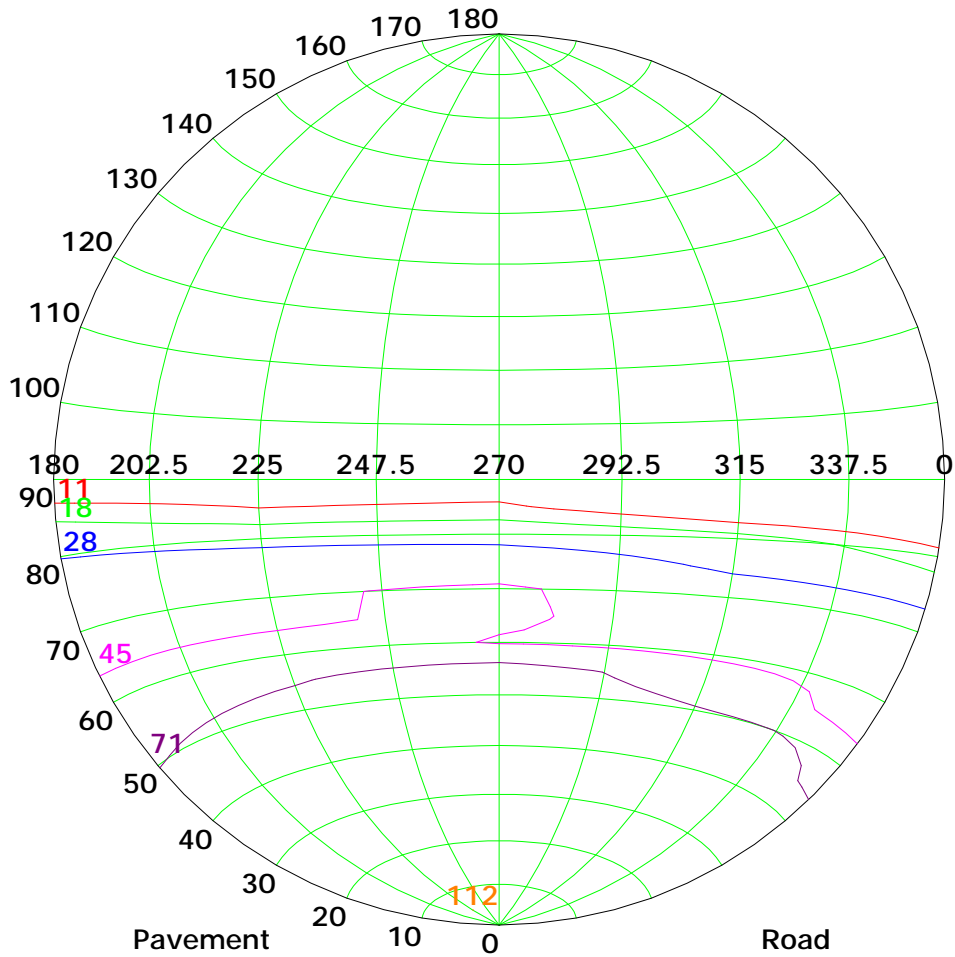
Imax (100%): 112 cd

— ( 10%):	11 cd	— ( 16%):	18 cd
— ( 25%):	28 cd	— ( 40%):	45 cd
— ( 63%):	71 cd	— (100%):	112 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)



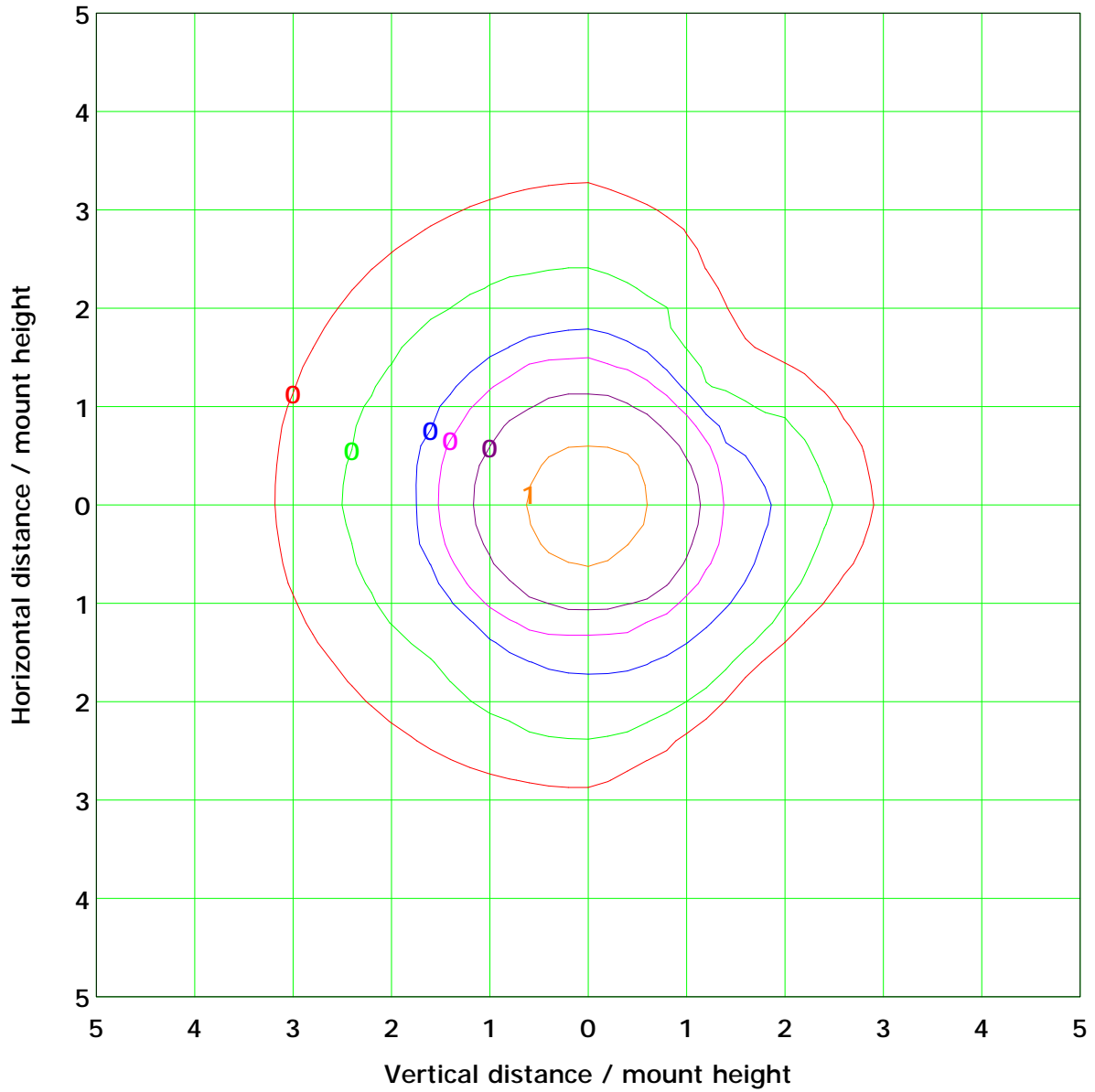
Imax (100%): 112 cd

— ( 10%):	11 cd	— ( 16%):	18 cd
— ( 25%):	28 cd	— ( 40%):	45 cd
— ( 63%):	71 cd	— (100%):	112 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%): 1.1 lx

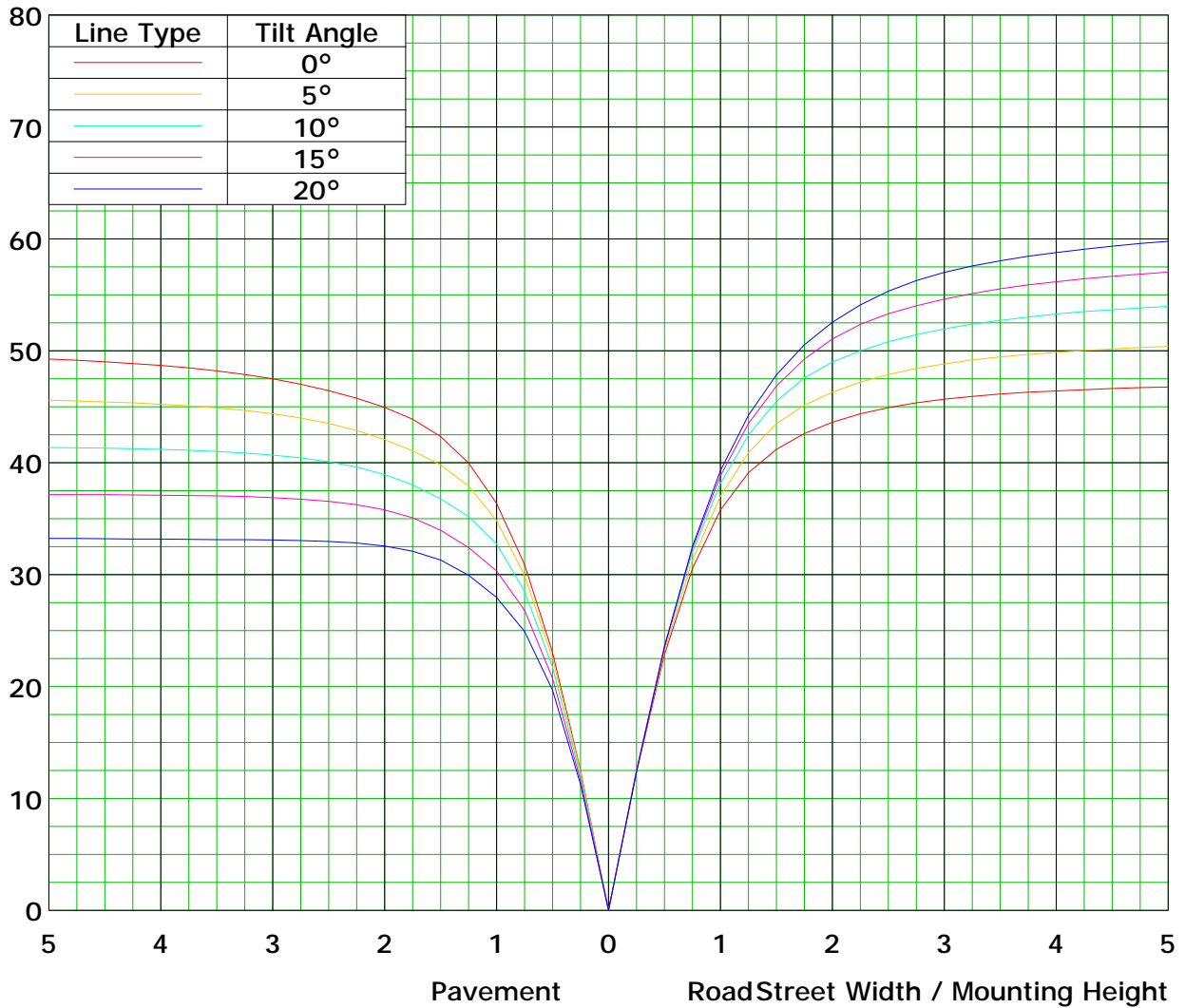
( 1%): 0.0 lx	( 2%): 0.0 lx
( 5%): 0.1 lx	( 10%): 0.1 lx
( 20%): 0.2 lx	( 50%): 0.6 lx
(100%): 1.1 lx	

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:

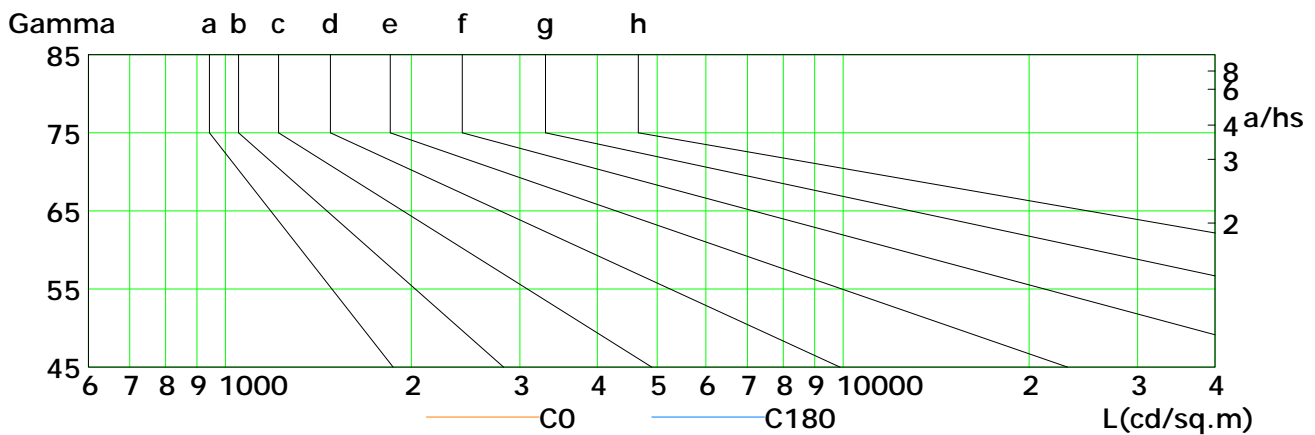
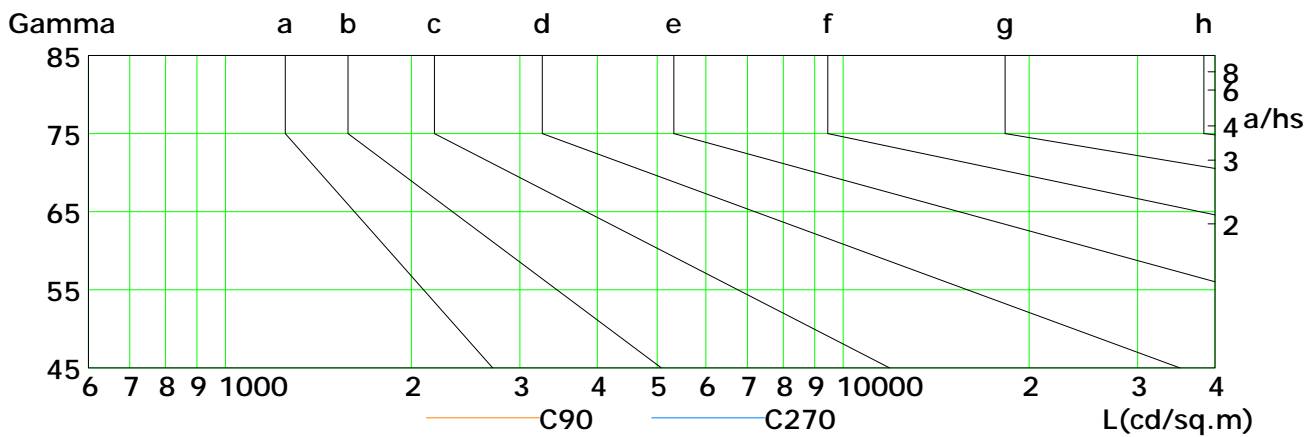
Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:



### 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

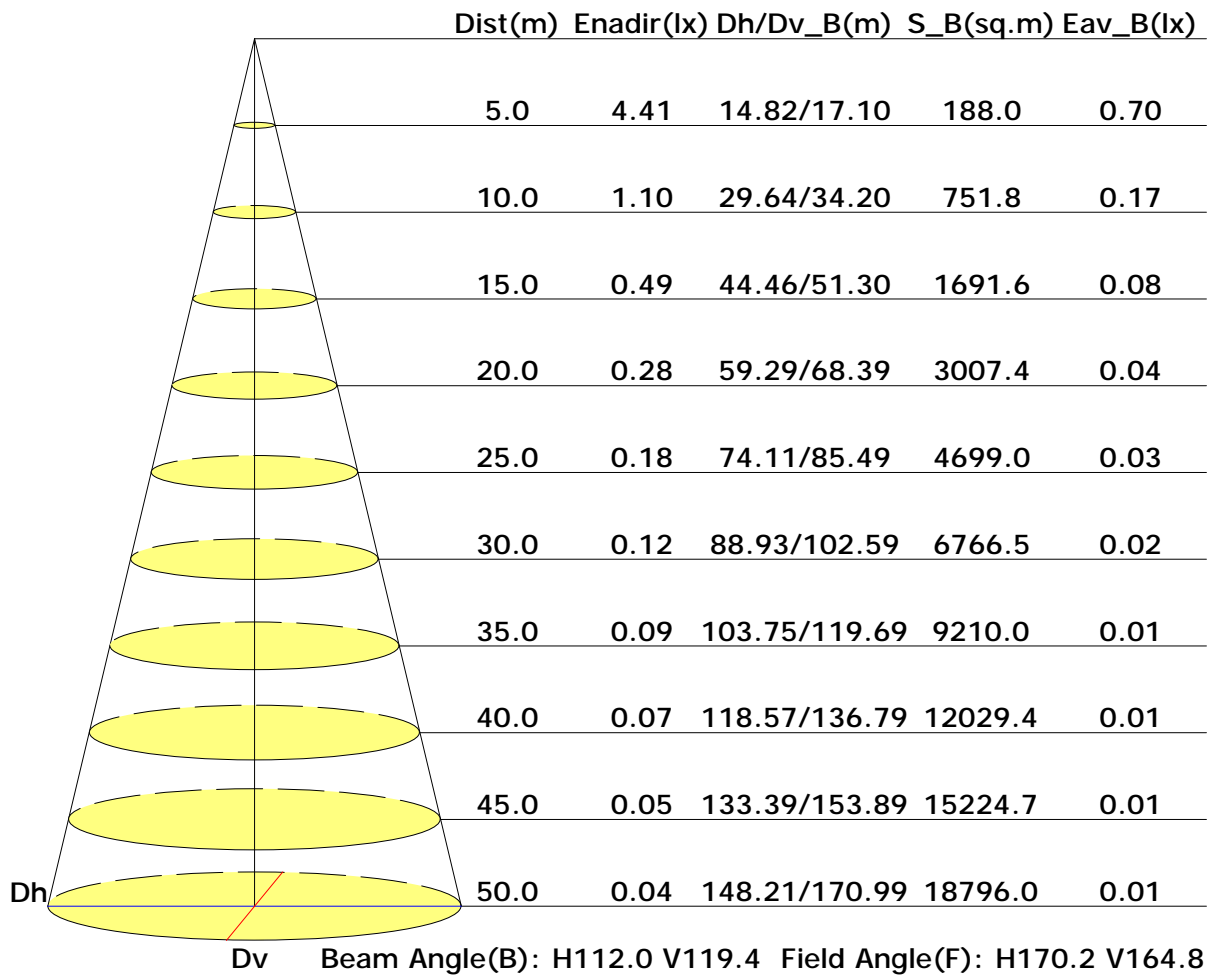


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	69	69	35	43	45	35	24	14	1
C90	82	74	46	56	45	36	13	9	5
C180	81	70	64	54	42	43	39	27	17
C270	83	79	79	43	49	47	35	24	12

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:

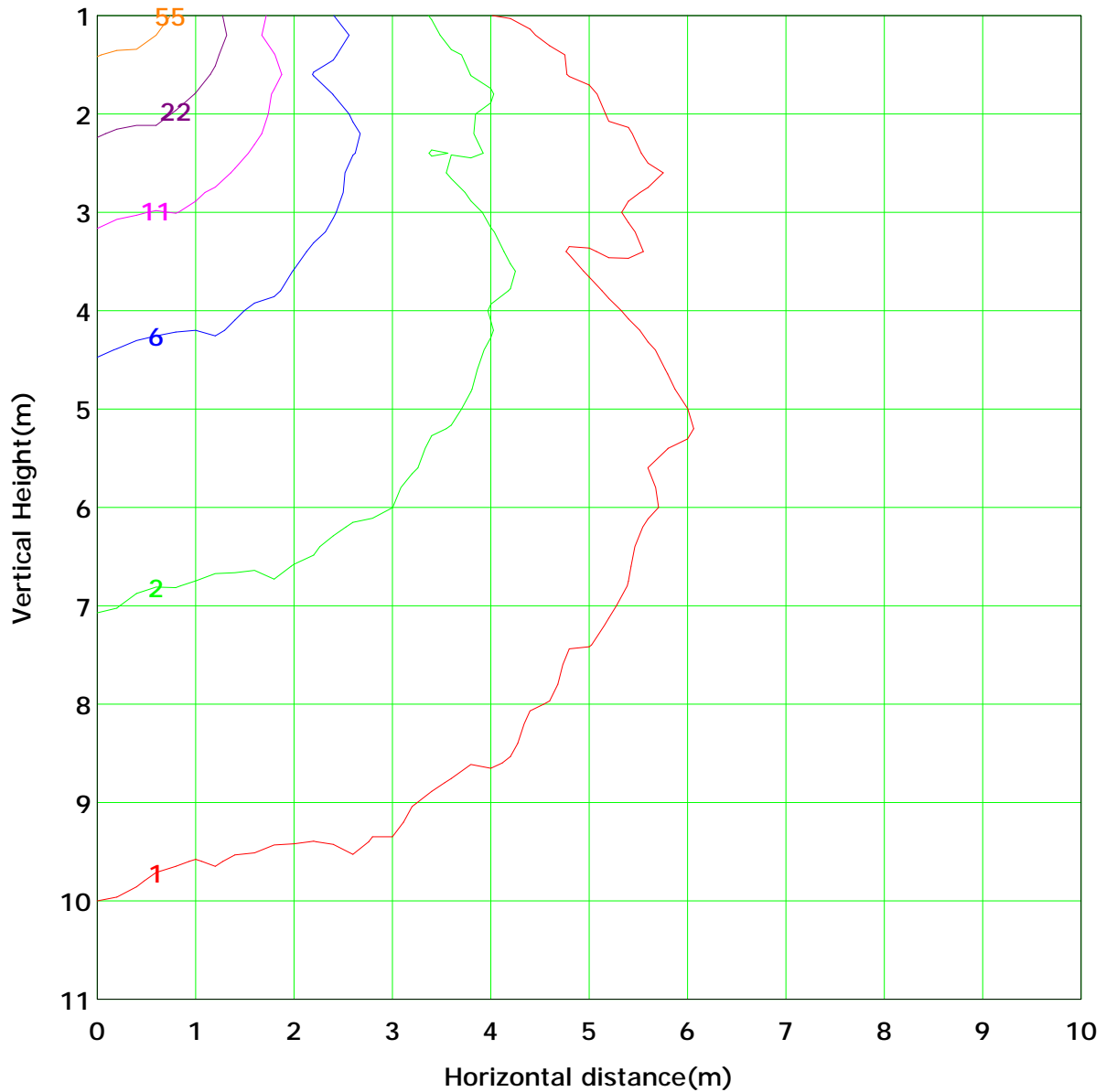
## Illuminance at a Distance



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: 110.2 lx
( 1%): 1.1 lx	( 2%): 2.2 lx	
( 5%): 5.5 lx	( 10%): 11.0 lx	
( 20%): 22.0 lx	( 50%): 55.1 lx	
(100%): 110.2 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:

## Area Flux Table

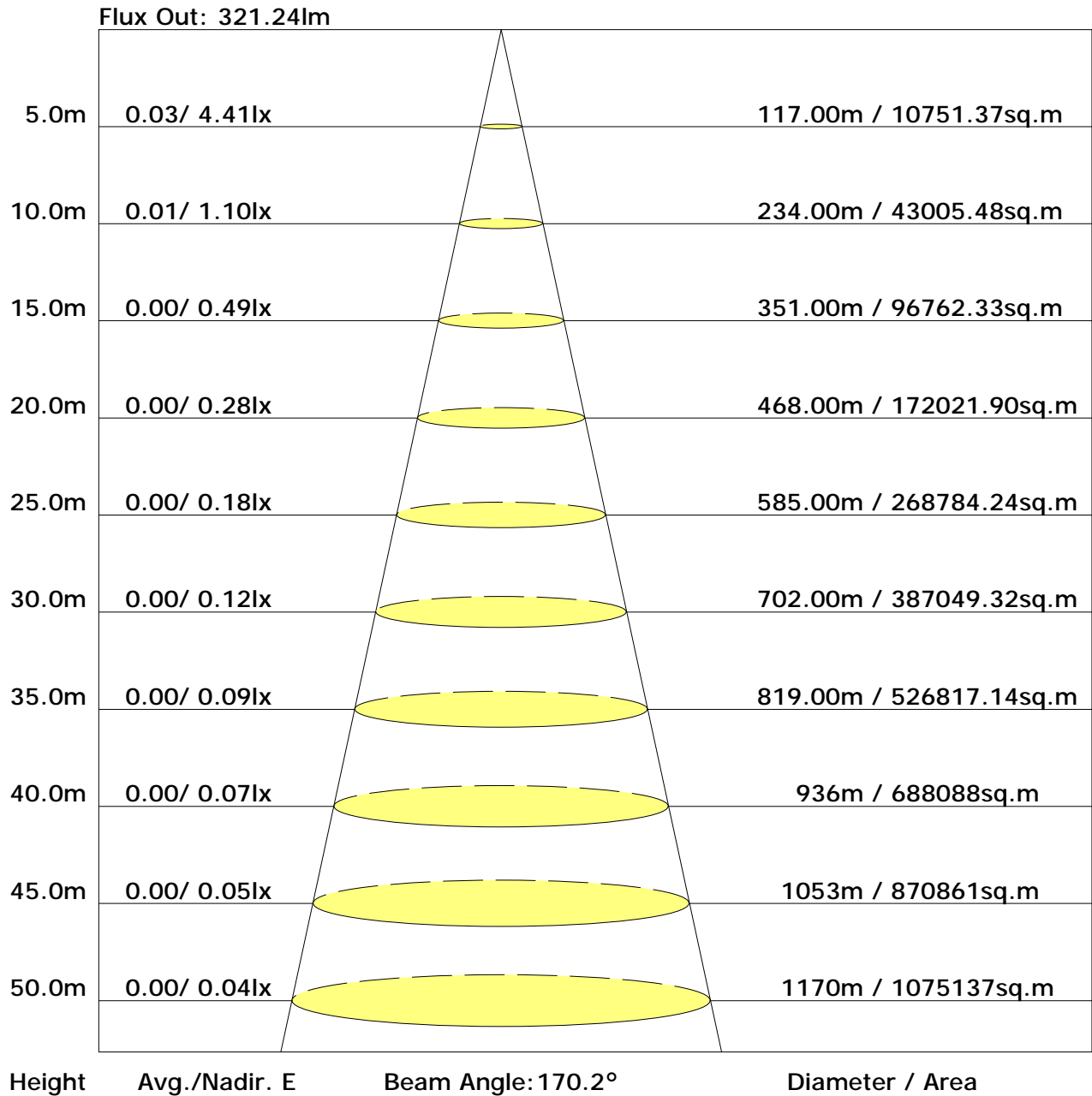
Unit: lx

Vertical plane	-90.0	-80.0	-70.0	-60.0	-50.0	-40.0	-30.0	-20.0	-10.0	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	ΦE	ΦT	
-90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.7	0.6
-80.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.0	3.5	3.4
-70.0	0.1	0.2	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.2	0.1	0.1	0.1	6.7	6.5
-60.0	0.1	0.4	0.6	0.8	0.7	0.8	1.0	1.1	1.2	1.1	1.0	0.8	0.5	0.4	0.4	0.4	0.3	0.2	0.2	0.1	11.6	11.3
-50.0	0.2	0.5	0.9	0.9	1.2	1.5	1.6	1.7	1.7	1.7	1.6	1.5	1.1	0.6	0.4	0.4	0.3	0.2	0.1	17.8	17.4	
-40.0	0.2	0.7	1.1	1.2	1.8	2.1	2.2	2.2	2.2	2.2	2.2	2.0	1.8	1.1	0.5	0.5	0.5	0.2	0.1	24.3	23.9	
-30.0	0.3	0.9	1.2	1.6	2.2	2.4	2.4	2.6	2.6	2.7	2.6	2.5	2.2	1.8	0.9	0.7	0.3	0.1	30.1	29.8		
-20.0	0.3	1.0	1.3	1.9	2.4	2.5	2.8	3.0	3.1	3.1	3.0	2.8	2.5	2.2	1.3	1.0	0.4	0.1	35.0	34.7		
-10.0	0.4	1.1	1.3	2.1	2.5	2.5	3.1	3.2	3.3	3.2	3.2	3.0	2.6	2.4	1.6	1.2	0.5	0.1	37.4	37.2		
0.0	0.4	1.1	1.3	2.0	2.5	2.5	3.1	3.2	3.2	3.1	3.2	2.9	2.6	2.4	1.7	1.3	0.5	0.1	37.0	36.7		
10.0	0.3	0.9	1.2	1.8	2.3	2.4	2.8	3.1	3.1	3.0	2.9	2.6	2.3	2.3	1.5	1.1	0.3	0.1	34.2	33.9		
20.0	0.2	0.8	1.1	1.4	2.0	2.2	2.4	2.6	2.7	2.6	2.5	2.4	2.3	1.9	1.3	0.7	0.2	0.1	29.4	29.1		
30.0	0.1	0.6	0.9	1.0	1.5	1.8	1.9	2.1	2.1	2.1	2.1	2.0	1.8	1.3	1.0	0.3	0.1	0.0	23.1	22.7		
40.0	0.1	0.4	0.7	0.8	0.9	1.2	1.4	1.5	1.6	1.6	1.6	1.4	1.1	0.9	0.5	0.1	0.0	0.0	15.9	15.6		
50.0	0.0	0.2	0.4	0.6	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.5	0.3	0.1	0.1	0.0	9.2	8.9		
60.0	0.0	0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.1	0.0	0.0	5.3	5.0		
70.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	1.9	1.6		
80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	
90.0	2.8	9.2	12.9	17.2	22.0	24.1	27.1	28.7	29.3	29.0	28.1	26.0	23.0	18.9	12.2	8.2	3.4	1.2	323			
ΦE	1.7	9.0	12.8	17.2	22.0	24.1	27.1	28.7	29.3	29.0	28.1	26.0	23.0	18.9	12.1	7.6	1.9	0.0	318			

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

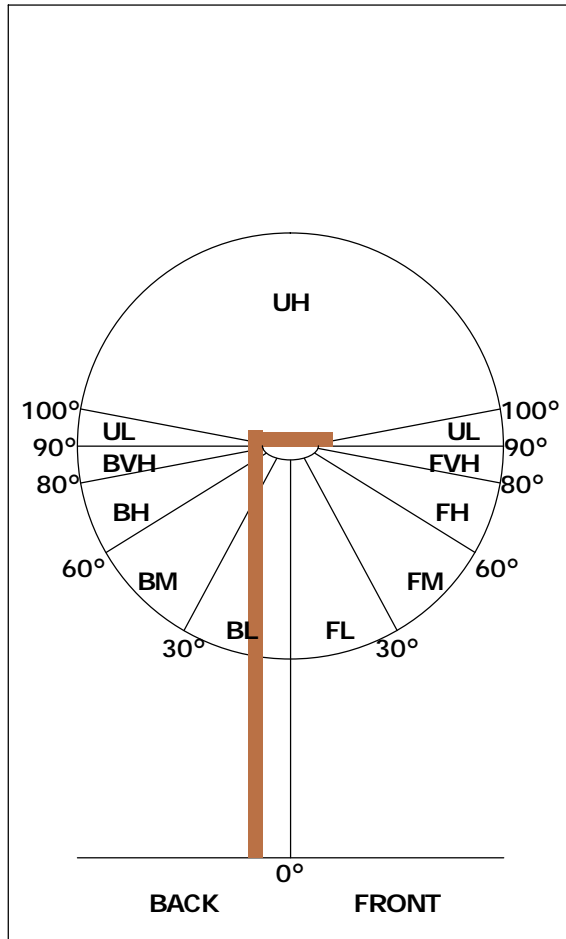
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
3H	1.\$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



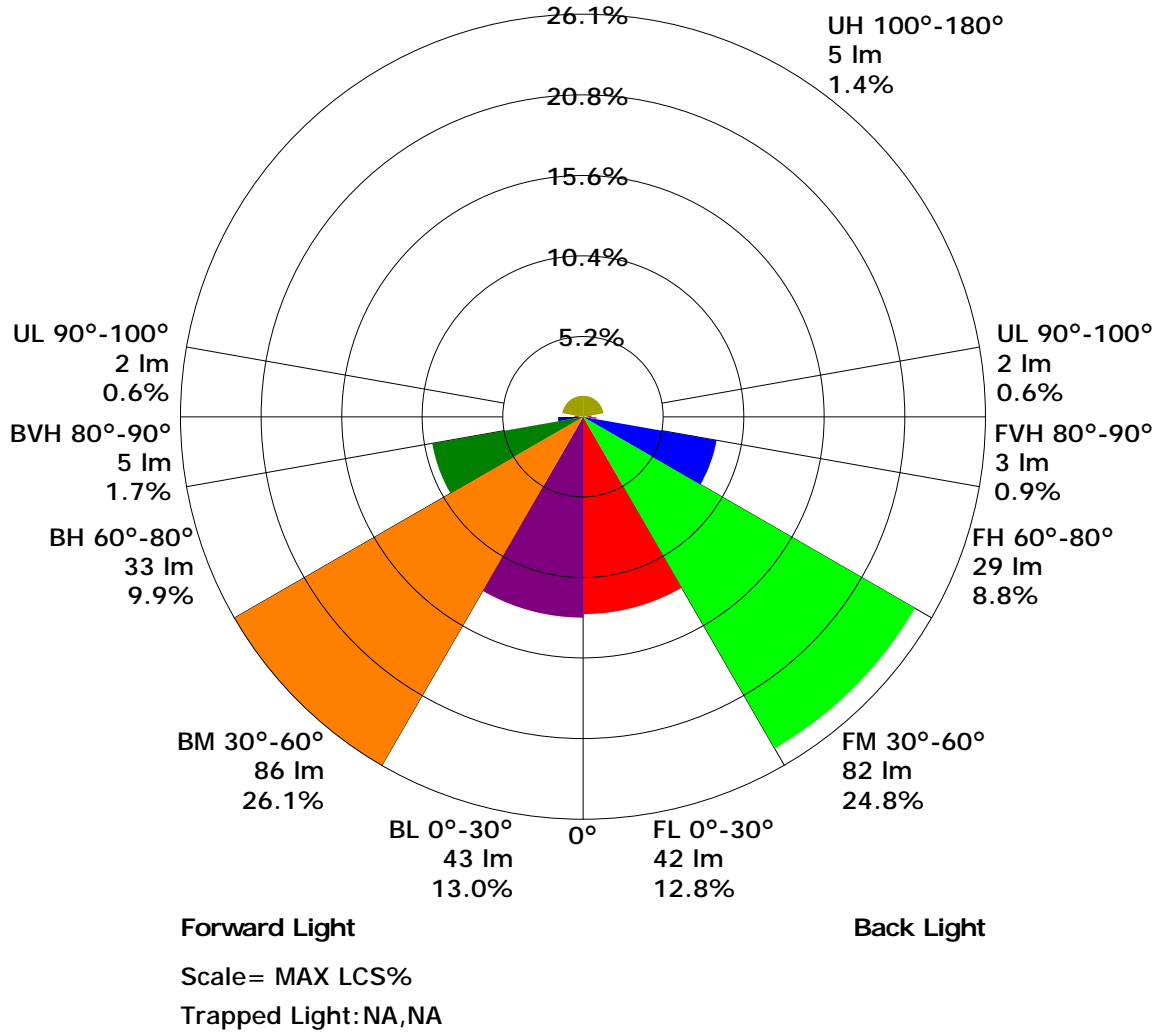
ZONE	LUMENS	% LAMP LUMENS
<b>FORWARD LIGHT</b>	<b>156</b>	<b>47.4</b>
FL ( 0°-30°)	42	12.8
FM (30°-60°)	82	24.8
FH (60°-80°)	29	8.8
FVH (80°-90°)	3	0.9
<b>BACK LIGHT</b>	<b>167</b>	<b>50.7</b>
BL ( 0°-30°)	43	13.0
BM (30°-60°)	86	26.1
BH (60°-80°)	33	9.9
BVH (80°-90°)	5	1.7
<b>UP LIGHT</b>	<b>6</b>	<b>1.9</b>
UL (90°-100°)	2	0.6
UH (100°-180°)	5	1.4
<b>TRAPPED LIGHT</b>	<b>NA</b>	<b>NA</b>

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
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  
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Gamma Plane (°):0.0-180.0:1.0  
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## LCS Graph



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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
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 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	0.58	0.67	0.74	0.79	0.86	0.91	0.95	0.99	1.02	
	0.30		0.51	0.59	0.67	0.72	0.80	0.86	0.90	0.95	0.98	
	0.20		0.46	0.54	0.61	0.67	0.75	0.81	0.85	0.91	0.95	
0.50	0.50	0.20	0.57	0.65	0.72	0.76	0.83	0.87	0.91	0.95	0.97	
	0.30		0.50	0.58	0.65	0.71	0.78	0.83	0.86	0.91	0.94	
	0.20		0.45	0.53	0.60	0.66	0.73	0.79	0.83	0.88	0.92	
0.30	0.50	0.20	0.55	0.62	0.69	0.74	0.80	0.84	0.87	0.91	0.93	
	0.30		0.49	0.57	0.64	0.69	0.75	0.80	0.83	0.88	0.91	
	0.20		0.45	0.52	0.59	0.65	0.72	0.77	0.80	0.85	0.89	
0.00	0.00	0.00	0.42	0.49	0.56	0.61	0.68	0.73	0.76	0.81	0.84	
<p>Rating: 3W 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	0.95	0.80	0.68	0.59	0.48	0.40	0.34	0.27	0.22	
	0.30		0.79	0.69	0.59	0.53	0.43	0.36	0.32	0.25	0.21	
	0.20		0.68	0.60	0.53	0.47	0.39	0.34	0.29	0.24	0.20	
0.50	0.50	0.20	0.91	0.77	0.65	0.57	0.45	0.41	0.32	0.25	0.20	
	0.30		0.77	0.67	0.57	0.51	0.41	0.35	0.30	0.24	0.20	
	0.20		0.67	0.59	0.51	0.46	0.38	0.33	0.28	0.23	0.19	
0.30	0.50	0.20	0.88	0.74	0.62	0.54	0.43	0.36	0.31	0.24	0.19	
	0.30		0.75	0.65	0.56	0.49	0.40	0.34	0.29	0.23	0.19	
	0.20		0.66	0.58	0.50	0.45	0.37	0.31	0.27	0.22	0.18	
0.00	0.00	0.00	0.55	0.48	0.41	0.36	0.29	0.25	0.21	0.17	0.14	
<p>Rating: 3W 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	0.18	0.19	0.20	0.21	0.22	0.22	0.23	0.23	0.24	
	0.30		0.11	0.13	0.14	0.15	0.17	0.18	0.19	0.20	0.21	
	0.20		0.07	0.08	0.10	0.11	0.13	0.15	0.16	0.18	0.19	
0.50	0.50	0.20	0.17	0.19	0.20	0.20	0.21	0.21	0.22	0.22	0.23	
	0.30		0.11	0.13	0.14	0.15	0.17	0.18	0.18	0.20	0.20	
	0.20		0.07	0.08	0.10	0.11	0.13	0.14	0.15	0.17	0.18	
0.30	0.50	0.20	0.17	0.18	0.19	0.19	0.20	0.21	0.21	0.21	0.22	
	0.30		0.11	0.13	0.14	0.15	0.16	0.17	0.18	0.19	0.20	
	0.20		0.07	0.08	0.10	0.11	0.13	0.14	0.15	0.17	0.18	
0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
<p>Rating: 3W 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	108.0	0.1	0.1	0.03	0.03
1.0-2.0	107.9	0.3	0.4	0.09	0.13
2.0-3.0	106.8	0.5	0.9	0.15	0.28
3.0-4.0	106.6	0.7	1.6	0.22	0.50
4.0-5.0	106.6	0.9	2.6	0.28	0.77
5.0-6.0	106.2	1.1	3.7	0.34	1.11
6.0-7.0	105.8	1.3	5.0	0.40	1.51
7.0-8.0	105.2	1.5	6.5	0.46	1.97
8.0-9.0	105.6	1.7	8.2	0.52	2.49
9.0-10.0	105.6	1.9	10.1	0.58	3.07
10.0-11.0	105.2	2.1	12.2	0.64	3.70
11.0-12.0	105.4	2.3	14.5	0.70	4.40
12.0-13.0	105.2	2.5	17.0	0.76	5.16
13.0-14.0	105.1	2.7	19.7	0.82	5.98
14.0-15.0	105.3	2.9	22.6	0.88	6.85
15.0-16.0	105.3	3.1	25.7	0.94	7.79
16.0-17.0	104.8	3.3	28.9	0.99	8.78
17.0-18.0	104.7	3.5	32.4	1.05	9.82
18.0-19.0	104.2	3.6	36.0	1.10	10.92
19.0-20.0	103.8	3.8	39.8	1.15	12.08
20.0-21.0	103.6	4.0	43.8	1.21	13.28
21.0-22.0	102.6	4.1	47.9	1.25	14.53
22.0-23.0	101.3	4.2	52.2	1.29	15.82
23.0-24.0	100.4	4.4	56.6	1.33	17.15
24.0-25.0	99.7	4.5	61.1	1.37	18.53
25.0-26.0	98.2	4.6	65.7	1.41	19.93
26.0-27.0	96.8	4.7	70.5	1.44	21.37
27.0-28.0	95.5	4.8	75.3	1.47	22.83
28.0-29.0	94.5	4.9	80.2	1.50	24.33
29.0-30.0	93.0	5.0	85.3	1.52	25.86
30.0-31.0	91.4	5.1	90.4	1.54	27.40
31.0-32.0	89.5	5.1	95.5	1.56	28.95
32.0-33.0	88.1	5.2	100.7	1.57	30.53
33.0-34.0	87.8	5.3	106.0	1.61	32.14
34.0-35.0	86.9	5.4	111.4	1.64	33.78
35.0-36.0	86.4	5.5	116.9	1.67	35.45

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	85.9	5.6	122.5	1.70	37.15
37.0-38.0	85.6	5.7	128.2	1.73	38.88
38.0-39.0	85.2	5.8	134.0	1.76	40.64
39.0-40.0	83.8	5.8	139.9	1.77	42.41
40.0-41.0	83.6	6.0	145.8	1.81	44.22
41.0-42.0	83.4	6.1	151.9	1.84	46.06
42.0-43.0	82.8	6.1	158.0	1.86	47.92
43.0-44.0	81.9	6.2	164.2	1.88	49.79
44.0-45.0	80.3	6.2	170.4	1.87	51.67
45.0-46.0	79.2	6.2	176.6	1.88	53.54
46.0-47.0	77.8	6.2	182.8	1.88	55.42
47.0-48.0	75.9	6.1	188.9	1.86	57.28
48.0-49.0	74.9	6.1	195.0	1.86	59.14
49.0-50.0	73.7	6.1	201.2	1.86	61.01
50.0-51.0	71.4	6.0	207.2	1.83	62.84
51.0-52.0	69.4	6.0	213.2	1.81	64.65
52.0-53.0	66.7	5.8	219.0	1.76	66.41
53.0-54.0	62.0	5.5	224.5	1.66	68.06
54.0-55.0	57.3	5.1	229.6	1.55	69.61
55.0-56.0	55.2	5.0	234.6	1.51	71.13
56.0-57.0	54.1	4.9	239.5	1.50	72.63
57.0-58.0	51.0	4.7	244.2	1.43	74.06
58.0-59.0	48.4	4.5	248.8	1.37	75.43
59.0-60.0	46.0	4.4	253.1	1.32	76.75
60.0-61.0	42.4	4.1	257.2	1.23	77.98
61.0-62.0	39.0	3.8	260.9	1.14	79.12
62.0-63.0	37.8	3.7	264.6	1.12	80.23
63.0-64.0	37.7	3.7	268.3	1.12	81.35
64.0-65.0	37.6	3.7	272.0	1.13	82.48
65.0-66.0	37.3	3.7	275.7	1.13	83.61
66.0-67.0	35.5	3.6	279.3	1.08	84.69
67.0-68.0	33.7	3.4	282.7	1.04	85.73
68.0-69.0	32.8	3.4	286.1	1.02	86.75
69.0-70.0	32.4	3.3	289.4	1.01	87.76
70.0-71.0	32.0	3.3	292.7	1.00	88.76
71.0-72.0	31.1	3.2	296.0	0.98	89.74

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	29.0	3.0	299.0	0.92	90.66
73.0-74.0	26.6	2.8	301.8	0.85	91.51
74.0-75.0	24.5	2.6	304.4	0.78	92.29
75.0-76.0	22.4	2.4	306.7	0.72	93.01
76.0-77.0	20.8	2.2	309.0	0.67	93.69
77.0-78.0	19.9	2.1	311.1	0.65	94.33
78.0-79.0	18.8	2.0	313.1	0.61	94.95
79.0-80.0	17.1	1.8	315.0	0.56	95.50
80.0-81.0	15.2	1.6	316.6	0.50	96.00
81.0-82.0	13.4	1.5	318.1	0.44	96.44
82.0-83.0	11.4	1.2	319.3	0.37	96.82
83.0-84.0	9.5	1.0	320.3	0.31	97.13
84.0-85.0	7.7	0.8	321.2	0.25	97.39
85.0-86.0	5.8	0.6	321.8	0.19	97.58
86.0-87.0	4.6	0.5	322.3	0.15	97.73
87.0-88.0	3.9	0.4	322.7	0.13	97.86
88.0-89.0	3.3	0.4	323.1	0.11	97.97
89.0-90.0	2.7	0.3	323.4	0.09	98.06
90.0-91.0	2.4	0.3	323.7	0.08	98.14
91.0-92.0	2.0	0.2	323.9	0.07	98.21
92.0-93.0	1.3	0.1	324.0	0.04	98.25
93.0-94.0	1.4	0.2	324.2	0.05	98.30
94.0-95.0	2.0	0.2	324.4	0.07	98.37
95.0-96.0	2.2	0.2	324.6	0.07	98.44
96.0-97.0	1.8	0.2	324.8	0.06	98.50
97.0-98.0	1.4	0.2	325.0	0.05	98.54
98.0-99.0	1.2	0.1	325.1	0.04	98.58
99.0-100.0	1.3	0.1	325.3	0.04	98.63
100.0-101.0	1.6	0.2	325.4	0.05	98.68
101.0-102.0	1.4	0.1	325.6	0.04	98.72
102.0-103.0	1.1	0.1	325.7	0.03	98.76
103.0-104.0	0.9	0.1	325.8	0.03	98.79
104.0-105.0	1.2	0.1	325.9	0.04	98.83
105.0-106.0	1.9	0.2	326.1	0.06	98.89
106.0-107.0	1.3	0.1	326.2	0.04	98.93
107.0-108.0	0.9	0.1	326.3	0.03	98.96

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	1.5	0.2	326.5	0.05	99.00
109.0-110.0	1.2	0.1	326.6	0.04	99.04
110.0-111.0	0.9	0.1	326.7	0.03	99.07
111.0-112.0	1.0	0.1	326.8	0.03	99.10
112.0-113.0	0.6	0.1	326.9	0.02	99.12
113.0-114.0	0.4	0.0	326.9	0.01	99.13
114.0-115.0	0.6	0.1	327.0	0.02	99.15
115.0-116.0	0.8	0.1	327.1	0.02	99.17
116.0-117.0	0.6	0.1	327.1	0.02	99.19
117.0-118.0	0.5	0.0	327.2	0.01	99.21
118.0-119.0	0.5	0.0	327.2	0.01	99.22
119.0-120.0	0.3	0.0	327.2	0.01	99.23
120.0-121.0	0.4	0.0	327.3	0.01	99.24
121.0-122.0	0.5	0.0	327.3	0.01	99.25
122.0-123.0	0.5	0.0	327.4	0.01	99.27
123.0-124.0	0.3	0.0	327.4	0.01	99.27
124.0-125.0	0.2	0.0	327.4	0.01	99.28
125.0-126.0	0.2	0.0	327.4	0.01	99.29
126.0-127.0	0.4	0.0	327.5	0.01	99.30
127.0-128.0	0.5	0.0	327.5	0.01	99.31
128.0-129.0	0.4	0.0	327.5	0.01	99.32
129.0-130.0	0.3	0.0	327.6	0.01	99.33
130.0-131.0	0.5	0.0	327.6	0.01	99.34
131.0-132.0	0.8	0.1	327.7	0.02	99.36
132.0-133.0	1.0	0.1	327.8	0.02	99.39
133.0-134.0	1.2	0.1	327.8	0.03	99.41
134.0-135.0	1.0	0.1	327.9	0.02	99.44
135.0-136.0	1.0	0.1	328.0	0.02	99.46
136.0-137.0	0.9	0.1	328.1	0.02	99.48
137.0-138.0	0.6	0.0	328.1	0.01	99.50
138.0-139.0	1.0	0.1	328.2	0.02	99.52
139.0-140.0	1.2	0.1	328.3	0.03	99.55
140.0-141.0	0.9	0.1	328.3	0.02	99.56
141.0-142.0	0.7	0.0	328.4	0.01	99.58
142.0-143.0	0.7	0.0	328.4	0.01	99.59
143.0-144.0	0.9	0.1	328.5	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	0.9	0.1	328.6	0.02	99.63
145.0-146.0	0.7	0.0	328.6	0.01	99.64
146.0-147.0	0.7	0.0	328.6	0.01	99.66
147.0-148.0	0.7	0.0	328.7	0.01	99.67
148.0-149.0	0.7	0.0	328.7	0.01	99.68
149.0-150.0	0.8	0.0	328.8	0.01	99.70
150.0-151.0	1.1	0.1	328.8	0.02	99.71
151.0-152.0	1.2	0.1	328.9	0.02	99.73
152.0-153.0	1.0	0.1	329.0	0.02	99.75
153.0-154.0	1.0	0.0	329.0	0.01	99.76
154.0-155.0	1.0	0.0	329.0	0.01	99.78
155.0-156.0	1.1	0.1	329.1	0.02	99.79
156.0-157.0	1.2	0.1	329.2	0.02	99.81
157.0-158.0	1.1	0.0	329.2	0.01	99.82
158.0-159.0	0.9	0.0	329.2	0.01	99.83
159.0-160.0	0.8	0.0	329.3	0.01	99.84
160.0-161.0	0.8	0.0	329.3	0.01	99.85
161.0-162.0	1.3	0.0	329.3	0.01	99.87
162.0-163.0	1.6	0.1	329.4	0.02	99.88
163.0-164.0	1.2	0.0	329.4	0.01	99.89
164.0-165.0	1.3	0.0	329.5	0.01	99.91
165.0-166.0	1.9	0.1	329.5	0.02	99.92
166.0-167.0	1.9	0.0	329.6	0.01	99.94
167.0-168.0	1.4	0.0	329.6	0.01	99.95
168.0-169.0	1.5	0.0	329.6	0.01	99.96
169.0-170.0	1.4	0.0	329.7	0.01	99.97
170.0-171.0	1.0	0.0	329.7	0.01	99.97
171.0-172.0	1.3	0.0	329.7	0.01	99.98
172.0-173.0	1.4	0.0	329.7	0.01	99.98
173.0-174.0	1.2	0.0	329.7	0.00	99.99
174.0-175.0	1.3	0.0	329.8	0.00	99.99
175.0-176.0	1.4	0.0	329.8	0.00	100.00
176.0-177.0	1.0	0.0	329.8	0.00	100.00
177.0-178.0	0.7	0.0	329.8	0.00	100.00
178.0-179.0	1.0	0.0	329.8	0.00	100.00
179.0-180.0	1.5	0.0	329.8	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	110.2	106.6	108.1	104.4	110.2	106.6	108.1	104.4	110.2	
G1.0	109.6	107.6	106.6	106.9	110.8	110.3	109.0	108.7	109.6	
G2.0	108.3	106.1	104.9	103.2	109.3	108.1	108.0	109.3	108.3	
G3.0	104.8	101.9	102.4	106.7	109.0	108.8	110.3	107.3	104.8	
G4.0	103.8	100.6	103.1	108.4	108.7	109.2	109.7	110.2	103.8	
G5.0	103.1	100.0	101.9	108.4	109.7	112.2	110.7	106.1	103.1	
G6.0	102.1	103.0	102.6	108.1	109.4	110.6	108.2	103.4	102.1	
G7.0	104.5	99.7	104.1	107.0	109.0	109.8	107.8	103.0	104.5	
G8.0	101.3	99.9	103.8	105.0	107.3	108.5	107.0	106.0	101.3	
G9.0	104.2	103.4	105.9	109.4	106.5	109.5	107.7	104.1	104.2	
G10.0	101.2	103.8	105.8	106.6	107.1	107.4	106.8	100.6	101.2	
G11.0	101.7	100.1	107.5	109.1	107.4	106.9	108.3	102.6	101.7	
G12.0	102.2	104.0	106.5	108.1	107.7	106.7	105.5	101.7	102.2	
G13.0	102.5	104.2	108.2	107.7	107.9	107.0	103.4	99.3	102.5	
G14.0	103.0	100.8	106.6	107.9	107.2	106.3	105.4	103.7	103.0	
G15.0	107.3	103.8	106.4	104.2	107.2	105.4	105.2	104.4	107.3	
G16.0	107.9	100.1	108.2	105.5	106.8	105.4	103.6	103.4	107.9	
G17.0	103.5	99.2	108.5	105.4	107.0	102.6	105.6	104.6	103.5	
G18.0	107.1	102.6	104.9	103.9	106.7	102.9	103.5	106.4	107.1	
G19.0	102.0	97.8	105.0	102.9	107.1	104.2	104.0	106.0	102.0	
G20.0	100.7	100.8	107.0	101.7	106.2	103.0	107.3	105.3	100.7	
G21.0	99.6	100.9	105.6	103.5	104.3	102.4	104.6	104.3	99.6	
G22.0	99.1	99.7	99.1	102.1	102.5	103.1	104.5	106.0	99.1	
G23.0	98.2	93.4	102.9	100.1	100.1	100.6	103.9	105.2	98.2	
G24.0	97.5	96.0	101.5	100.5	97.7	99.7	105.6	103.8	97.5	
G25.0	100.7	93.8	99.1	100.6	94.3	100.2	102.6	101.7	100.7	
G26.0	99.9	92.1	94.0	98.7	92.8	100.4	100.8	99.3	99.9	
G27.0	98.8	90.1	93.3	100.1	91.9	99.4	98.9	97.9	98.8	
G28.0	93.7	84.0	96.4	98.1	90.5	97.4	99.8	97.2	93.7	
G29.0	92.7	85.2	95.0	99.3	90.7	96.2	97.6	97.8	92.7	
G30.0	93.5	84.0	89.3	98.7	87.5	93.3	94.6	93.6	93.5	
G31.0	92.0	83.5	88.1	98.6	87.3	91.8	92.1	94.3	92.0	
G32.0	87.1	84.4	84.8	91.9	86.9	92.4	86.4	91.1	87.1	
G33.0	86.2	85.7	85.4	89.9	88.3	91.5	85.6	92.1	86.2	
G34.0	88.4	85.6	83.3	93.3	90.3	89.9	82.2	86.5	88.4	
G35.0	87.3	88.3	82.8	91.4	94.4	85.4	78.2	83.2	87.3	
G36.0	85.9	92.6	85.5	90.3	91.1	84.2	76.6	85.9	85.9	

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	84.7	93.8	82.0	88.5	89.9	87.4	75.7	81.1	84.7	
G38.0	83.4	92.3	85.8	86.8	91.7	84.8	78.7	83.3	83.4	
G39.0	82.2	90.6	86.8	80.7	87.4	87.7	78.1	82.8	82.2	
G40.0	77.4	88.2	84.6	80.3	86.7	84.0	82.5	81.8	77.4	
G41.0	79.5	86.7	85.3	82.7	88.6	89.4	83.3	76.9	79.5	
G42.0	74.9	85.3	87.5	76.6	87.5	91.6	82.3	76.5	74.9	
G43.0	76.7	82.8	89.6	76.6	86.7	90.4	82.6	76.4	76.7	
G44.0	74.7	83.1	84.3	75.7	81.9	90.8	82.6	76.1	74.7	
G45.0	69.1	78.3	81.7	77.7	80.6	86.6	83.1	78.8	69.1	
G46.0	70.7	75.8	80.0	76.3	83.2	84.1	83.1	77.6	70.7	
G47.0	69.2	74.2	80.6	71.8	76.9	87.2	81.4	72.5	69.2	
G48.0	70.5	76.6	74.7	68.7	73.7	85.3	80.3	70.9	70.5	
G49.0	71.0	81.1	73.3	66.7	71.0	80.1	80.4	73.3	71.0	
G50.0	69.2	72.4	74.3	66.1	69.9	78.3	79.3	72.1	69.2	
G51.0	59.8	66.3	73.6	62.9	71.7	80.2	77.9	68.8	59.8	
G52.0	59.3	65.1	72.2	60.2	70.3	75.2	75.6	71.9	59.3	
G53.0	50.5	55.3	66.5	55.2	68.4	77.5	73.2	70.6	50.5	
G54.0	39.0	46.3	56.1	49.7	67.7	75.6	76.0	65.0	39.0	
G55.0	35.0	43.4	46.4	41.6	63.5	69.8	79.0	62.1	35.0	
G56.0	39.2	49.3	41.0	35.4	70.4	78.2	72.7	56.6	39.2	
G57.0	47.4	47.7	41.5	25.5	68.3	70.8	71.5	49.5	47.4	
G58.0	47.2	51.5	49.7	21.5	61.1	64.5	56.8	41.4	47.2	
G59.0	46.2	47.2	57.0	18.8	57.2	64.1	52.2	38.4	46.2	
G60.0	43.2	44.0	55.5	16.5	53.6	58.6	43.3	40.9	43.2	
G61.0	40.0	39.4	54.7	15.6	45.8	46.7	38.7	42.5	40.0	
G62.0	40.5	37.5	45.0	14.3	37.1	38.0	45.1	42.9	40.5	
G63.0	43.3	38.5	43.9	15.8	35.2	39.3	47.5	41.8	43.3	
G64.0	40.8	34.4	43.8	13.0	38.6	42.3	48.5	36.3	40.8	
G65.0	44.8	31.7	45.2	17.1	42.1	42.5	48.8	32.6	44.8	
G66.0	43.5	24.2	45.2	19.2	39.0	44.6	44.3	31.5	43.5	
G67.0	36.8	18.6	45.8	15.1	39.8	45.0	39.7	35.6	36.8	
G68.0	38.8	12.5	39.8	15.6	38.6	39.8	42.8	35.2	38.8	
G69.0	32.9	6.6	40.7	15.7	40.1	42.3	45.8	38.2	32.9	
G70.0	35.1	3.7	35.8	14.6	42.5	43.2	47.1	34.5	35.1	
G71.0	28.6	3.4	34.9	17.7	46.2	44.7	42.7	37.9	28.6	
G72.0	26.9	5.1	22.8	16.6	46.7	44.9	46.5	31.7	26.9	
G73.0	28.5	5.4	17.7	10.0	44.6	43.4	37.7	35.0	28.5	

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	25.9	2.2	15.8	9.3	40.8	37.6	38.8	32.2	25.9	
G75.0	23.5	4.7	13.2	10.3	38.6	37.3	34.6	26.5	23.5	
G76.0	18.6	2.5	15.3	8.0	36.6	31.4	31.7	25.7	18.6	
G77.0	20.3	0.7	14.8	10.0	34.5	33.0	30.1	20.0	20.3	
G78.0	17.7	0.4	11.3	11.1	32.5	28.5	33.0	21.3	17.7	
G79.0	15.6	3.3	11.1	8.1	30.1	26.6	30.1	19.4	15.6	
G80.0	14.1	0.0	9.5	9.2	27.4	23.9	23.9	21.2	14.1	
G81.0	12.2	3.8	6.6	4.7	25.9	21.3	22.5	17.4	12.2	
G82.0	12.1	0.0	5.3	4.4	24.4	18.3	20.1	15.1	12.1	
G83.0	5.3	0.0	5.0	3.5	20.9	19.0	18.5	10.1	5.3	
G84.0	5.2	0.0	6.1	4.5	19.6	11.8	15.1	7.7	5.2	
G85.0	1.4	0.4	4.8	2.7	17.0	11.5	12.5	2.8	1.4	
G86.0	4.0	2.7	0.0	2.9	15.1	4.0	10.3	1.2	4.0	
G87.0	0.6	2.6	2.5	3.5	13.6	4.1	5.4	0.7	0.6	
G88.0	3.0	2.4	2.3	2.1	11.6	1.1	5.1	1.7	3.0	
G89.0	0.1	2.1	3.7	2.7	5.0	4.7	4.0	1.9	0.1	
G90.0	0.0	1.6	3.7	3.0	2.0	3.7	5.6	0.0	0.0	
G91.0	2.0	0.0	0.0	1.5	4.7	3.7	5.0	2.2	2.0	
G92.0	2.0	0.0	0.0	3.1	1.0	0.0	4.0	2.3	2.0	
G93.0	1.9	0.0	0.0	0.5	0.6	0.0	3.5	2.4	1.9	
G94.0	1.7	0.0	0.0	3.5	0.0	3.5	3.9	0.7	1.7	
G95.0	1.6	1.1	0.0	0.3	3.7	3.6	3.9	4.1	1.6	
G96.0	0.0	2.5	0.0	3.6	0.0	3.6	3.6	4.2	0.0	
G97.0	0.0	0.8	0.0	0.1	3.5	0.0	2.3	4.1	0.0	
G98.0	0.0	0.0	0.0	3.5	3.2	0.0	2.6	2.7	0.0	
G99.0	0.0	0.4	0.0	0.0	0.0	0.0	2.5	4.2	0.0	
G100.0	0.0	0.0	1.7	3.6	0.0	0.0	4.3	4.2	0.0	
G101.0	1.3	0.0	0.0	3.6	2.9	0.0	4.3	0.0	1.3	
G102.0	0.0	1.2	0.0	3.7	0.0	2.0	3.1	0.0	0.0	
G103.0	0.7	0.0	0.0	0.0	2.7	0.0	0.1	3.7	0.7	
G104.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	3.6	0.0	
G105.0	2.1	0.0	1.7	0.0	0.0	3.3	4.8	0.0	2.1	
G106.0	1.7	1.8	1.5	3.7	2.2	0.0	4.6	3.0	1.7	
G107.0	0.2	0.2	1.6	0.0	0.0	0.0	0.4	0.1	0.2	
G108.0	0.1	0.0	2.9	2.1	1.8	0.0	4.5	0.2	0.1	
G109.0	0.1	2.3	0.0	1.9	1.3	2.4	4.4	0.0	0.1	
G110.0	0.0	0.0	0.0	0.6	0.0	2.3	3.1	0.4	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	0.1	0.9	1.2	3.0	0.0	2.0	0.0	0.3	0.1	
G112.0	0.0	0.0	1.1	0.7	0.0	2.0	2.8	1.6	0.0	
G113.0	0.0	1.2	0.0	0.5	0.0	0.0	0.0	0.3	0.0	
G114.0	0.0	0.0	0.8	2.0	0.0	1.8	0.0	0.0	0.0	
G115.0	0.0	0.0	0.8	0.8	0.0	1.5	2.3	0.0	0.0	
G116.0	0.0	0.0	2.2	1.0	0.0	1.4	2.3	0.0	0.0	
G117.0	0.0	0.0	0.3	0.0	0.0	1.2	0.6	0.6	0.0	
G118.0	0.7	3.0	0.0	0.0	0.1	0.9	0.5	0.0	0.7	
G119.0	1.1	0.0	0.0	0.0	0.3	0.7	0.0	0.0	1.1	
G120.0	0.0	1.5	0.0	0.7	0.4	0.7	0.0	0.0	0.0	
G121.0	0.4	0.0	0.0	0.3	0.0	0.9	0.1	0.8	0.4	
G122.0	0.3	1.4	0.0	0.6	0.0	1.1	1.4	0.4	0.3	
G123.0	0.0	1.5	0.0	0.0	0.1	0.1	0.2	0.2	0.0	
G124.0	0.0	0.0	0.0	0.9	0.0	0.0	0.5	1.0	0.0	
G125.0	0.0	0.0	0.0	0.0	0.3	0.0	0.7	0.2	0.0	
G126.0	0.3	0.0	0.1	0.0	0.0	1.9	0.3	0.0	0.3	
G127.0	0.0	0.0	0.3	2.8	0.0	0.0	0.6	0.0	0.0	
G128.0	0.0	2.7	0.0	0.0	0.6	0.0	0.0	1.3	0.0	
G129.0	0.0	1.1	0.6	0.0	0.7	0.0	0.0	0.0	0.0	
G130.0	0.2	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.2	
G131.0	0.3	0.0	0.0	1.5	0.9	0.0	1.7	1.3	0.3	
G132.0	0.0	0.8	0.0	0.0	0.0	2.5	2.1	1.2	0.0	
G133.0	0.0	0.7	1.1	0.0	1.0	2.8	2.3	1.1	0.0	
G134.0	2.0	0.0	1.2	3.0	1.1	0.0	2.4	0.0	2.0	
G135.0	0.0	0.5	1.3	3.0	1.1	0.0	0.0	1.0	0.0	
G136.0	0.6	0.0	2.9	2.8	0.0	0.0	2.7	0.7	0.6	
G137.0	0.0	0.0	0.0	0.0	1.2	0.0	3.0	0.9	0.0	
G138.0	0.0	0.4	0.0	2.7	0.0	1.3	0.0	0.7	0.0	
G139.0	0.8	0.2	0.0	2.5	1.3	2.7	2.9	0.6	0.8	
G140.0	2.4	0.0	1.5	0.0	0.0	0.0	3.0	0.9	2.4	
G141.0	2.5	0.0	1.5	0.0	0.0	0.0	1.5	0.9	2.5	
G142.0	1.0	0.0	0.0	0.5	1.4	0.0	1.4	0.9	1.0	
G143.0	1.1	1.1	0.0	1.7	1.3	0.8	0.0	0.7	1.1	
G144.0	1.1	0.0	1.5	0.5	1.4	2.8	0.0	0.7	1.1	
G145.0	2.6	0.0	1.4	0.0	1.4	0.3	0.0	1.2	2.6	
G146.0	0.0	1.4	0.0	0.9	0.0	1.8	0.0	0.7	0.0	
G147.0	1.3	0.6	0.0	0.9	1.4	0.2	0.0	1.4	1.3	

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	1.4	0.4	2.7	0.7	0.0	0.1	0.0	0.4	1.4	
G149.0	0.0	0.3	0.0	1.6	1.5	0.0	2.6	0.0	0.0	
G150.0	0.0	0.4	0.0	0.3	1.5	1.1	2.4	1.8	0.0	
G151.0	0.0	0.5	2.4	2.0	1.4	0.9	2.3	0.3	0.0	
G152.0	3.1	0.0	2.3	2.2	1.5	0.8	0.0	0.0	3.1	
G153.0	3.0	0.0	0.2	0.4	0.0	0.6	0.4	1.9	3.0	
G154.0	0.0	0.9	0.4	2.6	0.0	1.6	1.7	2.0	0.0	
G155.0	1.6	0.0	0.0	2.7	0.0	0.0	0.6	2.2	1.6	
G156.0	3.1	0.0	0.0	2.5	1.5	0.0	1.5	2.0	3.1	
G157.0	1.6	1.1	0.9	2.9	0.0	0.0	0.0	2.1	1.6	
G158.0	1.6	1.2	1.3	3.1	0.0	0.0	0.0	2.2	1.6	
G159.0	0.0	0.0	1.1	3.1	1.4	0.0	0.0	0.0	0.0	
G160.0	0.0	0.0	1.4	3.2	0.0	0.0	2.1	0.0	0.0	
G161.0	0.0	0.0	1.6	0.0	0.0	0.0	1.7	2.5	0.0	
G162.0	2.9	3.1	0.7	3.2	1.5	0.0	1.9	2.5	2.9	
G163.0	0.0	0.0	0.7	3.2	1.5	3.0	2.1	0.0	0.0	
G164.0	3.1	0.0	0.5	0.0	0.0	3.0	2.3	0.0	3.1	
G165.0	3.2	0.0	0.3	3.1	0.0	0.0	2.4	3.1	3.2	
G166.0	3.3	3.1	2.0	2.9	1.4	3.1	0.0	2.8	3.3	
G167.0	1.7	3.2	0.2	2.9	1.3	0.0	2.8	0.0	1.7	
G168.0	1.6	3.2	0.0	2.7	0.0	0.0	0.0	2.8	1.6	
G169.0	0.0	3.2	0.0	0.0	1.4	3.1	3.0	3.0	0.0	
G170.0	0.0	0.0	1.1	0.1	1.3	0.0	3.1	2.9	0.0	
G171.0	0.0	1.6	0.0	0.7	0.0	2.9	3.1	0.0	0.0	
G172.0	1.7	1.7	1.3	0.3	1.3	0.0	3.1	2.7	1.7	
G173.0	3.1	3.4	0.0	2.0	1.2	0.0	0.0	0.0	3.1	
G174.0	3.1	3.2	0.0	0.7	0.0	0.0	3.2	0.0	3.1	
G175.0	3.1	3.2	0.0	0.9	1.0	2.2	0.0	0.0	3.1	
G176.0	0.0	0.0	3.1	1.4	0.0	1.9	3.3	3.1	0.0	
G177.0	0.0	0.0	0.0	1.0	0.8	0.8	1.3	0.0	0.0	
G178.0	3.1	0.0	0.0	0.4	0.6	1.2	2.5	0.0	3.1	
G179.0	0.0	1.3	3.0	0.0	0.4	0.6	0.4	3.0	0.0	
G180.0	3.1	1.8	0.7	2.9	1.3	3.1	1.9	0.0	3.1	

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: