

Report No.:

Test Time: 2020-08-28 18:47

## Luminaire Property

Luminaire Manufacturer:

Luminaire Description: MS-MR16-3B

Current: 0.261 A

Power Factor: 0.761

Voltage: 11.8 V

Power: 2.30 W

## Photometric Results

CIE Class: Direct

Measurement Flux: 214.1 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%,75%,100%): H76.3,H38.7,H25.1,H0

Vertical Diffuse Angle(10%,50%,75%,100%): V74.7,V39.4,V26.2,V4

Luminaire Efficacy Rating (LER): 93

Max. Intensity: 373.27 cd

Total Rated Lamp Lumens: 214.1 lm

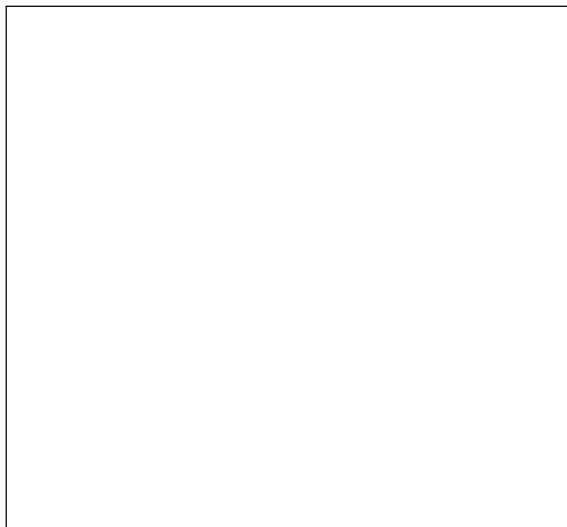
Efficiency: 100%

Upward Ratio: 1%

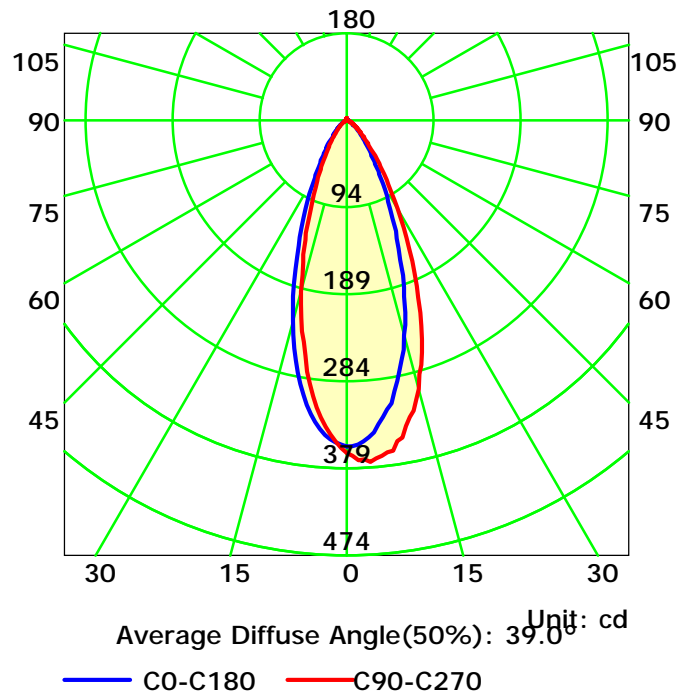
Central Intensity: 355.45 cd

Pos of Max. Intensity: H90 V4

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

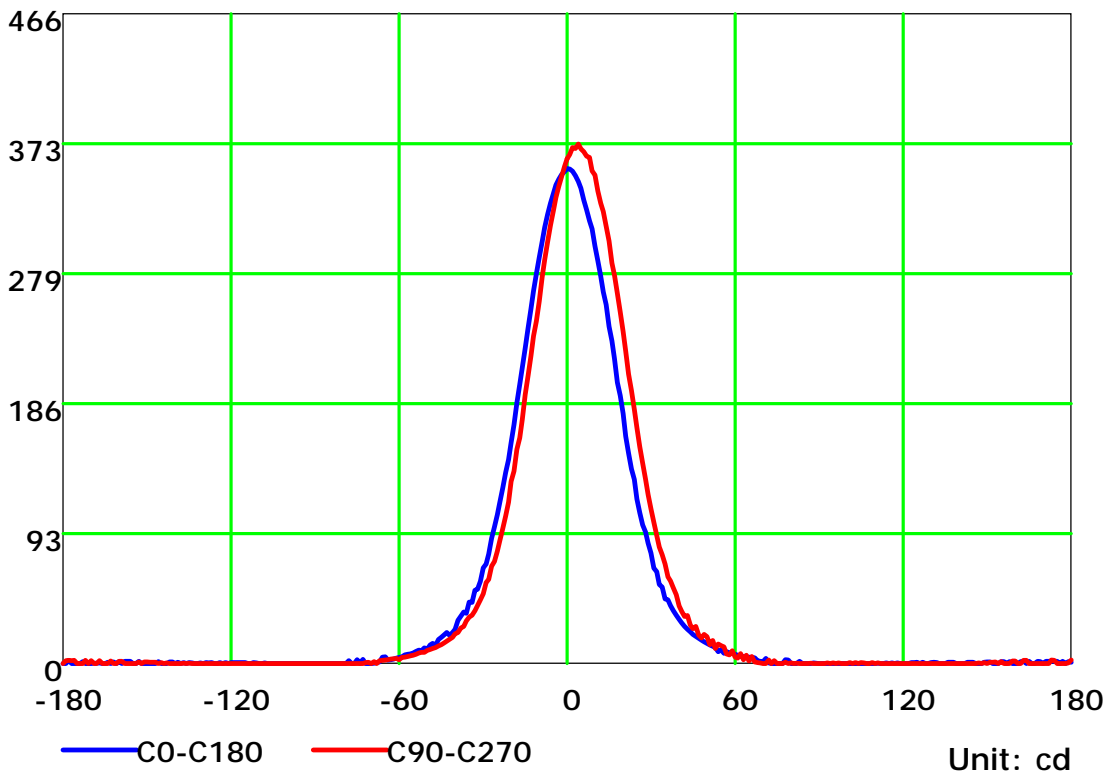
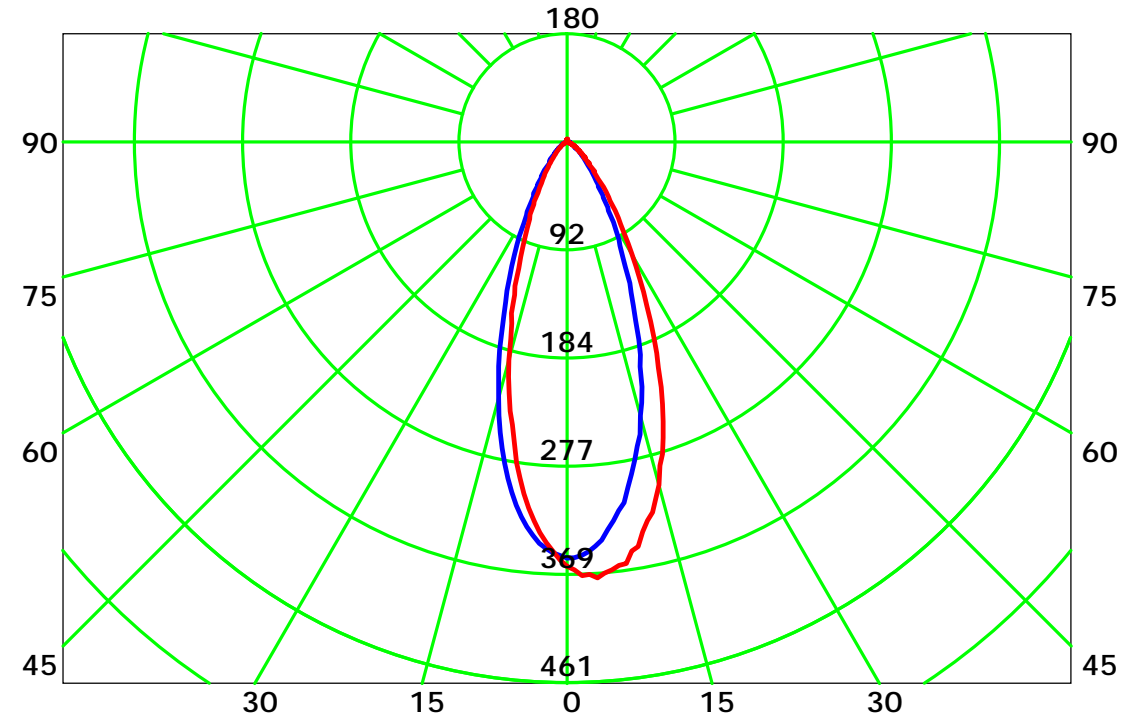
Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

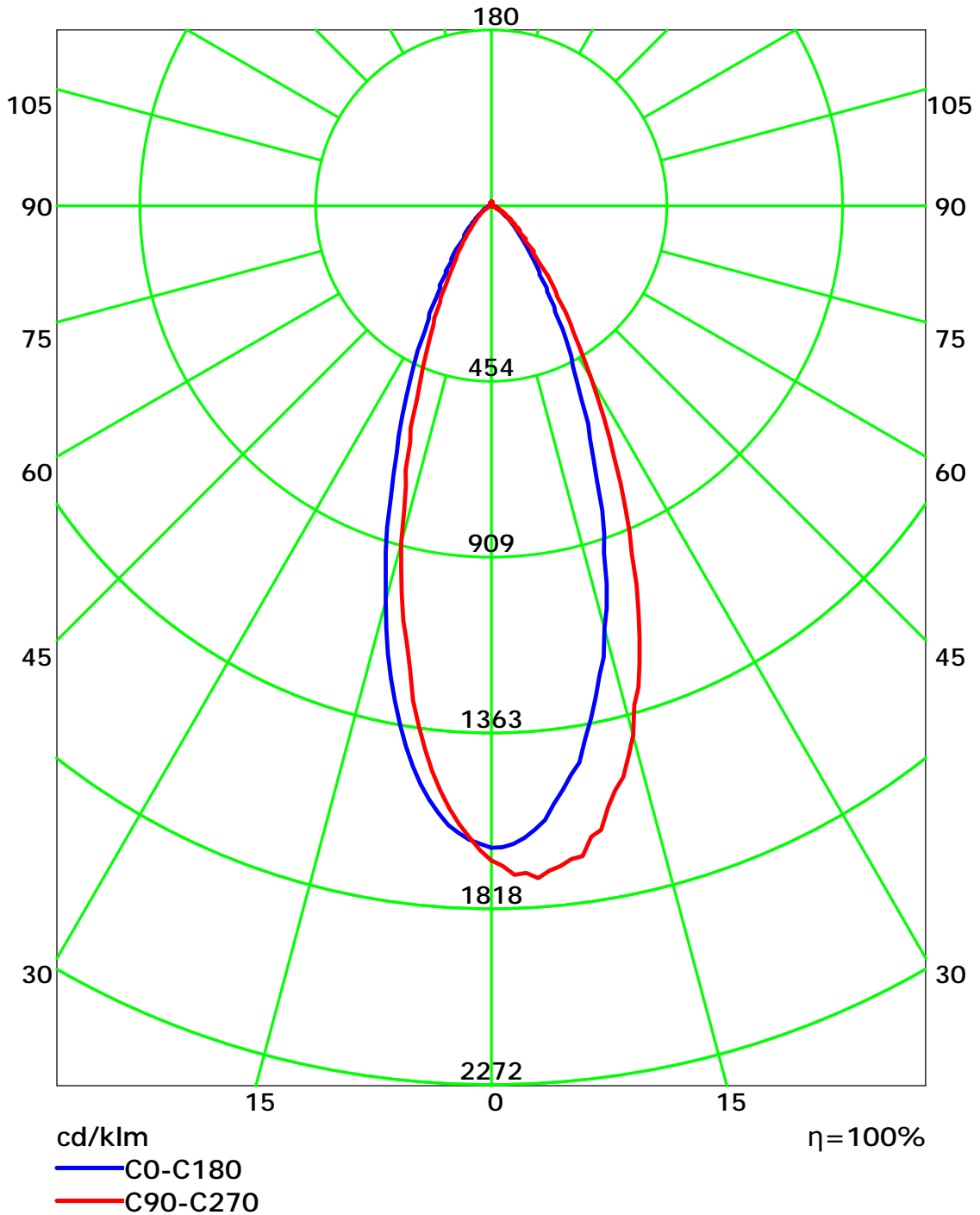
## Luminous Intensity Distribution Curve



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)



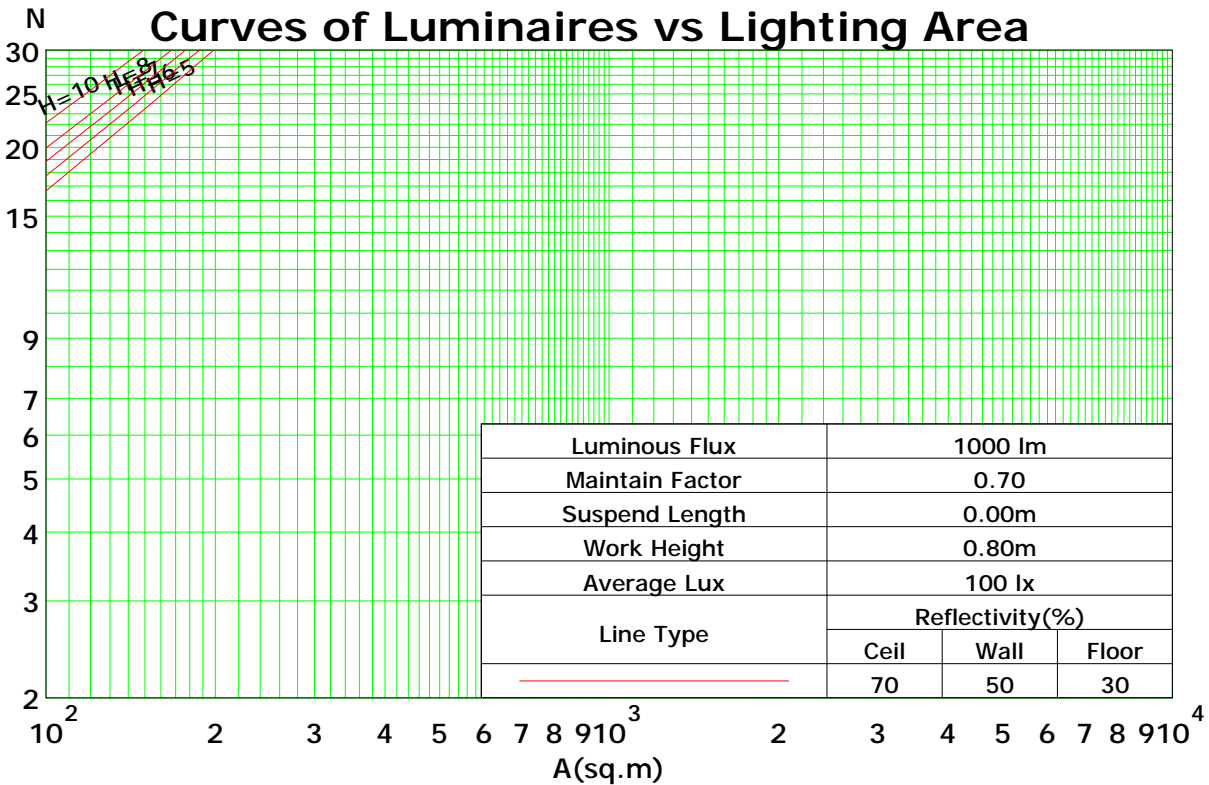
C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

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	113	110	108	106	111	108	106	104	104	102	100	100	99	97	97	95	94	93
2	107	103	98	95	105	101	97	94	97	94	92	94	92	90	91	89	88	86
3	102	96	91	87	100	94	89	86	91	87	84	89	86	83	86	84	82	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70
6	88	79	73	69	86	78	73	69	77	72	68	75	71	67	74	70	67	66
7	84	75	69	64	82	74	68	64	73	68	64	71	67	63	70	66	63	62
8	80	71	65	61	79	70	64	61	69	64	60	68	63	60	67	63	60	58
9	76	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	52

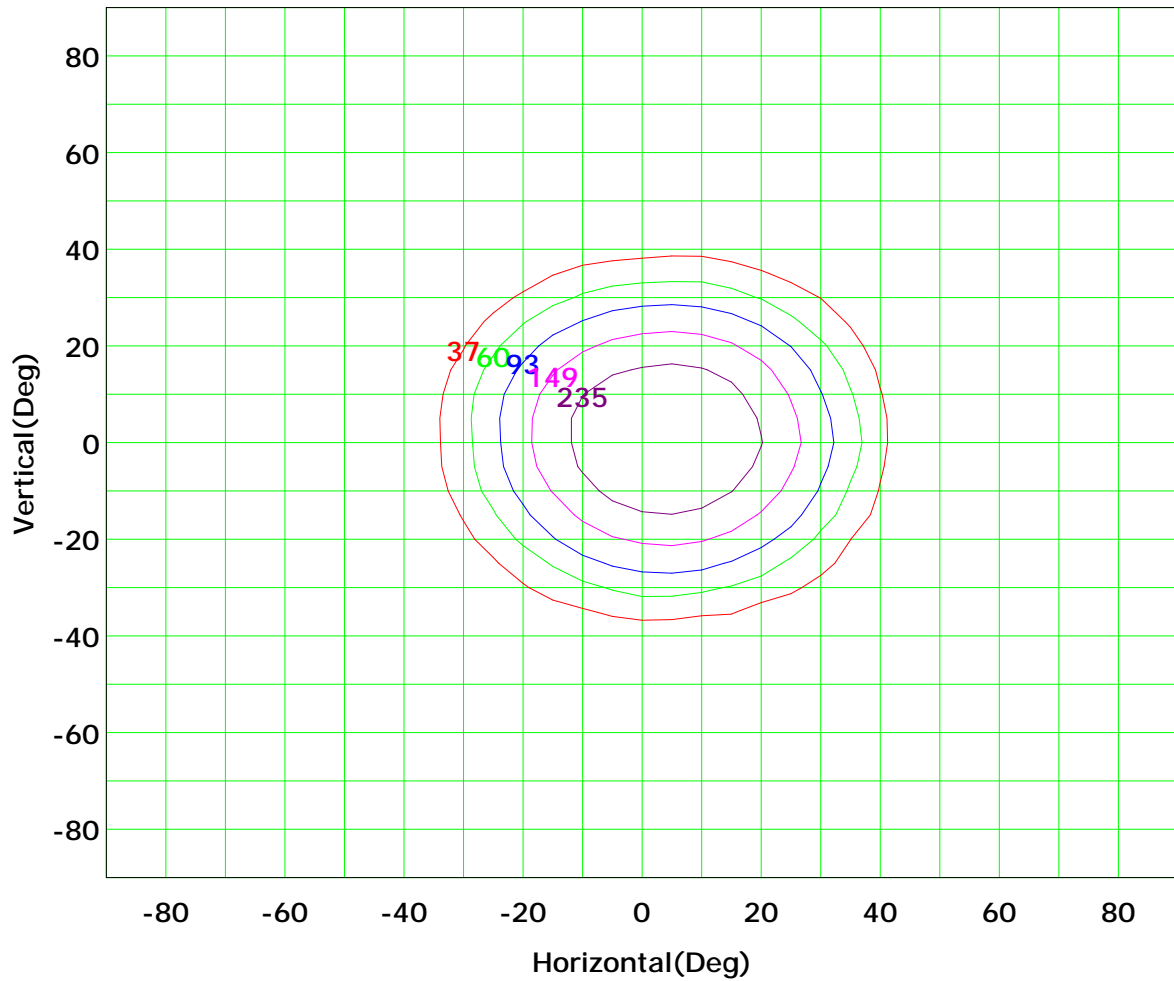
Spacing Criteria (0-180): 0.62  
 Spacing Criteria (90-270): 0.65  
 Spacing Criteria (Diagonal): 0.66



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

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

## Isocandela (rectangle)



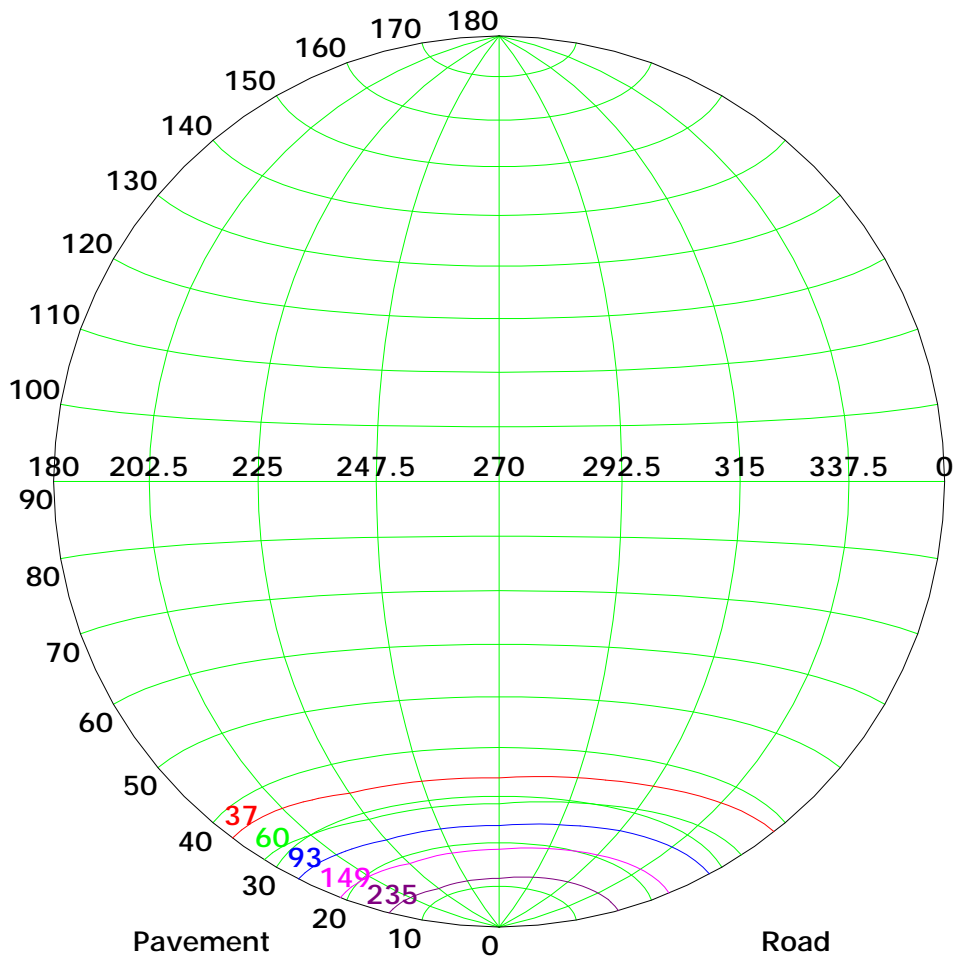
Imax (100%): 373 cd

— ( 10%):	37 cd	— ( 16%):	60 cd
— ( 25%):	93 cd	— ( 40%):	149 cd
— ( 63%):	235 cd	— (100%):	373 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)



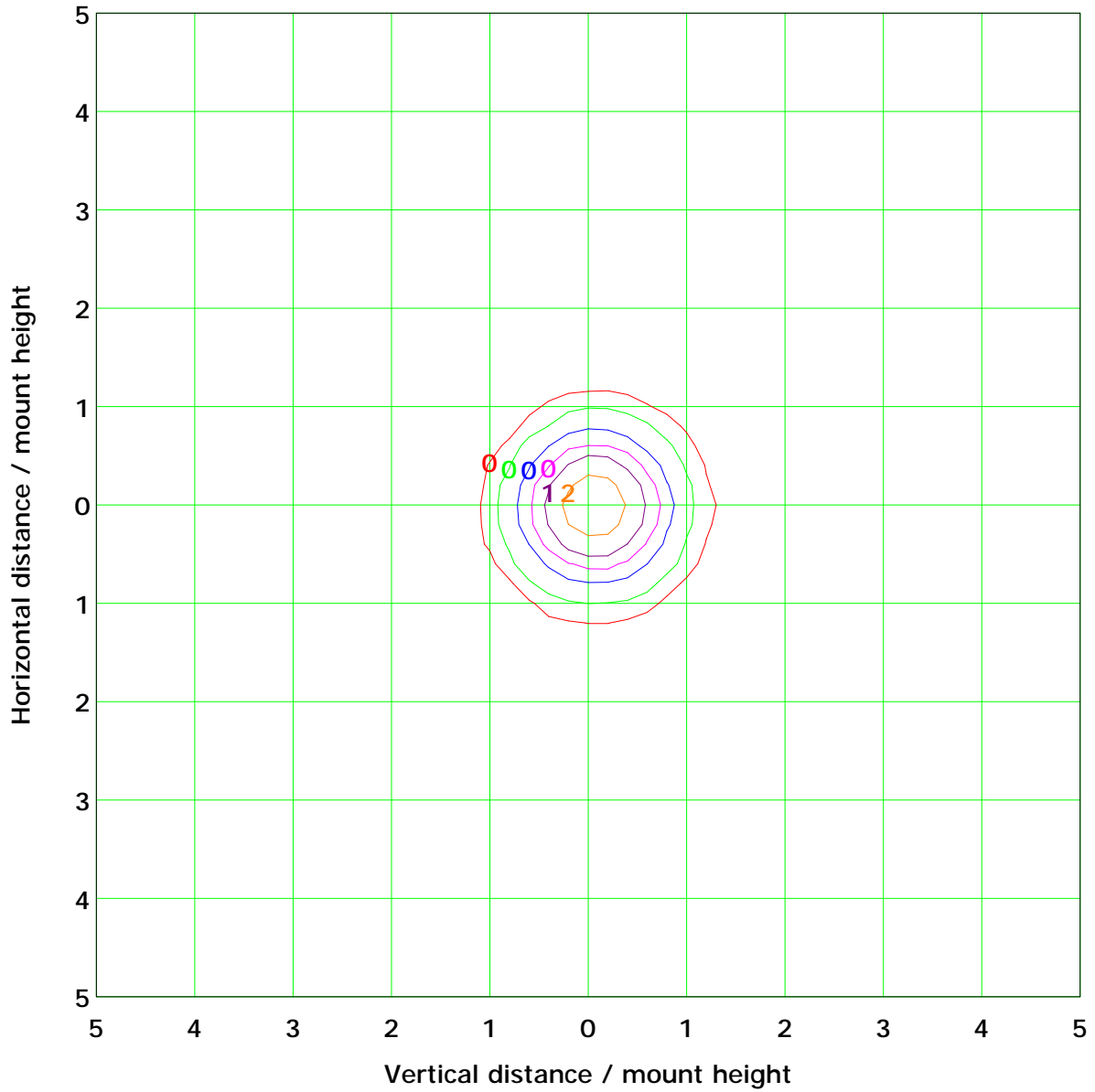
Imax (100%): 373 cd

— ( 10%):	37 cd	— ( 16%):	60 cd
— ( 25%):	93 cd	— ( 40%):	149 cd
— ( 63%):	235 cd	— (100%):	373 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



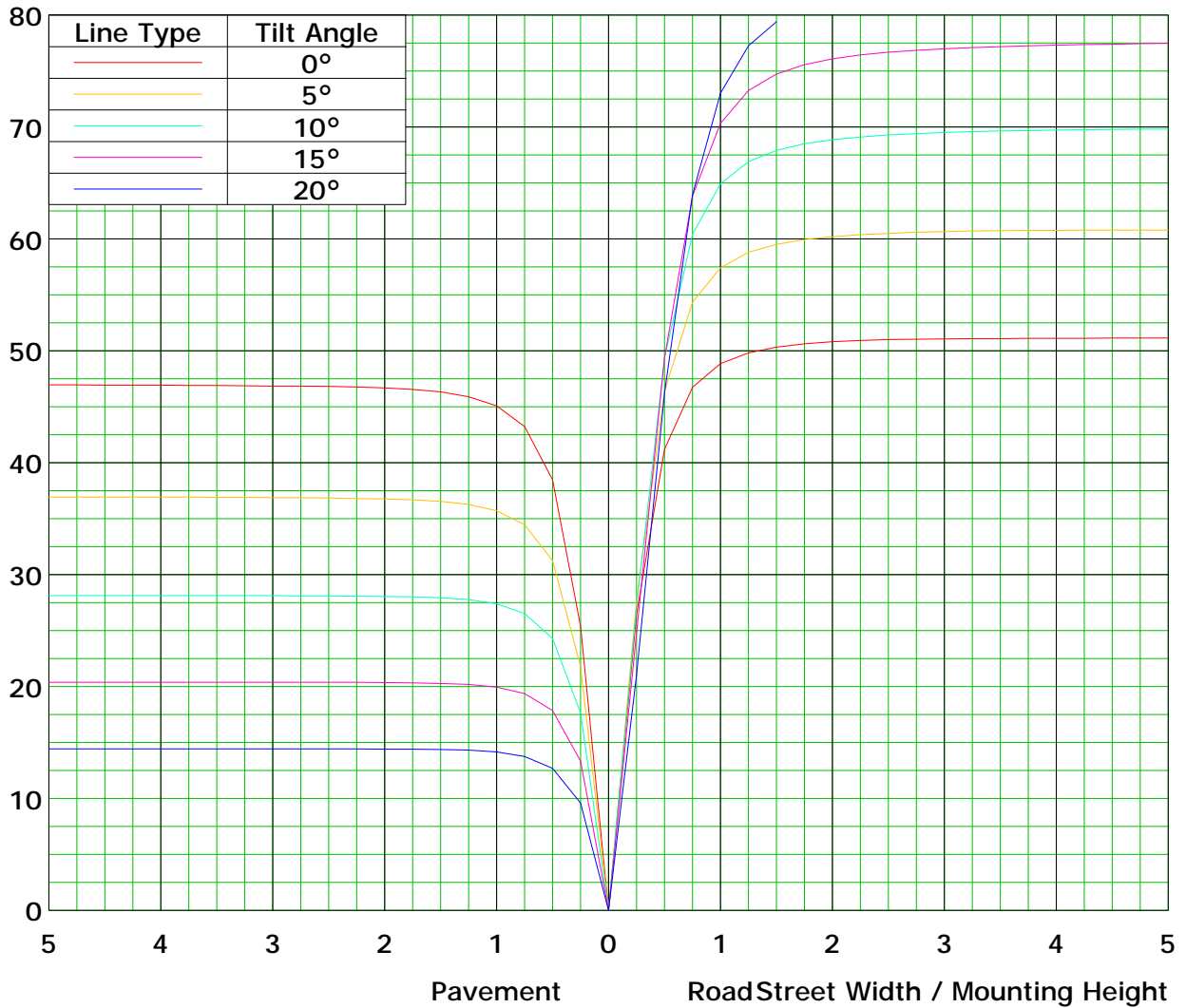
Mounting Height: 10.0m		Max Lux(100%): 3.7 lx	
— ( 1%):	0.0 lx	— ( 2%):	0.1 lx
— ( 5%):	0.2 lx	— (10%):	0.4 lx
— (20%):	0.7 lx	— (50%):	1.9 lx
— (100%):	3.7 lx		

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:

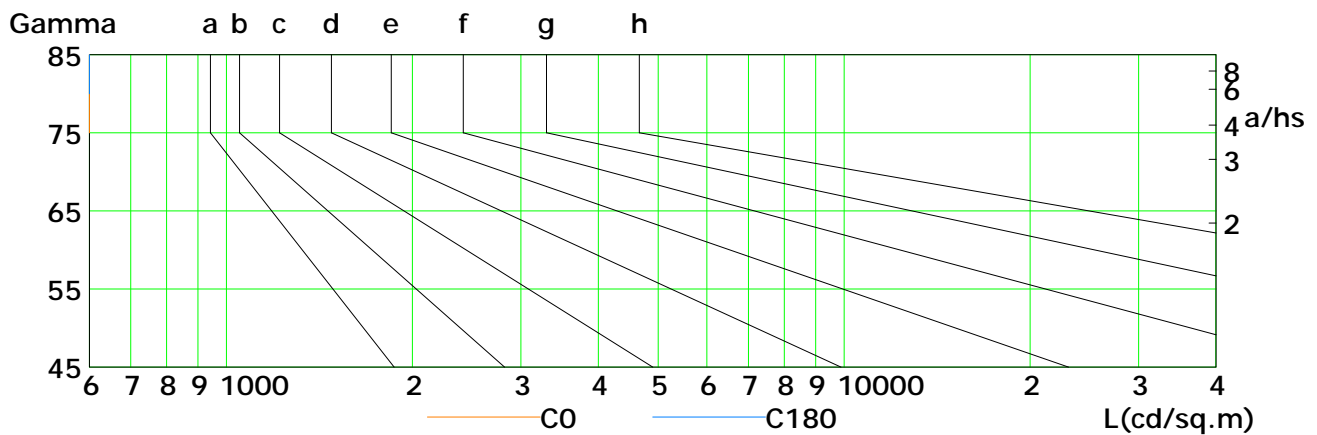
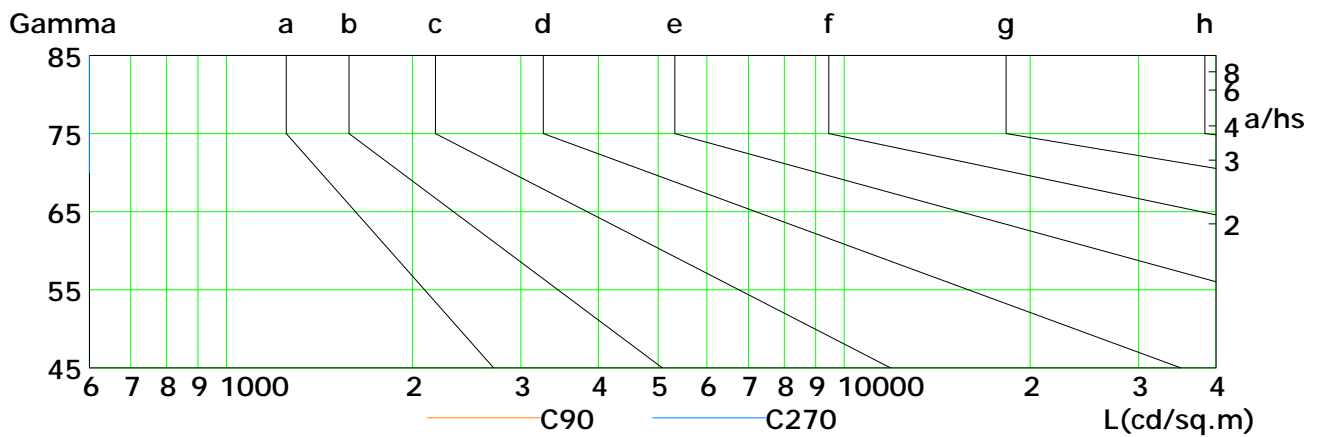
Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:



### 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

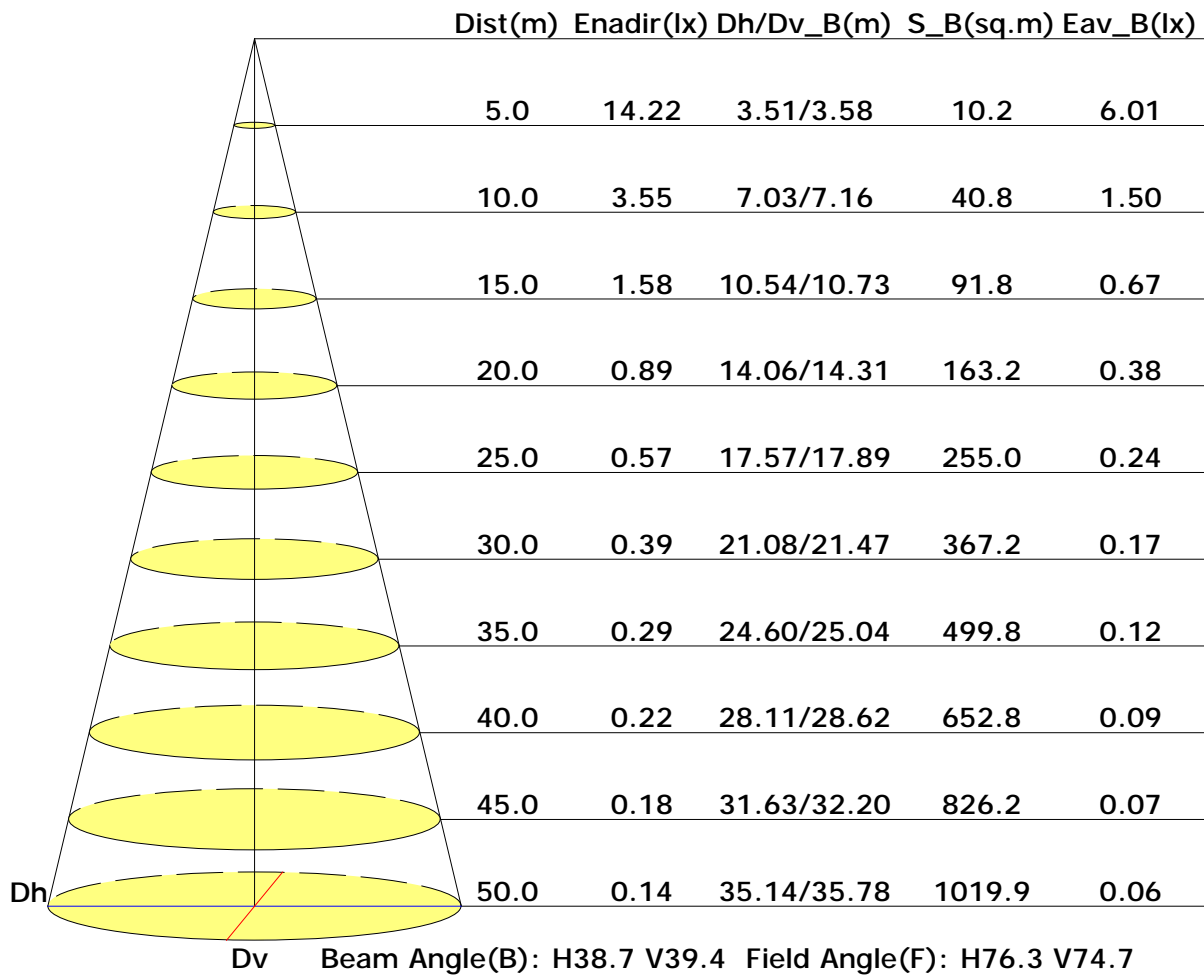


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	21	15	10	7	5	1	0	0	0
C90	25	19	13	5	2	0	0	1	0
C180	19	11	8	4	5	0	3	0	0
C270	14	10	6	3	3	0	0	0	0

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:

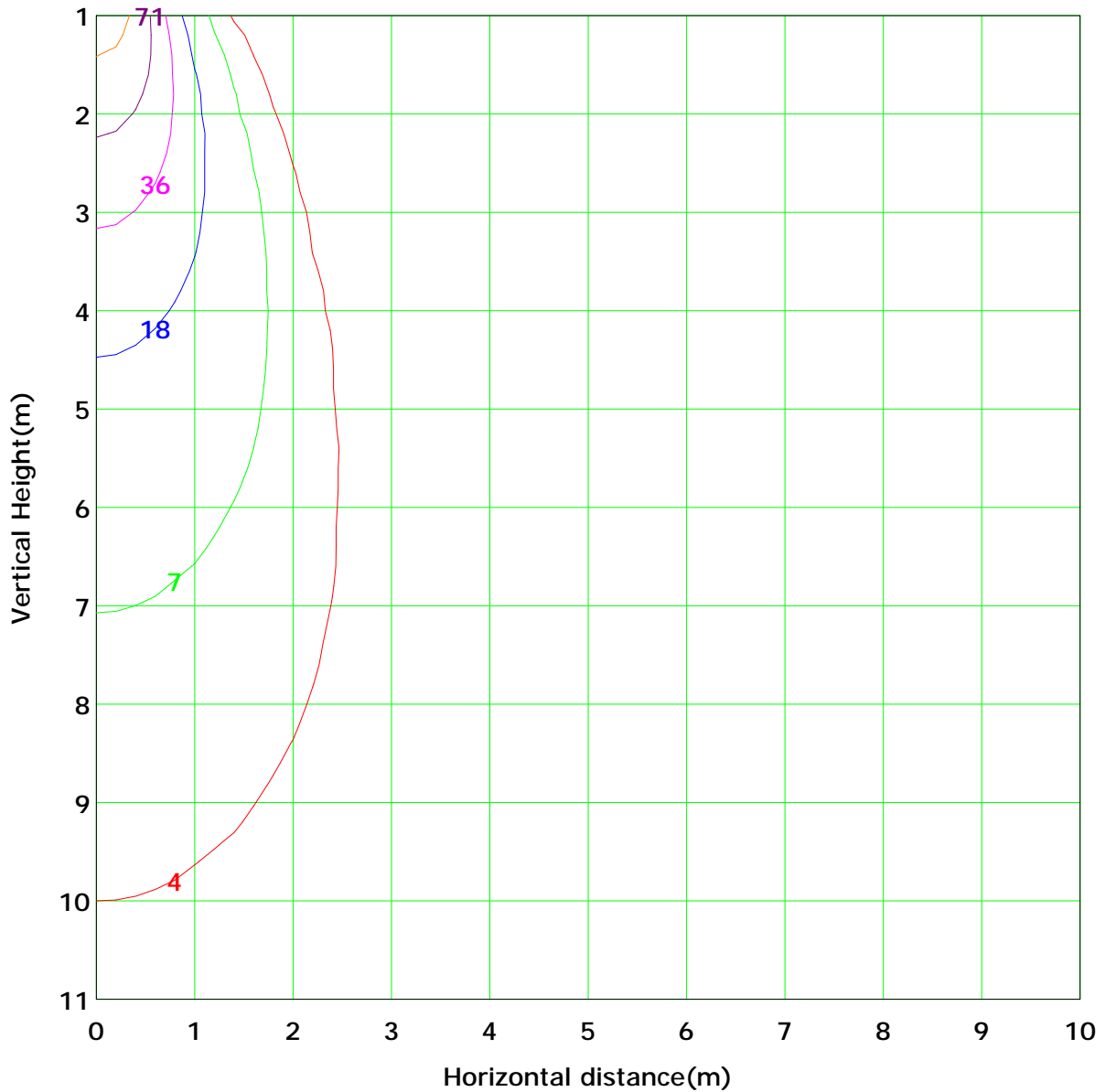
## Illuminance at a Distance



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: 355.5 lx
( 1%): 3.6 lx	( 2%): 7.1 lx	
( 5%): 17.8 lx	( 10%): 35.5 lx	
( 20%): 71.1 lx	( 50%): 177.7 lx	
(100%): 355.5 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:

**Area Flux Table**

Unit: lx

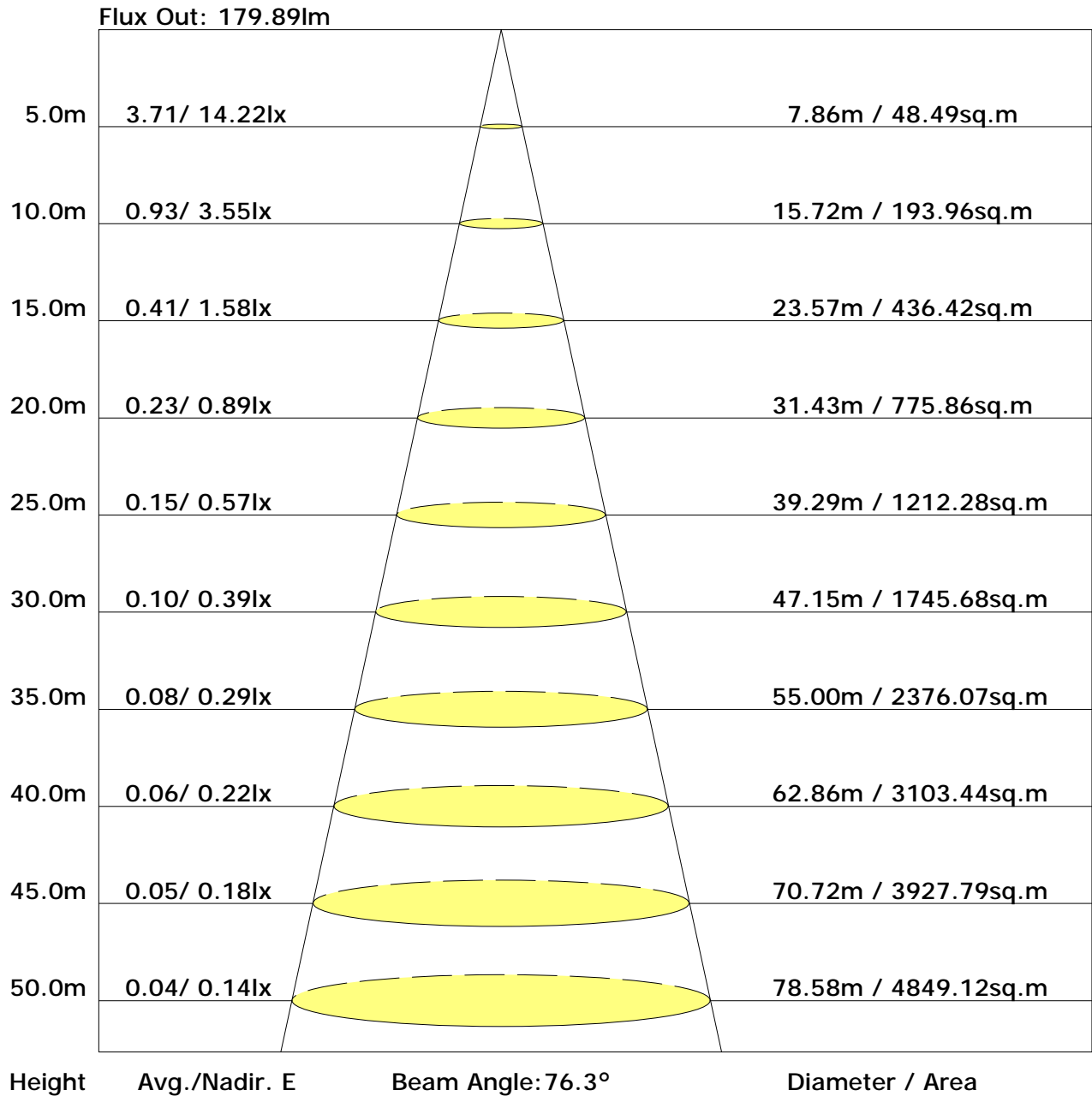
Vertical plane	-90.0	-80.0	-70.0	-60.0	-50.0	-40.0	-30.0	-20.0	-10.0	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	ΦE	
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70.0	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
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
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
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
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
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
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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
-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
-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
-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
-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
-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
-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
-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
-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
ΦE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.1	0.1	0.5	1.4	2.9	5.9	12.7	25.5	39.8	45.0	37.2	22.2	10.7	4.9	2.3	0.9	0.3	0.1	212		
ΦE	0.0	0.0	0.0	0.0	0.0	1.1	9.9	23.6	38.1	43.3	35.4	20.1	7.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	179

Horizontal plane

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

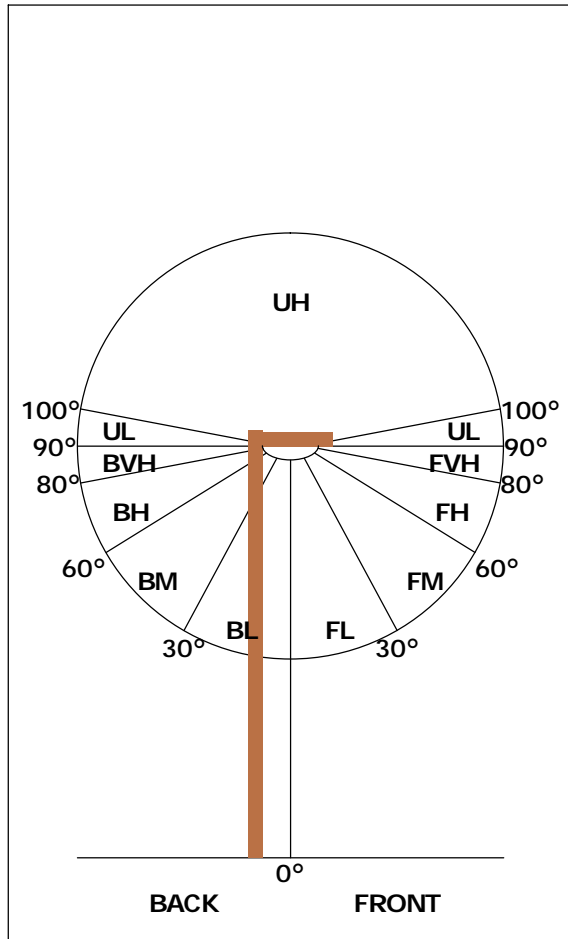
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
3H	1.\$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



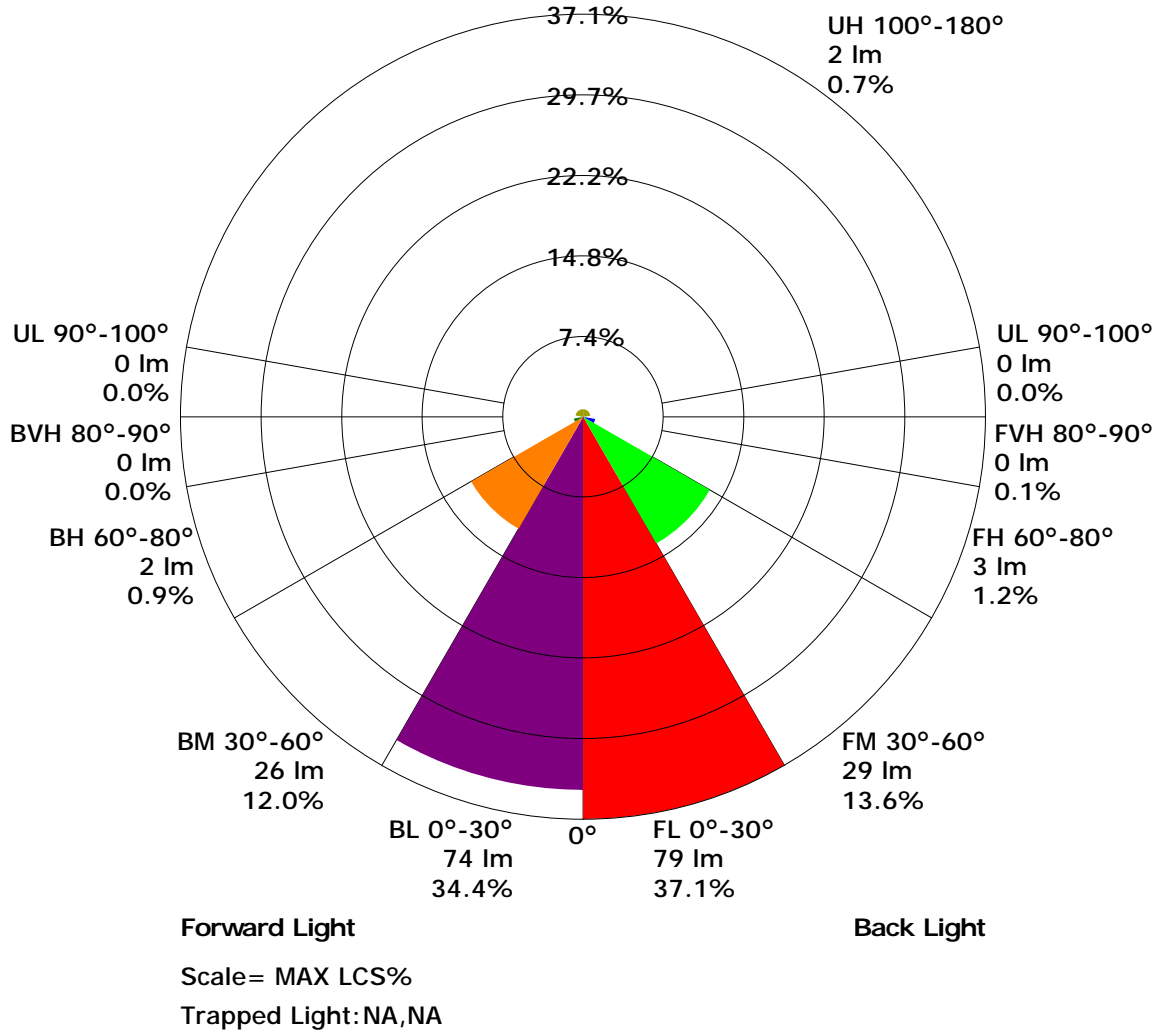
ZONE	LUMENS	% LAMP LUMENS
<b>FORWARD LIGHT</b>	<b>111</b>	<b>51.9</b>
FL ( 0°-30°)	79	37.1
FM (30°-60°)	29	13.6
FH (60°-80°)	3	1.2
FVH (80°-90°)	0	0.1
<b>BACK LIGHT</b>	<b>101</b>	<b>47.3</b>
BL ( 0°-30°)	74	34.4
BM (30°-60°)	26	12.0
BH (60°-80°)	2	0.9
BVH (80°-90°)	0	0.0
<b>UP LIGHT</b>	<b>2</b>	<b>0.8</b>
UL (90°-100°)	0	0.0
UH (100°-180°)	2	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)	B0 U1 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B0 U1 G0

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

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

### LCS Graph



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

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



## Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 0.75									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.83	0.90	0.94	0.98	1.02	1.05	1.07	1.09	1.11	
	0.30		0.78	0.85	0.90	0.94	0.98	1.02	1.04	1.07	1.09	
	0.20		0.75	0.82	0.87	0.90	0.95	0.99	1.01	1.05	1.07	
0.50	0.50	0.20	0.82	0.88	0.92	0.95	0.99	1.01	1.03	1.05	1.07	
	0.30		0.77	0.84	0.89	0.92	0.96	0.99	1.01	1.03	1.05	
	0.20		0.74	0.81	0.86	0.89	0.94	0.97	0.99	1.02	1.04	
0.30	0.50	0.20	0.81	0.86	0.90	0.93	0.96	0.98	1.00	1.02	1.03	
	0.30		0.77	0.83	0.87	0.90	0.94	0.96	0.98	1.00	1.02	
	0.20		0.74	0.80	0.85	0.88	0.92	0.94	0.96	0.99	1.00	
0.00	0.00	0.00	0.72	0.78	0.82	0.85	0.89	0.91	0.92	0.94	0.96	
<p>Rating:2W Photometrically tested without ceiling board.            Multiply UF values by service correction factors            Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

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

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

## Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 0.75									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.61	0.50	0.42	0.36	0.28	0.23	0.20	0.15	0.12	
	0.30		0.51	0.42	0.36	0.32	0.26	0.21	0.18	0.14	0.12	
	0.20		0.44	0.37	0.32	0.28	0.23	0.20	0.17	0.14	0.11	
0.50	0.50	0.20	0.58	0.47	0.39	0.34	0.26	0.26	0.18	0.14	0.11	
	0.30		0.49	0.41	0.35	0.30	0.24	0.20	0.17	0.13	0.11	
	0.20		0.43	0.36	0.31	0.27	0.22	0.19	0.16	0.13	0.10	
0.30	0.50	0.20	0.56	0.44	0.37	0.31	0.24	0.20	0.17	0.13	0.10	
	0.30		0.48	0.39	0.33	0.28	0.23	0.19	0.16	0.12	0.10	
	0.20		0.42	0.35	0.30	0.26	0.21	0.17	0.15	0.12	0.10	
0.00	0.00	0.00	0.28	0.22	0.19	0.16	0.12	0.10	0.08	0.06	0.05	
<p>Rating:2W Photometrically tested without ceiling board.            Multiply UF values by service correction factors            Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

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

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

## Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 0.75									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.14	0.15	0.17	0.17	0.19	0.20	0.20	0.21	0.22	
	0.30		0.10	0.11	0.13	0.14	0.16	0.17	0.18	0.19	0.20	
	0.20		0.07	0.08	0.10	0.12	0.14	0.15	0.16	0.18	0.19	
0.50	0.50	0.20	0.13	0.15	0.16	0.17	0.18	0.19	0.19	0.20	0.21	
	0.30		0.09	0.11	0.13	0.14	0.15	0.17	0.17	0.19	0.19	
	0.20		0.06	0.08	0.10	0.11	0.13	0.15	0.16	0.17	0.18	
0.30	0.50	0.20	0.13	0.14	0.15	0.16	0.17	0.18	0.19	0.19	0.20	
	0.30		0.09	0.11	0.12	0.13	0.15	0.16	0.17	0.18	0.19	
	0.20		0.06	0.08	0.10	0.11	0.13	0.14	0.15	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:2W Photometrically tested without ceiling board.            Multiply UF values by service correction factors            Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

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

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

## Zonal Lumen

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	359.2	0.3	0.3	0.16	0.16
1.0-2.0	358.5	1.0	1.4	0.48	0.64
2.0-3.0	355.8	1.7	3.1	0.79	1.44
3.0-4.0	352.3	2.4	5.4	1.10	2.54
4.0-5.0	347.6	3.0	8.4	1.40	3.93
5.0-6.0	340.8	3.6	12.0	1.67	5.61
6.0-7.0	333.3	4.1	16.1	1.93	7.54
7.0-8.0	325.9	4.7	20.8	2.18	9.72
8.0-9.0	317.5	5.1	26.0	2.40	12.12
9.0-10.0	307.3	5.6	31.5	2.60	14.72
10.0-11.0	296.4	5.9	37.4	2.77	17.48
11.0-12.0	284.9	6.2	43.7	2.91	20.39
12.0-13.0	273.2	6.5	50.2	3.03	23.42
13.0-14.0	261.6	6.7	56.8	3.13	26.55
14.0-15.0	248.8	6.8	63.7	3.19	29.74
15.0-16.0	234.9	6.9	70.6	3.21	32.95
16.0-17.0	221.6	6.9	77.5	3.22	36.18
17.0-18.0	208.9	6.9	84.4	3.22	39.39
18.0-19.0	195.8	6.8	91.2	3.18	42.58
19.0-20.0	183.5	6.7	97.9	3.14	45.71
20.0-21.0	171.1	6.6	104.5	3.07	48.78
21.0-22.0	158.0	6.4	110.8	2.97	51.75
22.0-23.0	146.2	6.1	116.9	2.87	54.61
23.0-24.0	135.9	5.9	122.9	2.78	57.39
24.0-25.0	125.5	5.7	128.6	2.67	60.05
25.0-26.0	115.1	5.4	134.0	2.54	62.59
26.0-27.0	105.8	5.2	139.2	2.42	65.01
27.0-28.0	96.8	4.9	144.1	2.29	67.30
28.0-29.0	88.3	4.6	148.7	2.16	69.45
29.0-30.0	80.9	4.4	153.1	2.04	71.49
30.0-31.0	73.6	4.1	157.2	1.91	73.41
31.0-32.0	67.1	3.8	161.0	1.79	75.20
32.0-33.0	61.4	3.6	164.6	1.69	76.89
33.0-34.0	55.5	3.4	168.0	1.57	78.46
34.0-35.0	50.4	3.1	171.1	1.46	79.92
35.0-36.0	46.3	2.9	174.1	1.38	81.30

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	42.7	2.8	176.9	1.30	82.60
37.0-38.0	39.3	2.6	179.5	1.22	83.82
38.0-39.0	35.4	2.4	181.9	1.13	84.95
39.0-40.0	32.0	2.2	184.1	1.04	86.00
40.0-41.0	29.2	2.1	186.2	0.97	86.97
41.0-42.0	26.6	1.9	188.2	0.90	87.87
42.0-43.0	24.3	1.8	190.0	0.84	88.71
43.0-44.0	22.2	1.7	191.6	0.78	89.49
44.0-45.0	20.5	1.6	193.2	0.74	90.23
45.0-46.0	19.1	1.5	194.7	0.70	90.93
46.0-47.0	17.6	1.4	196.1	0.65	91.58
47.0-48.0	15.9	1.3	197.4	0.60	92.18
48.0-49.0	14.4	1.2	198.6	0.55	92.74
49.0-50.0	13.9	1.2	199.7	0.54	93.28
50.0-51.0	12.8	1.1	200.8	0.51	93.78
51.0-52.0	11.8	1.0	201.8	0.47	94.26
52.0-53.0	11.1	1.0	202.8	0.45	94.71
53.0-54.0	10.0	0.9	203.7	0.41	95.12
54.0-55.0	9.1	0.8	204.5	0.38	95.49
55.0-56.0	8.5	0.8	205.2	0.36	95.85
56.0-57.0	7.4	0.7	205.9	0.32	96.17
57.0-58.0	6.5	0.6	206.5	0.28	96.45
58.0-59.0	6.5	0.6	207.1	0.29	96.74
59.0-60.0	6.1	0.6	207.7	0.27	97.01
60.0-61.0	5.3	0.5	208.2	0.24	97.24
61.0-62.0	5.2	0.5	208.7	0.23	97.48
62.0-63.0	4.7	0.5	209.2	0.21	97.69
63.0-64.0	4.0	0.4	209.6	0.18	97.87
64.0-65.0	3.7	0.4	209.9	0.17	98.04
65.0-66.0	3.2	0.3	210.3	0.15	98.19
66.0-67.0	3.1	0.3	210.6	0.14	98.34
67.0-68.0	2.8	0.3	210.8	0.13	98.47
68.0-69.0	2.2	0.2	211.1	0.10	98.57
69.0-70.0	1.9	0.2	211.3	0.09	98.66
70.0-71.0	1.3	0.1	211.4	0.06	98.72
71.0-72.0	1.1	0.1	211.5	0.05	98.78

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	1.2	0.1	211.6	0.06	98.84
73.0-74.0	0.8	0.1	211.7	0.04	98.87
74.0-75.0	1.0	0.1	211.8	0.05	98.93
75.0-76.0	0.9	0.1	211.9	0.04	98.97
76.0-77.0	0.6	0.1	212.0	0.03	99.00
77.0-78.0	0.9	0.1	212.1	0.05	99.05
78.0-79.0	0.8	0.1	212.2	0.04	99.09
79.0-80.0	0.4	0.0	212.2	0.02	99.10
80.0-81.0	0.4	0.0	212.2	0.02	99.12
81.0-82.0	0.5	0.1	212.3	0.02	99.14
82.0-83.0	0.4	0.0	212.3	0.02	99.17
83.0-84.0	0.2	0.0	212.4	0.01	99.18
84.0-85.0	0.1	0.0	212.4	0.01	99.18
85.0-86.0	0.1	0.0	212.4	0.01	99.19
86.0-87.0	0.1	0.0	212.4	0.01	99.20
87.0-88.0	0.2	0.0	212.4	0.01	99.21
88.0-89.0	0.2	0.0	212.5	0.01	99.22
89.0-90.0	0.2	0.0	212.5	0.01	99.23
90.0-91.0	0.1	0.0	212.5	0.00	99.23
91.0-92.0	0.1	0.0	212.5	0.00	99.23
92.0-93.0	0.2	0.0	212.5	0.01	99.24
93.0-94.0	0.1	0.0	212.5	0.00	99.25
94.0-95.0	0.0	0.0	212.5	0.00	99.25
95.0-96.0	0.1	0.0	212.5	0.01	99.25
96.0-97.0	0.2	0.0	212.6	0.01	99.26
97.0-98.0	0.1	0.0	212.6	0.00	99.27
98.0-99.0	0.0	0.0	212.6	0.00	99.27
99.0-100.0	0.1	0.0	212.6	0.00	99.27
100.0-101.0	0.1	0.0	212.6	0.01	99.28
101.0-102.0	0.1	0.0	212.6	0.00	99.28
102.0-103.0	0.2	0.0	212.6	0.01	99.29
103.0-104.0	0.2	0.0	212.6	0.01	99.30
104.0-105.0	0.2	0.0	212.6	0.01	99.31
105.0-106.0	0.2	0.0	212.7	0.01	99.32
106.0-107.0	0.2	0.0	212.7	0.01	99.33
107.0-108.0	0.2	0.0	212.7	0.01	99.34

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	0.3	0.0	212.7	0.01	99.35
109.0-110.0	0.3	0.0	212.8	0.01	99.36
110.0-111.0	0.2	0.0	212.8	0.01	99.37
111.0-112.0	0.3	0.0	212.8	0.01	99.39
112.0-113.0	0.3	0.0	212.8	0.01	99.40
113.0-114.0	0.2	0.0	212.9	0.01	99.41
114.0-115.0	0.2	0.0	212.9	0.01	99.42
115.0-116.0	0.3	0.0	212.9	0.01	99.43
116.0-117.0	0.3	0.0	212.9	0.01	99.45
117.0-118.0	0.3	0.0	213.0	0.01	99.46
118.0-119.0	0.2	0.0	213.0	0.01	99.47
119.0-120.0	0.2	0.0	213.0	0.01	99.48
120.0-121.0	0.2	0.0	213.0	0.01	99.48
121.0-122.0	0.1	0.0	213.0	0.01	99.49
122.0-123.0	0.2	0.0	213.1	0.01	99.50
123.0-124.0	0.2	0.0	213.1	0.01	99.51
124.0-125.0	0.2	0.0	213.1	0.01	99.51
125.0-126.0	0.1	0.0	213.1	0.00	99.52
126.0-127.0	0.1	0.0	213.1	0.01	99.52
127.0-128.0	0.2	0.0	213.1	0.01	99.53
128.0-129.0	0.1	0.0	213.1	0.00	99.53
129.0-130.0	0.1	0.0	213.1	0.00	99.54
130.0-131.0	0.2	0.0	213.2	0.01	99.54
131.0-132.0	0.1	0.0	213.2	0.01	99.55
132.0-133.0	0.1	0.0	213.2	0.00	99.55
133.0-134.0	0.1	0.0	213.2	0.00	99.55
134.0-135.0	0.1	0.0	213.2	0.00	99.56
135.0-136.0	0.1	0.0	213.2	0.00	99.56
136.0-137.0	0.2	0.0	213.2	0.01	99.57
137.0-138.0	0.2	0.0	213.2	0.01	99.58
138.0-139.0	0.2	0.0	213.2	0.01	99.58
139.0-140.0	0.2	0.0	213.2	0.01	99.59
140.0-141.0	0.2	0.0	213.3	0.01	99.59
141.0-142.0	0.3	0.0	213.3	0.01	99.60
142.0-143.0	0.3	0.0	213.3	0.01	99.61
143.0-144.0	0.3	0.0	213.3	0.01	99.62

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

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

### Zonal Lumen (Continue 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	0.3	0.0	213.3	0.01	99.63
145.0-146.0	0.3	0.0	213.4	0.01	99.64
146.0-147.0	0.3	0.0	213.4	0.01	99.65
147.0-148.0	0.4	0.0	213.4	0.01	99.66
148.0-149.0	0.4	0.0	213.4	0.01	99.67
149.0-150.0	0.5	0.0	213.5	0.01	99.68
150.0-151.0	0.7	0.0	213.5	0.02	99.70
151.0-152.0	0.8	0.0	213.5	0.02	99.72
152.0-153.0	1.0	0.1	213.6	0.02	99.74
153.0-154.0	0.8	0.0	213.6	0.02	99.76
154.0-155.0	0.3	0.0	213.6	0.01	99.77
155.0-156.0	0.7	0.0	213.7	0.01	99.78
156.0-157.0	1.0	0.0	213.7	0.02	99.80
157.0-158.0	0.8	0.0	213.7	0.02	99.82
158.0-159.0	0.8	0.0	213.8	0.02	99.83
159.0-160.0	0.9	0.0	213.8	0.02	99.85
160.0-161.0	0.8	0.0	213.8	0.01	99.86
161.0-162.0	0.8	0.0	213.9	0.01	99.88
162.0-163.0	1.1	0.0	213.9	0.02	99.89
163.0-164.0	1.2	0.0	213.9	0.02	99.91
164.0-165.0	1.0	0.0	214.0	0.01	99.92
165.0-166.0	0.5	0.0	214.0	0.01	99.93
166.0-167.0	0.6	0.0	214.0	0.01	99.94
167.0-168.0	1.1	0.0	214.0	0.01	99.95
168.0-169.0	1.0	0.0	214.0	0.01	99.96
169.0-170.0	0.7	0.0	214.1	0.01	99.97
170.0-171.0	0.6	0.0	214.1	0.00	99.97
171.0-172.0	0.5	0.0	214.1	0.00	99.98
172.0-173.0	0.9	0.0	214.1	0.01	99.98
173.0-174.0	1.1	0.0	214.1	0.01	99.99
174.0-175.0	0.7	0.0	214.1	0.00	99.99
175.0-176.0	0.4	0.0	214.1	0.00	99.99
176.0-177.0	0.7	0.0	214.1	0.00	100.00
177.0-178.0	1.1	0.0	214.1	0.00	100.00
178.0-179.0	1.0	0.0	214.1	0.00	100.00
179.0-180.0	1.1	0.0	214.1	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	355.5	356.5	362.5	361.5	355.5	356.5	362.5	361.5	355.5	
G1.0	355.2	362.4	365.6	367.7	353.4	354.5	357.1	358.5	355.2	
G2.0	353.5	364.4	370.6	364.4	351.2	348.6	350.0	358.4	353.5	
G3.0	350.5	365.6	369.9	367.3	347.8	339.5	342.8	348.9	350.5	
G4.0	346.3	365.5	373.3	365.2	343.8	333.3	334.7	342.5	346.3	
G5.0	341.5	361.1	369.6	362.3	337.5	324.3	325.1	335.0	341.5	
G6.0	332.9	358.6	367.6	354.3	330.5	311.5	314.7	326.2	332.9	
G7.0	325.9	354.5	364.4	348.9	322.6	300.1	302.9	317.0	325.9	
G8.0	318.1	349.1	363.5	345.6	313.3	287.9	290.3	310.4	318.1	
G9.0	312.1	343.4	353.7	338.0	302.9	274.6	277.4	299.4	312.1	
G10.0	299.8	336.6	350.9	329.4	291.8	262.7	260.4	283.7	299.8	
G11.0	289.3	331.8	339.3	317.3	280.0	248.8	246.0	275.0	289.3	
G12.0	278.3	319.4	330.7	308.6	267.6	232.6	235.1	258.3	278.3	
G13.0	266.9	313.1	324.7	296.4	254.9	218.3	220.9	244.9	266.9	
G14.0	257.7	302.5	314.0	283.4	241.0	205.7	206.8	234.1	257.7	
G15.0	242.1	291.4	303.5	270.8	226.6	190.2	193.2	218.2	242.1	
G16.0	231.9	275.7	287.7	256.3	212.8	178.5	175.4	204.2	231.9	
G17.0	218.9	263.5	278.8	242.4	200.5	165.8	162.2	191.0	218.9	
G18.0	202.0	254.4	265.9	227.9	187.1	150.8	154.0	177.9	202.0	
G19.0	192.4	238.0	252.4	215.3	171.7	139.2	138.3	165.3	192.4	
G20.0	179.6	228.6	238.5	201.6	158.8	130.0	130.9	154.7	179.6	
G21.0	163.4	215.7	224.5	186.5	146.6	119.5	115.8	143.1	163.4	
G22.0	151.2	198.2	208.0	173.5	137.3	107.1	106.0	131.8	151.2	
G23.0	139.9	188.8	196.2	160.3	126.4	97.9	97.0	119.8	139.9	
G24.0	132.2	175.6	182.6	150.4	116.3	91.7	88.6	110.6	132.2	
G25.0	118.1	163.0	169.4	136.2	106.9	84.2	80.8	101.6	118.1	
G26.0	108.4	151.0	155.8	128.1	98.2	73.8	73.4	92.4	108.4	
G27.0	99.6	139.4	144.1	117.5	90.0	67.1	69.9	84.7	99.6	
G28.0	94.6	124.1	132.5	104.6	78.7	64.0	60.6	76.9	94.6	
G29.0	86.6	113.8	121.5	98.9	71.6	55.5	58.2	70.0	86.6	
G30.0	79.3	108.3	111.1	86.8	68.9	50.1	50.2	63.8	79.3	
G31.0	68.7	94.7	101.4	82.5	59.1	49.1	45.7	57.9	68.7	
G32.0	66.0	90.4	92.1	75.5	53.4	41.2	41.8	53.7	66.0	
G33.0	56.8	82.7	83.8	64.9	52.8	41.2	38.2	47.6	56.8	
G34.0	55.1	71.2	78.3	58.8	44.0	34.0	34.9	43.2	55.1	
G35.0	46.5	64.6	71.5	53.3	44.3	34.8	33.5	39.1	46.5	
G36.0	45.7	62.6	62.4	48.1	36.3	32.2	30.6	35.5	45.7	

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

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

## Candlepower Table (Continue 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	41.8	57.0	59.3	43.6	37.2	29.6	26.7	34.5	41.8	
G38.0	38.1	47.6	54.3	43.7	34.0	23.3	25.6	31.7	38.1	
G39.0	34.9	43.0	49.6	40.0	31.2	21.2	22.5	26.5	34.9	
G40.0	31.9	43.2	41.6	32.4	24.6	23.6	21.5	24.1	31.9	
G41.0	29.4	39.4	37.7	33.7	22.4	17.5	19.0	25.0	29.4	
G42.0	26.9	35.8	33.9	30.9	20.4	16.0	17.5	19.9	26.9	
G43.0	24.8	32.9	34.6	24.4	22.4	14.6	16.1	18.0	24.8	
G44.0	22.8	30.0	27.7	22.3	20.5	13.3	14.8	16.4	22.8	
G45.0	21.1	27.5	25.1	24.1	18.9	12.1	13.7	18.5	21.1	
G46.0	19.5	21.1	26.7	22.3	17.4	11.0	12.7	13.5	19.5	
G47.0	18.2	23.4	20.5	20.6	13.2	14.0	11.6	16.2	18.2	
G48.0	16.9	17.4	18.5	18.8	14.7	9.2	10.8	11.0	16.9	
G49.0	15.7	20.1	21.1	14.2	13.5	8.4	10.2	9.9	15.7	
G50.0	14.5	18.7	19.4	16.1	10.5	11.4	9.6	9.1	14.5	
G51.0	13.5	17.4	13.7	12.0	11.5	7.2	8.1	12.5	13.5	
G52.0	12.5	11.9	16.6	13.7	9.2	9.9	8.1	11.5	12.5	
G53.0	11.6	10.8	11.0	12.5	9.7	9.4	7.6	11.0	11.6	
G54.0	8.6	9.8	14.1	11.6	8.8	5.8	6.7	10.3	8.6	
G55.0	10.0	8.9	12.9	10.6	7.6	7.8	6.2	5.2	10.0	
G56.0	7.5	8.1	12.0	9.6	7.1	7.2	5.7	9.0	7.5	
G57.0	8.6	7.3	7.0	8.7	6.7	4.5	5.3	4.2	8.6	
G58.0	7.9	6.6	6.2	7.1	6.3	5.9	4.8	7.7	7.9	
G59.0	7.4	10.3	9.4	7.1	5.0	5.2	4.4	3.3	7.4	
G60.0	6.8	9.7	4.8	5.9	4.5	4.7	2.9	6.8	6.8	
G61.0	6.0	9.0	4.1	5.6	3.9	4.2	3.9	2.8	6.0	
G62.0	5.5	8.6	7.3	5.2	3.4	3.6	3.6	6.0	5.5	
G63.0	5.1	7.8	3.0	4.2	3.0	3.0	3.3	2.3	5.1	
G64.0	4.7	7.4	6.1	3.6	2.6	2.5	2.9	2.0	4.7	
G65.0	4.7	2.6	2.0	3.0	4.9	2.8	2.7	4.6	4.7	
G66.0	4.5	2.1	5.1	2.5	4.7	1.5	2.3	1.5	4.5	
G67.0	4.3	6.0	1.2	4.2	1.2	2.5	2.1	3.7	4.3	
G68.0	2.3	5.5	0.8	4.0	0.8	2.5	0.0	3.2	2.3	
G69.0	1.8	5.3	0.5	3.8	0.4	0.0	1.5	2.6	1.8	
G70.0	1.4	4.9	0.2	3.7	0.0	2.3	0.0	2.3	1.4	
G71.0	3.8	0.2	0.0	0.3	0.0	0.0	0.9	0.8	3.8	
G72.0	0.6	4.3	2.5	0.0	0.0	2.0	0.9	1.4	0.6	
G73.0	0.2	0.0	0.0	3.2	3.1	0.0	0.0	0.7	0.2	

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	0.0	0.0	2.1	3.0	0.0	0.0	0.0	0.5	0.0
G75.0	0.0	3.3	0.0	2.8	2.8	1.8	0.0	0.4	0.0
G76.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G77.0	0.0	2.8	0.0	2.3	0.0	1.4	0.0	0.0	0.0
G78.0	2.8	2.4	1.1	0.0	2.1	0.0	0.0	0.1	2.8
G79.0	2.6	0.0	0.0	0.0	0.0	1.1	0.0	0.0	2.6
G80.0	0.0	0.0	0.6	1.4	0.0	0.0	0.0	0.0	0.0
G81.0	0.0	1.6	0.0	1.3	0.0	0.8	0.0	0.2	0.0
G82.0	0.0	1.4	0.3	1.0	0.0	0.7	0.0	0.2	0.0
G83.0	1.8	0.0	0.0	0.6	0.0	0.6	0.0	0.0	1.8
G84.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0
G85.0	0.0	0.8	0.2	0.0	0.0	0.3	0.0	0.4	0.0
G86.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0
G87.0	0.0	0.7	0.3	0.1	0.1	0.0	0.0	0.6	0.0
G88.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.6
G89.0	0.3	0.7	0.0	0.0	0.0	0.0	0.0	0.8	0.3
G90.0	0.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.2
G91.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
G92.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.6	0.0
G93.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.8	0.0
G94.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G95.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0
G96.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.6	0.0
G97.0	0.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
G98.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G99.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0
G100.0	0.0	0.7	0.0	0.0	0.0	0.1	0.0	0.3	0.0
G101.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0
G102.0	0.0	0.0	0.0	0.2	0.0	0.4	0.0	0.1	0.0
G103.0	0.0	0.7	0.8	0.0	0.0	0.5	0.0	0.0	0.0
G104.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0
G105.0	0.0	0.0	0.8	0.6	0.0	0.7	0.0	0.0	0.0
G106.0	0.0	0.0	0.6	0.7	0.2	0.0	0.0	0.0	0.0
G107.0	0.0	0.8	0.0	0.7	0.0	0.0	0.0	0.0	0.0
G108.0	0.0	0.6	0.0	0.0	0.5	0.8	0.0	0.0	0.0
G109.0	0.1	0.8	0.7	0.8	0.0	0.0	0.0	0.0	0.1
G110.0	0.2	0.8	0.0	0.8	0.0	0.0	0.0	0.0	0.2

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 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	0.3	0.0	0.6	0.0	0.7	0.0	0.0	0.0	0.3
G112.0	0.0	0.8	0.0	0.8	0.7	0.4	0.0	0.0	0.0
G113.0	0.0	0.8	0.0	0.0	0.0	0.5	0.0	0.0	0.0
G114.0	0.5	0.8	0.0	0.5	0.0	0.4	0.0	0.0	0.5
G115.0	0.0	0.8	0.0	0.0	0.8	0.0	0.0	0.0	0.0
G116.0	0.7	0.8	0.0	0.0	0.8	0.1	0.0	0.0	0.7
G117.0	0.0	0.8	0.0	0.4	0.8	0.0	0.0	0.0	0.0
G118.0	0.6	0.8	0.2	0.0	0.9	0.0	0.0	0.0	0.6
G119.0	0.0	0.0	0.1	0.3	0.9	0.0	0.0	0.0	0.0
G120.0	0.0	0.8	0.0	0.0	0.9	0.0	0.0	0.0	0.0
G121.0	0.0	0.7	0.0	0.1	0.0	0.0	0.0	0.0	0.0
G122.0	0.0	0.6	0.0	0.0	0.8	0.0	0.0	0.0	0.0
G123.0	0.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.9
G124.0	0.9	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.9
G125.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
G126.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G127.0	0.9	0.4	0.0	0.0	0.8	0.0	0.0	0.0	0.9
G128.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0
G129.0	0.0	0.2	0.0	0.0	0.8	0.0	0.0	0.0	0.0
G130.0	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9
G131.0	0.9	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.9
G132.0	0.8	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.8
G133.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
G134.0	0.0	0.0	0.0	0.0	0.6	0.2	0.0	0.0	0.0
G135.0	0.0	0.0	0.0	0.0	0.8	0.0	0.2	0.0	0.0
G136.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
G137.0	0.9	0.0	0.0	0.0	0.8	0.0	0.3	0.0	0.9
G138.0	0.9	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.9
G139.0	0.0	0.0	0.0	0.0	1.0	0.8	0.0	0.0	0.0
G140.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0
G141.0	0.0	0.0	0.0	0.0	1.2	0.8	0.0	0.0	0.0
G142.0	0.0	0.1	0.0	0.0	1.3	1.0	0.0	0.0	0.0
G143.0	1.1	0.2	0.0	0.0	0.0	0.0	0.6	0.1	1.1
G144.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.1	1.0
G145.0	1.1	0.0	0.2	0.0	0.0	0.0	0.8	0.4	1.1
G146.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.5	0.0
G147.0	0.0	1.0	0.5	0.0	0.0	0.0	0.9	0.5	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	0.0	1.1	0.0	0.3	0.0	0.0	1.0	0.9	0.0	
G149.0	1.0	0.0	0.7	0.0	0.0	0.0	1.1	1.0	1.0	
G150.0	1.2	1.4	0.0	0.0	0.0	0.0	1.2	1.1	1.2	
G151.0	1.3	1.5	1.0	0.6	0.0	0.0	1.2	0.0	1.3	
G152.0	0.0	1.6	1.1	0.7	0.0	1.8	0.0	1.4	0.0	
G153.0	0.0	1.5	1.2	0.9	1.8	1.8	1.4	1.5	0.0	
G154.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	
G155.0	1.4	0.0	1.4	0.0	0.0	0.0	0.0	0.0	1.4	
G156.0	1.4	1.8	0.0	1.3	1.7	2.0	0.0	0.0	1.4	
G157.0	0.0	2.0	0.0	0.0	1.7	2.0	0.0	2.0	0.0	
G158.0	1.5	0.0	0.0	0.0	1.6	0.0	0.0	2.1	1.5	
G159.0	0.0	0.0	1.9	0.0	0.0	2.1	1.7	2.2	0.0	
G160.0	0.0	0.0	1.8	1.8	1.4	0.0	1.8	0.0	0.0	
G161.0	0.0	2.0	0.0	0.0	0.0	2.0	0.0	2.3	0.0	
G162.0	1.6	0.0	0.0	1.9	1.2	2.2	0.0	0.0	1.6	
G163.0	1.6	2.0	2.3	0.0	0.0	2.2	1.9	0.0	1.6	
G164.0	0.0	2.0	2.3	2.3	1.0	2.1	0.0	0.0	0.0	
G165.0	1.7	0.0	0.0	2.2	0.0	0.0	0.0	2.5	1.7	
G166.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	
G167.0	0.0	0.0	0.0	2.5	0.5	0.0	2.1	2.3	0.0	
G168.0	1.7	0.0	0.0	2.6	0.4	2.2	0.0	2.5	1.7	
G169.0	1.6	0.0	0.0	0.0	0.4	2.2	0.0	2.5	1.6	
G170.0	0.0	0.0	0.0	0.0	0.1	0.0	2.3	2.3	0.0	
G171.0	1.8	0.0	0.0	2.7	0.0	0.0	0.0	0.0	1.8	
G172.0	1.8	0.0	0.0	0.0	0.0	0.0	2.3	0.0	1.8	
G173.0	1.8	1.3	2.6	2.8	1.5	0.0	0.0	0.0	1.8	
G174.0	1.8	0.0	2.5	0.0	0.0	2.0	0.0	2.0	1.8	
G175.0	1.8	0.0	0.0	0.0	0.0	1.7	0.0	0.0	1.8	
G176.0	0.0	0.1	0.0	0.0	0.0	0.0	2.5	0.0	0.0	
G177.0	1.7	1.0	0.0	2.5	0.0	1.7	2.3	0.1	1.7	
G178.0	0.0	0.6	0.0	2.3	2.4	0.0	2.5	0.5	0.0	
G179.0	1.4	1.1	0.6	0.0	0.0	1.3	2.3	0.3	1.4	
G180.0	1.1	1.6	2.6	1.7	0.0	0.8	0.0	2.0	1.1	

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: