

Report No.:

Test Time: 2020-08-28 16:47

## Luminaire Property

Luminaire Manufacturer:

Luminaire Description: MR0530KSM-53NFL Voltage: 11.8 V

Current: 0.475 A

Power: 4.70 W

Power Factor: 0.795

## Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 384.9 lm

Measurement Flux: 384.9 lm

Efficiency: 100%

Downward Ratio: 99%

Upward Ratio: 1%

Horizontal Diffuse Angle(10%,50%,75%,100%): H48.8,H24,H15.6,H3

Vertical Diffuse Angle(10%,50%,75%,100%): V48.8,V23.5,V14.9,V0

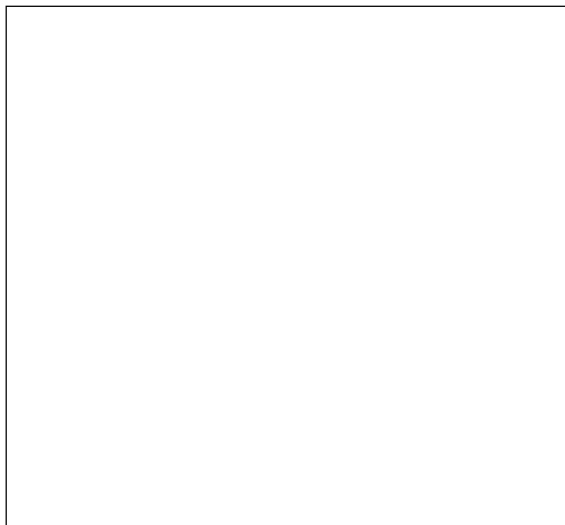
Luminaire Efficacy Rating (LER): 82

Central Intensity: 1474.77 cd

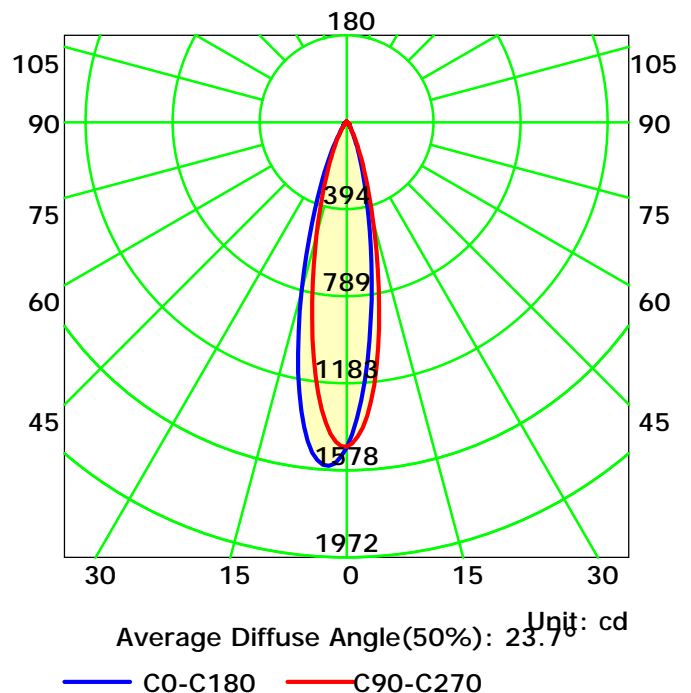
Max. Intensity: 1558.96 cd

Pos of Max. Intensity: H180 V3

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

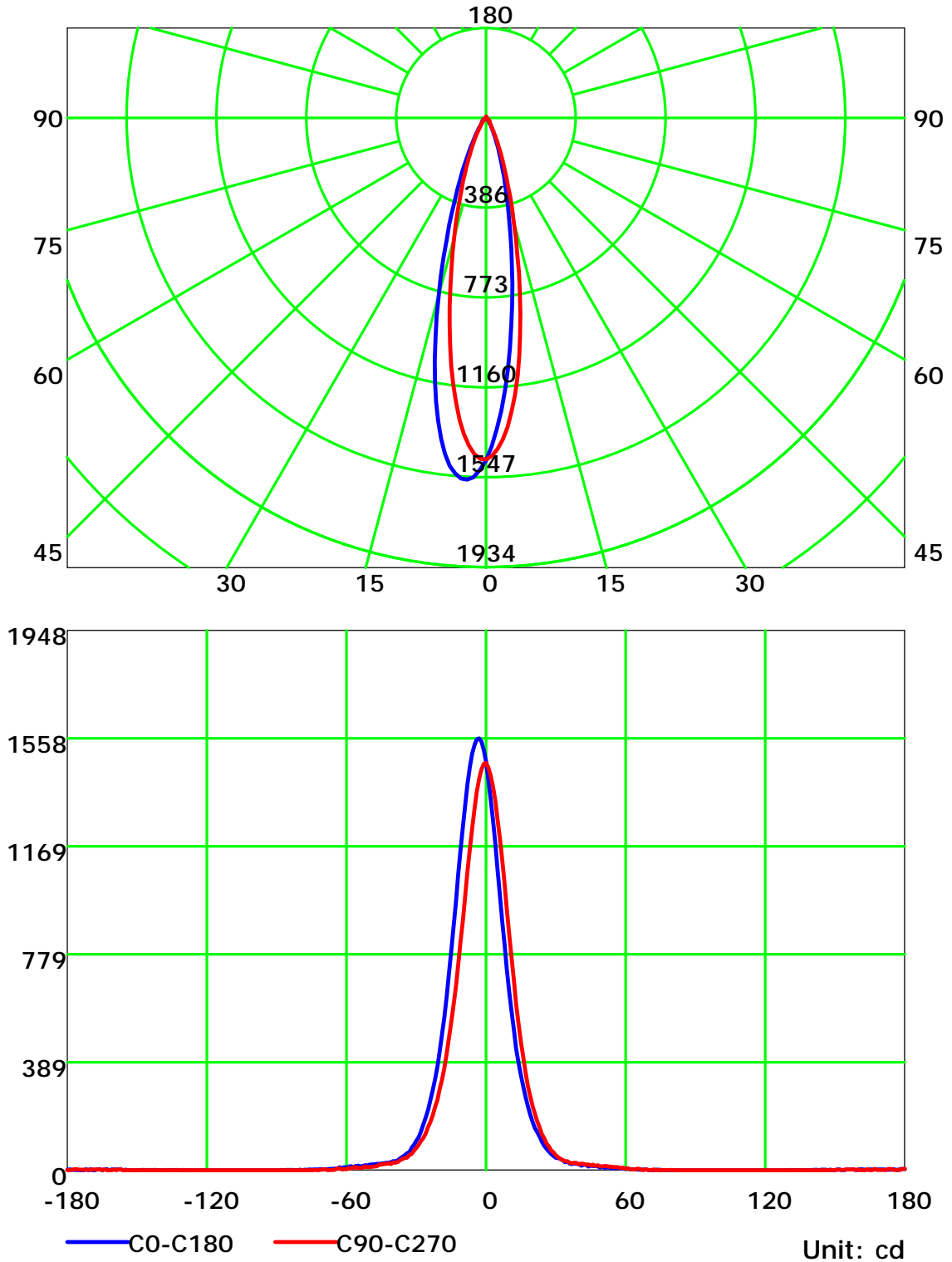
Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

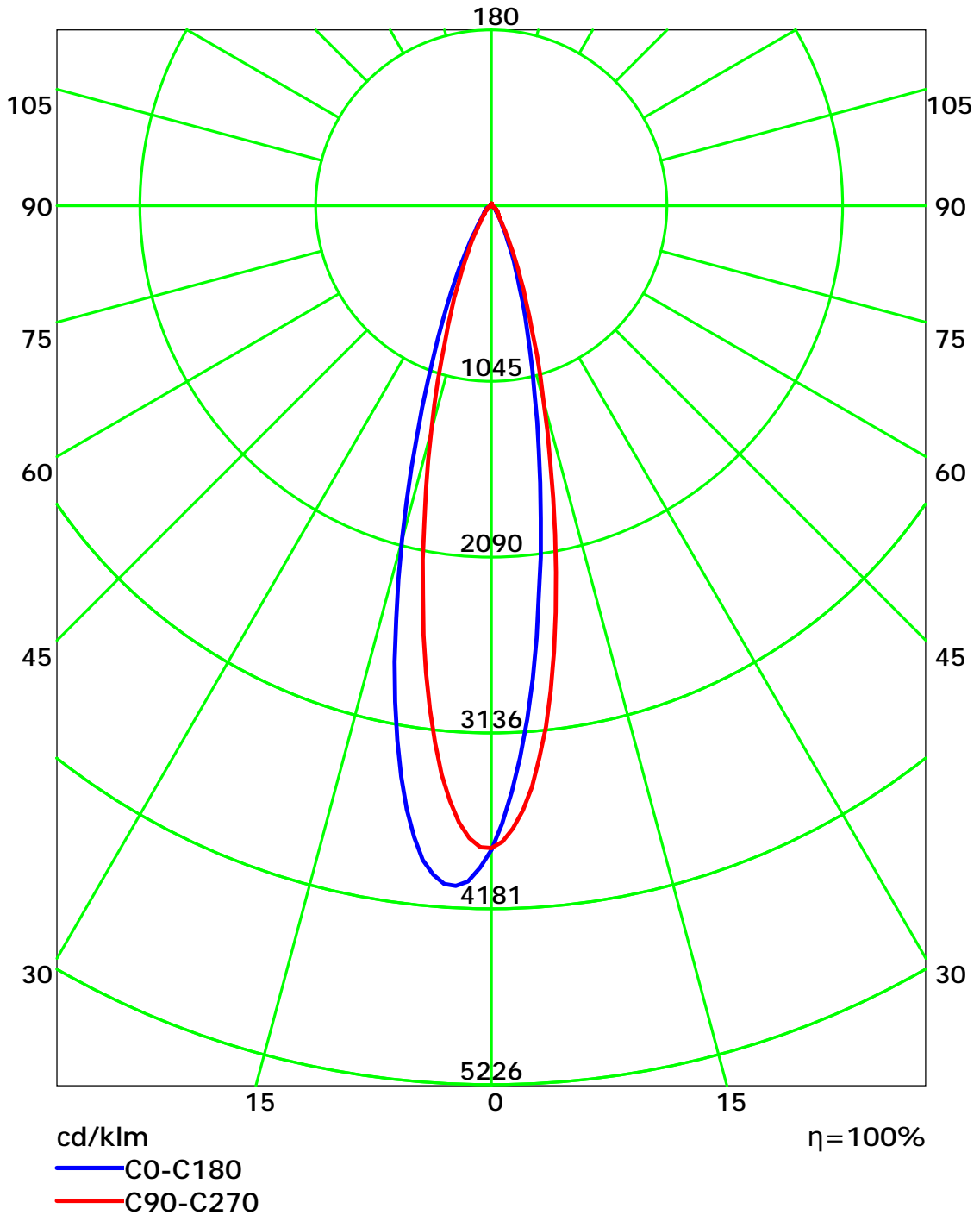
## Luminous Intensity Distribution Curve



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)



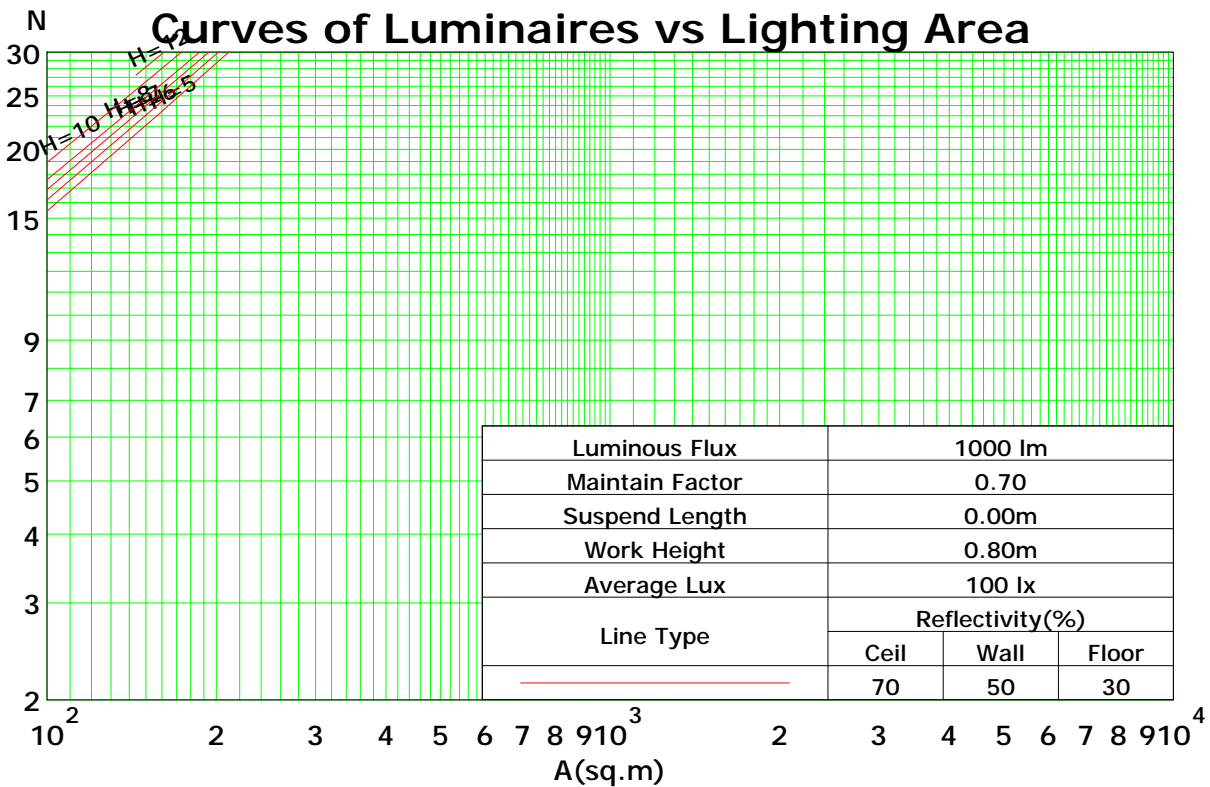
C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

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	111	111	111	106	106	106	101	101	101	99
1	114	112	109	107	112	109	107	106	105	104	102	101	100	99	98	97	96	94
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	94	93	91	90
3	105	100	95	92	103	98	94	91	96	92	90	93	90	88	91	89	87	85
4	101	95	90	86	99	94	89	86	91	88	85	89	86	84	88	85	83	81
5	97	90	85	82	96	89	85	82	88	84	81	86	83	80	84	82	79	78
6	94	86	82	78	92	86	81	78	84	80	77	83	79	77	82	78	76	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	72
8	88	80	75	72	86	79	75	72	78	74	71	77	74	71	76	73	71	69
9	85	77	72	69	84	77	72	69	76	72	69	75	71	68	74	71	68	67
10	82	74	70	67	81	74	70	67	73	69	66	72	69	66	72	68	66	65

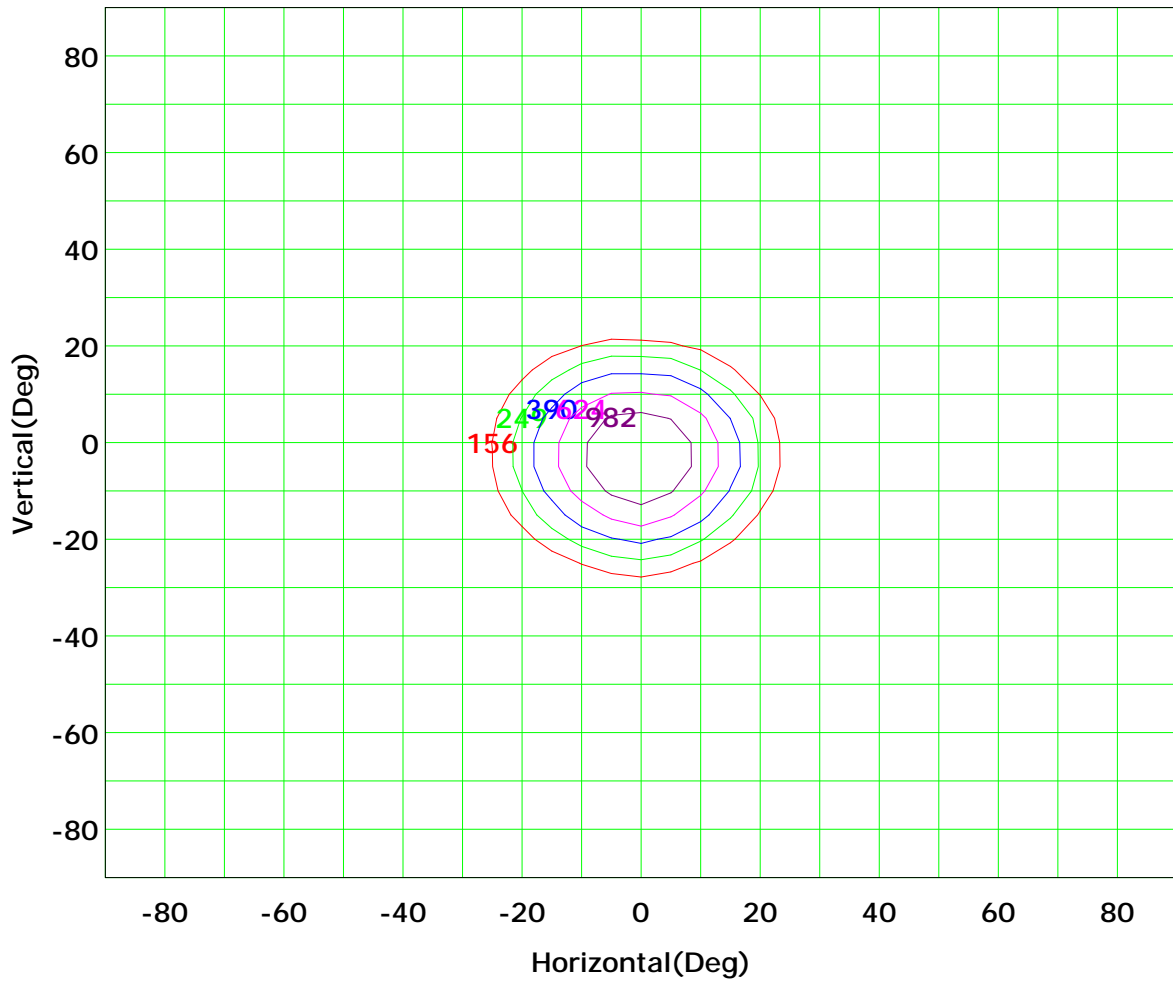
Spacing Criteria (0-180): 0.42  
 Spacing Criteria (90-270): 0.40  
 Spacing Criteria (Diagonal): 0.42



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)



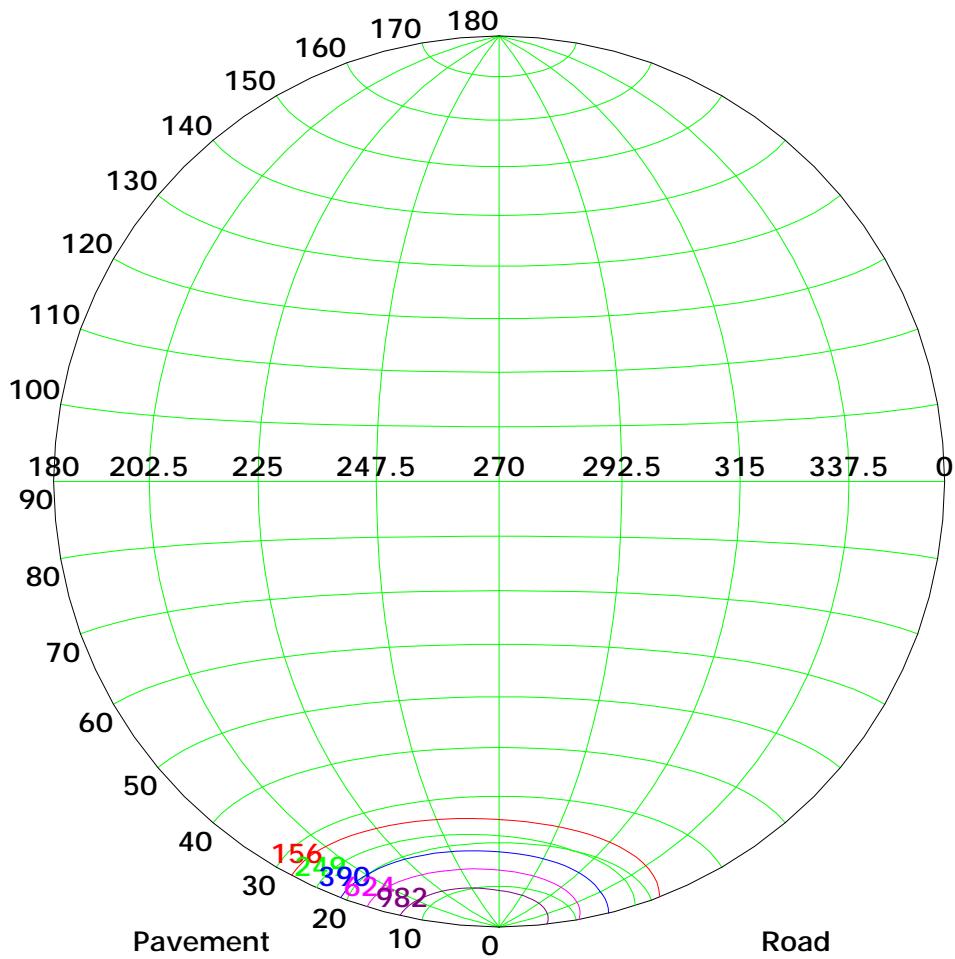
Imax (100%): 1559 cd

— ( 10%): 156 cd	— ( 16%): 249 cd
— ( 25%): 390 cd	— ( 40%): 624 cd
— ( 63%): 982 cd	— (100%): 1559 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)



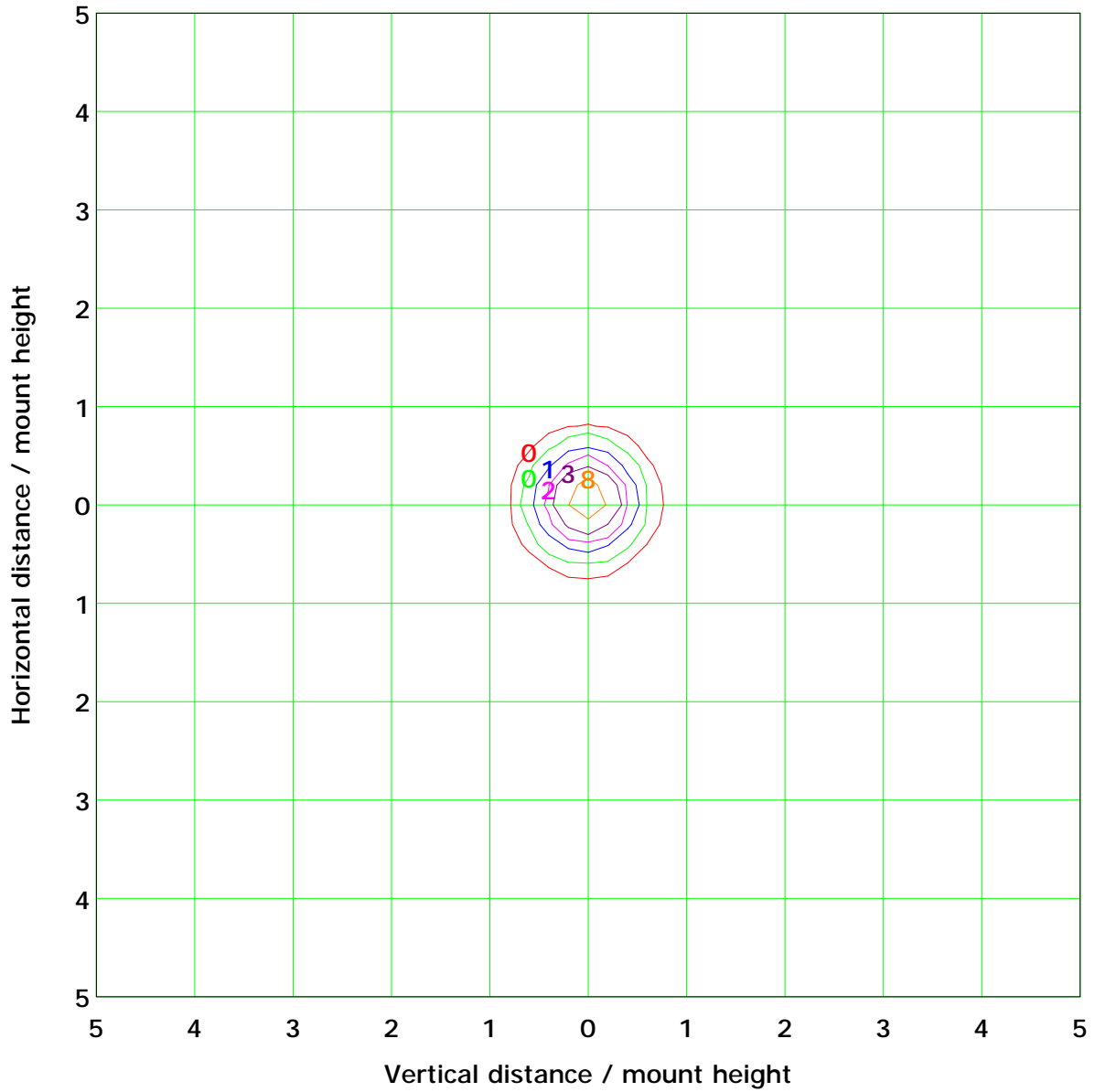
**I<sub>max</sub> (100%): 1559 cd**

— ( 10%): 156 cd	— ( 16%): 249 cd
— ( 25%): 390 cd	— ( 40%): 624 cd
— ( 63%): 982 cd	— (100%): 1559 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



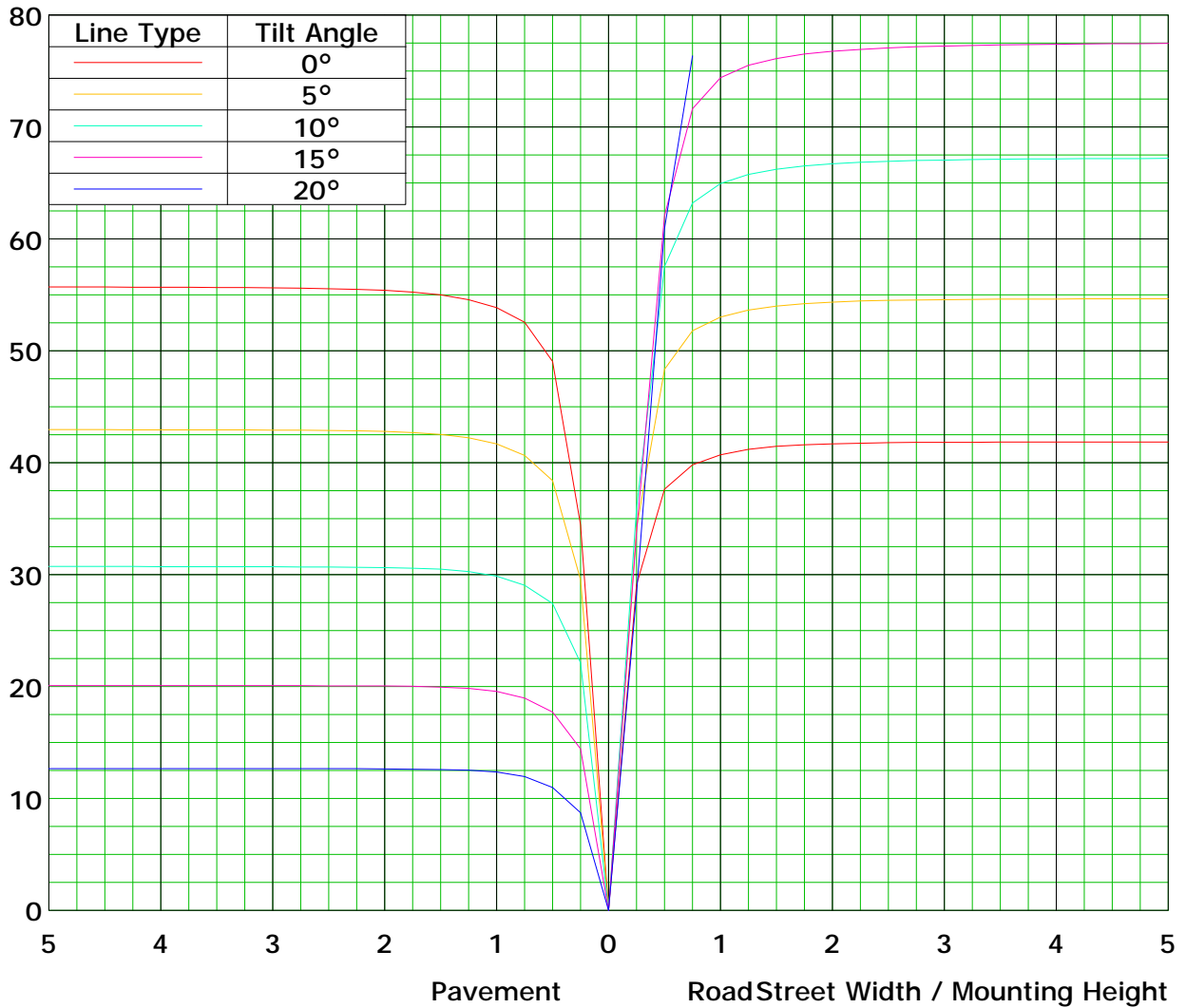
Mounting Height: 10.0m		Max Lux(100%): 15.5 lx	
— ( 1%):	0.2 lx	— ( 2%):	0.3 lx
— ( 5%):	0.8 lx	— (10%):	1.6 lx
— (20%):	3.1 lx	— (50%):	7.8 lx
— (100%):	15.5 lx		

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:

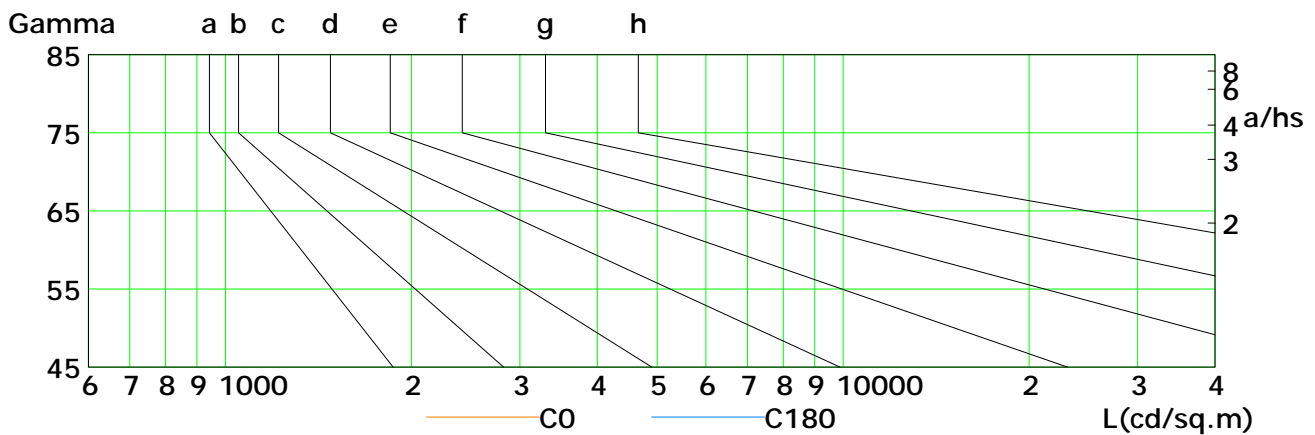
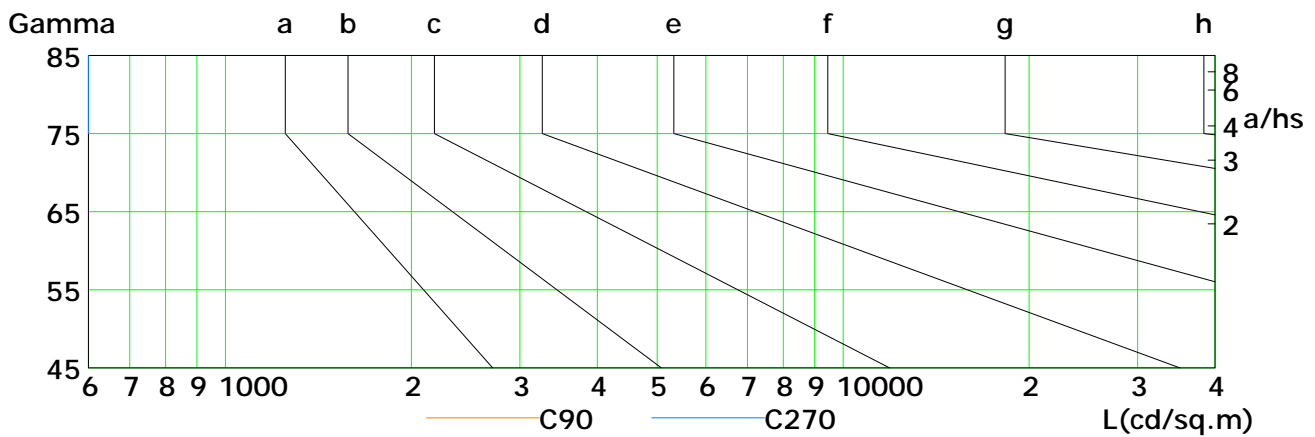
Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:



### 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

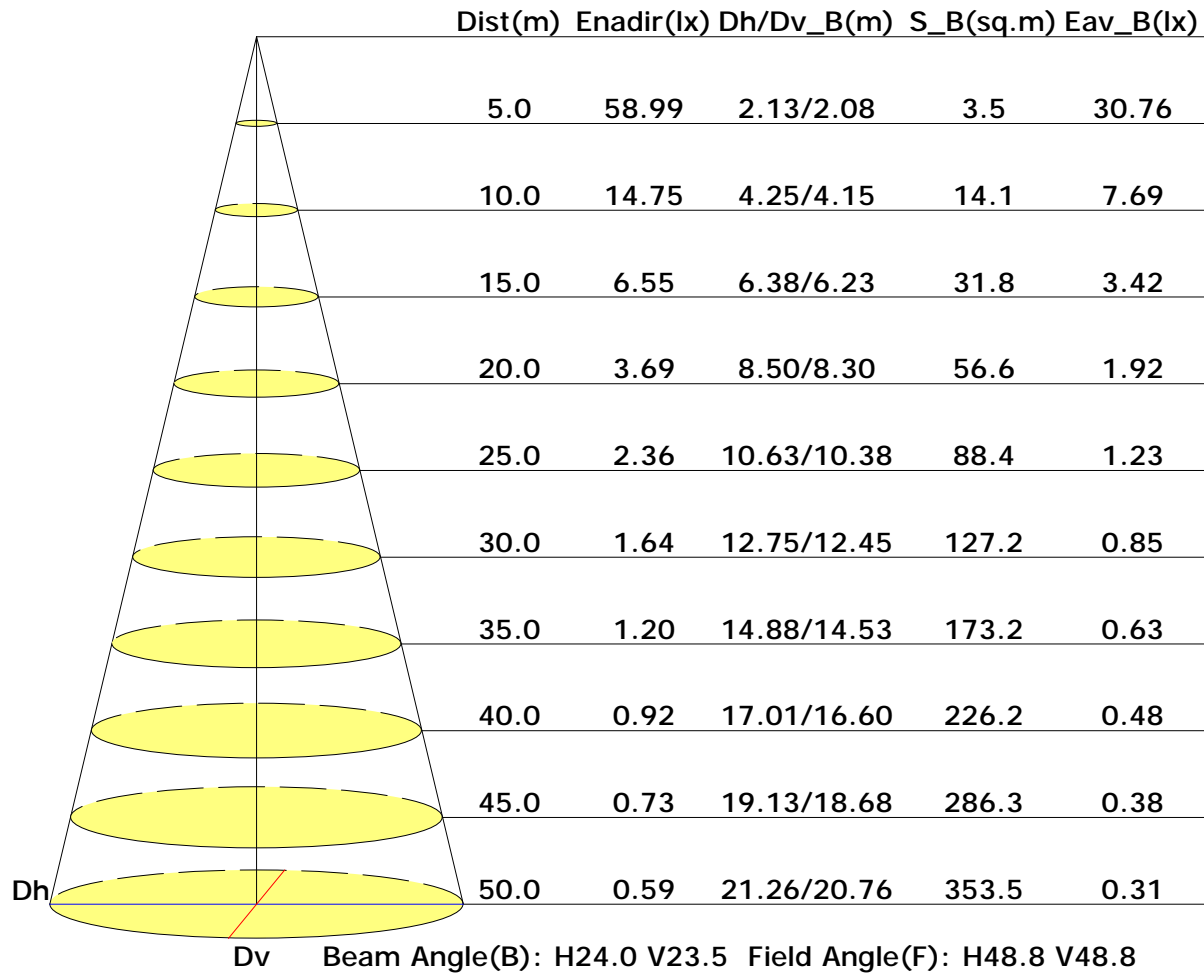


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	17	13	9	6	4	1	0	1	0
C90	18	13	12	6	6	0	2	1	1
C180	25	21	17	9	6	4	2	2	2
C270	21	12	8	5	2	3	0	0	0

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:

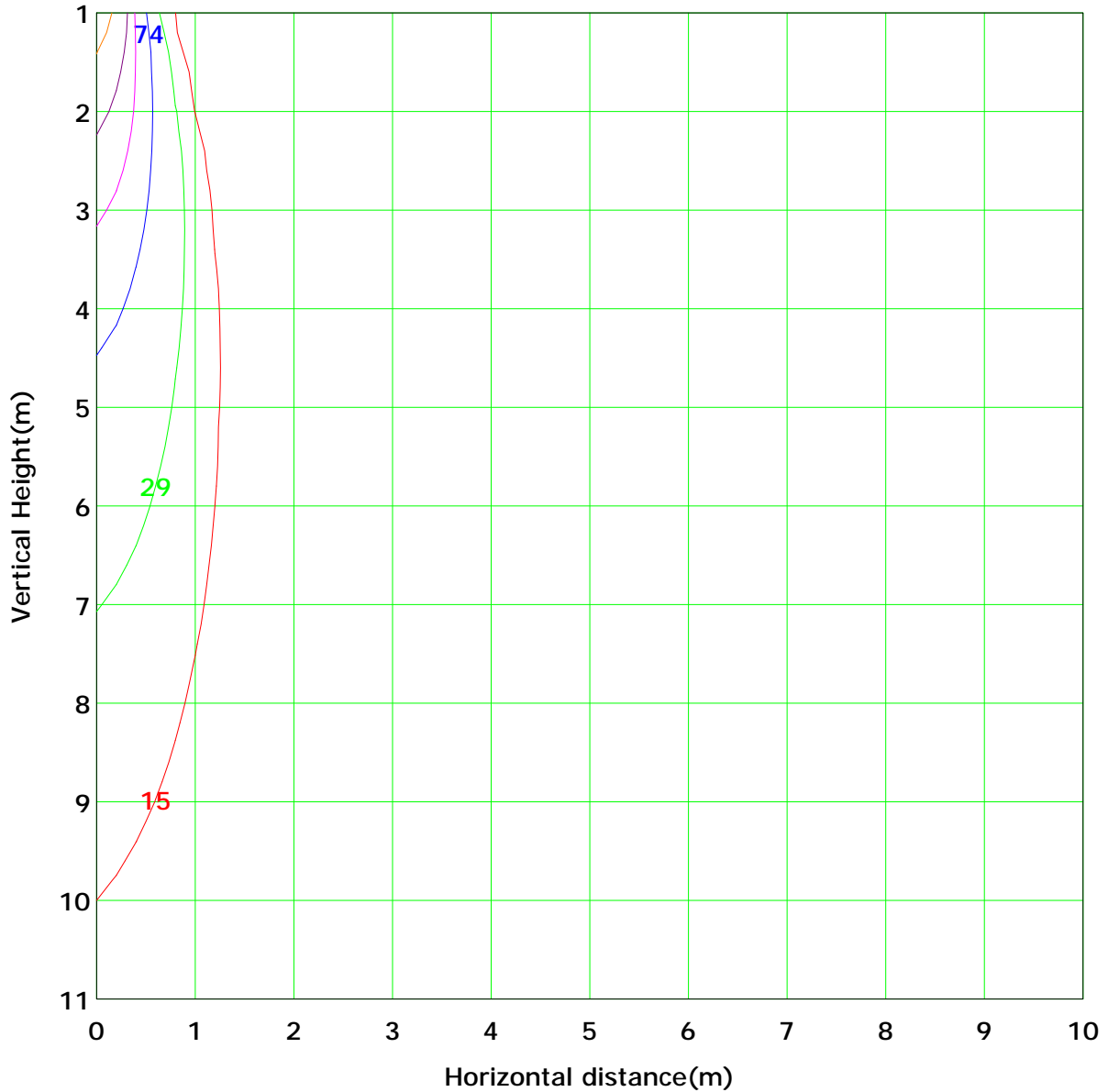
## Illuminance at a Distance



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: 1474.8 lx
( 1%): 14.7 lx	( 2%): 29.5 lx	
( 5%): 73.7 lx	( 10%): 147.5 lx	
( 20%): 295.0 lx	( 50%): 737.4 lx	
(100%):1474.8 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:

**Area Flux Table**

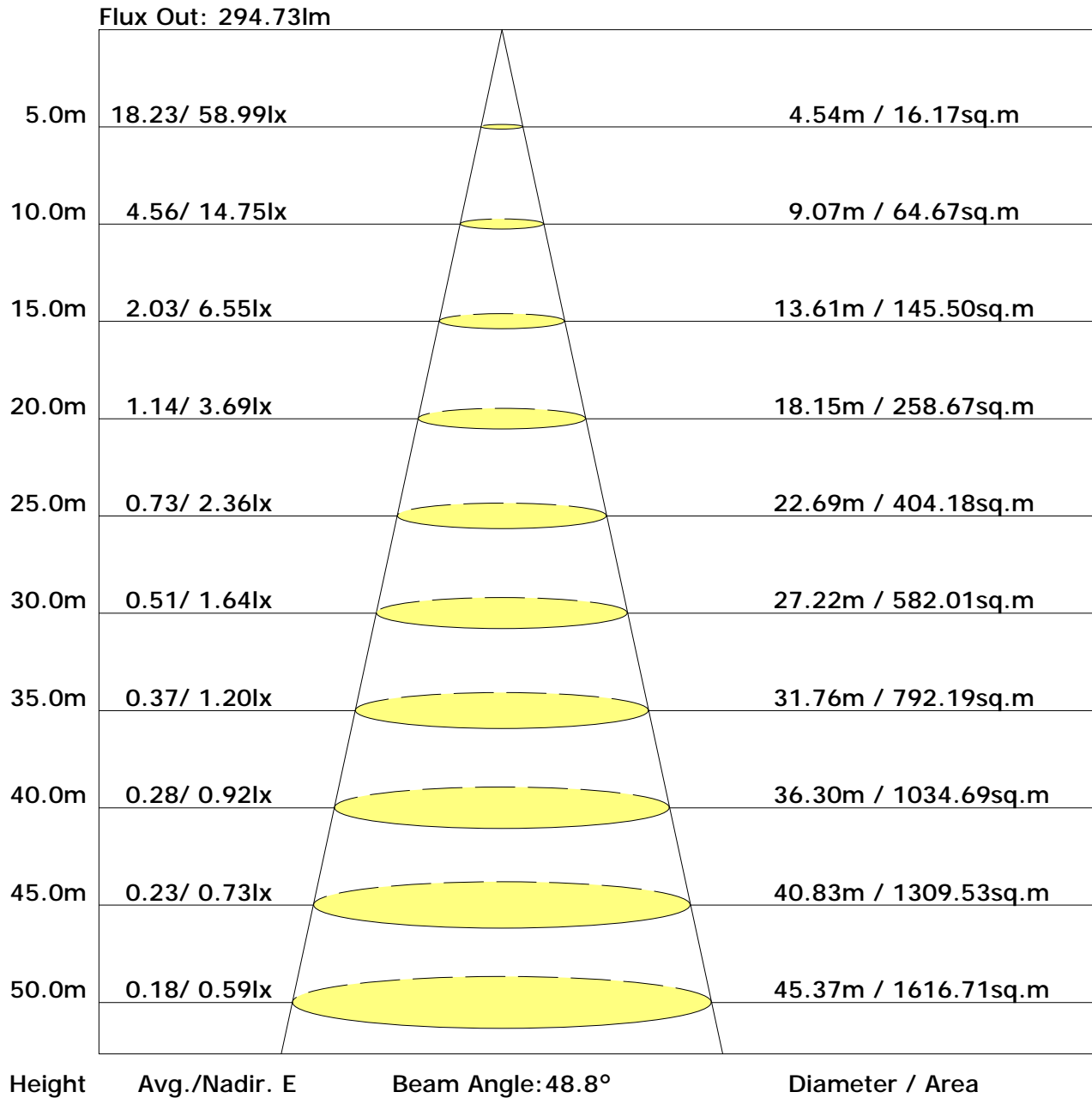
Unit: lx

Vertical plane	Horizontal plane																						
	-90.0	-80.0	-70.0	-60.0	-50.0	-40.0	-30.0	-20.0	-10.0	0.00	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	ΦE		
-90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ΦT	0.0	0.3	1.0	2.3	4.2	7.8	19.8	54.3	109.3	105.3	47.4	15.7	6.5	4.2	2.4	1.0	0.2	0.1	0.1	0.0	0.0	0.0	382
ΦE	0.0	0.0	0.0	0.0	0.0	0.0	6.4	45.9	102.3	98.3	38.5	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	294

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

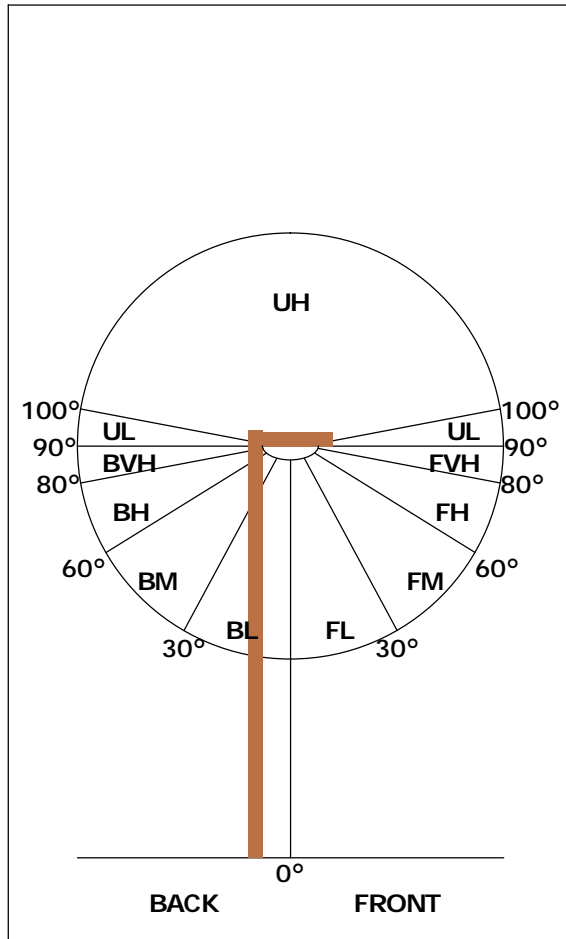
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
3H	1.\$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



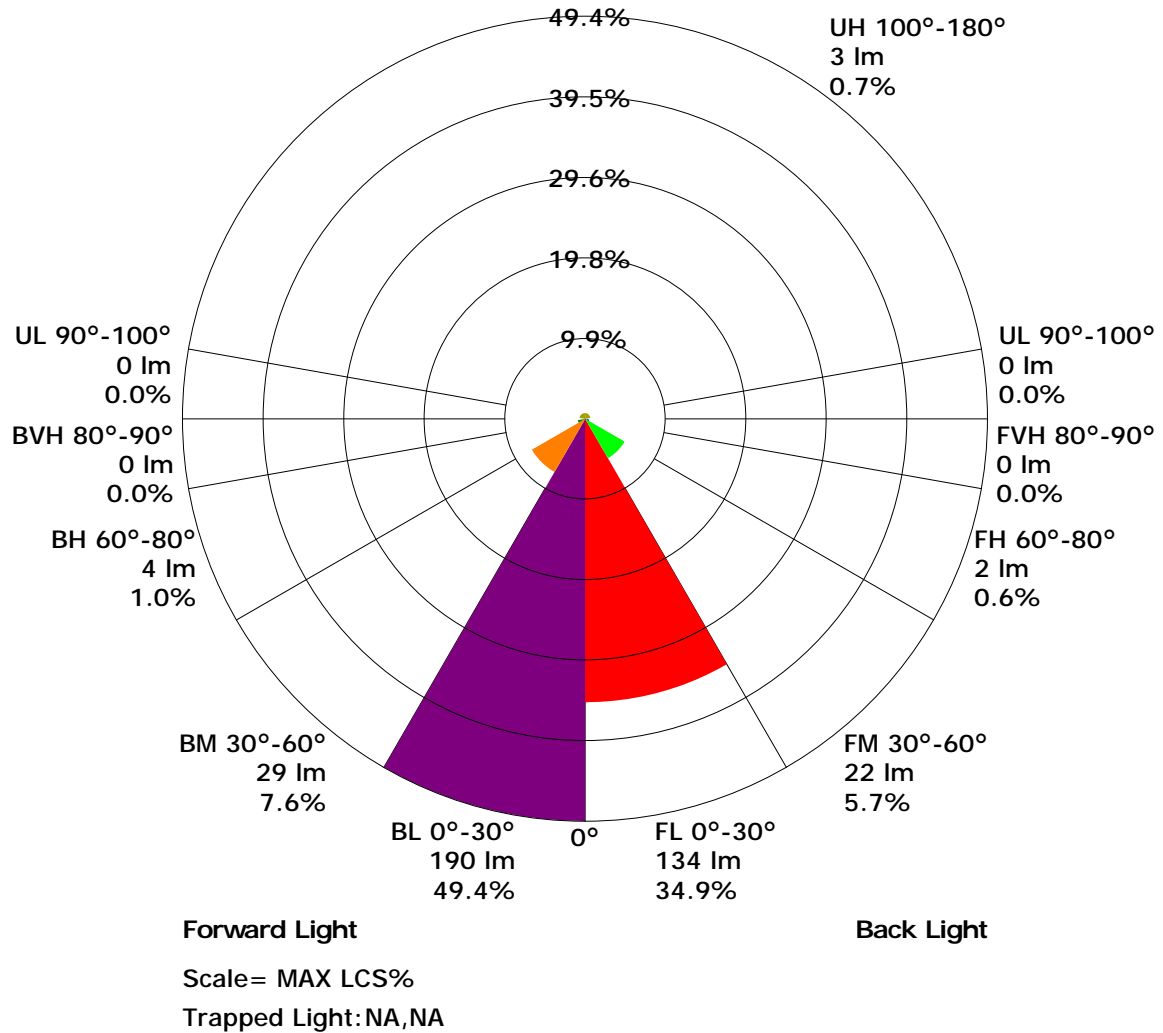
ZONE	LUMENS	% LAMP LUMENS
<b>FORWARD LIGHT</b>	<b>159</b>	<b>41.2</b>
FL ( 0°-30°)	134	34.9
FM (30°-60°)	22	5.7
FH (60°-80°)	2	0.6
FVH (80°-90°)	0	0.0
<b>BACK LIGHT</b>	<b>223</b>	<b>58.0</b>
BL ( 0°-30°)	190	49.4
BM (30°-60°)	29	7.6
BH (60°-80°)	4	1.0
BVH (80°-90°)	0	0.0
<b>UP LIGHT</b>	<b>3</b>	<b>0.8</b>
UL (90°-100°)	0	0.0
UH (100°-180°)	3	0.7
<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)	<b>B1 U1 G0</b>
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	<b>B1 U1 G0</b>

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 = 0.50									
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	0.89	0.95	0.99	1.02	1.06	1.08	1.10	1.12	1.14	
	0.30		0.85	0.91	0.95	0.98	1.02	1.05	1.07	1.10	1.12	
	0.20		0.82	0.88	0.92	0.95	1.00	1.03	1.05	1.08	1.10	
0.50	0.50	0.20	0.88	0.93	0.97	0.99	1.03	1.05	1.06	1.08	1.09	
	0.30		0.84	0.90	0.94	0.96	1.00	1.02	1.04	1.06	1.08	
	0.20		0.81	0.87	0.91	0.94	0.98	1.00	1.02	1.05	1.07	
0.30	0.50	0.20	0.87	0.92	0.95	0.97	1.00	1.02	1.03	1.04	1.05	
	0.30		0.83	0.89	0.92	0.95	0.98	1.00	1.01	1.03	1.04	
	0.20		0.81	0.86	0.90	0.92	0.96	0.98	1.00	1.02	1.03	
0.00	0.00	0.00	0.79	0.84	0.87	0.90	0.93	0.94	0.96	0.97	0.98	
<p>Rating:5W 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 = 0.50									
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	0.56	0.45	0.38	0.33	0.26	0.21	0.18	0.14	0.11	
	0.30		0.46	0.39	0.33	0.29	0.23	0.20	0.17	0.13	0.11	
	0.20		0.40	0.34	0.29	0.26	0.21	0.18	0.16	0.13	0.10	
0.50	0.50	0.20	0.53	0.42	0.35	0.31	0.24	0.24	0.17	0.13	0.10	
	0.30		0.45	0.37	0.31	0.27	0.22	0.18	0.16	0.12	0.10	
	0.20		0.39	0.32	0.28	0.25	0.20	0.17	0.15	0.12	0.10	
0.30	0.50	0.20	0.50	0.40	0.33	0.28	0.22	0.18	0.15	0.12	0.09	
	0.30		0.43	0.35	0.30	0.26	0.20	0.17	0.14	0.11	0.09	
	0.20		0.38	0.31	0.27	0.24	0.19	0.16	0.14	0.11	0.09	
0.00	0.00	0.00	0.23	0.18	0.15	0.13	0.10	0.08	0.07	0.05	0.04	
<p>Rating:5W 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 = 0.50									
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	0.14	0.15	0.17	0.18	0.19	0.20	0.21	0.22	0.22	
	0.30		0.10	0.12	0.13	0.15	0.16	0.18	0.19	0.20	0.21	
	0.20		0.07	0.09	0.11	0.12	0.14	0.16	0.17	0.18	0.20	
0.50	0.50	0.20	0.13	0.15	0.16	0.17	0.18	0.19	0.20	0.21	0.21	
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.20	
	0.20		0.07	0.09	0.11	0.12	0.14	0.15	0.17	0.18	0.19	
0.30	0.50	0.20	0.13	0.14	0.15	0.16	0.18	0.18	0.19	0.20	0.20	
	0.30		0.09	0.11	0.13	0.14	0.15	0.17	0.17	0.19	0.19	
	0.20		0.07	0.09	0.11	0.12	0.14	0.15	0.16	0.17	0.18	
0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
<p>Rating:5W 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	1470.1	1.4	1.4	0.37	0.37
1.0-2.0	1454.8	4.2	5.6	1.09	1.45
2.0-3.0	1424.7	6.8	12.4	1.77	3.22
3.0-4.0	1382.1	9.3	21.7	2.40	5.63
4.0-5.0	1328.9	11.4	33.1	2.97	8.60
5.0-6.0	1265.4	13.3	46.4	3.46	12.05
6.0-7.0	1193.9	14.8	61.2	3.85	15.90
7.0-8.0	1116.3	16.0	77.2	4.15	20.05
8.0-9.0	1034.0	16.8	93.9	4.35	24.41
9.0-10.0	949.3	17.2	111.1	4.46	28.87
10.0-11.0	865.1	17.3	128.4	4.49	33.36
11.0-12.0	782.6	17.1	145.5	4.45	37.81
12.0-13.0	701.9	16.7	162.2	4.33	42.14
13.0-14.0	627.0	16.1	178.2	4.17	46.31
14.0-15.0	558.2	15.3	193.6	3.98	50.29
15.0-16.0	494.4	14.5	208.0	3.76	54.05
16.0-17.0	437.0	13.6	221.7	3.54	57.59
17.0-18.0	384.0	12.7	234.3	3.29	60.88
18.0-19.0	336.8	11.7	246.0	3.04	63.93
19.0-20.0	296.2	10.8	256.9	2.82	66.74
20.0-21.0	259.8	10.0	266.9	2.59	69.34
21.0-22.0	227.6	9.1	276.0	2.38	71.71
22.0-23.0	198.8	8.3	284.3	2.17	73.88
23.0-24.0	173.3	7.6	291.9	1.97	75.85
24.0-25.0	151.5	6.9	298.8	1.79	77.64
25.0-26.0	132.3	6.2	305.1	1.62	79.26
26.0-27.0	114.9	5.6	310.7	1.46	80.72
27.0-28.0	99.6	5.0	315.7	1.31	82.03
28.0-29.0	86.8	4.5	320.3	1.18	83.21
29.0-30.0	75.8	4.1	324.4	1.06	84.28
30.0-31.0	66.4	3.7	328.1	0.96	85.24
31.0-32.0	58.4	3.3	331.4	0.87	86.10
32.0-33.0	51.3	3.0	334.4	0.78	86.89
33.0-34.0	45.0	2.7	337.1	0.71	87.60
34.0-35.0	40.6	2.5	339.7	0.66	88.25
35.0-36.0	37.2	2.4	342.0	0.62	88.87

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	33.5	2.2	344.2	0.57	89.44
37.0-38.0	30.6	2.0	346.3	0.53	89.97
38.0-39.0	28.3	1.9	348.2	0.50	90.47
39.0-40.0	26.5	1.8	350.0	0.48	90.95
40.0-41.0	24.5	1.7	351.8	0.45	91.40
41.0-42.0	23.3	1.7	353.5	0.44	91.84
42.0-43.0	22.6	1.7	355.2	0.44	92.28
43.0-44.0	21.5	1.6	356.8	0.42	92.70
44.0-45.0	20.4	1.6	358.3	0.41	93.11
45.0-46.0	19.4	1.5	359.9	0.39	93.50
46.0-47.0	18.4	1.5	361.3	0.38	93.88
47.0-48.0	17.7	1.4	362.8	0.37	94.25
48.0-49.0	16.5	1.4	364.1	0.35	94.60
49.0-50.0	15.0	1.3	365.4	0.33	94.93
50.0-51.0	14.3	1.2	366.6	0.31	95.24
51.0-52.0	14.3	1.2	367.8	0.32	95.56
52.0-53.0	13.5	1.2	369.0	0.30	95.87
53.0-54.0	12.3	1.1	370.1	0.28	96.15
54.0-55.0	11.7	1.0	371.1	0.27	96.42
55.0-56.0	11.2	1.0	372.1	0.26	96.68
56.0-57.0	10.1	0.9	373.0	0.24	96.92
57.0-58.0	8.7	0.8	373.8	0.21	97.13
58.0-59.0	8.9	0.8	374.7	0.22	97.35
59.0-60.0	8.5	0.8	375.5	0.21	97.55
60.0-61.0	6.9	0.7	376.1	0.17	97.73
61.0-62.0	6.5	0.6	376.8	0.16	97.89
62.0-63.0	6.3	0.6	377.4	0.16	98.05
63.0-64.0	6.0	0.6	378.0	0.15	98.20
64.0-65.0	5.1	0.5	378.5	0.13	98.33
65.0-66.0	4.2	0.4	378.9	0.11	98.44
66.0-67.0	3.6	0.4	379.2	0.09	98.54
67.0-68.0	3.1	0.3	379.6	0.08	98.62
68.0-69.0	3.5	0.4	379.9	0.09	98.71
69.0-70.0	3.4	0.3	380.3	0.09	98.80
70.0-71.0	2.4	0.3	380.5	0.07	98.86
71.0-72.0	1.9	0.2	380.7	0.05	98.92

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	1.9	0.2	380.9	0.05	98.97
73.0-74.0	1.8	0.2	381.1	0.05	99.02
74.0-75.0	1.2	0.1	381.2	0.03	99.05
75.0-76.0	1.2	0.1	381.3	0.03	99.08
76.0-77.0	0.7	0.1	381.4	0.02	99.10
77.0-78.0	0.5	0.1	381.5	0.02	99.12
78.0-79.0	0.6	0.1	381.5	0.02	99.13
79.0-80.0	0.6	0.1	381.6	0.02	99.15
80.0-81.0	0.5	0.1	381.7	0.01	99.17
81.0-82.0	0.2	0.0	381.7	0.01	99.17
82.0-83.0	0.3	0.0	381.7	0.01	99.18
83.0-84.0	0.4	0.0	381.8	0.01	99.19
84.0-85.0	0.5	0.1	381.8	0.01	99.20
85.0-86.0	0.3	0.0	381.9	0.01	99.21
86.0-87.0	0.2	0.0	381.9	0.01	99.22
87.0-88.0	0.3	0.0	381.9	0.01	99.23
88.0-89.0	0.2	0.0	381.9	0.01	99.23
89.0-90.0	0.2	0.0	381.9	0.00	99.24
90.0-91.0	0.3	0.0	382.0	0.01	99.25
91.0-92.0	0.2	0.0	382.0	0.01	99.25
92.0-93.0	0.1	0.0	382.0	0.00	99.26
93.0-94.0	0.2	0.0	382.0	0.00	99.26
94.0-95.0	0.2	0.0	382.1	0.01	99.27
95.0-96.0	0.2	0.0	382.1	0.01	99.27
96.0-97.0	0.2	0.0	382.1	0.00	99.28
97.0-98.0	0.2	0.0	382.1	0.01	99.28
98.0-99.0	0.1	0.0	382.1	0.00	99.28
99.0-100.0	0.0	0.0	382.1	0.00	99.28
100.0-101.0	0.1	0.0	382.1	0.00	99.29
101.0-102.0	0.1	0.0	382.1	0.00	99.29
102.0-103.0	0.1	0.0	382.2	0.00	99.29
103.0-104.0	0.1	0.0	382.2	0.00	99.29
104.0-105.0	0.1	0.0	382.2	0.00	99.30
105.0-106.0	0.1	0.0	382.2	0.00	99.30
106.0-107.0	0.1	0.0	382.2	0.00	99.30
107.0-108.0	0.1	0.0	382.2	0.00	99.31

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	0.1	0.0	382.2	0.00	99.31
109.0-110.0	0.1	0.0	382.2	0.00	99.31
110.0-111.0	0.1	0.0	382.2	0.00	99.31
111.0-112.0	0.1	0.0	382.2	0.00	99.32
112.0-113.0	0.1	0.0	382.3	0.00	99.32
113.0-114.0	0.1	0.0	382.3	0.00	99.32
114.0-115.0	0.2	0.0	382.3	0.00	99.33
115.0-116.0	0.1	0.0	382.3	0.00	99.33
116.0-117.0	0.1	0.0	382.3	0.00	99.33
117.0-118.0	0.2	0.0	382.3	0.00	99.34
118.0-119.0	0.3	0.0	382.4	0.01	99.34
119.0-120.0	0.3	0.0	382.4	0.01	99.35
120.0-121.0	0.2	0.0	382.4	0.01	99.36
121.0-122.0	0.1	0.0	382.4	0.00	99.36
122.0-123.0	0.3	0.0	382.4	0.01	99.37
123.0-124.0	0.4	0.0	382.5	0.01	99.38
124.0-125.0	0.4	0.0	382.5	0.01	99.39
125.0-126.0	0.3	0.0	382.5	0.01	99.39
126.0-127.0	0.4	0.0	382.6	0.01	99.40
127.0-128.0	0.3	0.0	382.6	0.01	99.41
128.0-129.0	0.3	0.0	382.6	0.01	99.42
129.0-130.0	0.4	0.0	382.7	0.01	99.42
130.0-131.0	0.4	0.0	382.7	0.01	99.43
131.0-132.0	0.2	0.0	382.7	0.00	99.44
132.0-133.0	0.3	0.0	382.7	0.01	99.44
133.0-134.0	0.3	0.0	382.8	0.01	99.45
134.0-135.0	0.3	0.0	382.8	0.01	99.46
135.0-136.0	0.4	0.0	382.8	0.01	99.46
136.0-137.0	0.3	0.0	382.8	0.01	99.47
137.0-138.0	0.3	0.0	382.9	0.01	99.48
138.0-139.0	0.2	0.0	382.9	0.00	99.48
139.0-140.0	0.2	0.0	382.9	0.00	99.48
140.0-141.0	0.4	0.0	382.9	0.01	99.49
141.0-142.0	0.4	0.0	383.0	0.01	99.50
142.0-143.0	0.4	0.0	383.0	0.01	99.51
143.0-144.0	0.4	0.0	383.0	0.01	99.51

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	0.5	0.0	383.0	0.01	99.52
145.0-146.0	0.6	0.0	383.1	0.01	99.53
146.0-147.0	0.5	0.0	383.1	0.01	99.54
147.0-148.0	0.6	0.0	383.1	0.01	99.55
148.0-149.0	0.6	0.0	383.2	0.01	99.56
149.0-150.0	0.6	0.0	383.2	0.01	99.56
150.0-151.0	1.0	0.1	383.3	0.01	99.58
151.0-152.0	1.0	0.1	383.3	0.01	99.59
152.0-153.0	0.9	0.0	383.4	0.01	99.60
153.0-154.0	0.8	0.0	383.4	0.01	99.61
154.0-155.0	1.4	0.1	383.5	0.02	99.63
155.0-156.0	1.7	0.1	383.5	0.02	99.65
156.0-157.0	2.2	0.1	383.6	0.03	99.68
157.0-158.0	2.8	0.1	383.7	0.03	99.71
158.0-159.0	1.9	0.1	383.8	0.02	99.73
159.0-160.0	2.1	0.1	383.9	0.02	99.75
160.0-161.0	2.4	0.1	384.0	0.02	99.77
161.0-162.0	2.0	0.1	384.1	0.02	99.79
162.0-163.0	2.0	0.1	384.1	0.02	99.81
163.0-164.0	2.9	0.1	384.2	0.02	99.83
164.0-165.0	2.9	0.1	384.3	0.02	99.85
165.0-166.0	2.6	0.1	384.4	0.02	99.87
166.0-167.0	3.2	0.1	384.5	0.02	99.89
167.0-168.0	2.9	0.1	384.5	0.02	99.91
168.0-169.0	2.6	0.1	384.6	0.01	99.92
169.0-170.0	2.3	0.0	384.6	0.01	99.93
170.0-171.0	2.5	0.0	384.7	0.01	99.95
171.0-172.0	2.6	0.0	384.7	0.01	99.96
172.0-173.0	2.6	0.0	384.8	0.01	99.97
173.0-174.0	2.8	0.0	384.8	0.01	99.98
174.0-175.0	2.9	0.0	384.8	0.01	99.98
175.0-176.0	2.7	0.0	384.8	0.01	99.99
176.0-177.0	2.5	0.0	384.9	0.00	99.99
177.0-178.0	2.5	0.0	384.9	0.00	100.00
178.0-179.0	2.8	0.0	384.9	0.00	100.00
179.0-180.0	3.2	0.0	384.9	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	1474.8	1465.1	1470.2	1485.4	1474.8	1465.1	1470.2	1485.4	1474.8	
G1.0	1414.0	1425.2	1455.9	1504.1	1515.4	1486.1	1468.1	1461.2	1414.0	
G2.0	1342.0	1372.4	1426.3	1502.9	1547.3	1493.5	1448.4	1414.7	1342.0	
G3.0	1264.8	1302.7	1385.8	1482.2	1559.0	1483.7	1413.6	1355.2	1264.8	
G4.0	1177.9	1231.3	1333.7	1451.5	1555.9	1459.8	1366.1	1290.1	1177.9	
G5.0	1087.1	1154.0	1267.6	1406.9	1536.3	1423.9	1307.5	1213.4	1087.1	
G6.0	994.2	1068.6	1198.8	1348.8	1505.3	1373.3	1236.3	1124.8	994.2	
G7.0	895.7	978.4	1118.5	1286.7	1455.9	1318.8	1160.4	1037.6	895.7	
G8.0	813.0	887.0	1031.2	1209.0	1394.5	1245.3	1079.3	949.0	813.0	
G9.0	725.4	798.1	942.3	1123.9	1322.6	1167.4	994.6	861.3	725.4	
G10.0	644.3	713.8	851.5	1033.8	1242.1	1084.2	904.0	779.7	644.3	
G11.0	572.6	636.9	766.4	933.5	1156.6	995.9	825.9	700.0	572.6	
G12.0	505.3	564.4	683.2	847.1	1066.9	902.5	740.7	623.3	505.3	
G13.0	439.5	497.4	599.7	752.5	971.3	816.0	666.0	554.9	439.5	
G14.0	389.7	434.5	530.4	671.5	881.4	735.2	598.8	492.8	389.7	
G15.0	343.5	378.0	463.1	594.3	791.2	658.5	534.4	433.6	343.5	
G16.0	302.5	333.0	408.2	518.1	706.9	588.3	475.3	381.2	302.5	
G17.0	267.0	289.1	356.5	457.9	627.9	522.0	421.6	336.9	267.0	
G18.0	233.2	251.4	306.2	397.5	551.6	458.4	368.5	297.9	233.2	
G19.0	201.4	224.0	268.6	344.4	488.8	408.0	325.8	263.2	201.4	
G20.0	175.6	196.1	232.2	301.9	425.9	357.2	291.4	235.3	175.6	
G21.0	154.0	167.8	206.7	262.4	373.5	314.8	254.4	207.8	154.0	
G22.0	138.9	146.1	178.5	223.9	328.3	277.0	227.9	179.1	138.9	
G23.0	122.5	127.1	155.6	194.0	287.0	240.8	196.8	157.8	122.5	
G24.0	103.0	113.1	130.6	170.4	250.8	210.9	173.3	138.6	103.0	
G25.0	89.6	95.2	117.2	147.4	218.6	186.2	156.8	122.0	89.6	
G26.0	78.1	86.1	97.1	127.5	190.5	161.4	133.2	110.0	78.1	
G27.0	68.2	72.1	87.3	110.3	165.7	140.6	116.5	93.7	68.2	
G28.0	59.4	65.7	71.6	92.8	139.5	122.3	105.8	81.5	59.4	
G29.0	52.0	58.1	66.1	80.1	120.2	106.4	92.8	74.6	52.0	
G30.0	45.8	48.6	53.9	71.1	107.3	92.2	81.5	62.5	45.8	
G31.0	44.8	43.1	47.2	61.7	92.8	80.1	71.7	58.1	44.8	
G32.0	40.5	41.0	41.3	53.8	80.7	69.7	59.0	48.6	40.5	
G33.0	37.0	37.0	36.6	45.6	65.9	61.5	56.0	46.0	37.0	
G34.0	29.6	31.1	32.8	40.3	61.7	54.4	46.0	38.7	29.6	
G35.0	31.2	28.6	33.5	38.1	54.3	47.1	45.0	37.4	31.2	
G36.0	24.6	28.8	27.7	34.8	48.3	41.8	40.7	34.0	24.6	

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	22.7	26.8	25.6	31.9	43.4	39.2	37.1	28.5	22.7	
G38.0	25.1	22.7	27.5	28.3	36.3	35.6	29.9	28.8	25.1	
G39.0	23.7	21.3	26.2	26.7	33.1	33.0	27.1	26.7	23.7	
G40.0	22.5	22.7	21.7	25.5	33.4	28.3	28.9	22.4	22.5	
G41.0	17.2	19.4	24.3	24.5	29.0	28.8	22.9	20.8	17.2	
G42.0	20.3	20.6	23.4	23.8	27.5	24.5	25.4	19.4	20.3	
G43.0	19.3	17.5	19.3	23.1	27.6	26.1	23.9	20.6	19.3	
G44.0	14.3	18.7	21.8	22.4	25.3	25.0	22.6	16.9	14.3	
G45.0	17.2	17.7	17.7	21.7	24.6	23.8	21.4	15.7	17.2	
G46.0	16.3	14.8	20.3	21.0	23.7	19.2	20.4	14.7	16.3	
G47.0	15.4	16.1	16.2	20.8	23.0	21.8	15.1	16.3	15.4	
G48.0	14.5	13.1	18.5	19.4	21.6	20.9	14.2	15.6	14.5	
G49.0	10.4	12.4	14.4	19.1	21.6	20.0	13.1	14.8	10.4	
G50.0	12.9	11.6	13.5	17.8	20.7	15.2	12.4	10.8	12.9	
G51.0	9.0	10.8	15.8	17.0	17.8	18.4	11.5	13.3	9.0	
G52.0	11.4	12.2	14.9	16.3	19.1	13.4	14.6	12.6	11.4	
G53.0	10.6	11.5	14.1	15.0	15.4	12.6	9.6	12.0	10.6	
G54.0	7.3	10.8	13.2	14.1	14.3	15.9	8.9	11.3	7.3	
G55.0	9.1	10.2	12.4	13.0	16.8	15.1	8.0	7.2	9.1	
G56.0	8.4	7.4	11.6	12.0	16.0	10.0	11.6	10.3	8.4	
G57.0	7.6	6.8	11.0	11.2	11.2	9.2	10.8	5.9	7.6	
G58.0	7.1	6.2	6.9	10.5	14.5	8.5	5.9	5.3	7.1	
G59.0	6.5	8.0	9.6	9.5	13.8	12.0	9.5	8.6	6.5	
G60.0	5.7	5.1	5.6	9.0	8.7	11.3	4.6	8.2	5.7	
G61.0	5.2	4.6	8.4	8.2	12.3	6.5	4.0	3.7	5.2	
G62.0	4.5	6.5	4.3	7.4	7.4	10.0	3.4	7.3	4.5	
G63.0	3.9	6.0	3.7	7.0	10.6	9.3	6.9	2.6	3.9	
G64.0	3.6	5.6	3.2	6.4	6.3	8.6	6.4	6.1	3.6	
G65.0	3.8	2.7	6.2	5.8	5.8	8.1	2.0	1.6	3.8	
G66.0	2.4	2.2	5.7	5.2	5.3	3.5	1.5	5.3	2.4	
G67.0	2.0	4.4	1.6	4.7	5.0	7.1	1.3	0.5	2.0	
G68.0	3.1	1.4	1.2	4.3	4.6	2.4	0.9	4.5	3.1	
G69.0	3.0	3.7	4.4	3.7	4.3	6.1	3.6	4.2	3.0	
G70.0	0.5	0.6	0.3	3.2	4.1	5.7	3.2	3.7	0.5	
G71.0	0.1	3.0	0.0	2.9	3.8	5.2	2.7	0.0	0.1	
G72.0	0.0	2.7	3.2	2.3	3.6	0.6	0.0	0.0	0.0	
G73.0	2.2	2.4	0.0	1.8	3.4	4.3	1.7	2.7	2.2	

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	2.0	2.0	0.0	1.8	3.2	0.0	1.3	0.0	2.0	
G75.0	0.0	1.9	2.2	1.0	2.3	0.0	0.0	2.1	0.0	
G76.0	0.0	0.0	0.0	0.7	3.0	3.2	0.3	1.8	0.0	
G77.0	0.0	0.0	1.5	0.2	1.0	0.0	0.0	0.0	0.0	
G78.0	0.0	0.0	0.0	0.0	2.7	2.3	0.0	1.1	0.0	
G79.0	0.0	1.1	1.2	0.2	0.1	0.0	0.0	0.8	0.0	
G80.0	0.9	0.0	1.1	0.0	2.3	1.9	0.0	0.6	0.9	
G81.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.4	0.0	
G82.0	0.8	0.6	0.0	0.0	0.0	0.0	0.0	0.3	0.8	
G83.0	0.6	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.6	
G84.0	0.8	0.0	0.8	0.0	1.8	0.9	0.0	0.0	0.8	
G85.0	0.0	0.0	0.8	0.0	1.7	0.8	0.0	0.0	0.0	
G86.0	0.0	0.7	0.0	0.0	1.4	0.0	0.0	0.0	0.0	
G87.0	0.8	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.8	
G88.0	0.0	0.7	0.8	0.0	1.1	0.0	0.0	0.0	0.0	
G89.0	0.7	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.7	
G90.0	0.7	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.7	
G91.0	0.7	0.0	0.8	0.0	0.6	0.3	0.3	0.0	0.7	
G92.0	0.6	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.6	
G93.0	0.0	0.0	0.7	0.0	0.4	0.0	0.0	0.0	0.0	
G94.0	0.5	0.0	0.0	0.0	0.2	0.1	0.6	0.0	0.5	
G95.0	0.4	0.8	0.6	0.0	0.1	0.0	0.7	0.0	0.4	
G96.0	0.3	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.3	
G97.0	0.0	0.8	0.4	0.3	0.0	0.0	0.8	0.0	0.0	
G98.0	0.0	0.0	0.3	0.4	0.0	0.0	0.0	0.0	0.0	
G99.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	
G100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G101.0	0.0	0.6	0.0	0.5	0.0	0.0	0.0	0.0	0.0	
G102.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	
G103.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	
G104.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	
G105.0	0.0	0.2	0.0	0.0	0.0	0.0	0.4	0.5	0.0	
G106.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.6	0.0	
G107.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.0	
G108.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	
G109.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.8	0.0	
G110.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	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	0.0	0.8	0.0	
G112.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
G113.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.7	0.0	
G114.0	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.8	0.0	
G115.0	0.0	0.0	0.6	0.0	0.0	0.1	0.0	0.8	0.0	
G116.0	0.0	0.0	0.7	0.0	0.3	0.0	0.0	0.0	0.0	
G117.0	0.0	0.0	0.8	0.0	0.0	0.4	0.0	0.0	0.0	
G118.0	0.0	0.0	0.8	0.0	0.4	0.0	0.0	0.7	0.0	
G119.0	0.0	0.0	0.9	0.4	0.0	0.6	0.0	0.5	0.0	
G120.0	0.0	0.3	0.9	0.0	0.6	0.7	0.0	0.6	0.0	
G121.0	0.1	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.1	
G122.0	0.2	0.5	0.0	0.0	0.0	0.8	0.0	0.0	0.2	
G123.0	0.3	0.8	0.8	0.0	0.0	0.0	0.3	0.4	0.3	
G124.0	0.4	0.8	0.8	0.0	0.0	0.9	0.3	0.0	0.4	
G125.0	0.0	0.8	0.5	0.0	0.0	0.9	0.6	0.3	0.0	
G126.0	0.6	0.9	0.6	0.0	0.0	0.0	0.0	0.3	0.6	
G127.0	0.7	1.0	0.0	0.0	0.8	0.0	0.7	0.0	0.7	
G128.0	0.0	0.0	0.5	0.0	0.0	0.0	0.9	0.1	0.0	
G129.0	0.0	1.0	0.3	0.0	0.9	0.8	0.0	0.0	0.0	
G130.0	0.0	0.9	0.0	0.0	1.0	0.8	0.8	0.1	0.0	
G131.0	1.0	0.0	0.1	0.0	0.0	0.8	1.0	0.0	1.0	
G132.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	
G133.0	1.1	0.0	0.0	0.0	1.0	0.7	0.8	0.0	1.1	
G134.0	0.0	0.5	0.0	0.1	0.0	0.5	0.9	0.0	0.0	
G135.0	0.0	0.3	0.0	0.4	1.1	0.0	0.9	0.0	0.0	
G136.0	1.2	0.1	0.0	0.6	0.0	0.5	0.7	0.0	1.2	
G137.0	0.0	0.0	0.0	0.8	1.0	0.4	0.0	0.0	0.0	
G138.0	0.0	0.0	0.0	1.0	0.8	0.0	0.7	0.0	0.0	
G139.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	
G140.0	1.7	0.0	0.0	0.0	0.0	0.2	0.5	0.0	1.7	
G141.0	1.8	0.0	0.0	1.4	0.0	0.0	0.4	0.0	1.8	
G142.0	2.0	0.0	0.0	0.0	1.2	0.0	0.3	0.0	2.0	
G143.0	0.0	0.4	0.2	1.6	1.2	0.0	0.0	0.0	0.0	
G144.0	2.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.2	
G145.0	2.3	0.0	0.7	0.0	1.4	0.0	0.0	0.0	2.3	
G146.0	2.5	1.5	0.9	0.0	0.0	0.0	0.0	0.0	2.5	
G147.0	0.0	0.0	0.0	0.0	1.6	0.0	0.3	0.6	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 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	2.8	0.0	1.4	0.0	1.7	0.0	0.7	0.8	2.8	
G149.0	0.0	0.0	0.0	0.0	0.0	0.6	0.9	1.0	0.0	
G150.0	0.0	2.8	1.9	0.0	0.0	0.8	0.0	1.3	0.0	
G151.0	3.2	0.0	2.1	0.0	0.0	0.0	1.7	1.6	3.2	
G152.0	3.3	0.0	2.3	0.0	0.0	0.0	0.0	1.7	3.3	
G153.0	0.0	3.6	0.0	1.8	0.0	1.8	0.0	0.3	0.0	
G154.0	0.3	0.0	2.9	1.8	0.0	0.0	0.0	0.1	0.3	
G155.0	3.7	3.9	3.1	0.6	2.9	2.3	0.0	0.4	3.7	
G156.0	3.7	0.0	3.2	1.0	0.0	0.0	0.0	2.6	3.7	
G157.0	3.8	4.2	3.5	1.5	3.2	2.9	3.3	2.6	3.8	
G158.0	3.8	4.2	3.8	1.7	3.2	0.0	3.5	0.5	3.8	
G159.0	1.5	0.6	0.1	1.6	3.5	0.0	0.0	3.1	1.5	
G160.0	1.7	1.0	4.1	1.6	3.7	3.5	3.8	3.3	1.7	
G161.0	3.8	4.1	0.5	3.0	3.6	0.0	0.0	0.6	3.8	
G162.0	3.8	4.1	0.4	3.3	0.0	3.8	0.0	0.6	3.8	
G163.0	2.4	3.9	0.7	1.5	4.0	0.0	0.0	3.7	2.4	
G164.0	2.4	3.7	4.8	3.8	4.0	3.9	3.9	3.8	2.4	
G165.0	3.7	3.5	0.8	4.2	0.0	0.0	0.4	3.8	3.7	
G166.0	3.6	3.0	0.9	1.3	4.2	4.3	3.7	3.9	3.6	
G167.0	3.3	3.3	5.1	1.1	4.3	4.3	3.6	0.7	3.3	
G168.0	3.4	2.8	1.0	4.9	0.2	4.3	3.4	0.7	3.4	
G169.0	3.4	2.6	1.1	1.2	0.3	4.4	3.2	4.1	3.4	
G170.0	3.1	4.1	1.2	1.2	4.3	0.2	1.7	0.8	3.1	
G171.0	3.7	4.3	1.1	5.2	0.5	4.4	2.8	0.8	3.7	
G172.0	2.8	1.8	1.1	1.0	4.3	4.4	2.6	0.6	2.8	
G173.0	2.7	1.6	5.4	1.0	0.8	4.3	2.3	4.3	2.7	
G174.0	2.5	1.4	5.3	5.3	0.9	4.3	2.1	0.8	2.5	
G175.0	4.0	4.9	1.1	5.2	0.9	4.2	1.9	0.8	4.0	
G176.0	2.1	1.1	1.1	5.2	1.3	1.0	3.8	4.4	2.1	
G177.0	1.8	5.0	1.0	4.9	1.5	1.2	4.1	1.0	1.8	
G178.0	4.5	5.0	1.0	1.3	1.9	3.8	1.1	0.9	4.5	
G179.0	5.0	3.9	5.1	2.1	3.3	3.5	0.9	1.2	5.0	
G180.0	4.3	4.4	5.0	1.5	2.4	2.5	1.1	4.5	4.3	

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: