

Report No.:

Test Time: 2020-11-03 16:17

## Luminaire Property

Luminaire Manufacturer:

Luminaire Description: SSL6-MCT5-5K

Current: 0.126 A

Power Factor: 0.983

Voltage: 120.2 V

Power: 14.92 W

## Photometric Results

CIE Class: Direct

Measurement Flux: 1280 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 162.7, 162.6, 162.7, 162.8

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 115.4, 115.3, 115.4, 115.4

Luminaire Efficacy Rating (LER): 85.84

Max. Intensity: 432.98 cd

S/MH(C0/C180): 1.28

Total Rated Lamp Lumens: 1280.0 lm

Efficiency: 100%

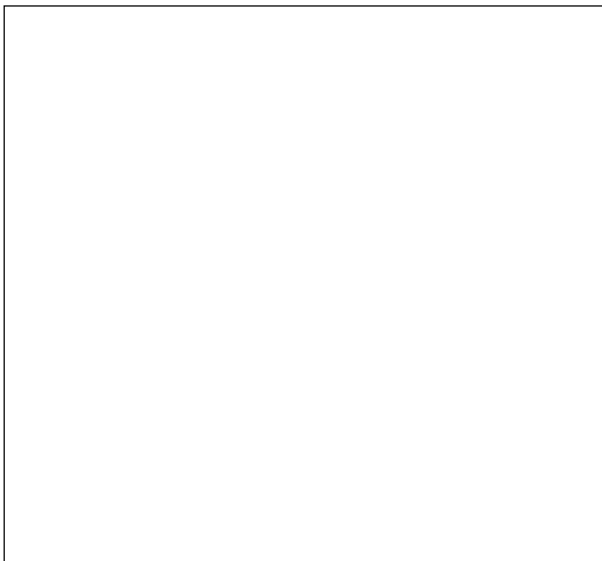
Upward Ratio: 0%

Central Intensity: 431.42 cd

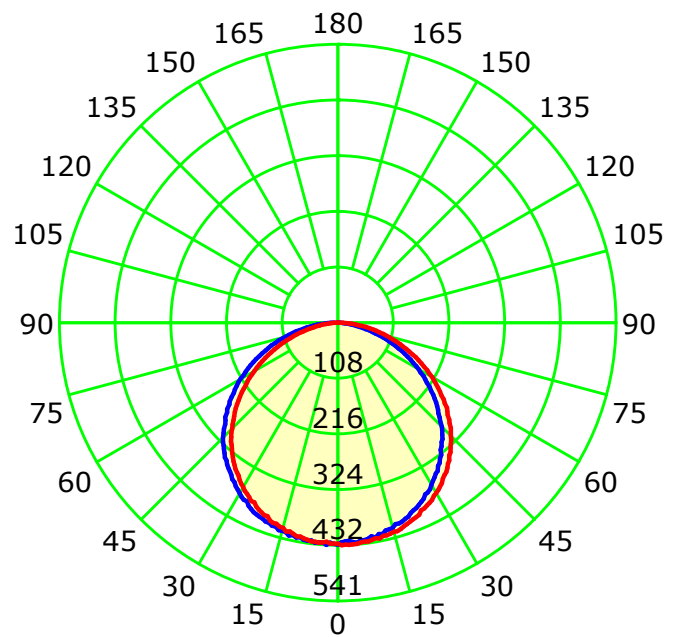
Pos of Max. Intensity: H150 V2

S/MH(C90/C270): 1.30

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

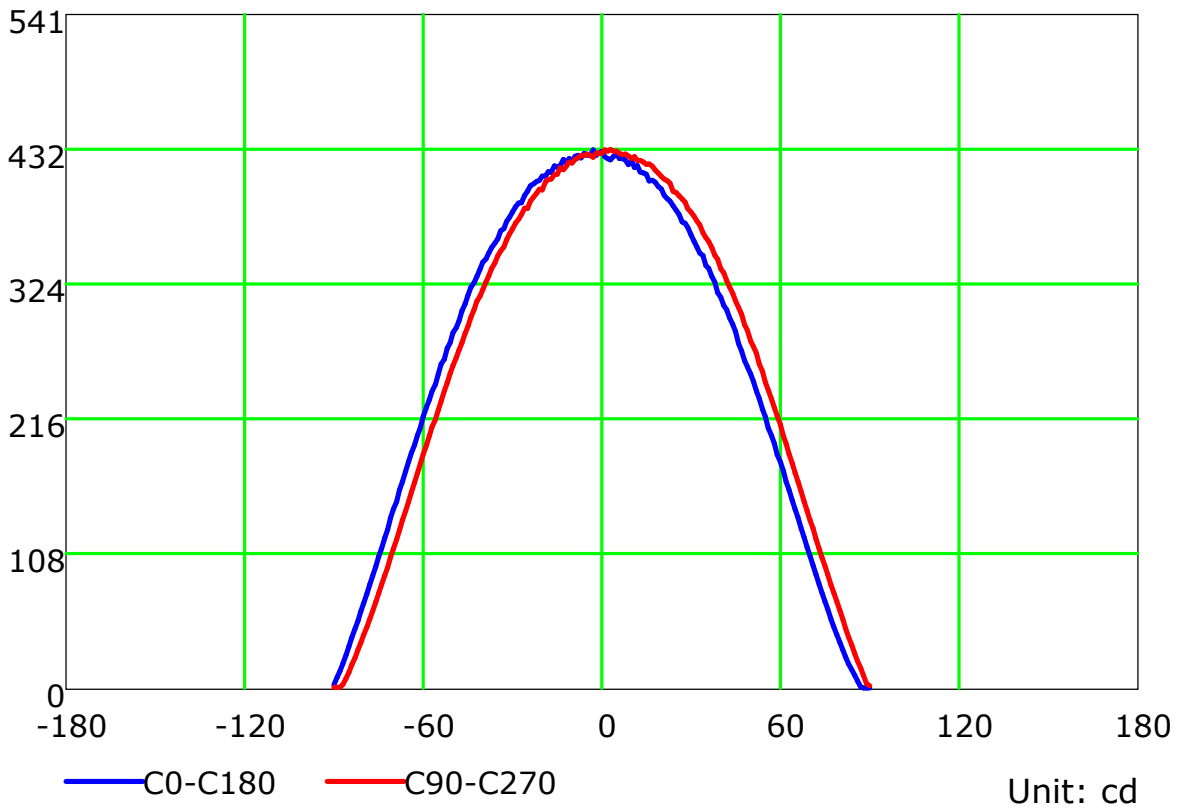
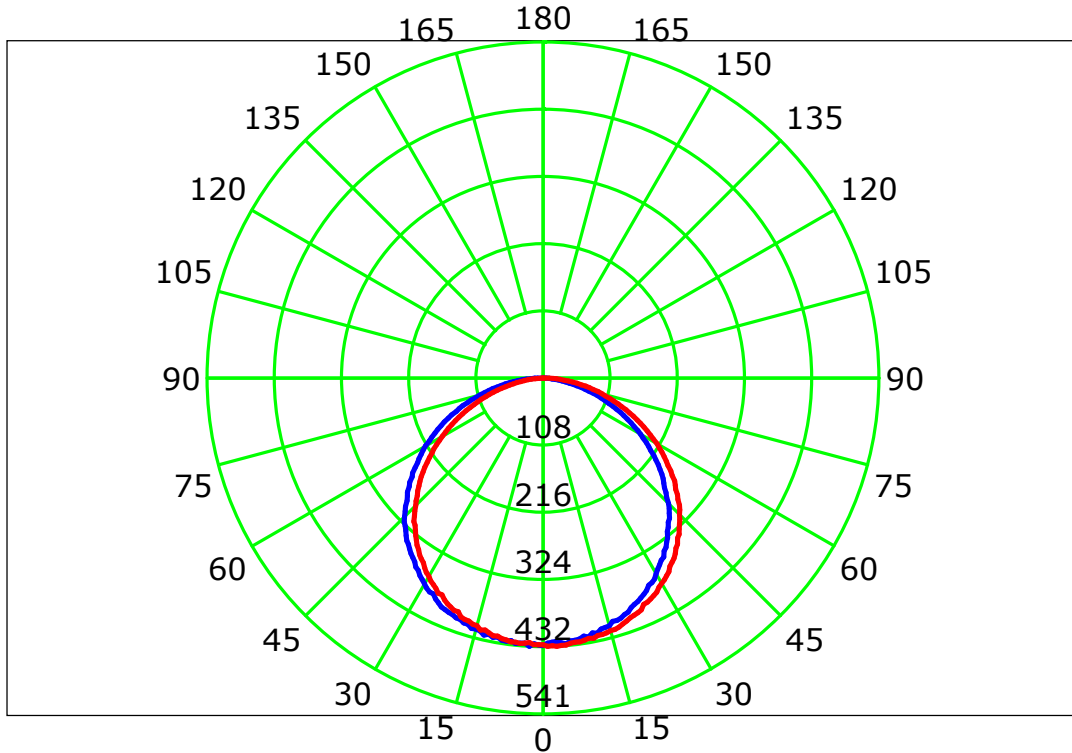
Test Device: GPM-1600L

Distance: 6.935 m

Humidity:

Inspector:

## Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

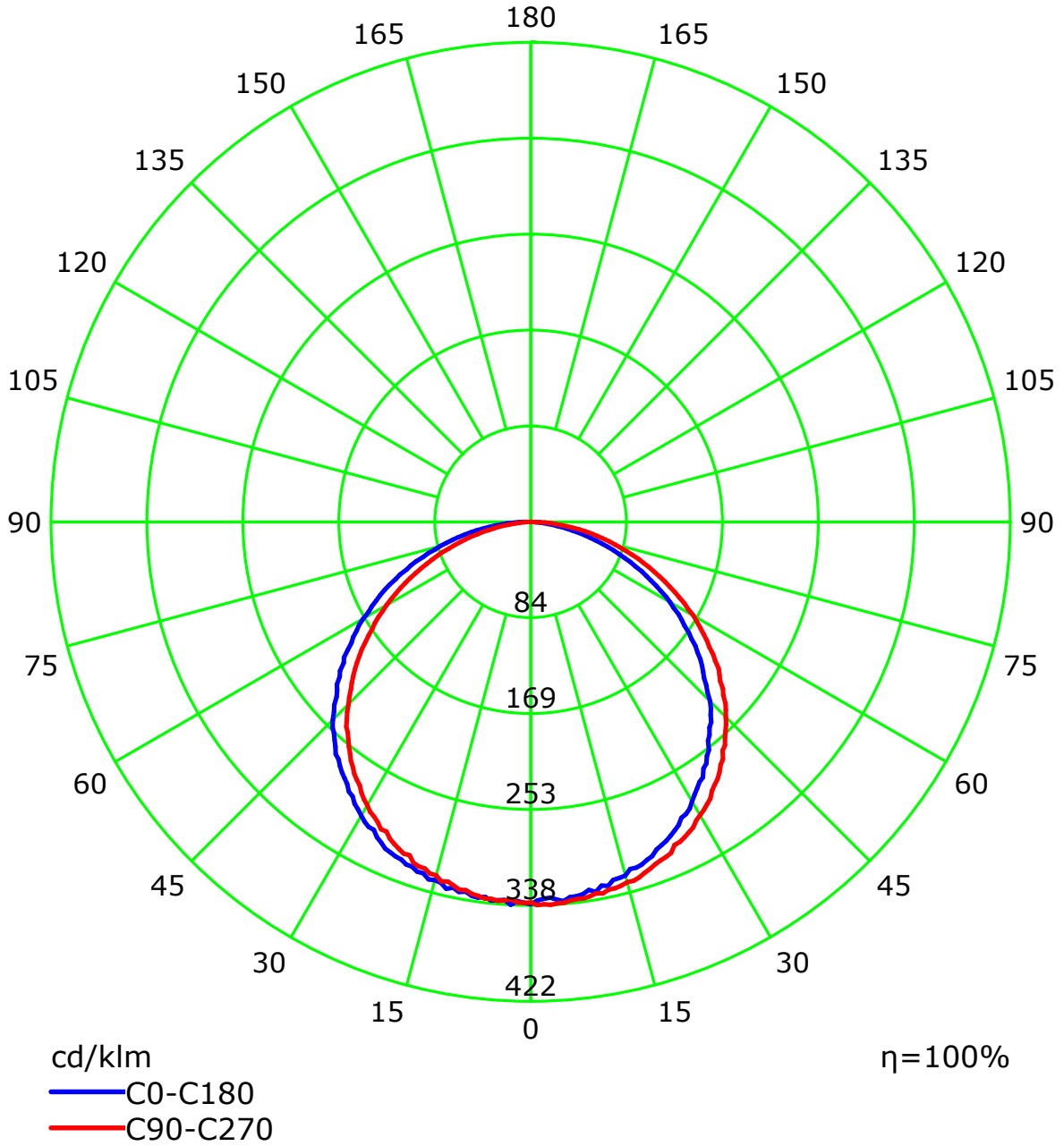
Test Device: GPM-1600L

Distance: 6.935 m

Humidity:

Inspector:

## Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

Test Device: GPM-1600L

Distance: 6.935 m

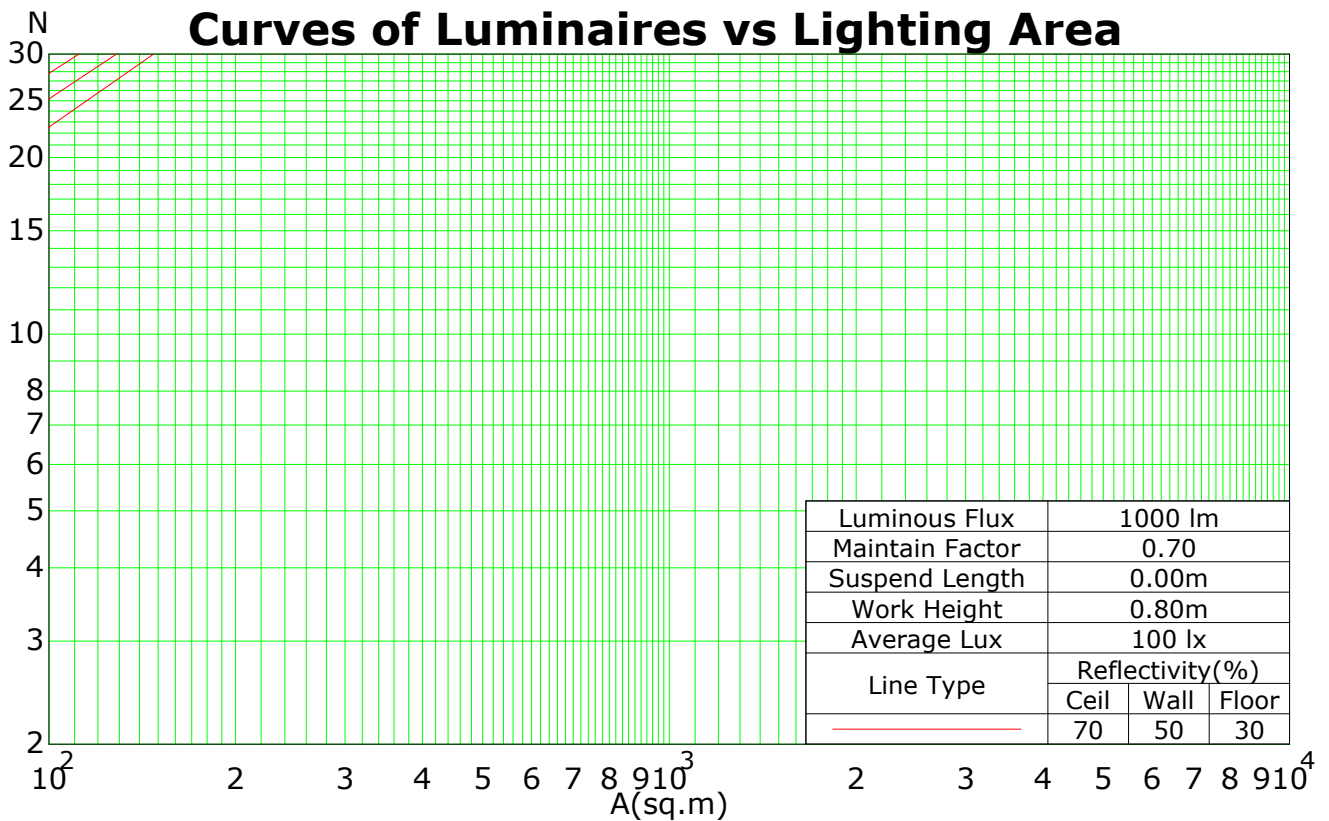
Humidity:

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
RCCR	RF = 0.2																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49
5	75	62	53	46	73	61	53	46	59	52	46	57	50	45	55	49	45	43
6	70	56	47	40	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

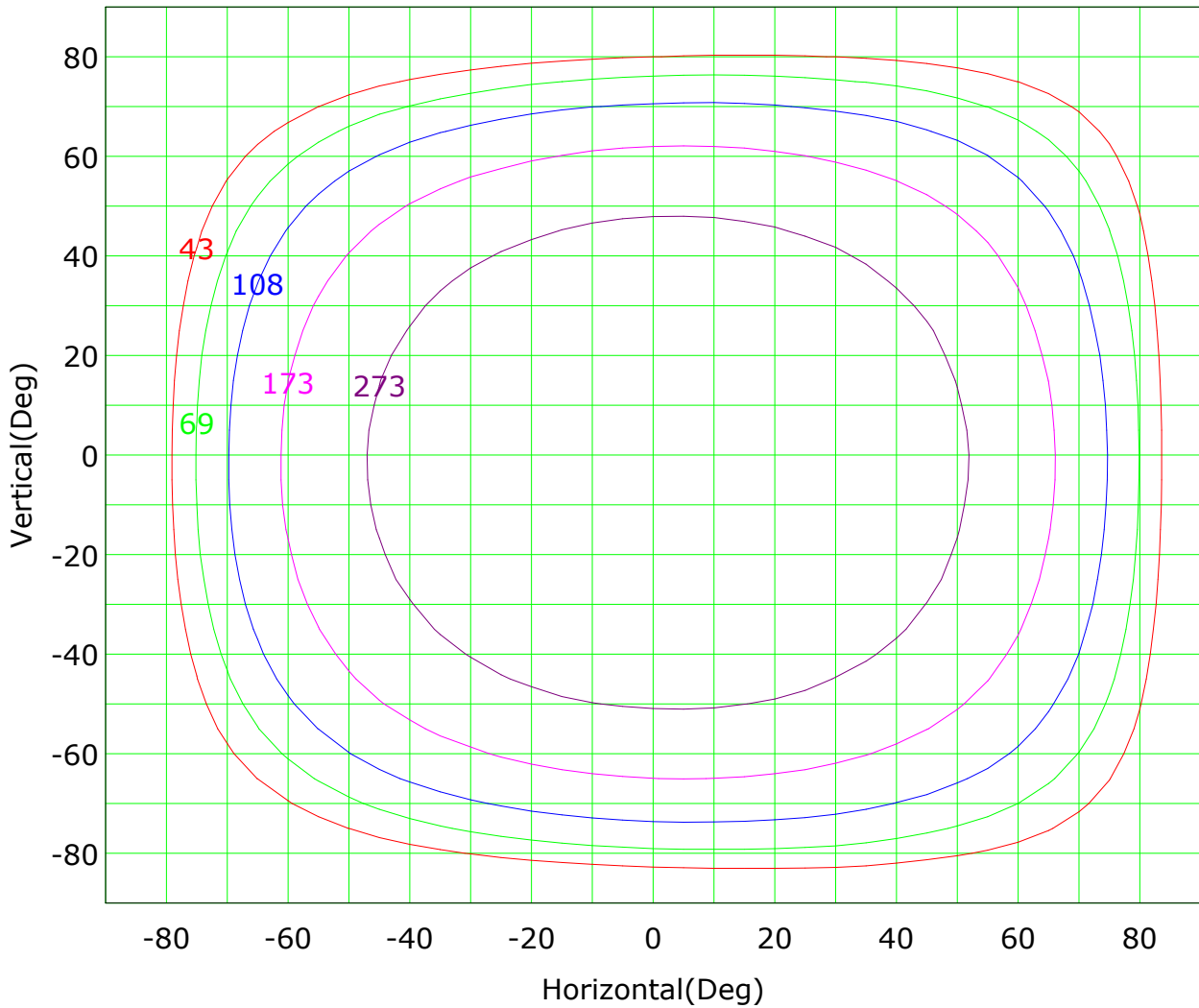
Spacing Criteria (0-180): 1.28  
 Spacing Criteria (90-270): 1.30  
 Spacing Criteria (Diagonal): 1.40



C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-90.0:1.0  
 Test Device: GPM-1600L  
 Distance: 6.935 m  
 Humidity:  
 Inspector:

## Isocandela (rectangle)



Imax (100%): 433 cd

— ( 10%):	43 cd	— ( 16%):	69 cd
— ( 25%):	108 cd	— ( 40%):	173 cd
— ( 63%):	273 cd	— (100%):	433 cd

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

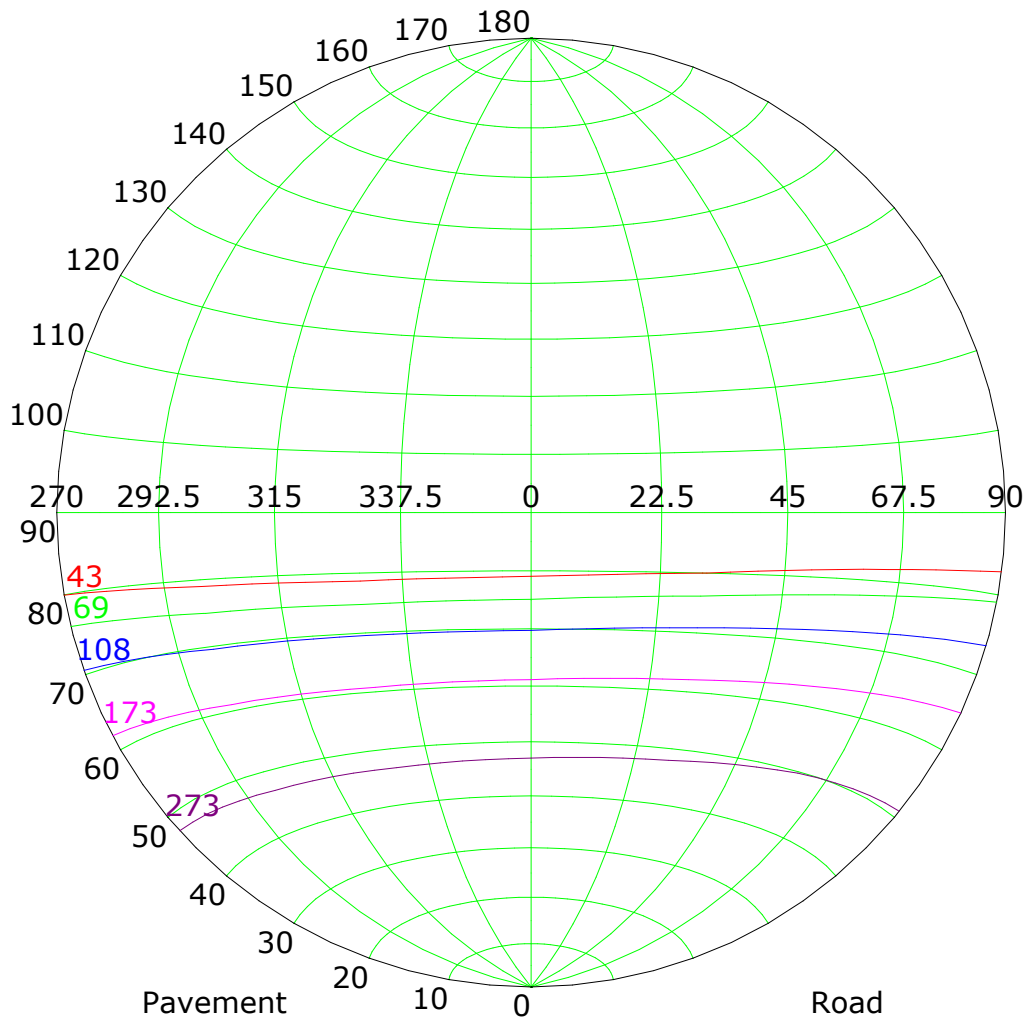
Test Device: GPM-1600L

Distance: 6.935 m

Humidity:

Inspector:

## Isocandela (sphere)



Imax (100%): 433 cd

— ( 10%):	43 cd	— ( 16%):	69 cd
— ( 25%):	108 cd	— ( 40%):	173 cd
— ( 63%):	273 cd	— (100%):	433 cd

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

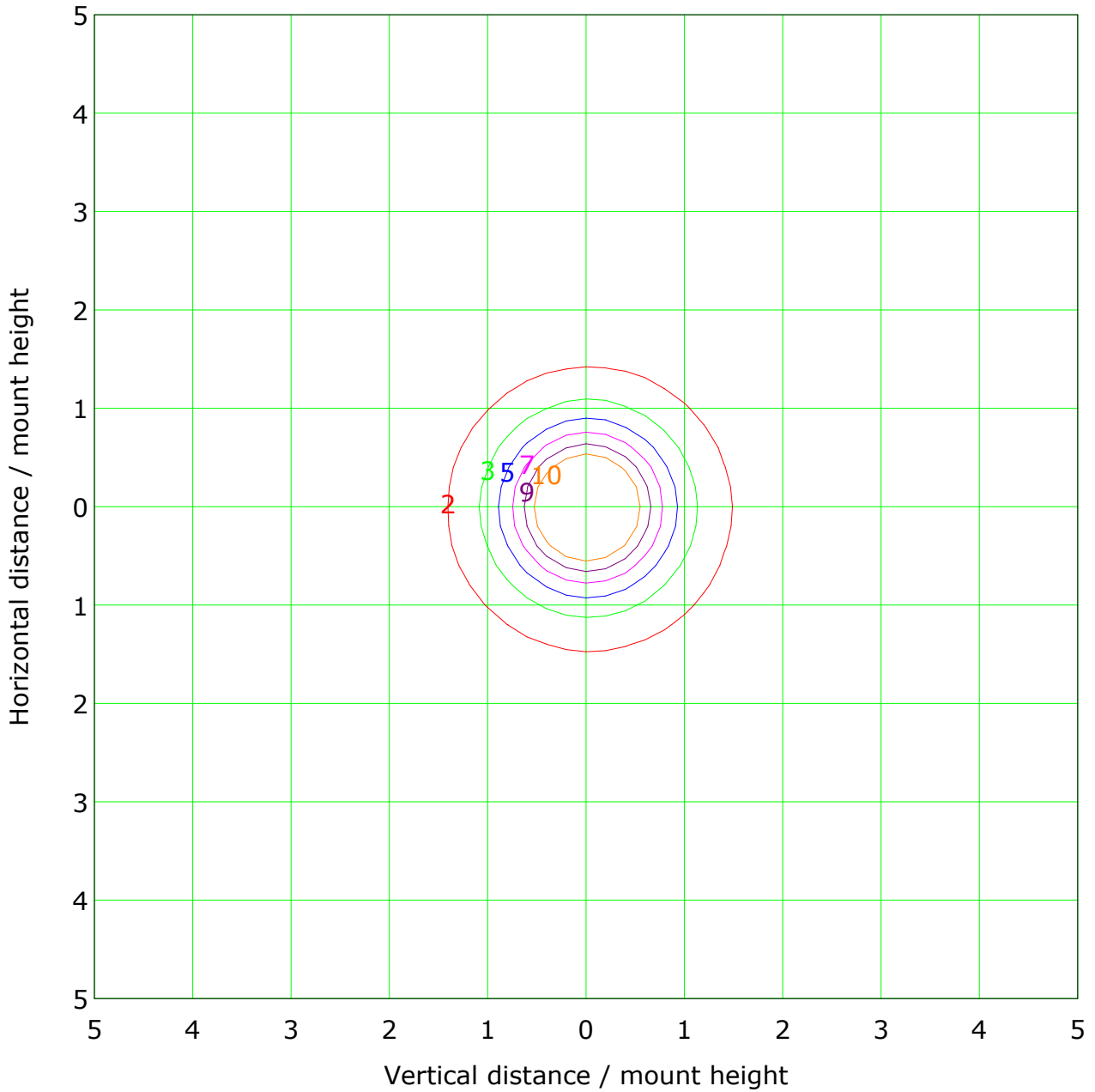
Test Device: GPM-1600L

Distance: 6.935 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 5.0m		Max Lux(100%): 17.3 lx
<ul style="list-style-type: none"> <li><span style="color: red;">—</span> ( 10%): 1.7 lx</li> <li><span style="color: blue;">—</span> ( 30%): 5.2 lx</li> <li><span style="color: purple;">—</span> ( 50%): 8.6 lx</li> <li><span style="color: green;">—</span> (100%): 17.3 lx</li> </ul>	<ul style="list-style-type: none"> <li><span style="color: lightgreen;">—</span> ( 20%): 3.5 lx</li> <li><span style="color: magenta;">—</span> ( 40%): 6.9 lx</li> <li><span style="color: orange;">—</span> ( 60%): 10.4 lx</li> </ul>	

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

Test Device: GPM-1600L

Distance: 6.935 m

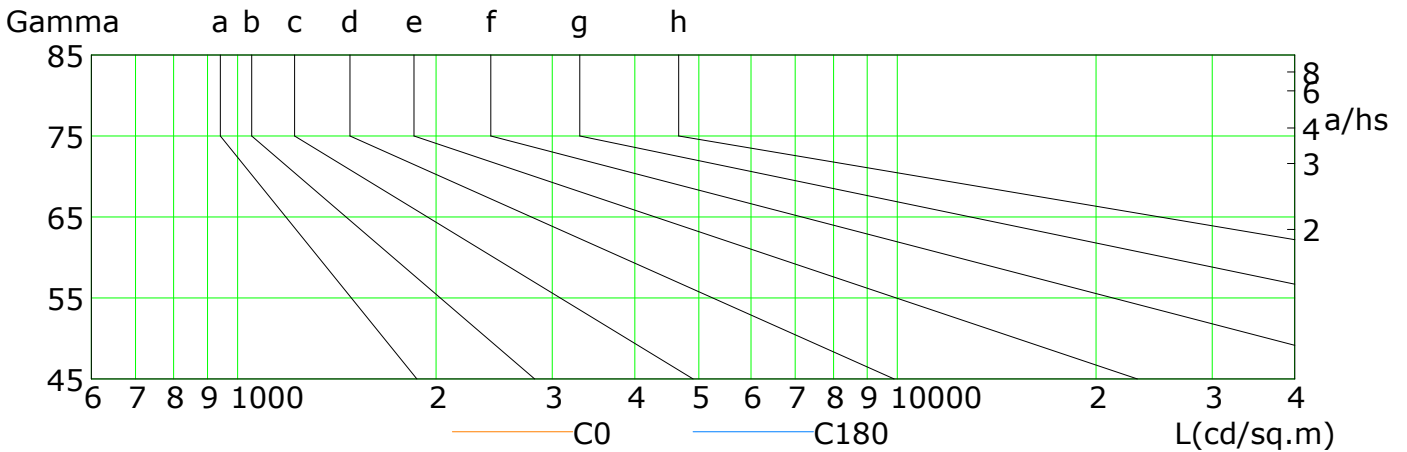
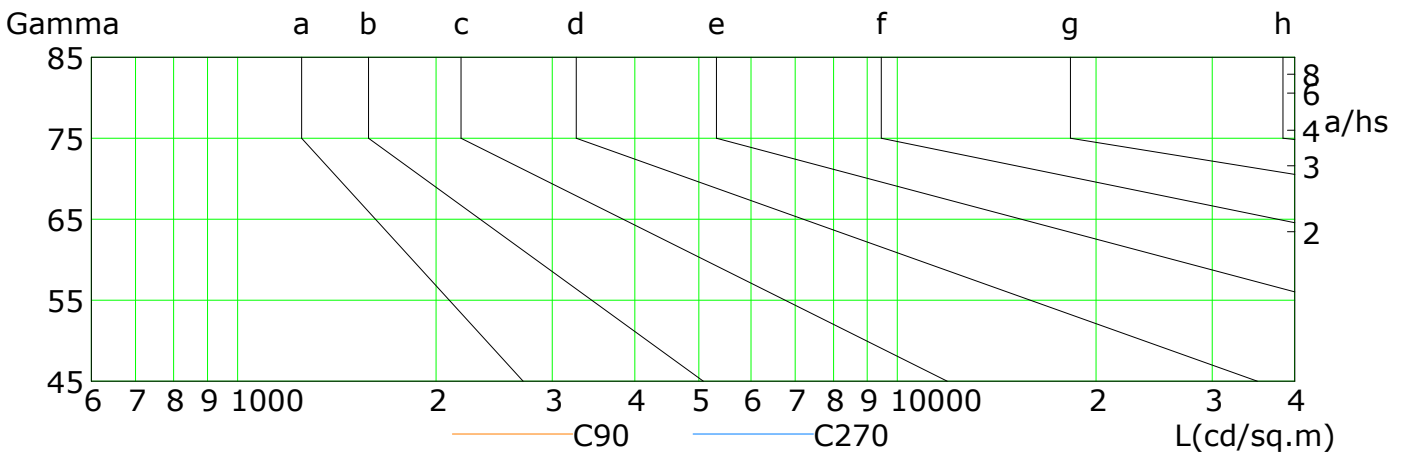
Humidity:

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	286	253	218	182	144	106	70	37	11
C90	311	279	246	212	173	135	99	63	28
C180	316	286	252	218	182	144	106	69	34
C270	291	259	224	188	150	112	76	43	13

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

Test Device: GPM-1600L

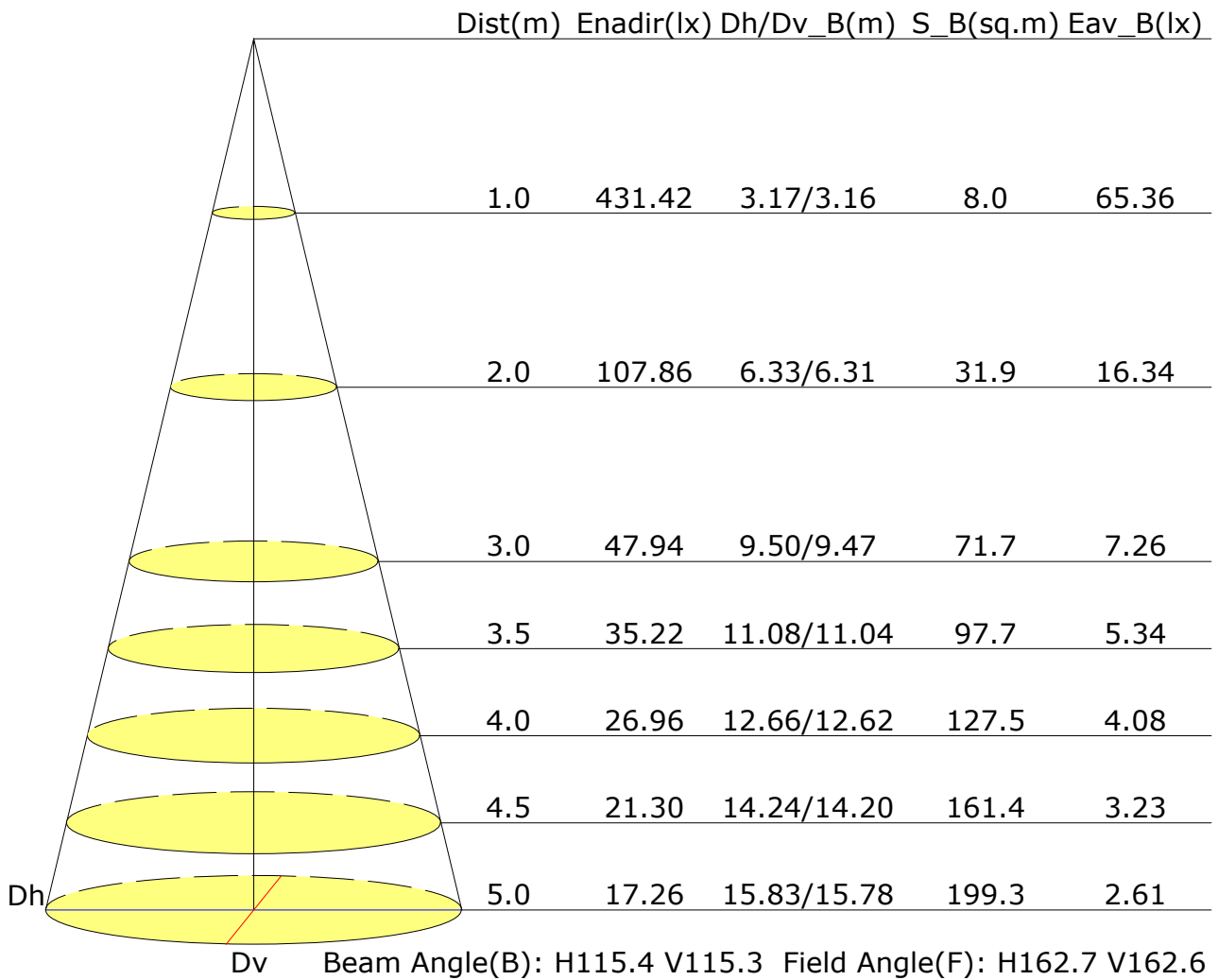
Distance: 6.935 m

Humidity:

Inspector:



## Illuminance at a Distance



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

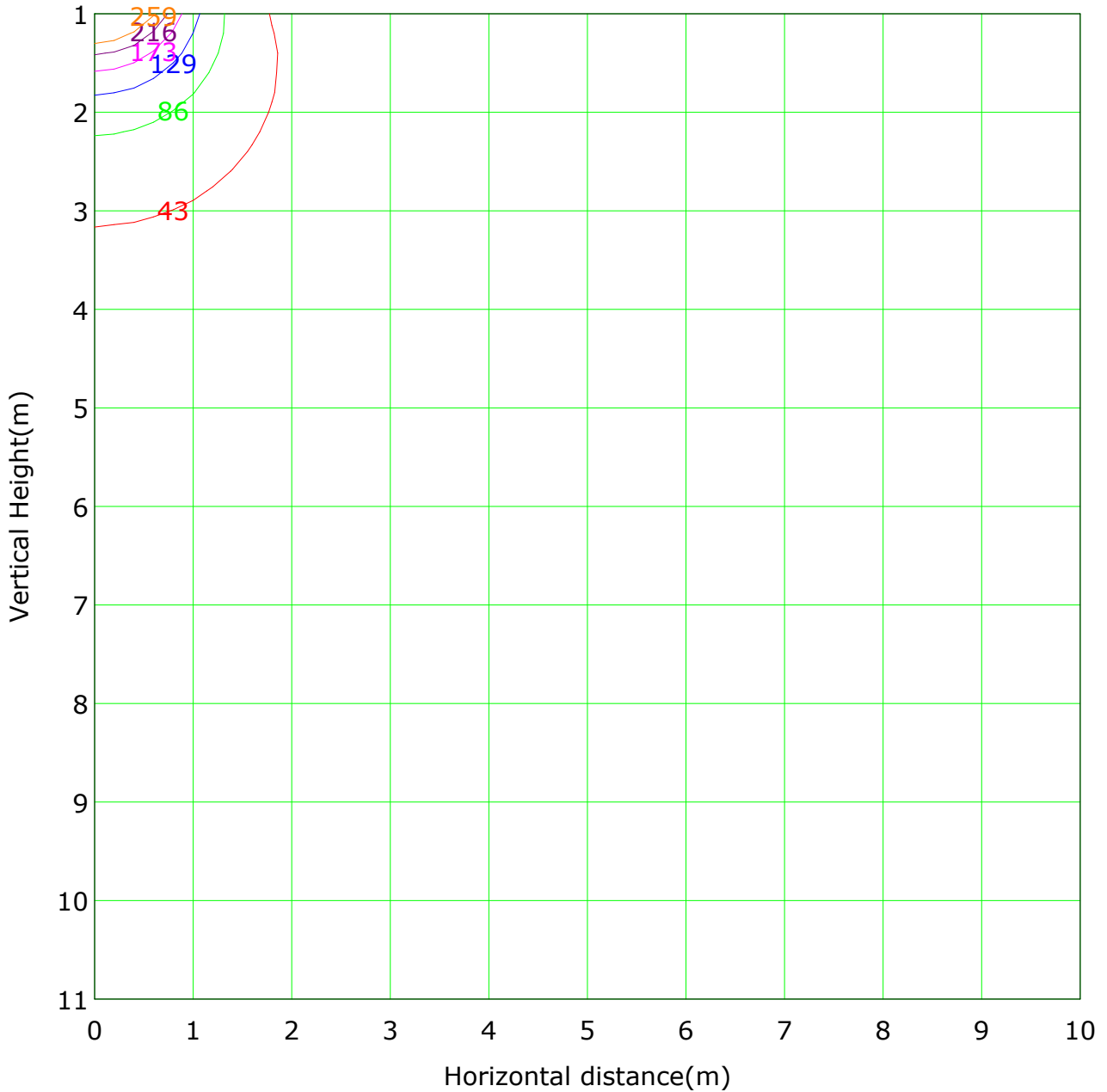
Test Device: GPM-1600L

Distance: 6.935 m

Humidity:

Inspector:

## Vertical IsoLux Plot



Lowest(m): 1.0m    Highest(m): 11.0m    Max Lux: 431.4 lx

— ( 10%): 43.1 lx	— ( 20%): 86.3 lx
— ( 30%): 129.4 lx	— ( 40%): 172.6 lx
— ( 50%): 215.7 lx	— ( 60%): 258.9 lx
— (100%): 431.4 lx	

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

Test Device: GPM-1600L

Distance: 6.935 m

Humidity:

Inspector:

# Area Flux Table

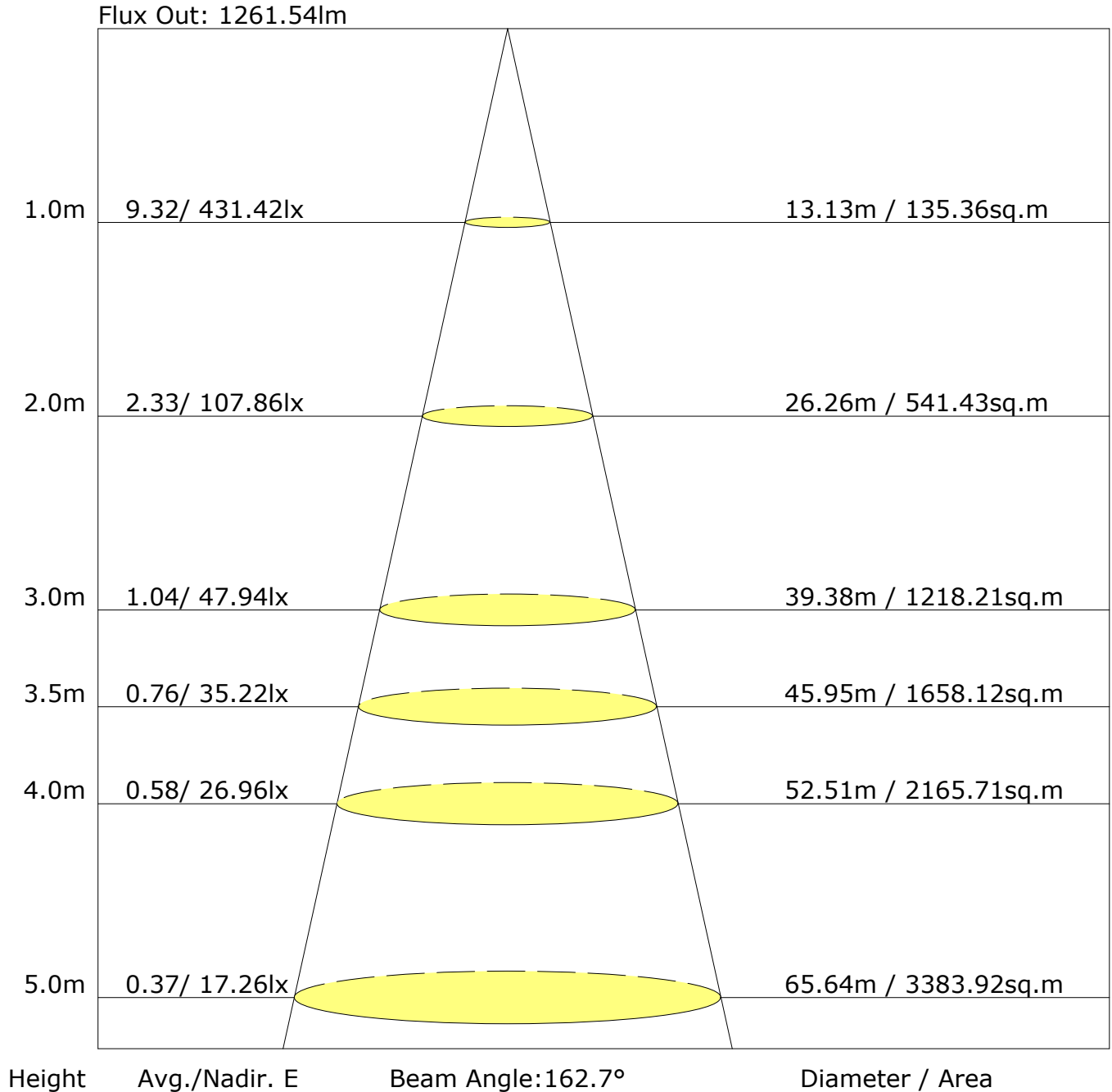
Unit: lm

-90	0.0	0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.3	0.2	0.1	0.1	0.0	0.0	0.0	4.4	0.0
-80	0.0	0.2	0.5	0.9	1.3	1.7	2.1	2.3	2.4	2.3	2.0	1.7	1.3	0.9	0.5	0.2	0.0	0.0	20.1	17.5
-70	0.0	0.3	0.8	1.6	2.4	3.2	3.9	4.4	4.6	4.5	4.1	3.4	2.7	1.8	1.1	0.5	0.1	0.0	39.2	38.5
-60	0.1	0.4	1.2	2.2	3.4	4.6	5.7	6.4	6.8	6.7	6.1	5.2	4.1	2.9	1.7	0.8	0.2	0.0	58.8	58.4
-50	0.1	0.6	1.5	2.9	4.4	6.0	7.4	8.3	8.8	8.7	8.0	6.9	5.4	3.8	2.3	1.1	0.3	0.0	76.8	76.6
-40	0.1	0.7	1.8	3.4	5.3	7.2	8.8	9.9	10.5	10.4	9.6	8.3	6.6	4.7	2.9	1.4	0.4	0.0	92.0	91.8
-30	0.1	0.8	2.1	3.9	6.0	8.1	9.8	11.1	11.7	11.6	10.8	9.4	7.5	5.4	3.3	1.6	0.5	0.0	103.7	103.6
-20	0.1	0.8	2.2	4.2	6.5	8.7	10.5	11.9	12.5	12.4	11.6	10.1	8.1	5.8	3.6	1.8	0.6	0.0	111.6	111.5
-10	0.1	0.9	2.3	4.4	6.7	9.0	10.9	12.3	12.9	12.9	12.0	10.5	8.4	6.1	3.8	1.9	0.6	0.1	115.7	115.6
0	0.1	0.9	2.3	4.4	6.7	9.0	11.0	12.3	13.0	12.9	12.1	10.6	8.5	6.1	3.8	1.9	0.6	0.1	116.3	116.2
10	0.1	0.8	2.3	4.3	6.5	8.8	10.7	12.1	12.7	12.6	11.8	10.3	8.2	5.9	3.7	1.8	0.6	0.0	113.4	113.3
20	0.1	0.8	2.1	4.0	6.1	8.3	10.1	11.4	12.1	12.0	11.2	9.7	7.7	5.5	3.4	1.7	0.5	0.0	106.7	106.6
30	0.1	0.7	1.9	3.6	5.5	7.5	9.2	10.4	11.0	10.9	10.1	8.7	6.9	4.9	3.0	1.5	0.4	0.0	96.2	96.0
40	0.1	0.6	1.6	3.1	4.7	6.4	7.9	8.9	9.4	9.3	8.6	7.4	5.8	4.1	2.5	1.2	0.4	0.0	81.9	81.7
50	0.1	0.5	1.3	2.4	3.7	5.1	6.3	7.1	7.5	7.4	6.8	5.8	4.5	3.2	1.9	0.9	0.3	0.0	64.5	64.2
60	0.1	0.4	0.9	1.8	2.7	3.6	4.4	5.0	5.3	5.2	4.7	4.0	3.1	2.1	1.3	0.6	0.2	0.0	45.2	44.6
70	0.0	0.2	0.6	1.1	1.6	2.1	2.6	2.9	3.0	2.9	2.6	2.2	1.7	1.1	0.6	0.3	0.1	0.0	25.6	24.1
80	0.0	0.1	0.2	0.4	0.6	0.8	0.9	0.9	0.9	0.8	0.7	0.6	0.4	0.3	0.1	0.0	0.0	0.0	7.8	2.6
Flux(T)	1.4	9.6	26.0	48.7	74.6	100.3	122.5	138.1	145.5	143.9	133.3	115.0	91.1	64.8	39.7	19.1	5.8	0.5	1280	
Flux(E)	0.6	8.7	25.1	47.7	73.7	99.4	121.5	137.1	144.6	143.0	132.3	114.0	90.1	63.8	38.6	18.0	4.4	0.0		1263
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	Flux(T)	Flux(E)

Gamma Plane (°):0.0-90.0:1.0  
 Test Device: GPM-1600L  
 Distance: 6.935 m  
 Humidity:  
 Inspector:

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

## The Average Illuminance Effective Figure



C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-90.0:1.0  
 Test Device: GPM-1600L  
 Distance: 6.935 m  
 Humidity:  
 Inspector:

## UGR Table

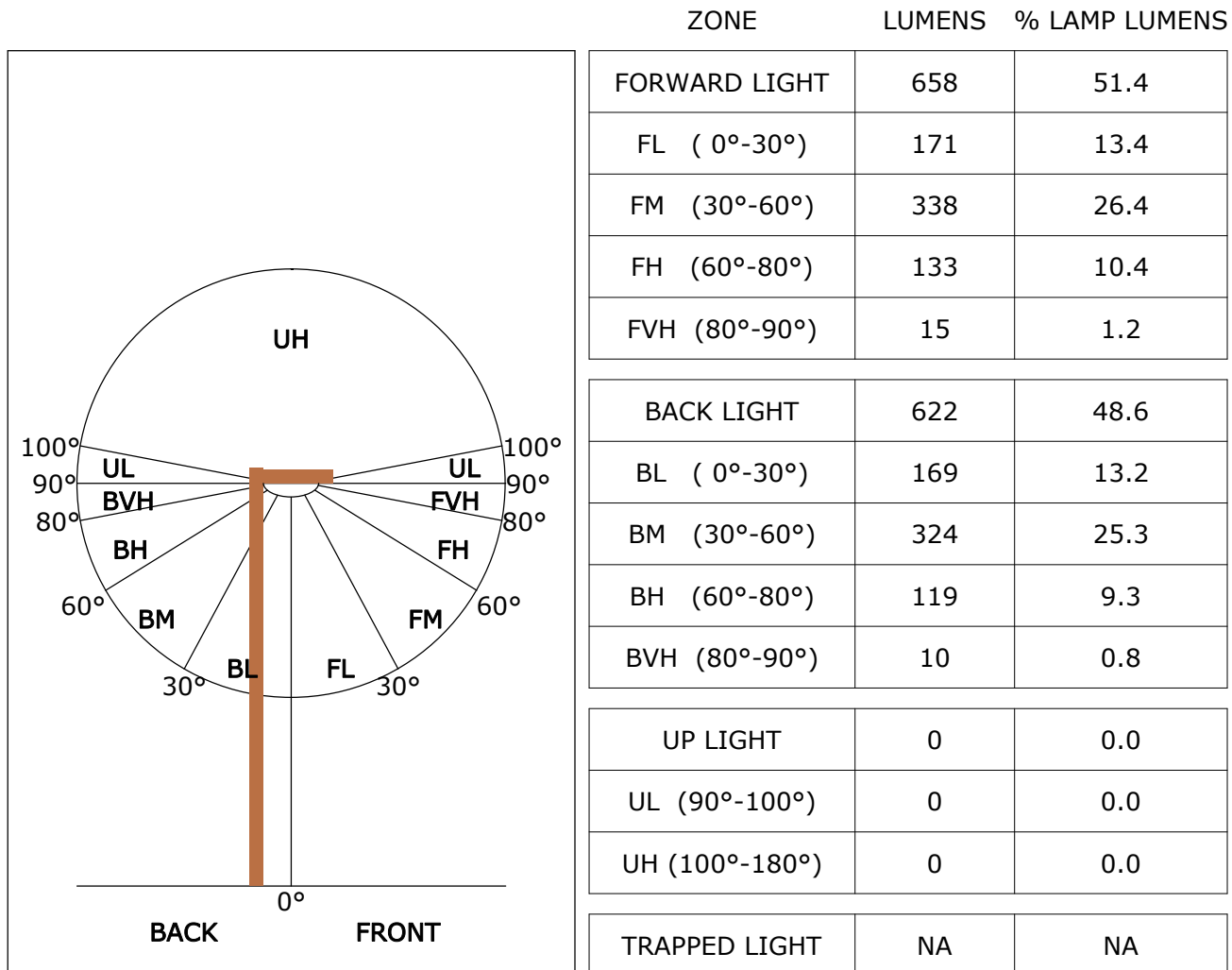
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-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.\$
Variations with the observer position at spacings:										
S=1.0H										-1.\$/-1.\$
S=1.5H										-1.\$/-1.\$
S=2.0H										-1.\$/-1.\$

Calculate in accordance with CIE Pub.117. The table is revised with 1280lm ( $8\log(F/F_0) = 0.9$ ).

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-90.0:1.0  
 Test Device: GPM-1600L  
 Distance: 6.935 m  
 Humidity:  
 Inspector:

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

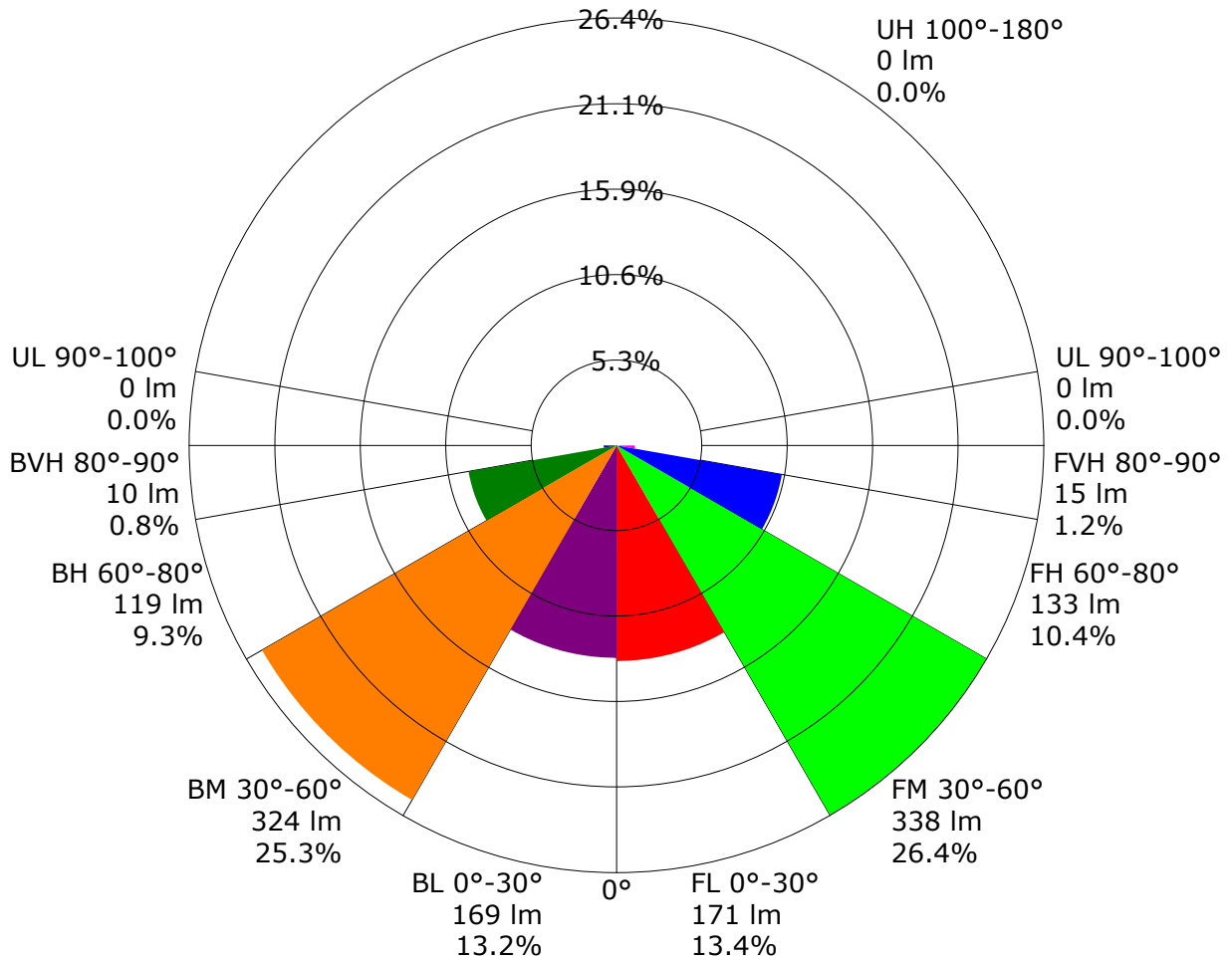


BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U1 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U1 G1

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-90.0:1.0  
 Test Device: GPM-1600L  
 Distance: 6.935 m  
 Humidity:  
 Inspector:

### LCS Graph



**Back Light**

**Forward Light**

Scale= MAX LCS%

Trapped Light:NA,NA

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

Test Device: GPM-1600L

Distance: 6.935 m

Humidity:

Inspector:

## Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.56	0.66	0.74	0.79	0.87	0.92	0.95	1.00	1.03	
	0.30		0.48	0.58	0.66	0.72	0.80	0.86	0.90	0.96	0.99	
	0.20		0.42	0.53	0.60	0.66	0.75	0.81	0.86	0.92	0.96	
0.50	0.50	0.20	0.54	0.64	0.71	0.76	0.83	0.88	0.92	0.96	0.99	
	0.30		0.47	0.57	0.65	0.70	0.78	0.83	0.87	0.93	0.96	
	0.20		0.42	0.52	0.60	0.65	0.74	0.79	0.84	0.89	0.93	
0.30	0.50	0.20	0.53	0.62	0.69	0.74	0.81	0.85	0.88	0.92	0.95	
	0.30		0.46	0.56	0.63	0.69	0.76	0.81	0.85	0.89	0.93	
	0.20		0.41	0.51	0.59	0.64	0.72	0.78	0.82	0.87	0.90	
0.00	0.00	0.00	0.39	0.49	0.56	0.61	0.69	0.74	0.78	0.82	0.86	
<p>Rating:15W 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: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-90.0:1.0  
 Test Device: GPM-1600L  
 Distance: 6.935 m  
 Humidity:  
 Inspector:



## Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	1.01	0.84	0.71	0.62	0.50	0.41	0.35	0.27	0.22	
	0.30		0.85	0.72	0.62	0.55	0.45	0.38	0.33	0.26	0.21	
	0.20		0.72	0.63	0.55	0.49	0.41	0.35	0.30	0.24	0.20	
0.50	0.50	0.20	0.98	0.80	0.68	0.60	0.48	0.43	0.34	0.26	0.21	
	0.30		0.83	0.70	0.60	0.53	0.43	0.36	0.31	0.25	0.20	
	0.20		0.72	0.62	0.54	0.48	0.40	0.34	0.30	0.23	0.20	
0.30	0.50	0.20	0.95	0.77	0.66	0.57	0.45	0.38	0.32	0.25	0.20	
	0.30		0.81	0.68	0.59	0.52	0.42	0.35	0.30	0.24	0.20	
	0.20		0.71	0.61	0.53	0.47	0.39	0.33	0.29	0.23	0.19	
0.00	0.00	0.00	0.61	0.51	0.44	0.39	0.32	0.26	0.23	0.18	0.15	
<p>Rating:15W Photometrically tested without ceiling board.</p> <p>Multiply UF values by service correction factors</p> <p>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-90.0:1.0  
 Test Device: GPM-1600L  
 Distance: 6.935 m  
 Humidity:  
 Inspector:

## Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 1.25								
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.16	0.18	0.19	0.19	0.20	0.21	0.21	0.22	0.22
	0.30		0.09	0.11	0.12	0.13	0.15	0.16	0.17	0.18	0.19
	0.20		0.05	0.06	0.08	0.09	0.11	0.13	0.14	0.16	0.17
0.50	0.50	0.20	0.16	0.17	0.18	0.18	0.19	0.20	0.20	0.21	0.21
	0.30		0.09	0.11	0.12	0.13	0.15	0.16	0.17	0.18	0.19
	0.20		0.04	0.06	0.08	0.09	0.11	0.12	0.13	0.15	0.16
0.30	0.50	0.20	0.15	0.17	0.17	0.18	0.19	0.19	0.19	0.20	0.20
	0.30		0.09	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.18
	0.20		0.04	0.06	0.07	0.09	0.11	0.12	0.13	0.15	0.16
0.00	0.00	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
<p>Rating:15W Photometrically tested without ceiling board.</p> <p>Multiply UF values by service correction factors</p> <p>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>											

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-90.0:1.0  
 Test Device: GPM-1600L  
 Distance: 6.935 m  
 Humidity:  
 Inspector:

## Zonal Lumen

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	430.6	0.4	0.4	0.03	0.03
1.0-2.0	429.9	1.2	1.6	0.10	0.13
2.0-3.0	429.7	2.1	3.7	0.16	0.29
3.0-4.0	429.4	2.9	6.6	0.22	0.51
4.0-5.0	429.3	3.7	10.3	0.29	0.80
5.0-6.0	428.9	4.5	14.8	0.35	1.15
6.0-7.0	428.0	5.3	20.1	0.42	1.57
7.0-8.0	427.2	6.1	26.2	0.48	2.05
8.0-9.0	426.3	6.9	33.1	0.54	2.59
9.0-10.0	425.3	7.7	40.8	0.60	3.19
10.0-11.0	424.0	8.5	49.3	0.66	3.85
11.0-12.0	422.6	9.2	58.5	0.72	4.57
12.0-13.0	421.3	10.0	68.5	0.78	5.35
13.0-14.0	420.0	10.8	79.3	0.84	6.19
14.0-15.0	418.3	11.5	90.8	0.90	7.09
15.0-16.0	416.4	12.2	103.0	0.95	8.04
16.0-17.0	414.3	12.9	115.9	1.01	9.05
17.0-18.0	412.3	13.6	129.5	1.06	10.11
18.0-19.0	410.3	14.3	143.7	1.12	11.23
19.0-20.0	408.0	14.9	158.7	1.17	12.40
20.0-21.0	405.6	15.6	174.3	1.22	13.61
21.0-22.0	403.1	16.2	190.5	1.27	14.88
22.0-23.0	400.5	16.8	207.3	1.31	16.19
23.0-24.0	397.4	17.4	224.6	1.36	17.55
24.0-25.0	394.0	17.9	242.6	1.40	18.95
25.0-26.0	390.9	18.5	261.0	1.44	20.39
26.0-27.0	387.7	19.0	280.0	1.48	21.87
27.0-28.0	384.2	19.5	299.4	1.52	23.39
28.0-29.0	380.9	19.9	319.4	1.56	24.95
29.0-30.0	377.0	20.4	339.7	1.59	26.54
30.0-31.0	372.8	20.8	360.5	1.62	28.16
31.0-32.0	368.7	21.1	381.6	1.65	29.81
32.0-33.0	364.7	21.5	403.1	1.68	31.49
33.0-34.0	360.4	21.8	424.9	1.70	33.20
34.0-35.0	355.8	22.1	447.0	1.73	34.92
35.0-36.0	351.2	22.4	469.4	1.75	36.67

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-90.0:1.0  
 Test Device: GPM-1600L  
 Distance: 6.935 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	346.3	22.6	492.0	1.76	38.44
37.0-38.0	341.2	22.8	514.7	1.78	40.22
38.0-39.0	336.2	22.9	537.7	1.79	42.01
39.0-40.0	331.3	23.1	560.8	1.81	43.81
40.0-41.0	325.9	23.2	584.0	1.81	45.63
41.0-42.0	320.5	23.3	607.3	1.82	47.45
42.0-43.0	315.2	23.3	630.6	1.82	49.27
43.0-44.0	309.6	23.4	654.0	1.83	51.10
44.0-45.0	303.9	23.4	677.4	1.82	52.92
45.0-46.0	297.5	23.3	700.6	1.82	54.74
46.0-47.0	291.1	23.2	723.8	1.81	56.55
47.0-48.0	284.7	23.0	746.8	1.80	58.35
48.0-49.0	278.2	22.8	769.7	1.78	60.13
49.0-50.0	272.0	22.7	792.3	1.77	61.90
50.0-51.0	265.5	22.5	814.8	1.76	63.66
51.0-52.0	258.8	22.2	837.0	1.74	65.39
52.0-53.0	252.1	21.9	858.9	1.71	67.11
53.0-54.0	245.3	21.6	880.6	1.69	68.80
54.0-55.0	238.5	21.3	901.9	1.66	70.46
55.0-56.0	231.3	20.9	922.8	1.63	72.09
56.0-57.0	224.1	20.5	943.2	1.60	73.69
57.0-58.0	217.2	20.1	963.3	1.57	75.26
58.0-59.0	210.0	19.6	983.0	1.53	76.80
59.0-60.0	202.8	19.2	1002.1	1.50	78.30
60.0-61.0	195.4	18.7	1020.8	1.46	79.75
61.0-62.0	187.8	18.1	1038.9	1.41	81.17
62.0-63.0	180.5	17.6	1056.4	1.37	82.54
63.0-64.0	173.0	17.0	1073.4	1.33	83.86
64.0-65.0	165.2	16.4	1089.8	1.28	85.14
65.0-66.0	157.9	15.8	1105.5	1.23	86.37
66.0-67.0	150.4	15.1	1120.7	1.18	87.56
67.0-68.0	142.9	14.5	1135.1	1.13	88.69
68.0-69.0	135.3	13.8	1148.9	1.08	89.76
69.0-70.0	127.7	13.1	1162.1	1.02	90.79
70.0-71.0	120.6	12.5	1174.5	0.97	91.76
71.0-72.0	113.2	11.8	1186.3	0.92	92.68

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-90.0:1.0  
 Test Device: GPM-1600L  
 Distance: 6.935 m  
 Humidity:  
 Inspector:



## Candlepower Table

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G0.0	431.4	429.8	432.2	429.7	431.6	431.0	431.4	429.8	432.2	429.7
G1.0	427.3	430.5	426.9	432.5	430.4	430.8	430.1	432.1	428.8	429.9
G2.0	425.6	428.3	428.2	431.6	429.4	433.0	428.2	428.7	430.4	429.8
G3.0	424.7	428.1	431.2	432.9	430.8	431.4	432.6	427.6	432.4	426.7
G4.0	427.5	426.1	430.9	431.5	429.5	430.4	427.9	429.9	429.4	428.3
G5.0	429.5	429.4	429.7	431.6	431.9	431.4	428.5	430.0	428.4	429.2
G6.0	425.6	426.1	429.7	429.6	430.5	431.4	429.8	427.0	425.5	427.9
G7.0	425.6	428.7	428.7	428.8	431.2	430.3	426.2	428.9	427.1	428.3
G8.0	424.3	422.5	425.1	429.3	430.0	430.2	428.2	428.9	426.1	426.2
G9.0	420.6	422.3	426.2	427.6	431.0	430.0	427.4	427.6	427.0	425.1
G10.0	423.9	424.5	426.9	425.8	428.6	428.9	423.8	423.5	425.5	422.2
G11.0	418.3	421.6	423.6	427.2	429.1	427.8	425.6	423.0	423.0	422.8
G12.0	420.1	420.1	423.0	424.2	426.7	426.9	422.0	422.0	420.9	419.6
G13.0	414.8	419.0	422.6	424.1	423.9	425.8	425.0	420.7	420.8	416.5
G14.0	414.1	417.3	421.1	422.9	425.1	423.9	419.9	422.9	418.2	418.1
G15.0	413.2	416.1	418.8	421.1	423.1	424.0	418.8	418.7	418.7	413.0
G16.0	407.6	411.1	417.6	421.4	420.9	421.4	419.6	418.5	415.3	412.8
G17.0	408.1	408.6	412.1	419.6	418.8	420.4	414.7	417.0	413.5	409.1
G18.0	406.5	408.9	411.0	416.4	419.0	417.6	415.1	414.5	410.1	408.9
G19.0	403.3	404.8	411.3	414.0	415.5	416.3	411.6	411.8	409.9	406.9
G20.0	401.3	404.0	409.8	411.2	414.8	414.5	411.4	410.4	405.6	400.4
G21.0	396.0	400.7	405.5	409.3	411.8	412.6	408.2	409.4	403.9	401.0
G22.0	393.5	399.8	403.3	407.9	410.0	408.9	407.1	404.8	401.7	397.7
G23.0	391.4	393.4	401.0	406.0	407.1	407.3	405.3	404.1	399.1	394.8
G24.0	387.7	391.6	398.9	399.1	404.0	404.1	403.7	398.4	394.2	391.4
G25.0	384.4	389.4	394.2	398.5	401.2	401.5	399.5	397.5	391.6	385.5
G26.0	380.8	384.9	391.2	395.9	399.6	400.4	396.0	390.4	389.2	385.8
G27.0	374.8	381.3	390.5	393.2	396.7	396.0	390.1	390.2	383.3	380.6
G28.0	373.6	379.0	382.6	390.6	392.1	393.1	390.0	386.8	382.2	376.8
G29.0	370.1	374.5	382.0	385.2	390.6	389.4	387.1	382.3	380.0	373.9
G30.0	364.2	370.3	376.5	382.3	388.1	385.7	382.7	378.0	371.5	369.0
G31.0	359.2	364.8	372.8	379.4	382.6	382.9	378.6	376.5	368.7	365.4
G32.0	354.7	362.1	367.3	375.6	378.0	376.9	375.2	372.3	365.8	360.6
G33.0	349.9	356.6	365.0	372.3	376.4	375.8	369.5	368.8	362.3	354.7
G34.0	347.7	352.1	360.0	365.9	370.9	370.5	367.4	363.5	356.0	351.2
G35.0	339.9	344.8	356.1	362.2	367.4	366.1	361.2	361.1	353.0	347.4
G36.0	337.4	341.3	351.4	358.9	363.3	361.6	357.6	356.0	347.6	341.9

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-90.0:1.0  
 Test Device: GPM-1600L  
 Distance: 6.935 m  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G37.0	330.6	335.0	346.9	353.9	358.2	358.5	354.1	347.8	342.5	337.5
G38.0	326.4	332.1	339.8	348.0	354.1	353.4	349.8	343.5	335.8	331.6
G39.0	318.0	327.7	336.5	344.6	347.8	348.8	344.9	340.4	332.6	326.3
G40.0	314.1	321.4	330.6	336.9	343.8	343.0	342.3	336.6	328.4	320.3
G41.0	307.5	316.3	324.2	334.0	339.2	337.9	336.3	328.8	322.3	314.8
G42.0	304.3	310.2	319.1	327.8	334.7	333.1	331.0	324.6	315.9	311.2
G43.0	298.0	304.3	312.2	322.5	328.8	327.3	325.9	319.9	312.1	304.4
G44.0	292.6	298.9	308.6	317.4	323.3	322.5	322.2	313.7	305.6	298.2
G45.0	286.5	291.2	302.6	311.2	317.5	316.8	316.0	309.8	299.3	290.8
G46.0	277.2	286.9	294.7	306.0	311.1	310.9	308.9	302.5	293.3	285.2
G47.0	270.8	280.1	290.4	300.5	304.5	305.8	303.1	295.7	286.2	277.5
G48.0	263.5	273.0	283.2	292.2	299.3	299.3	295.2	290.2	280.6	271.9
G49.0	258.1	264.7	276.2	287.5	293.4	292.8	289.6	283.7	273.9	265.5
G50.0	252.5	260.1	271.1	279.0	286.8	287.1	285.9	278.2	265.9	259.2
G51.0	246.3	252.1	263.8	274.4	279.7	281.1	277.4	268.5	261.6	252.8
G52.0	239.1	245.2	257.9	269.2	271.6	273.1	273.1	263.1	254.8	245.4
G53.0	232.8	238.9	251.0	260.6	267.7	267.7	264.6	256.3	245.9	239.1
G54.0	224.4	231.7	242.6	254.6	259.5	261.1	260.5	250.3	240.5	230.7
G55.0	218.1	225.3	236.5	245.9	254.4	254.8	252.3	244.6	233.5	223.6
G56.0	209.1	218.8	229.9	239.7	246.5	247.9	244.1	237.3	225.3	215.8
G57.0	203.1	210.7	221.2	232.5	238.8	240.7	239.1	231.3	218.5	210.4
G58.0	196.8	203.2	213.9	225.6	232.3	234.0	231.9	224.3	212.4	202.8
G59.0	187.8	195.1	207.1	218.9	225.6	226.4	225.8	216.8	203.9	195.2
G60.0	181.9	188.9	200.3	211.9	218.1	219.5	218.5	208.4	197.8	188.1
G61.0	174.9	181.2	192.2	202.9	210.9	211.7	209.3	201.4	190.2	180.3
G62.0	165.8	174.3	185.3	196.6	203.0	205.0	203.3	192.4	181.9	172.9
G63.0	159.5	167.3	178.0	188.4	196.5	197.6	195.6	186.7	175.0	165.4
G64.0	151.1	158.7	169.1	180.9	188.1	189.3	189.2	179.9	165.7	157.5
G65.0	143.8	150.8	160.9	173.1	180.6	182.4	181.9	171.5	159.5	149.8
G66.0	137.2	144.4	154.8	166.2	173.4	175.2	174.4	164.8	151.7	142.5
G67.0	128.4	136.7	146.9	158.0	164.9	167.2	165.9	156.7	143.4	135.1
G68.0	121.5	129.6	140.3	150.3	157.9	160.8	159.4	149.8	136.5	127.2
G69.0	113.7	121.9	131.5	143.1	149.8	151.6	150.1	141.5	128.9	119.7
G70.0	106.2	114.6	124.4	134.8	142.9	145.0	144.1	133.9	122.4	112.1
G71.0	98.9	107.0	117.5	128.6	135.4	137.9	137.2	127.6	114.8	105.6
G72.0	91.7	100.1	110.1	120.2	127.4	129.9	127.7	119.1	107.4	97.3
G73.0	84.3	93.0	102.4	113.1	120.4	122.6	121.0	111.6	99.7	90.8

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-90.0:1.0  
 Test Device: GPM-1600L  
 Distance: 6.935 m  
 Humidity:  
 Inspector:





### Candlepower Table (Continue 3)

Unit: cd

G\C	C300.0	C330.0	C360.0						
G0.0	431.6	431.0	431.4						
G1.0	432.1	430.9	427.3						
G2.0	431.9	430.0	425.6						
G3.0	429.4	429.3	424.7						
G4.0	427.1	429.9	427.5						
G5.0	428.4	427.5	429.5						
G6.0	427.5	427.7	425.6						
G7.0	425.6	423.5	425.6						
G8.0	424.9	423.8	424.3						
G9.0	424.0	422.2	420.6						
G10.0	421.6	419.7	423.9						
G11.0	419.1	419.5	418.3						
G12.0	419.6	417.5	420.1						
G13.0	418.0	416.8	414.8						
G14.0	414.1	413.3	414.1						
G15.0	412.3	410.7	413.2						
G16.0	411.1	409.3	407.6						
G17.0	408.1	407.4	408.1						
G18.0	405.7	404.3	406.5						
G19.0	402.7	401.4	403.3						
G20.0	399.1	400.3	401.3						
G21.0	398.7	395.6	396.0						
G22.0	394.0	393.7	393.5						
G23.0	391.2	388.8	391.4						
G24.0	387.5	387.6	387.7						
G25.0	382.0	381.8	384.4						
G26.0	380.7	380.1	380.8						
G27.0	377.8	375.2	374.8						
G28.0	372.9	371.5	373.6						
G29.0	368.3	368.0	370.1						
G30.0	365.3	364.0	364.2						
G31.0	360.6	358.9	359.2						
G32.0	355.6	354.9	354.7						
G33.0	351.2	351.0	349.9						
G34.0	347.2	344.0	347.7						
G35.0	342.3	340.2	339.9						
G36.0	336.0	334.1	337.4						

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-90.0:1.0  
 Test Device: GPM-1600L  
 Distance: 6.935 m  
 Humidity:  
 Inspector:

### Candlepower Table (Continue 4)

Unit: cd

G\C	C300.0	C330.0	C360.0						
G37.0	329.9	329.2	330.6						
G38.0	325.3	323.9	326.4						
G39.0	319.8	317.4	318.0						
G40.0	315.0	313.1	314.1						
G41.0	308.8	306.3	307.5						
G42.0	302.8	301.9	304.3						
G43.0	296.8	295.4	298.0						
G44.0	290.1	290.3	292.6						
G45.0	284.6	283.5	286.5						
G46.0	277.8	275.2	277.2						
G47.0	271.8	271.2	270.8						
G48.0	264.9	262.4	263.5						
G49.0	258.6	256.3	258.1						
G50.0	251.8	250.4	252.5						
G51.0	243.9	243.3	246.3						
G52.0	237.6	235.1	239.1						
G53.0	230.7	228.7	232.8						
G54.0	223.8	222.5	224.4						
G55.0	217.0	215.0	218.1						
G56.0	208.1	207.4	209.1						
G57.0	201.6	200.0	203.1						
G58.0	195.0	193.3	196.8						
G59.0	186.3	185.8	187.8						
G60.0	180.4	178.8	181.9						
G61.0	171.5	171.4	174.9						
G62.0	164.2	164.1	165.8						
G63.0	157.0	156.7	159.5						
G64.0	149.4	148.7	151.1						
G65.0	142.3	141.3	143.8						
G66.0	134.1	134.1	137.2						
G67.0	127.3	126.3	128.4						
G68.0	119.7	119.5	121.5						
G69.0	111.9	111.6	113.7						
G70.0	104.8	104.9	106.2						
G71.0	97.6	97.3	98.9						
G72.0	90.3	89.8	91.7						
G73.0	83.2	81.9	84.3						

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-90.0:1.0  
 Test Device: GPM-1600L  
 Distance: 6.935 m  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	75.3	75.2	76.8							
G75.0	69.2	67.7	70.2							
G76.0	62.8	60.9	63.6							
G77.0	55.8	53.7	55.7							
G78.0	49.5	47.3	49.2							
G79.0	43.6	40.9	43.3							
G80.0	36.9	34.3	37.0							
G81.0	31.2	28.7	31.1							
G82.0	24.9	23.6	25.1							
G83.0	19.3	18.3	19.5							
G84.0	14.0	14.0	14.9							
G85.0	8.9	8.9	10.6							
G86.0	4.6	4.6	6.1							
G87.0	1.4	0.9	1.1							
G88.0	0.9	0.7	0.4							
G89.0	0.9	0.8	0.4							
G90.0	0.9	0.7	0.5							