

Report No.:

Test Time: 2018-08-22 17:48

## Luminaire Property

Luminaire Manufacturer:

Luminaire Description: MR16-7W-3000K-36D

Voltage: 12.1 V

Current: 0.658 A

Power: 6.30 W

Power Factor: 0.787

## Photometric Results

CIE Class: Direct

Measurement Flux: 632 lm

Downward Ratio: 99%

Total Rated Lamp Lumens: 632.0 lm

Efficiency: 100%

Upward Ratio: 1%

Horizontal Diffuse Angle(10%,25%,50%,75%): H83.3,H67.7,H50.4,H32.8

Vertical Diffuse Angle(10%,25%,50%,75%): V84.4,V69,V51.7,V34.1

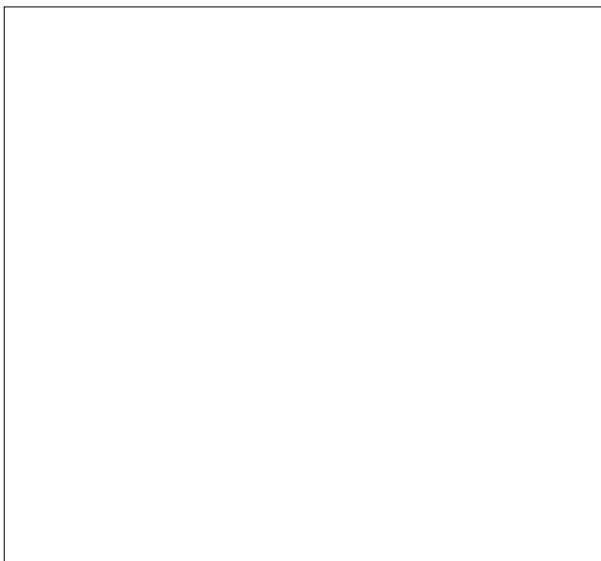
Luminaire Efficacy Rating (LER): 100

Central Intensity: 805.44 cd

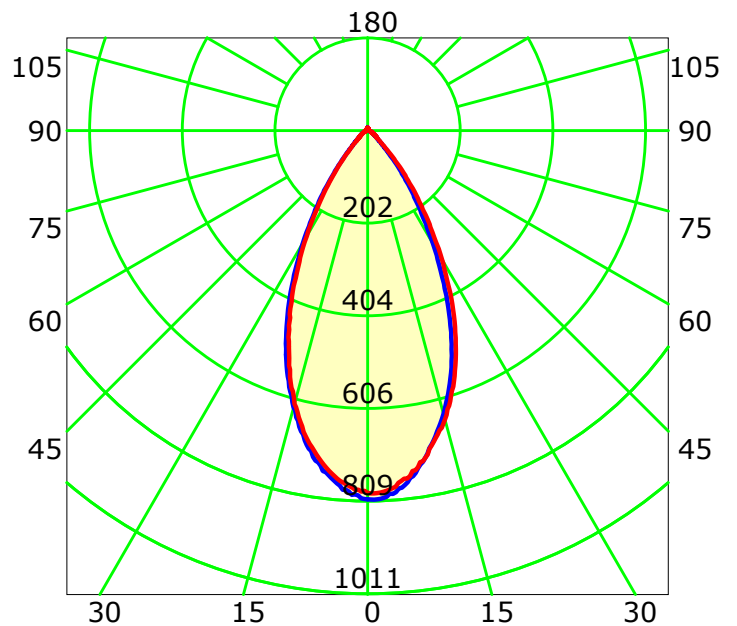
Max. Intensity: 806.04 cd

Pos of Max. Intensity: H0 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

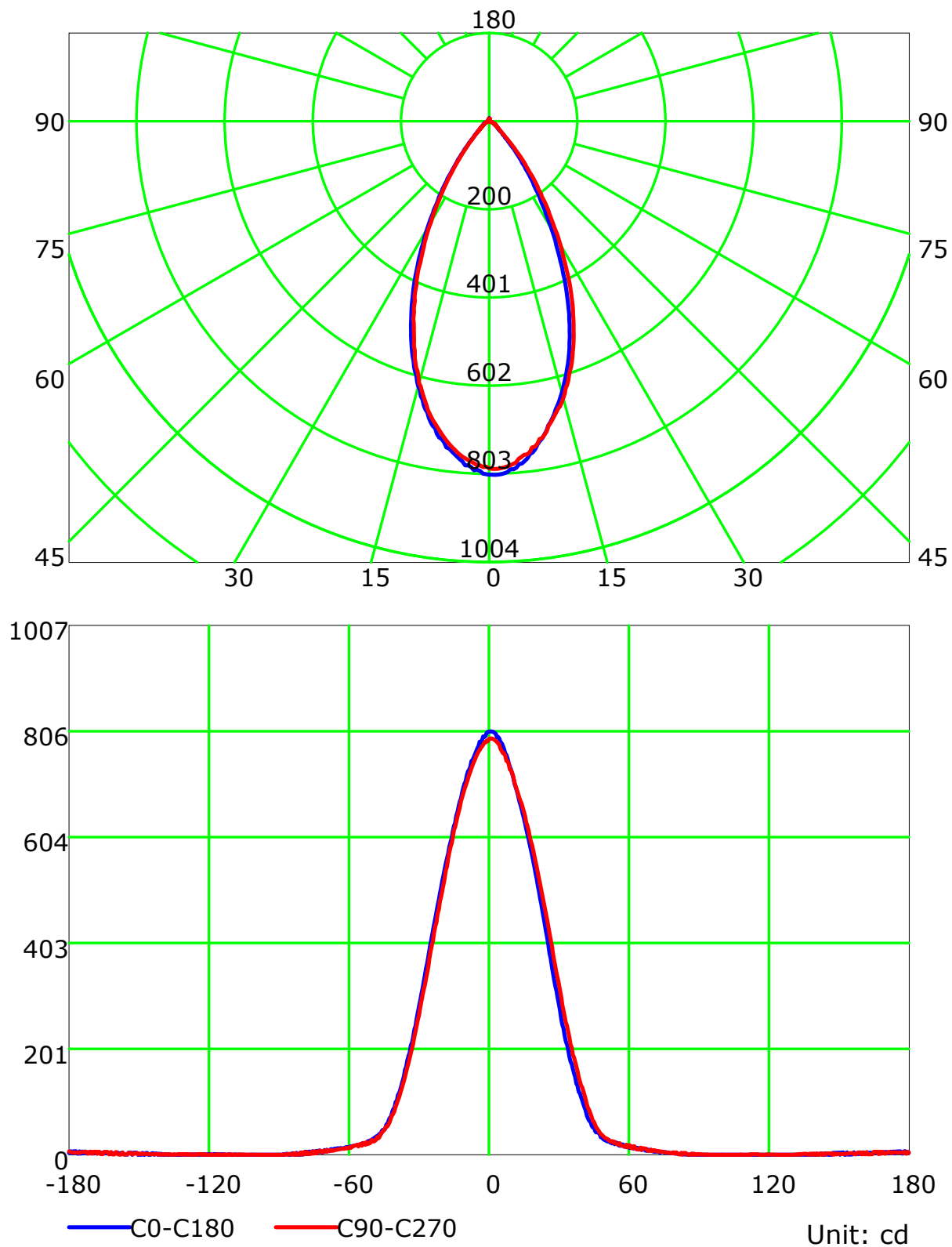
Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

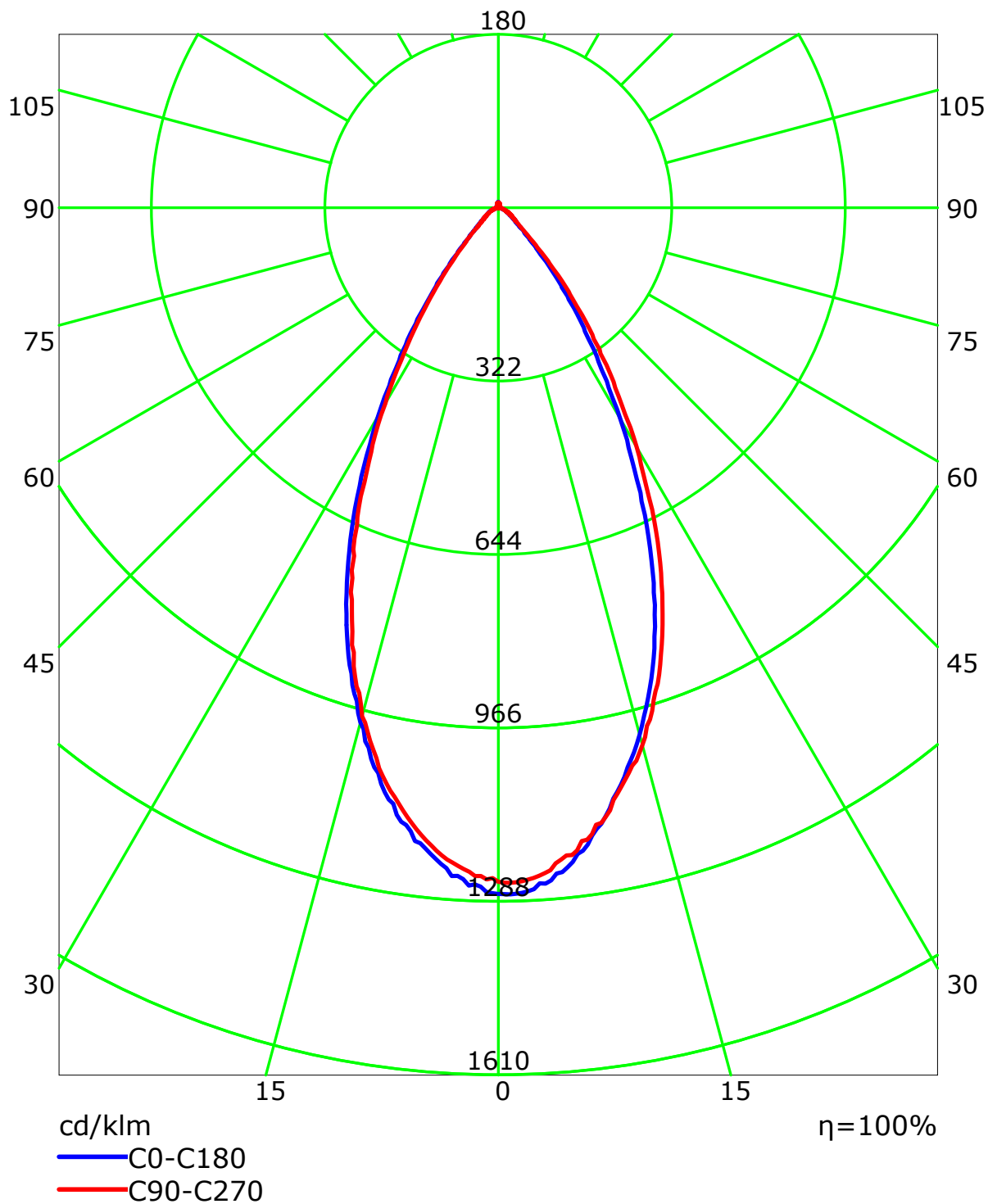
## Luminous Intensity Distribution Curve



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

Gamma Plane (°):0.0-180.0:0.5  
Test Device: GPM-1600  
Distance: 8.177 m  
Humidity:  
Inspector:

## Luminous Intensity Distribution Curve(cd/klm)



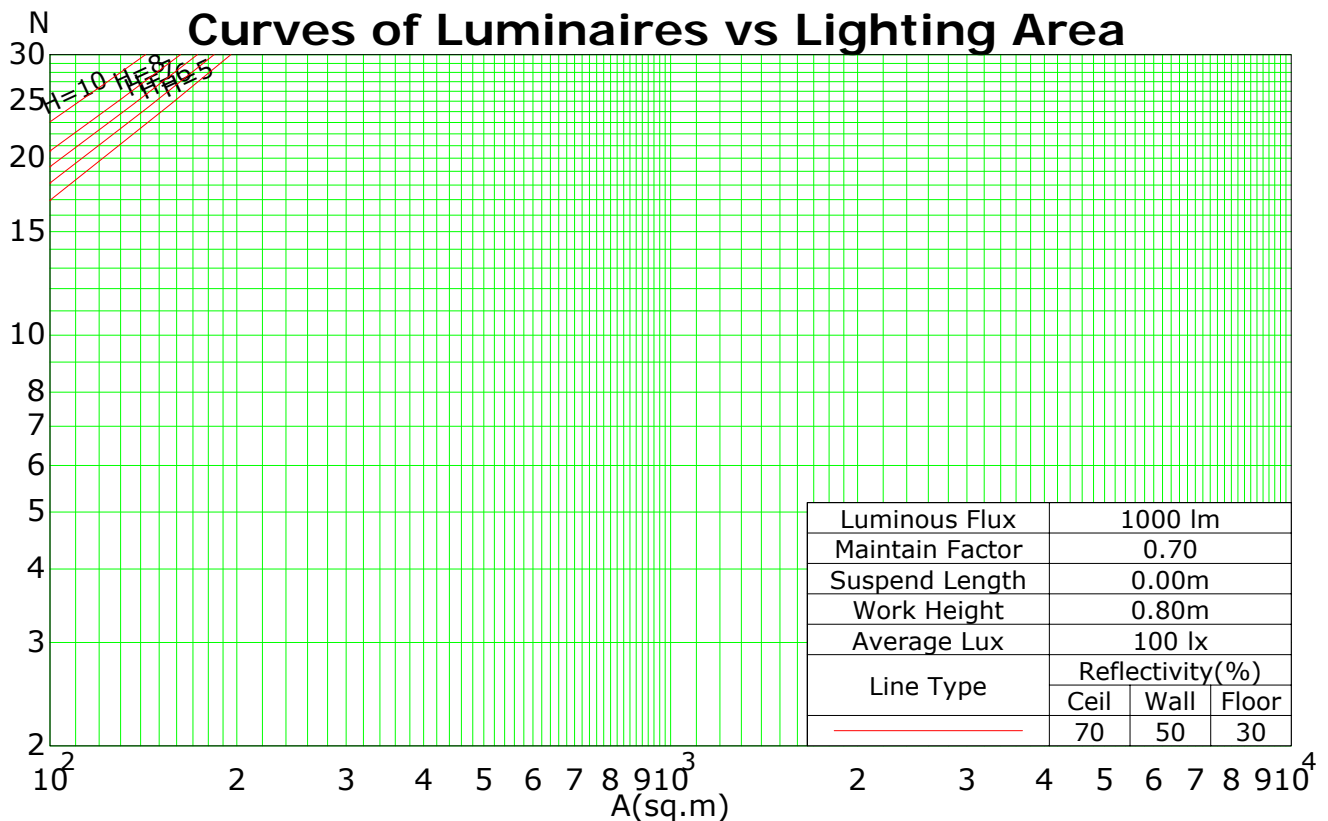
C Plane (°):0.0-360.0: 45.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-180.0:0.5  
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	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85
3	101	95	89	85	99	93	88	84	90	86	83	88	84	82	85	83	80	79
4	96	88	82	78	94	87	82	77	85	80	76	83	79	75	81	77	75	73
5	91	82	76	72	89	81	76	72	79	75	71	78	73	70	76	72	69	68
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	63
7	82	73	66	62	81	72	66	62	71	65	62	69	65	61	68	64	61	59
8	78	68	62	58	77	68	62	58	67	61	58	66	61	57	65	60	57	56
9	74	65	59	55	73	64	58	54	63	58	54	62	57	54	61	57	54	52
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	49

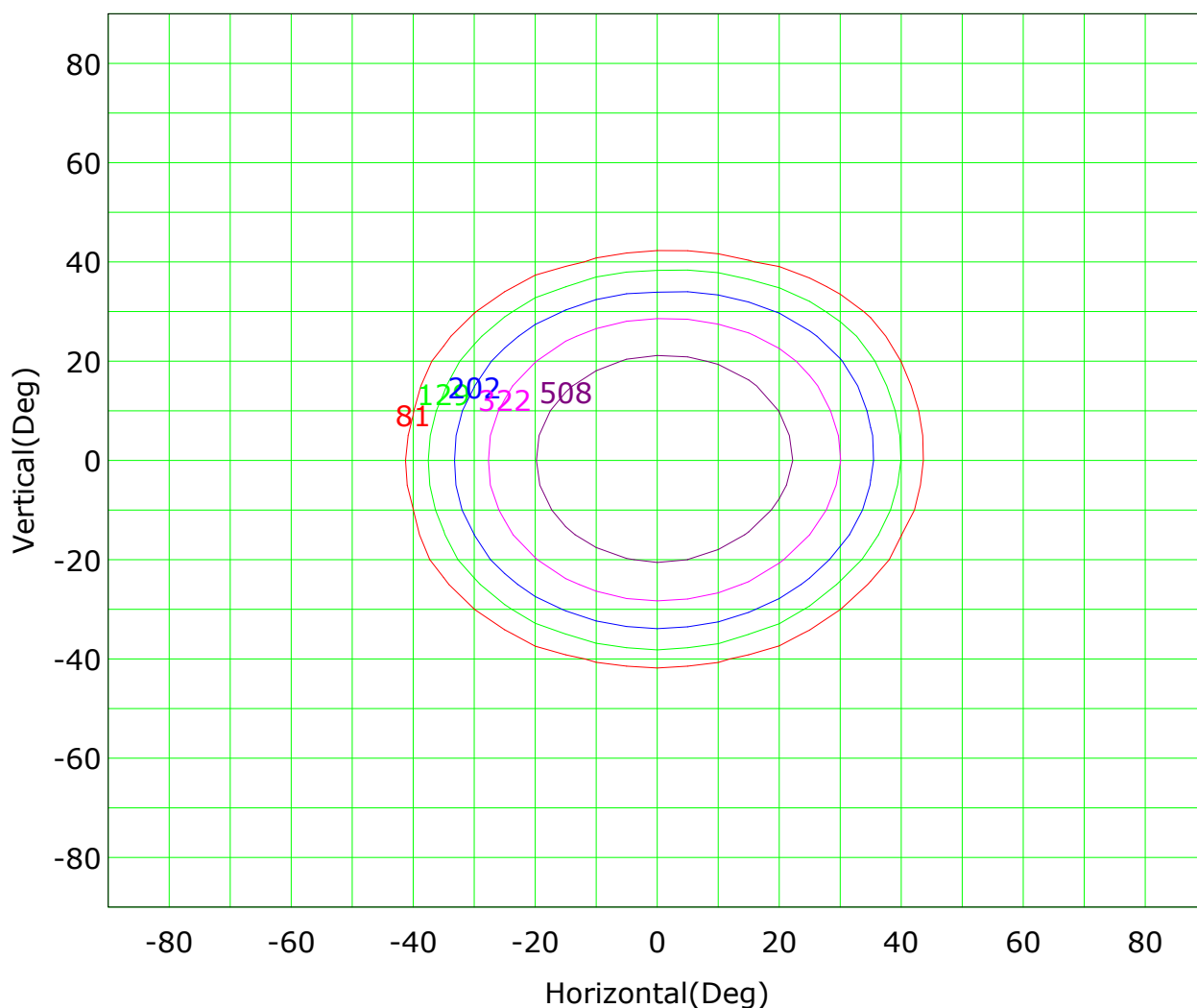
Spacing Criteria (0-180): 0.78  
Spacing Criteria (90-270): 0.80  
Spacing Criteria (Diagonal): 0.79



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

Gamma Plane (°):0.0-180.0:0.5  
Test Device: GPM-1600  
Distance: 8.177 m  
Humidity:  
Inspector:

## Isocandela (rectangle)

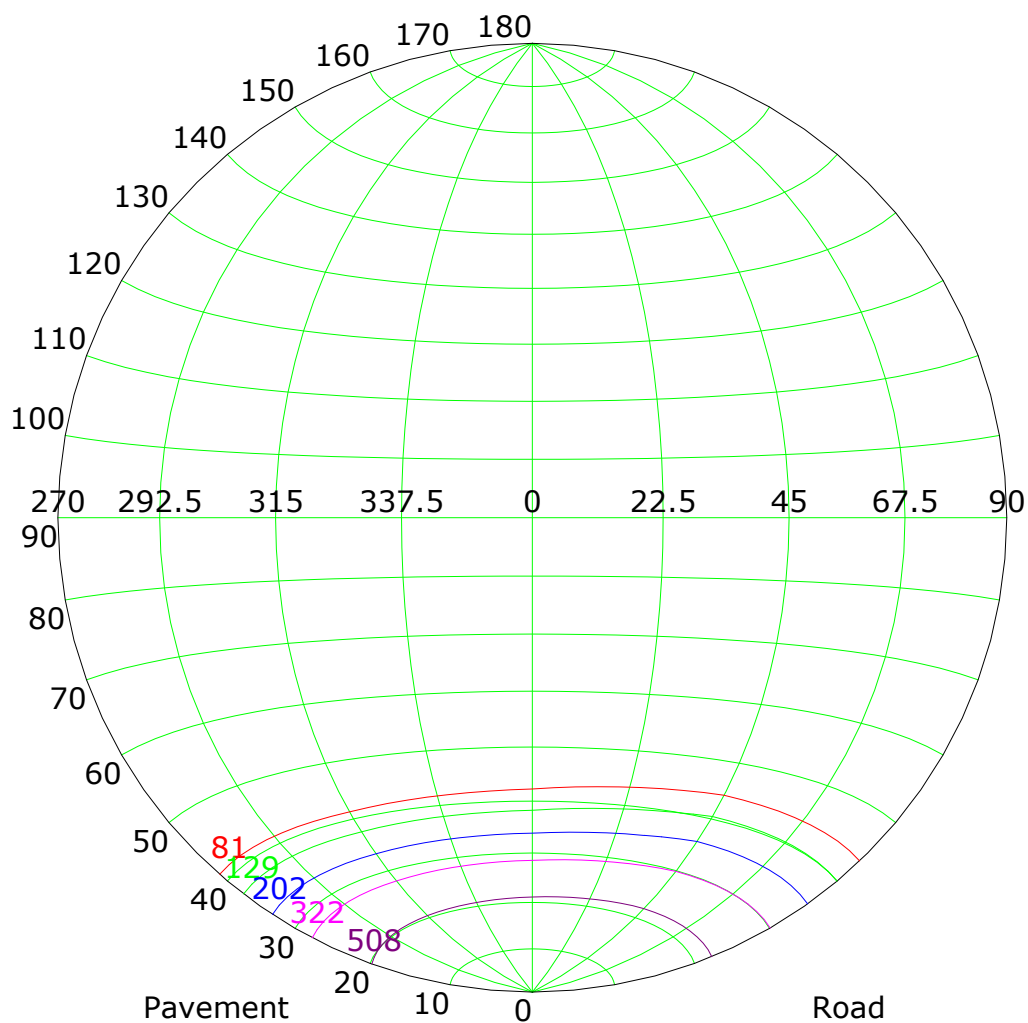


( 10%): 81 cd	( 16%): 129 cd
( 25%): 202 cd	( 40%): 322 cd
( 63%): 508 cd	(100%): 806 cd

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

Gamma Plane (°):0.0-180.0:0.5  
Test Device: GPM-1600  
Distance: 8.177 m  
Humidity:  
Inspector:

## Isocandela (sphere)



Imax (100%): 806 cd

( 10%): 81 cd	( 16%): 129 cd
( 25%): 202 cd	( 40%): 322 cd
( 63%): 508 cd	(100%): 806 cd

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

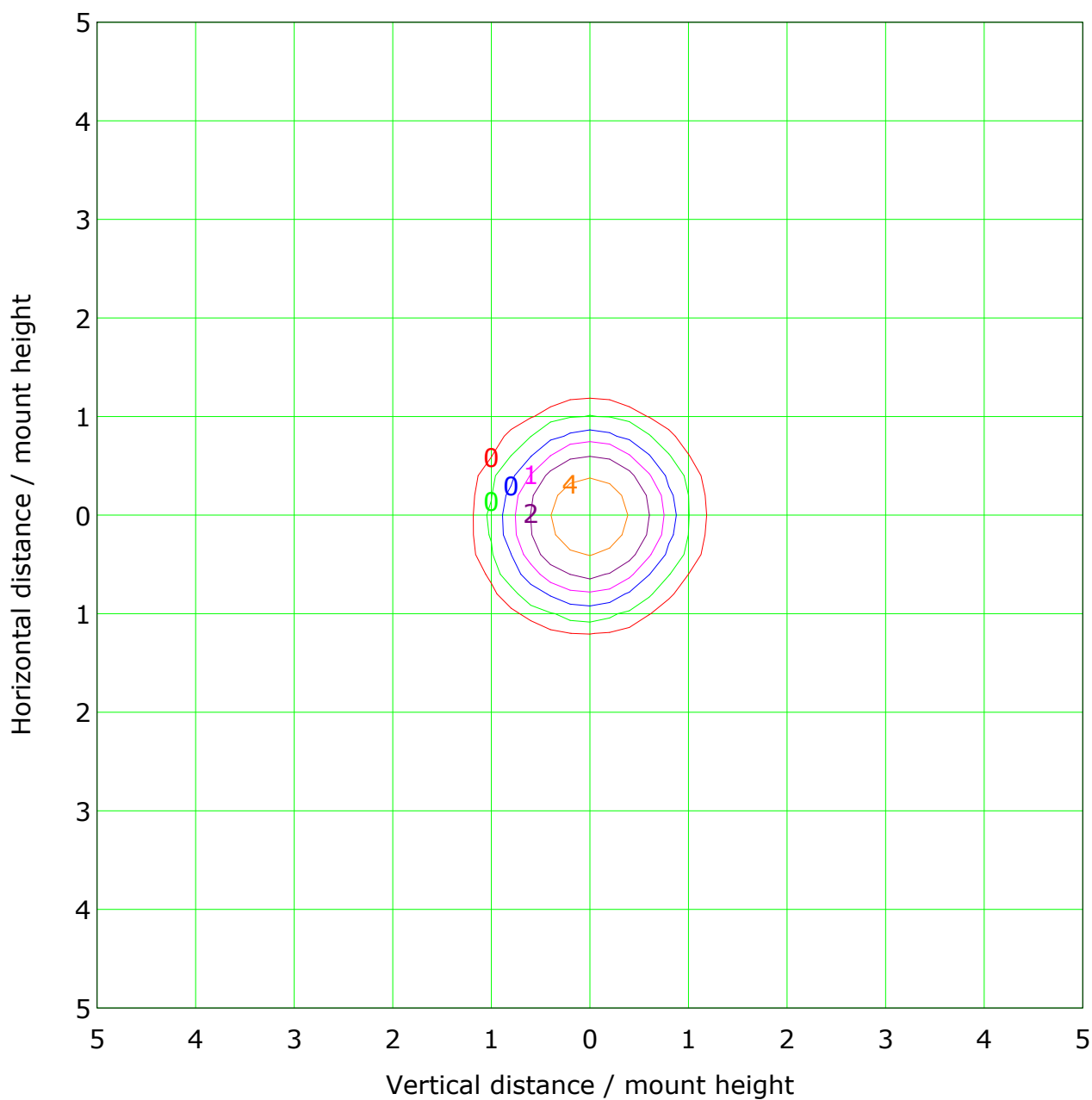
Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10.0m    Max Lux(100%): 8.1 lx

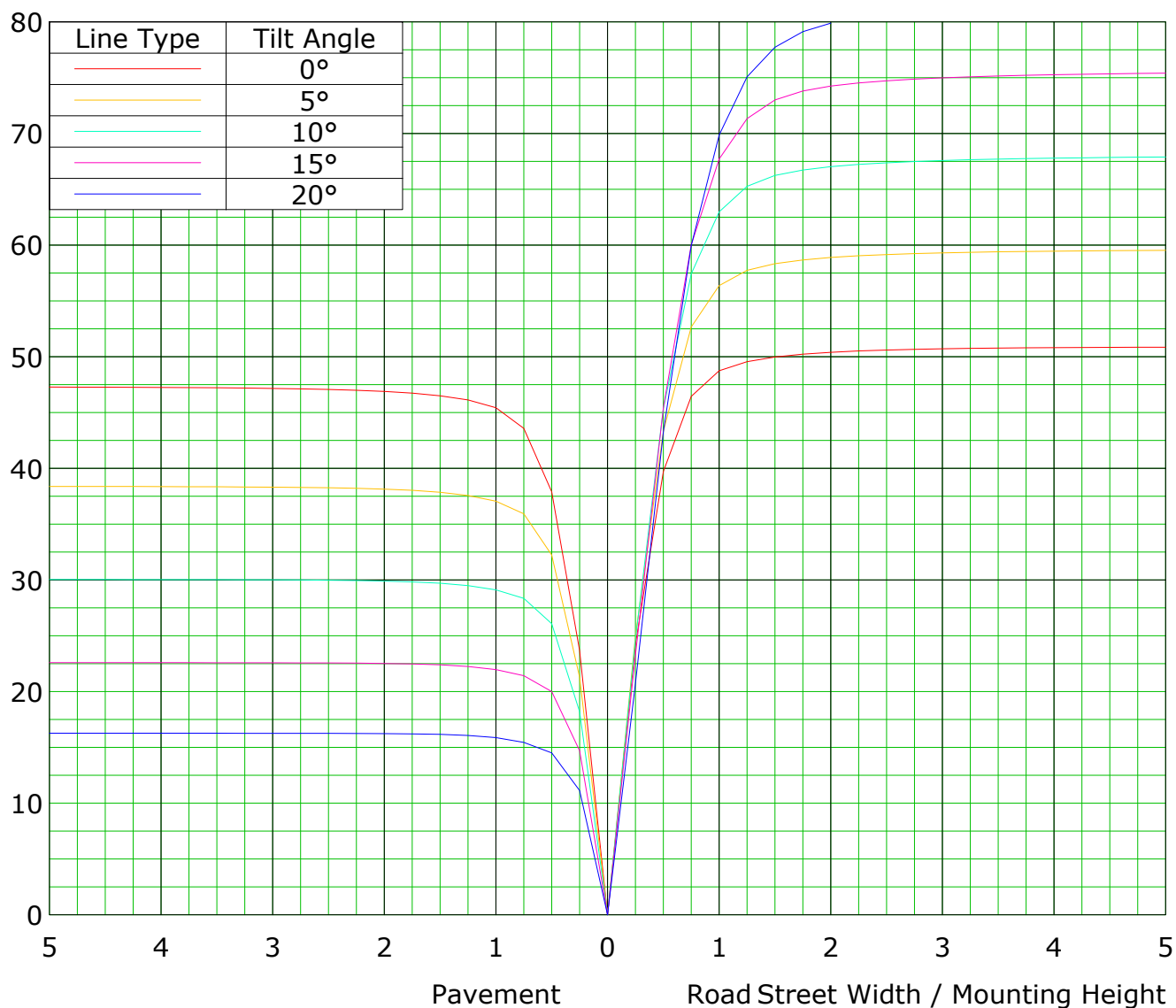
— ( 1%): 0.1 lx	— ( 2%): 0.2 lx
— ( 5%): 0.4 lx	— (10%): 0.8 lx
— (20%): 1.6 lx	— (50%): 4.0 lx
— (100%): 8.1 lx	

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

Gamma Plane (°):0.0-180.0:0.5  
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 (°):0.0-180.0:0.5

Test Device: GPM-1600

Distance: 8.177 m

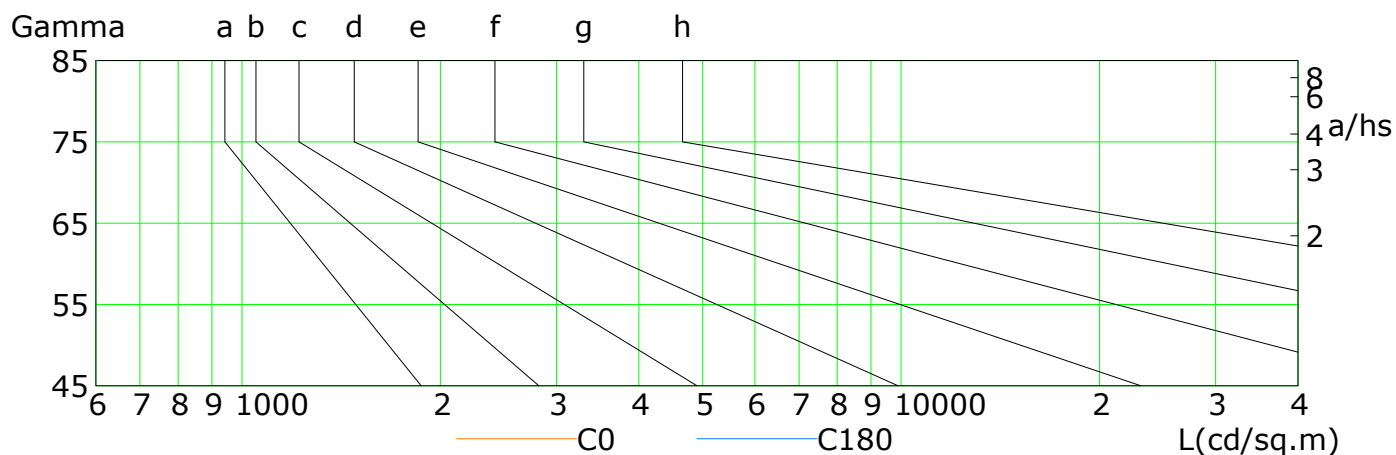
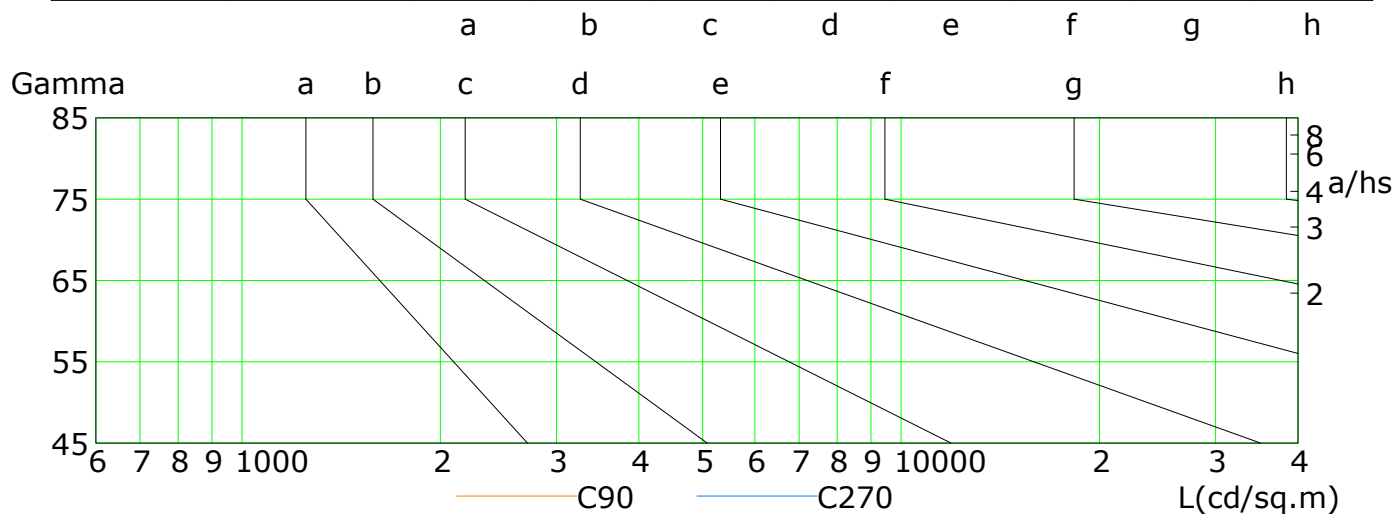
Humidity:

Inspector:



## Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
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



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	53	27	23	14	12	9	6	2	0
C90	63	32	20	18	14	7	5	5	0
C180	47	30	20	15	12	6	3	0	0
C270	47	28	21	15	10	8	3	0	0

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

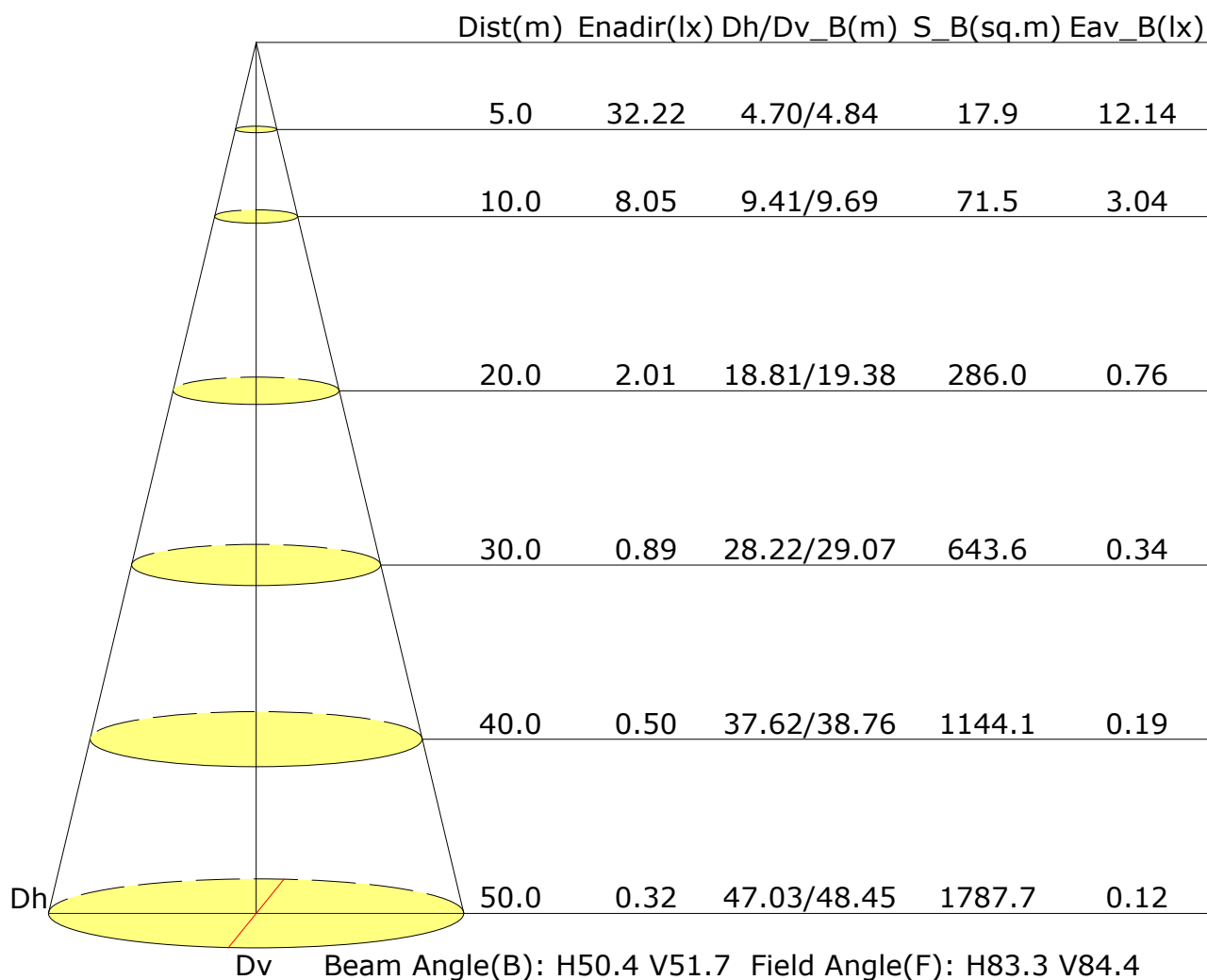
Test Device: GPM-1600

Distance: 8.177 m

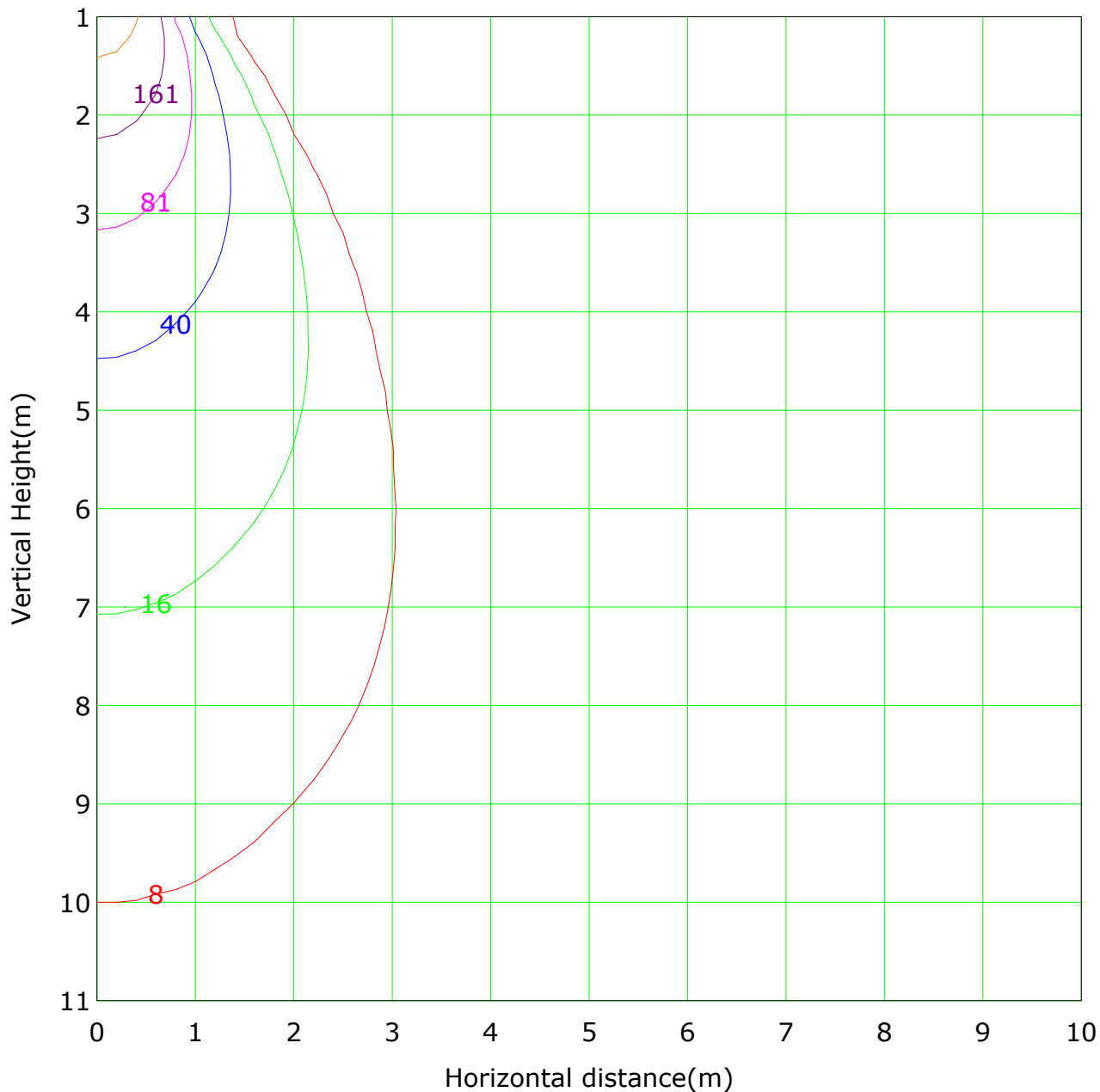
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



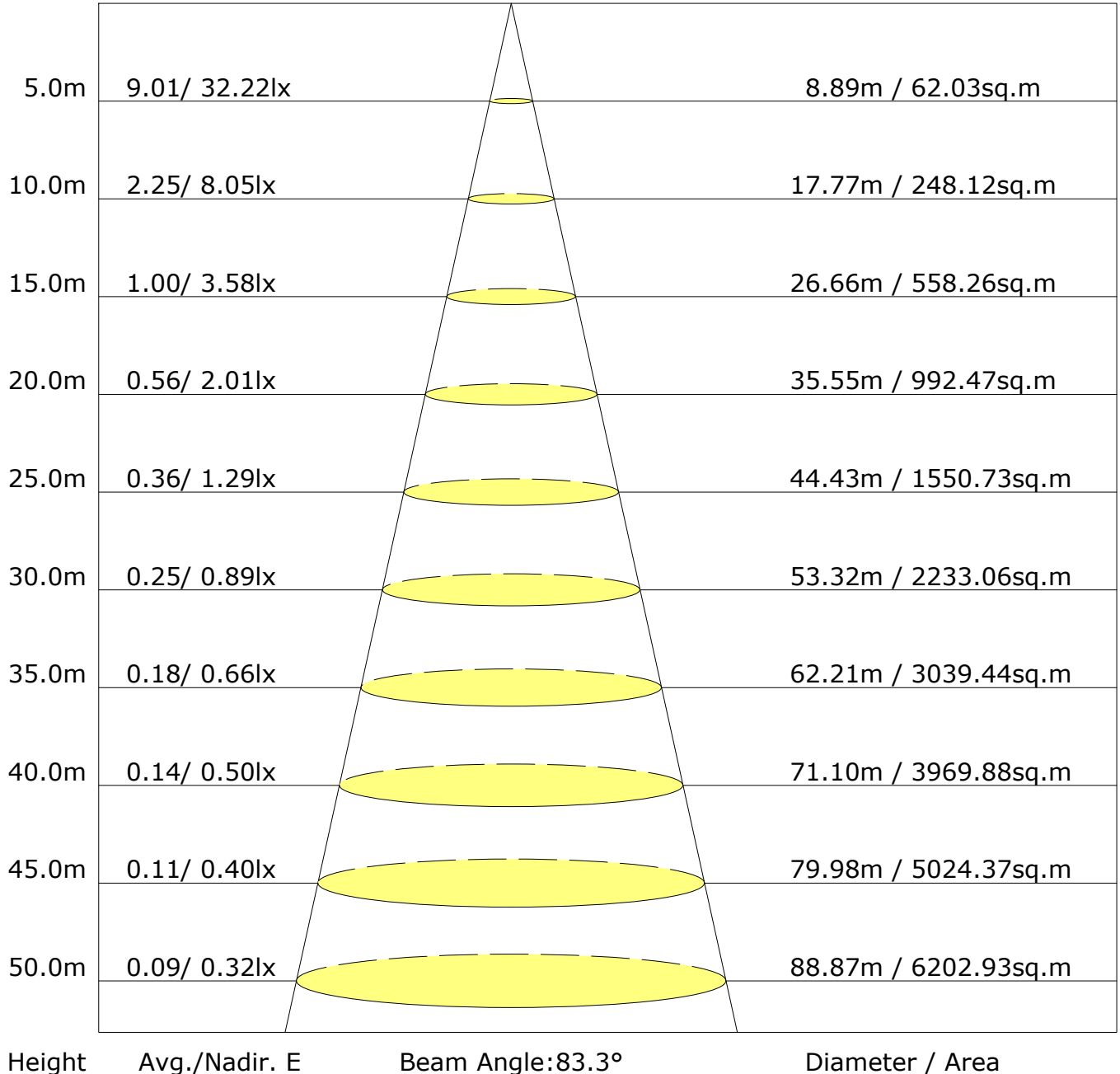
Lowest(m): 1.0m    Highest(m): 11.0m    Max Lux: 805.4 lx

( 1%): 8.1 lx	( 2%): 16.1 lx
( 5%): 40.3 lx	( 10%): 80.5 lx
( 20%): 161.1 lx	( 50%): 402.7 lx
(100%): 805.4 lx	

Gamma Plane (°):0.0-180.0:0.5  
Test Device: GPM-1600  
Distance: 8.177 m  
Humidity:  
Inspector:

## The Average Illuminance Effective Figure

Flux Out: 558.87lm



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

Gamma Plane (°): 0.0-180.0: 0.5  
Test Device: GPM-1600  
Distance: 8.177 m  
Humidity:  
Inspector:

## UGR Table

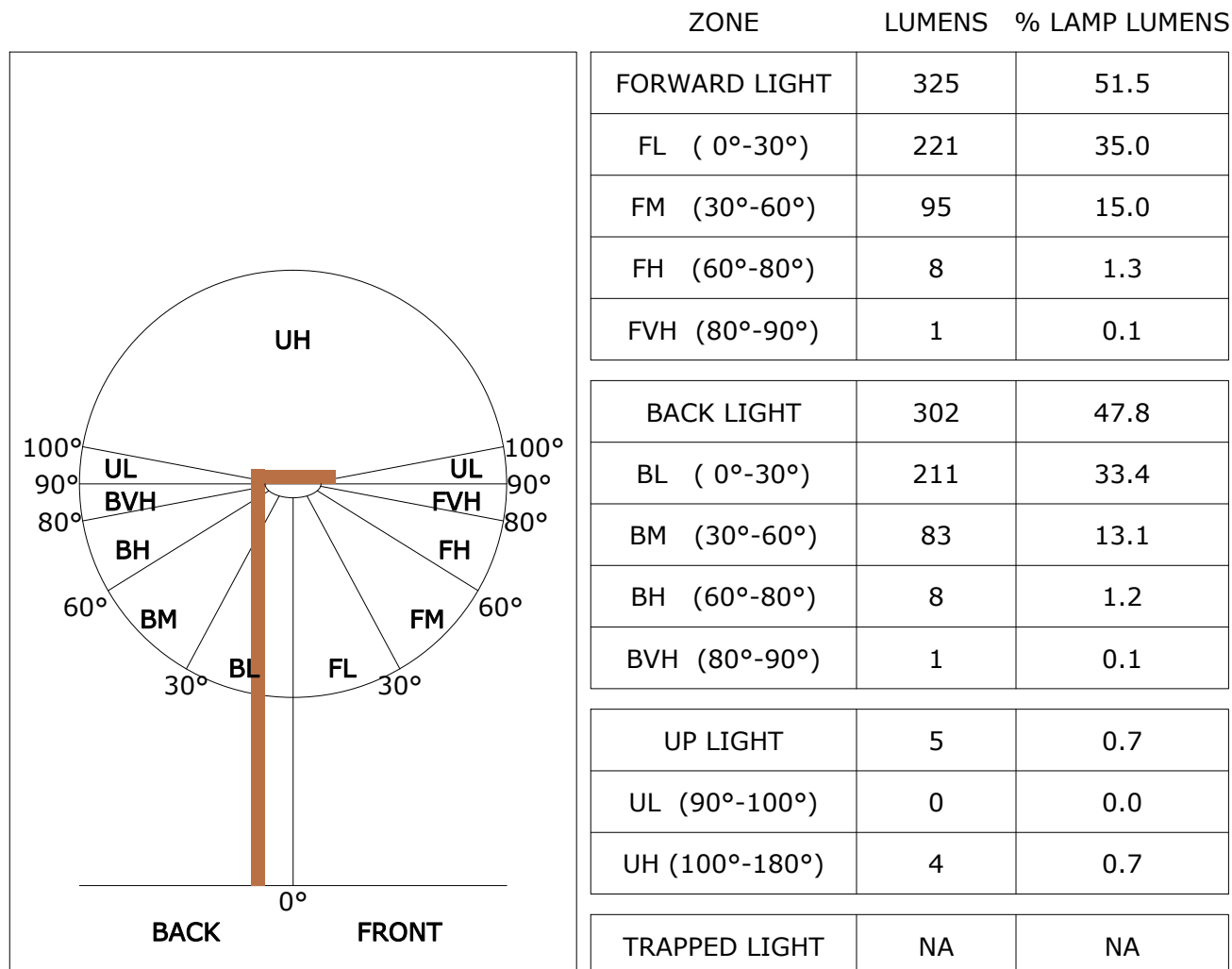
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
3H	1.\$	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 (°):0.0-180.0:0.5  
Test Device: GPM-1600  
Distance: 8.177 m  
Humidity:  
Inspector:

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

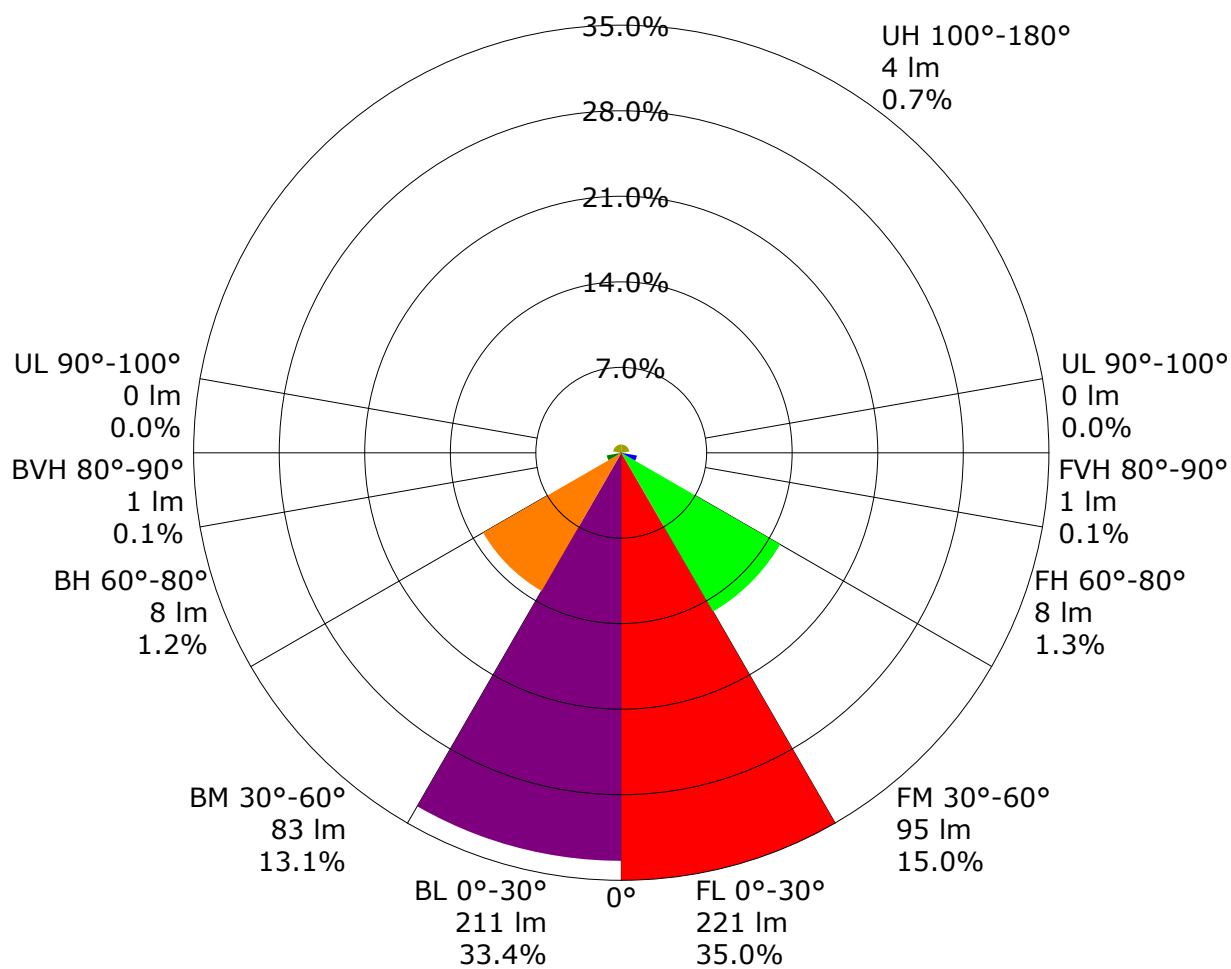


BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U1 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U1 G0

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

Gamma Plane (°):0.0-180.0:0.5  
Test Device: GPM-1600  
Distance: 8.177 m  
Humidity:  
Inspector:

## LCS Graph



**Forward Light**

Scale= MAX LCS%

Trapped Light:NA,NA

**Back Light**

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

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	0.80	0.87	0.92	0.96	1.00	1.03	1.05	1.08	1.10	
	0.30		0.75	0.83	0.88	0.91	0.97	1.00	1.02	1.05	1.08	
	0.20		0.71	0.79	0.84	0.88	0.94	0.97	1.00	1.03	1.06	
0.50	0.50	0.20	0.79	0.86	0.90	0.93	0.97	1.00	1.02	1.04	1.05	
	0.30		0.74	0.81	0.86	0.90	0.94	0.97	0.99	1.02	1.04	
	0.20		0.71	0.78	0.83	0.87	0.92	0.95	0.97	1.00	1.02	
0.30	0.50	0.20	0.77	0.84	0.88	0.91	0.95	0.97	0.98	1.00	1.02	
	0.30		0.73	0.80	0.85	0.88	0.92	0.95	0.97	0.99	1.00	
	0.20		0.70	0.77	0.82	0.85	0.90	0.93	0.95	0.97	0.99	
0.00	0.00	0.00	0.69	0.75	0.80	0.83	0.87	0.89	0.91	0.93	0.94	
<p>Rating:6W 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>												

## 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	0.64	0.52	0.43	0.37	0.29	0.24	0.20	0.16	0.13	
	0.30		0.54	0.44	0.38	0.33	0.26	0.22	0.19	0.15	0.12	
	0.20		0.46	0.39	0.34	0.30	0.24	0.20	0.18	0.14	0.12	
0.50	0.50	0.20	0.61	0.49	0.41	0.35	0.27	0.26	0.19	0.14	0.12	
	0.30		0.52	0.42	0.36	0.31	0.25	0.21	0.18	0.14	0.11	
	0.20		0.45	0.38	0.32	0.28	0.23	0.19	0.17	0.13	0.11	
0.30	0.50	0.20	0.59	0.46	0.38	0.33	0.25	0.21	0.17	0.13	0.11	
	0.30		0.50	0.41	0.34	0.30	0.23	0.19	0.16	0.13	0.10	
	0.20		0.44	0.36	0.31	0.27	0.22	0.18	0.16	0.12	0.10	
0.00	0.00	0.00	0.31	0.24	0.20	0.17	0.13	0.11	0.09	0.07	0.05	
<p>Rating:6W 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: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

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	0.16	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		0.06	0.08	0.10	0.11	0.13	0.15	0.16	0.18	0.19	
0.50	0.50	0.20	0.14	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	0.16	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	
Rating:6W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

## Zonal Lumen

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-0.5	794.5	0.2	0.2	0.03	0.03
0.5-1.0	793.8	0.6	0.8	0.09	0.12
1.0-1.5	792.6	0.9	1.7	0.15	0.27
1.5-2.0	791.2	1.3	3.0	0.21	0.48
2.0-2.5	789.8	1.7	4.7	0.27	0.75
2.5-3.0	787.4	2.1	6.8	0.33	1.08
3.0-3.5	783.7	2.4	9.2	0.39	1.46
3.5-4.0	780.7	2.8	12.0	0.44	1.91
4.0-4.5	777.7	3.2	15.2	0.50	2.41
4.5-5.0	773.0	3.5	18.7	0.56	2.96
5.0-5.5	768.4	3.9	22.6	0.61	3.57
5.5-6.0	764.3	4.2	26.8	0.66	4.24
6.0-6.5	760.0	4.5	31.3	0.72	4.95
6.5-7.0	754.7	4.9	36.2	0.77	5.72
7.0-7.5	748.6	5.2	41.3	0.82	6.54
7.5-8.0	742.5	5.5	46.8	0.87	7.41
8.0-8.5	736.7	5.8	52.6	0.92	8.33
8.5-9.0	730.2	6.1	58.7	0.96	9.29
9.0-9.5	723.4	6.4	65.1	1.01	10.30
9.5-10.0	716.7	6.7	71.8	1.05	11.35
10.0-10.5	709.8	6.9	78.7	1.10	12.45
10.5-11.0	702.0	7.2	85.9	1.14	13.59
11.0-11.5	693.8	7.4	93.3	1.17	14.76
11.5-12.0	685.9	7.7	100.9	1.21	15.97
12.0-12.5	677.8	7.9	108.8	1.25	17.22
12.5-13.0	669.6	8.1	116.9	1.28	18.50
13.0-13.5	661.2	8.3	125.2	1.31	19.82
13.5-14.0	652.8	8.5	133.7	1.35	21.16
14.0-14.5	644.0	8.7	142.4	1.38	22.54
14.5-15.0	635.3	8.9	151.3	1.40	23.94
15.0-15.5	626.2	9.0	160.3	1.43	25.37
15.5-16.0	615.8	9.2	169.5	1.45	26.82
16.0-16.5	606.3	9.3	178.8	1.47	28.29
16.5-17.0	597.4	9.4	188.2	1.49	29.79
17.0-17.5	587.2	9.5	197.8	1.51	31.30
17.5-18.0	576.3	9.6	207.4	1.52	32.82

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

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 [%]
18.0-18.5	566.0	9.7	217.1	1.54	34.36
18.5-19.0	555.3	9.8	226.9	1.55	35.91
19.0-19.5	544.4	9.8	236.8	1.56	37.47
19.5-20.0	533.6	9.9	246.7	1.56	39.03
20.0-20.5	522.2	9.9	256.6	1.57	40.60
20.5-21.0	511.0	9.9	266.5	1.57	42.17
21.0-21.5	499.4	9.9	276.4	1.57	43.74
21.5-22.0	487.6	9.9	286.3	1.57	45.31
22.0-22.5	475.3	9.9	296.2	1.56	46.87
22.5-23.0	463.9	9.8	306.0	1.56	48.43
23.0-23.5	452.6	9.8	315.8	1.55	49.98
23.5-24.0	440.1	9.7	325.5	1.54	51.51
24.0-24.5	428.3	9.6	335.2	1.53	53.04
24.5-25.0	416.4	9.6	344.7	1.51	54.55
25.0-25.5	404.0	9.4	354.2	1.50	56.05
25.5-26.0	390.6	9.3	363.5	1.47	57.52
26.0-26.5	377.7	9.2	372.7	1.45	58.97
26.5-27.0	365.8	9.0	381.7	1.43	60.40
27.0-27.5	353.1	8.9	390.6	1.40	61.80
27.5-28.0	341.2	8.7	399.3	1.38	63.18
28.0-28.5	329.3	8.5	407.8	1.35	64.53
28.5-29.0	317.7	8.4	416.2	1.33	65.86
29.0-29.5	306.2	8.2	424.4	1.30	67.15
29.5-30.0	294.2	8.0	432.4	1.27	68.42
30.0-30.5	282.9	7.8	440.2	1.24	69.66
30.5-31.0	271.5	7.6	447.8	1.20	70.86
31.0-31.5	259.7	7.4	455.2	1.17	72.03
31.5-32.0	248.2	7.2	462.4	1.13	73.16
32.0-32.5	237.0	6.9	469.3	1.10	74.26
32.5-33.0	226.4	6.7	476.0	1.06	75.32
33.0-33.5	217.1	6.5	482.5	1.03	76.36
33.5-34.0	207.6	6.3	488.9	1.00	77.36
34.0-34.5	197.4	6.1	495.0	0.96	78.32
34.5-35.0	187.7	5.9	500.8	0.93	79.25
35.0-35.5	178.8	5.7	506.5	0.90	80.15
35.5-36.0	170.0	5.4	511.9	0.86	81.01

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

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 [%]
36.0-36.5	161.0	5.2	517.2	0.83	81.83
36.5-37.0	152.6	5.0	522.2	0.79	82.63
37.0-37.5	144.1	4.8	526.9	0.76	83.38
37.5-38.0	136.1	4.6	531.5	0.72	84.10
38.0-38.5	128.4	4.4	535.9	0.69	84.79
38.5-39.0	121.4	4.2	540.0	0.66	85.45
39.0-39.5	115.1	4.0	544.0	0.63	86.09
39.5-40.0	108.9	3.8	547.8	0.60	86.69
40.0-40.5	101.7	3.6	551.5	0.57	87.26
40.5-41.0	94.8	3.4	554.8	0.54	87.80
41.0-41.5	89.4	3.2	558.1	0.51	88.31
41.5-42.0	83.3	3.0	561.1	0.48	88.79
42.0-42.5	76.7	2.8	563.9	0.45	89.24
42.5-43.0	71.8	2.7	566.6	0.42	89.66
43.0-43.5	67.5	2.5	569.2	0.40	90.06
43.5-44.0	63.2	2.4	571.5	0.38	90.44
44.0-44.5	58.2	2.2	573.8	0.35	90.79
44.5-45.0	53.8	2.1	575.9	0.33	91.12
45.0-45.5	51.1	2.0	577.8	0.31	91.44
45.5-46.0	47.5	1.9	579.7	0.30	91.73
46.0-46.5	44.3	1.8	581.5	0.28	92.01
46.5-47.0	41.3	1.7	583.1	0.26	92.27
47.0-47.5	38.7	1.6	584.7	0.25	92.52
47.5-48.0	37.0	1.5	586.2	0.24	92.75
48.0-48.5	34.9	1.4	587.6	0.23	92.98
48.5-49.0	32.9	1.4	589.0	0.21	93.19
49.0-49.5	30.8	1.3	590.2	0.20	93.40
49.5-50.0	29.4	1.2	591.5	0.19	93.59
50.0-50.5	28.6	1.2	592.7	0.19	93.78
50.5-51.0	27.1	1.2	593.8	0.18	93.96
51.0-51.5	25.9	1.1	594.9	0.18	94.14
51.5-52.0	24.9	1.1	596.0	0.17	94.31
52.0-52.5	24.3	1.1	597.1	0.17	94.48
52.5-53.0	23.4	1.0	598.1	0.16	94.64
53.0-53.5	22.5	1.0	599.1	0.16	94.79
53.5-54.0	22.3	1.0	600.0	0.16	94.95

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

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 [%]
54.0-54.5	21.9	1.0	601.0	0.15	95.10
54.5-55.0	20.8	0.9	602.0	0.15	95.25
55.0-55.5	19.8	0.9	602.8	0.14	95.39
55.5-56.0	19.2	0.9	603.7	0.14	95.53
56.0-56.5	18.7	0.9	604.6	0.13	95.67
56.5-57.0	18.1	0.8	605.4	0.13	95.80
57.0-57.5	17.9	0.8	606.2	0.13	95.93
57.5-58.0	17.4	0.8	607.0	0.13	96.05
58.0-58.5	16.3	0.8	607.8	0.12	96.18
58.5-59.0	16.2	0.8	608.6	0.12	96.30
59.0-59.5	15.7	0.7	609.3	0.12	96.41
59.5-60.0	15.1	0.7	610.0	0.11	96.53
60.0-60.5	15.0	0.7	610.7	0.11	96.64
60.5-61.0	14.2	0.7	611.4	0.11	96.75
61.0-61.5	13.7	0.7	612.1	0.10	96.85
61.5-62.0	13.4	0.6	612.7	0.10	96.95
62.0-62.5	13.4	0.7	613.4	0.10	97.06
62.5-63.0	12.7	0.6	614.0	0.10	97.15
63.0-63.5	11.8	0.6	614.6	0.09	97.24
63.5-64.0	11.7	0.6	615.1	0.09	97.34
64.0-64.5	11.2	0.6	615.7	0.09	97.42
64.5-65.0	10.8	0.5	616.2	0.09	97.51
65.0-65.5	10.6	0.5	616.7	0.08	97.59
65.5-66.0	10.4	0.5	617.3	0.08	97.67
66.0-66.5	10.2	0.5	617.8	0.08	97.75
66.5-67.0	9.8	0.5	618.3	0.08	97.83
67.0-67.5	9.4	0.5	618.7	0.08	97.91
67.5-68.0	8.9	0.5	619.2	0.07	97.98
68.0-68.5	8.6	0.4	619.6	0.07	98.05
68.5-69.0	8.6	0.4	620.1	0.07	98.12
69.0-69.5	8.4	0.4	620.5	0.07	98.19
69.5-70.0	8.1	0.4	620.9	0.07	98.25
70.0-70.5	7.5	0.4	621.3	0.06	98.31
70.5-71.0	7.1	0.4	621.7	0.06	98.37
71.0-71.5	6.4	0.3	622.0	0.05	98.42
71.5-72.0	6.1	0.3	622.3	0.05	98.47

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

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 [%]
72.0-72.5	6.6	0.3	622.7	0.05	98.53
72.5-73.0	6.2	0.3	623.0	0.05	98.58
73.0-73.5	5.5	0.3	623.3	0.05	98.63
73.5-74.0	5.4	0.3	623.6	0.04	98.67
74.0-74.5	5.7	0.3	623.9	0.05	98.72
74.5-75.0	4.9	0.3	624.1	0.04	98.76
75.0-75.5	4.5	0.2	624.4	0.04	98.80
75.5-76.0	4.9	0.3	624.6	0.04	98.84
76.0-76.5	3.9	0.2	624.8	0.03	98.87
76.5-77.0	4.0	0.2	625.0	0.03	98.90
77.0-77.5	3.7	0.2	625.2	0.03	98.94
77.5-78.0	3.5	0.2	625.4	0.03	98.97
78.0-78.5	4.1	0.2	625.6	0.03	99.00
78.5-79.0	3.8	0.2	625.8	0.03	99.03
79.0-79.5	3.3	0.2	626.0	0.03	99.06
79.5-80.0	2.4	0.1	626.2	0.02	99.08
80.0-80.5	2.2	0.1	626.3	0.02	99.10
80.5-81.0	2.2	0.1	626.4	0.02	99.12
81.0-81.5	1.7	0.1	626.5	0.01	99.13
81.5-82.0	1.4	0.1	626.6	0.01	99.15
82.0-82.5	1.7	0.1	626.7	0.01	99.16
82.5-83.0	1.9	0.1	626.8	0.02	99.18
83.0-83.5	1.2	0.1	626.8	0.01	99.19
83.5-84.0	1.6	0.1	626.9	0.01	99.20
84.0-84.5	2.3	0.1	627.0	0.02	99.22
84.5-85.0	1.3	0.1	627.1	0.01	99.23
85.0-85.5	0.5	0.0	627.1	0.00	99.24
85.5-86.0	0.4	0.0	627.2	0.00	99.24
86.0-86.5	0.3	0.0	627.2	0.00	99.24
86.5-87.0	0.6	0.0	627.2	0.00	99.25
87.0-87.5	0.5	0.0	627.2	0.00	99.25
87.5-88.0	0.6	0.0	627.3	0.00	99.26
88.0-88.5	0.5	0.0	627.3	0.00	99.26
88.5-89.0	0.4	0.0	627.3	0.00	99.27
89.0-89.5	0.6	0.0	627.4	0.01	99.27
89.5-90.0	0.5	0.0	627.4	0.00	99.27

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:



## Zonal Lumen (Continue 5)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
90.0-90.5	0.2	0.0	627.4	0.00	99.28
90.5-91.0	0.3	0.0	627.4	0.00	99.28
91.0-91.5	0.4	0.0	627.4	0.00	99.28
91.5-92.0	0.2	0.0	627.4	0.00	99.28
92.0-92.5	0.2	0.0	627.5	0.00	99.29
92.5-93.0	0.4	0.0	627.5	0.00	99.29
93.0-93.5	0.4	0.0	627.5	0.00	99.29
93.5-94.0	0.3	0.0	627.5	0.00	99.30
94.0-94.5	0.3	0.0	627.5	0.00	99.30
94.5-95.0	0.2	0.0	627.5	0.00	99.30
95.0-95.5	0.1	0.0	627.5	0.00	99.30
95.5-96.0	0.1	0.0	627.5	0.00	99.30
96.0-96.5	0.1	0.0	627.6	0.00	99.30
96.5-97.0	0.1	0.0	627.6	0.00	99.30
97.0-97.5	0.2	0.0	627.6	0.00	99.30
97.5-98.0	0.2	0.0	627.6	0.00	99.31
98.0-98.5	0.1	0.0	627.6	0.00	99.31
98.5-99.0	0.1	0.0	627.6	0.00	99.31
99.0-99.5	0.1	0.0	627.6	0.00	99.31
99.5-100.0	0.1	0.0	627.6	0.00	99.31
100.0-100.5	0.1	0.0	627.6	0.00	99.31
100.5-101.0	0.1	0.0	627.6	0.00	99.31
101.0-101.5	0.1	0.0	627.6	0.00	99.31
101.5-102.0	0.1	0.0	627.6	0.00	99.31
102.0-102.5	0.1	0.0	627.6	0.00	99.31
102.5-103.0	0.1	0.0	627.6	0.00	99.32
103.0-103.5	0.1	0.0	627.6	0.00	99.32
103.5-104.0	0.1	0.0	627.7	0.00	99.32
104.0-104.5	0.1	0.0	627.7	0.00	99.32
104.5-105.0	0.2	0.0	627.7	0.00	99.32
105.0-105.5	0.2	0.0	627.7	0.00	99.32
105.5-106.0	0.2	0.0	627.7	0.00	99.32
106.0-106.5	0.2	0.0	627.7	0.00	99.33
106.5-107.0	0.2	0.0	627.7	0.00	99.33
107.0-107.5	0.3	0.0	627.7	0.00	99.33
107.5-108.0	0.1	0.0	627.7	0.00	99.33

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

## Zonal Lumen (Continue 6)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-108.5	0.2	0.0	627.7	0.00	99.33
108.5-109.0	0.2	0.0	627.7	0.00	99.33
109.0-109.5	0.1	0.0	627.8	0.00	99.33
109.5-110.0	0.1	0.0	627.8	0.00	99.33
110.0-110.5	0.2	0.0	627.8	0.00	99.34
110.5-111.0	0.1	0.0	627.8	0.00	99.34
111.0-111.5	0.2	0.0	627.8	0.00	99.34
111.5-112.0	0.4	0.0	627.8	0.00	99.34
112.0-112.5	0.2	0.0	627.8	0.00	99.34
112.5-113.0	0.2	0.0	627.8	0.00	99.34
113.0-113.5	0.4	0.0	627.8	0.00	99.35
113.5-114.0	0.3	0.0	627.9	0.00	99.35
114.0-114.5	0.2	0.0	627.9	0.00	99.35
114.5-115.0	0.1	0.0	627.9	0.00	99.35
115.0-115.5	0.2	0.0	627.9	0.00	99.35
115.5-116.0	0.3	0.0	627.9	0.00	99.36
116.0-116.5	0.3	0.0	627.9	0.00	99.36
116.5-117.0	0.2	0.0	627.9	0.00	99.36
117.0-117.5	0.2	0.0	627.9	0.00	99.36
117.5-118.0	0.3	0.0	627.9	0.00	99.36
118.0-118.5	0.2	0.0	628.0	0.00	99.37
118.5-119.0	0.2	0.0	628.0	0.00	99.37
119.0-119.5	0.4	0.0	628.0	0.00	99.37
119.5-120.0	0.4	0.0	628.0	0.00	99.37
120.0-120.5	0.4	0.0	628.0	0.00	99.38
120.5-121.0	0.2	0.0	628.0	0.00	99.38
121.0-121.5	0.3	0.0	628.0	0.00	99.38
121.5-122.0	0.3	0.0	628.1	0.00	99.38
122.0-122.5	0.3	0.0	628.1	0.00	99.39
122.5-123.0	0.3	0.0	628.1	0.00	99.39
123.0-123.5	0.2	0.0	628.1	0.00	99.39
123.5-124.0	0.2	0.0	628.1	0.00	99.39
124.0-124.5	0.3	0.0	628.1	0.00	99.39
124.5-125.0	0.3	0.0	628.1	0.00	99.40
125.0-125.5	0.5	0.0	628.2	0.00	99.40
125.5-126.0	0.4	0.0	628.2	0.00	99.40

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

## Zonal Lumen (Continue 7)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
126.0-126.5	0.3	0.0	628.2	0.00	99.40
126.5-127.0	0.3	0.0	628.2	0.00	99.41
127.0-127.5	0.1	0.0	628.2	0.00	99.41
127.5-128.0	0.3	0.0	628.2	0.00	99.41
128.0-128.5	0.3	0.0	628.2	0.00	99.41
128.5-129.0	0.3	0.0	628.3	0.00	99.41
129.0-129.5	0.4	0.0	628.3	0.00	99.42
129.5-130.0	0.5	0.0	628.3	0.00	99.42
130.0-130.5	0.4	0.0	628.3	0.00	99.42
130.5-131.0	0.2	0.0	628.3	0.00	99.42
131.0-131.5	0.3	0.0	628.3	0.00	99.43
131.5-132.0	0.3	0.0	628.3	0.00	99.43
132.0-132.5	0.4	0.0	628.4	0.00	99.43
132.5-133.0	0.6	0.0	628.4	0.00	99.43
133.0-133.5	0.7	0.0	628.4	0.00	99.44
133.5-134.0	0.6	0.0	628.4	0.00	99.44
134.0-134.5	0.6	0.0	628.5	0.00	99.44
134.5-135.0	0.7	0.0	628.5	0.00	99.45
135.0-135.5	0.7	0.0	628.5	0.00	99.45
135.5-136.0	0.9	0.0	628.5	0.01	99.46
136.0-136.5	0.8	0.0	628.6	0.00	99.46
136.5-137.0	0.7	0.0	628.6	0.00	99.47
137.0-137.5	0.8	0.0	628.6	0.00	99.47
137.5-138.0	0.6	0.0	628.7	0.00	99.48
138.0-138.5	0.6	0.0	628.7	0.00	99.48
138.5-139.0	0.7	0.0	628.7	0.00	99.48
139.0-139.5	0.9	0.0	628.7	0.00	99.49
139.5-140.0	0.9	0.0	628.8	0.00	99.49
140.0-140.5	0.7	0.0	628.8	0.00	99.50
140.5-141.0	0.9	0.0	628.8	0.01	99.50
141.0-141.5	1.0	0.0	628.9	0.01	99.51
141.5-142.0	1.2	0.0	628.9	0.01	99.51
142.0-142.5	1.3	0.0	628.9	0.01	99.52
142.5-143.0	1.4	0.0	629.0	0.01	99.53
143.0-143.5	1.3	0.0	629.0	0.01	99.54
143.5-144.0	1.3	0.0	629.1	0.01	99.54

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

## Zonal Lumen (Continue 8)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-144.5	1.8	0.1	629.1	0.01	99.55
144.5-145.0	1.6	0.1	629.2	0.01	99.56
145.0-145.5	1.5	0.0	629.2	0.01	99.57
145.5-146.0	1.4	0.0	629.3	0.01	99.57
146.0-146.5	1.4	0.0	629.3	0.01	99.58
146.5-147.0	1.1	0.0	629.3	0.01	99.59
147.0-147.5	1.4	0.0	629.4	0.01	99.59
147.5-148.0	1.6	0.0	629.4	0.01	99.60
148.0-148.5	1.7	0.0	629.5	0.01	99.61
148.5-149.0	1.8	0.0	629.5	0.01	99.61
149.0-149.5	1.5	0.0	629.6	0.01	99.62
149.5-150.0	1.8	0.0	629.6	0.01	99.63
150.0-150.5	1.5	0.0	629.7	0.01	99.64
150.5-151.0	1.6	0.0	629.7	0.01	99.64
151.0-151.5	2.3	0.1	629.8	0.01	99.65
151.5-152.0	2.3	0.1	629.8	0.01	99.66
152.0-152.5	2.2	0.1	629.9	0.01	99.67
152.5-153.0	1.8	0.0	629.9	0.01	99.68
153.0-153.5	2.3	0.1	630.0	0.01	99.69
153.5-154.0	2.6	0.1	630.0	0.01	99.70
154.0-154.5	2.1	0.0	630.1	0.01	99.70
154.5-155.0	1.7	0.0	630.1	0.01	99.71
155.0-155.5	1.8	0.0	630.2	0.01	99.72
155.5-156.0	2.2	0.0	630.2	0.01	99.72
156.0-156.5	2.1	0.0	630.3	0.01	99.73
156.5-157.0	2.2	0.0	630.3	0.01	99.74
157.0-157.5	2.0	0.0	630.4	0.01	99.75
157.5-158.0	2.0	0.0	630.4	0.01	99.75
158.0-158.5	2.6	0.1	630.5	0.01	99.76
158.5-159.0	2.4	0.0	630.5	0.01	99.77
159.0-159.5	2.7	0.1	630.6	0.01	99.78
159.5-160.0	3.1	0.1	630.6	0.01	99.79
160.0-160.5	3.0	0.1	630.7	0.01	99.79
160.5-161.0	2.7	0.0	630.7	0.01	99.80
161.0-161.5	2.3	0.0	630.8	0.01	99.81
161.5-162.0	3.0	0.1	630.8	0.01	99.82

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

## Zonal Lumen (Continue 9)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
162.0-162.5	3.4	0.1	630.9	0.01	99.83
162.5-163.0	2.6	0.0	630.9	0.01	99.83
163.0-163.5	3.0	0.0	631.0	0.01	99.84
163.5-164.0	3.6	0.1	631.0	0.01	99.85
164.0-164.5	3.4	0.1	631.1	0.01	99.86
164.5-165.0	4.0	0.1	631.1	0.01	99.87
165.0-165.5	3.8	0.1	631.2	0.01	99.87
165.5-166.0	3.4	0.0	631.2	0.01	99.88
166.0-166.5	3.5	0.0	631.3	0.01	99.89
166.5-167.0	3.4	0.0	631.3	0.01	99.90
167.0-167.5	3.8	0.0	631.3	0.01	99.90
167.5-168.0	3.7	0.0	631.4	0.01	99.91
168.0-168.5	3.8	0.0	631.4	0.01	99.92
168.5-169.0	4.3	0.0	631.5	0.01	99.92
169.0-169.5	4.0	0.0	631.5	0.01	99.93
169.5-170.0	3.6	0.0	631.6	0.01	99.94
170.0-170.5	3.5	0.0	631.6	0.01	99.94
170.5-171.0	4.0	0.0	631.6	0.01	99.95
171.0-171.5	4.5	0.0	631.7	0.01	99.95
171.5-172.0	4.2	0.0	631.7	0.01	99.96
172.0-172.5	4.1	0.0	631.7	0.00	99.96
172.5-173.0	4.2	0.0	631.8	0.00	99.97
173.0-173.5	4.4	0.0	631.8	0.00	99.97
173.5-174.0	4.1	0.0	631.8	0.00	99.98
174.0-174.5	4.0	0.0	631.8	0.00	99.98
174.5-175.0	4.4	0.0	631.9	0.00	99.98
175.0-175.5	4.8	0.0	631.9	0.00	99.99
175.5-176.0	4.8	0.0	631.9	0.00	99.99
176.0-176.5	4.3	0.0	631.9	0.00	99.99
176.5-177.0	4.8	0.0	631.9	0.00	99.99
177.0-177.5	4.5	0.0	631.9	0.00	100.00
177.5-178.0	4.4	0.0	631.9	0.00	100.00
178.0-178.5	4.5	0.0	632.0	0.00	100.00
178.5-179.0	4.3	0.0	632.0	0.00	100.00
179.0-179.5	4.4	0.0	632.0	0.00	100.00
179.5-180.0	4.3	0.0	632.0	0.00	100.00

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

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	805.4	794.5	791.1	789.2	805.4	794.5	791.1	789.2	805.4	
G0.5	805.7	795.4	792.2	785.0	804.6	793.4	787.0	788.7	805.7	
G1.0	806.0	794.4	792.6	783.3	803.2	792.0	788.6	787.9	806.0	
G1.5	805.5	794.3	792.0	785.5	797.2	788.1	784.6	787.0	805.5	
G2.0	804.6	795.0	791.0	783.6	794.8	787.6	784.9	783.1	804.6	
G2.5	803.0	793.6	789.5	781.4	796.4	784.8	780.3	783.9	803.0	
G3.0	800.8	790.9	787.8	778.7	789.2	781.5	777.4	779.5	800.8	
G3.5	794.4	790.0	785.6	771.0	785.7	775.5	774.1	777.0	794.4	
G4.0	795.3	786.3	782.9	767.4	786.3	773.7	770.6	775.6	795.3	
G4.5	792.0	783.3	780.0	763.8	777.7	769.5	767.3	771.0	792.0	
G5.0	784.4	781.0	772.4	759.3	773.1	762.5	763.0	767.3	784.4	
G5.5	783.4	777.1	768.7	754.4	767.8	757.6	758.2	763.9	783.4	
G6.0	778.4	772.3	764.5	754.2	762.5	754.5	752.7	758.8	778.4	
G6.5	772.8	767.7	764.7	748.7	757.0	749.4	747.6	753.7	772.8	
G7.0	764.0	762.8	759.9	743.0	751.5	741.3	742.0	748.5	764.0	
G7.5	761.2	757.2	749.8	732.5	749.7	735.4	736.0	742.0	761.2	
G8.0	754.9	752.3	749.1	727.0	739.1	729.2	729.6	735.5	754.9	
G8.5	745.2	746.4	743.5	724.4	732.6	724.9	723.1	729.8	745.2	
G9.0	738.1	740.7	733.3	717.7	729.7	715.6	716.2	722.6	738.1	
G9.5	733.1	735.1	732.2	706.6	722.5	708.6	709.1	713.7	733.1	
G10.0	725.3	728.8	725.9	703.1	710.4	703.9	701.9	707.5	725.3	
G10.5	717.2	721.9	719.3	695.6	706.4	693.2	695.9	699.7	717.2	
G11.0	706.7	715.1	708.2	684.2	699.0	688.8	688.5	692.0	706.7	
G11.5	699.9	707.6	701.6	676.7	690.0	678.0	680.7	684.3	699.9	
G12.0	692.4	701.4	694.7	669.0	678.3	670.0	672.9	676.5	692.4	
G12.5	684.2	693.2	687.6	661.2	672.8	664.0	661.7	665.0	684.2	
G13.0	674.4	687.0	680.8	653.0	663.9	652.7	652.9	660.0	674.4	
G13.5	666.4	679.0	673.4	646.5	651.9	645.9	644.0	647.7	666.4	
G14.0	658.5	671.7	669.1	637.9	645.5	634.0	634.1	639.0	658.5	
G14.5	649.5	663.9	661.1	629.0	632.0	624.7	624.3	629.8	649.5	
G15.0	640.4	655.0	653.1	619.5	625.6	614.8	618.1	624.7	640.4	
G15.5	630.9	647.3	644.7	610.0	615.8	604.7	604.0	610.9	630.9	
G16.0	620.6	637.9	632.8	599.3	602.5	597.4	592.6	601.1	620.6	
G16.5	611.1	628.5	626.7	590.8	595.1	583.7	586.0	594.9	611.1	
G17.0	601.3	618.9	617.6	581.0	585.9	576.8	575.2	584.9	601.3	
G17.5	591.2	607.0	606.2	570.9	573.2	566.3	564.4	574.8	591.2	
G18.0	581.0	597.0	596.9	561.7	564.6	552.3	548.8	564.1	581.0	

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

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	
G18.5	570.4	589.3	589.3	552.2	554.3	544.1	541.3	548.3	570.4	
G19.0	559.7	576.5	579.5	542.5	543.4	530.4	526.1	537.1	559.7	
G19.5	548.6	568.2	569.2	533.1	532.3	519.2	514.5	530.8	548.6	
G20.0	535.7	554.5	557.8	523.0	521.1	508.1	502.7	519.3	535.7	
G20.5	525.0	546.3	547.8	511.5	508.8	496.6	491.1	506.4	525.0	
G21.0	511.8	532.2	536.9	502.1	498.5	487.7	483.2	490.6	511.8	
G21.5	501.4	521.0	525.8	488.7	485.8	476.0	467.3	482.3	501.4	
G22.0	487.0	511.8	514.3	477.2	474.4	464.2	459.3	465.2	487.0	
G22.5	476.7	498.2	503.0	465.8	462.7	449.0	442.5	453.0	476.7	
G23.0	463.1	489.3	492.3	454.2	450.6	440.6	435.6	445.5	463.1	
G23.5	450.5	474.3	480.1	444.8	438.6	424.8	423.6	433.0	450.5	
G24.0	437.7	462.5	469.5	430.3	427.2	416.2	407.5	420.4	437.7	
G24.5	425.0	454.4	458.0	421.1	415.1	400.7	399.2	408.0	425.0	
G25.0	412.3	438.8	446.1	409.0	403.0	392.1	387.2	392.7	412.3	
G25.5	399.4	426.7	434.2	393.7	390.9	379.9	375.2	382.8	399.4	
G26.0	383.6	414.6	422.1	380.1	377.3	364.3	358.5	366.7	383.6	
G26.5	374.0	402.7	409.9	372.4	364.8	352.1	346.5	354.4	374.0	
G27.0	358.1	390.7	397.8	355.4	354.3	339.7	334.6	345.2	358.1	
G27.5	345.5	382.0	382.2	343.0	341.0	327.7	323.0	330.1	345.5	
G28.0	332.9	370.1	369.7	334.5	328.9	315.7	314.6	318.0	332.9	
G28.5	320.4	358.3	357.5	318.6	315.5	305.9	302.9	305.0	320.4	
G29.0	311.7	346.7	345.3	311.5	305.1	292.1	291.4	295.1	311.7	
G29.5	298.5	330.9	336.4	294.6	293.4	282.8	279.9	283.1	298.5	
G30.0	286.4	319.2	324.7	286.9	281.9	271.6	265.0	271.4	286.4	
G30.5	274.6	312.2	312.9	271.3	270.6	260.5	257.2	259.7	274.6	
G31.0	259.0	296.3	301.4	263.9	259.5	249.7	246.1	248.5	259.0	
G31.5	247.7	288.9	285.2	252.8	245.3	239.0	235.2	237.5	247.7	
G32.0	240.2	273.7	274.1	237.0	238.0	225.6	224.6	226.1	240.2	
G32.5	226.2	267.8	263.0	226.2	223.8	217.7	212.1	215.5	226.2	
G33.0	215.9	257.4	251.9	215.7	213.7	207.9	202.6	205.2	215.9	
G33.5	209.5	247.2	245.3	209.2	207.8	196.3	193.3	194.5	209.5	
G34.0	199.9	232.7	234.6	198.9	194.3	189.1	184.1	184.5	199.9	
G34.5	187.1	222.9	224.4	189.2	188.4	177.2	175.0	176.1	187.1	
G35.0	177.2	213.2	209.2	179.5	179.4	171.4	166.5	167.1	177.2	
G35.5	172.9	207.8	204.6	166.1	166.9	163.1	157.7	158.4	172.9	
G36.0	163.6	198.8	190.4	157.4	162.0	154.9	148.6	147.3	163.6	
G36.5	155.6	185.2	185.6	151.8	149.1	144.1	140.5	141.3	155.6	

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

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	
G37.0	147.6	176.5	176.8	143.4	140.7	136.4	132.7	133.6	147.6	
G37.5	135.8	168.2	168.3	132.8	132.7	131.8	124.9	123.4	135.8	
G38.0	132.0	160.0	159.9	124.7	124.8	122.0	118.0	119.0	132.0	
G38.5	119.7	156.4	147.6	117.4	117.2	114.6	109.7	112.1	119.7	
G39.0	117.3	144.7	139.9	110.4	114.2	110.6	104.4	105.6	117.3	
G39.5	110.2	141.6	132.4	105.9	103.1	104.3	97.8	99.4	110.2	
G40.0	103.4	134.6	128.4	97.2	100.4	98.3	91.7	93.3	103.4	
G40.5	96.3	123.1	121.0	90.4	89.3	92.6	83.7	83.1	96.3	
G41.0	90.3	116.5	113.7	85.9	87.2	84.5	78.4	81.4	90.3	
G41.5	84.6	109.8	106.2	79.9	81.7	79.2	75.4	76.1	84.6	
G42.0	74.4	107.5	95.7	74.1	71.6	74.0	70.6	71.1	74.4	
G42.5	69.5	96.5	88.9	68.3	70.7	68.9	63.1	62.3	69.5	
G43.0	64.8	95.2	85.6	63.5	65.9	64.2	58.6	62.4	64.8	
G43.5	64.6	84.6	78.8	59.1	57.6	61.7	54.4	58.6	64.6	
G44.0	56.2	83.5	73.0	54.3	57.7	57.5	54.1	55.0	56.2	
G44.5	52.1	73.3	65.4	50.7	49.8	51.5	50.3	47.2	52.1	
G45.0	53.3	72.1	62.7	47.3	46.6	48.1	47.1	44.1	53.3	
G45.5	45.5	67.0	57.7	45.3	47.7	46.9	44.3	41.4	45.5	
G46.0	42.5	57.5	52.4	42.8	45.0	43.5	41.7	38.8	42.5	
G46.5	44.1	53.0	49.6	38.5	38.5	41.0	39.3	40.6	44.1	
G47.0	41.7	48.8	46.2	36.1	39.9	36.7	33.0	34.3	41.7	
G47.5	39.5	49.1	42.5	34.2	34.4	34.7	31.1	36.5	39.5	
G48.0	33.2	45.8	39.9	32.1	35.9	34.4	33.8	34.7	33.2	
G48.5	35.7	38.5	37.5	30.2	34.2	32.6	27.8	32.9	35.7	
G49.0	29.9	40.1	35.3	31.8	32.5	29.2	26.5	31.5	29.9	
G49.5	28.5	33.8	33.3	27.3	31.0	29.6	25.2	27.0	28.5	
G50.0	27.3	35.8	31.6	29.2	29.7	26.8	28.5	25.8	27.3	
G50.5	26.1	34.1	31.0	24.7	25.9	25.6	27.5	27.7	26.1	
G51.0	25.1	32.5	29.8	23.6	27.4	24.6	22.0	26.6	25.1	
G51.5	28.2	27.5	27.1	22.5	26.5	23.8	21.3	25.5	28.2	
G52.0	23.3	30.0	26.0	25.9	25.6	23.0	20.5	22.6	23.3	
G52.5	22.5	29.0	24.8	21.0	22.7	23.5	24.2	23.7	22.5	
G53.0	21.7	28.0	26.3	20.2	22.0	22.7	19.1	22.7	21.7	
G53.5	24.8	23.8	22.9	19.5	21.5	20.8	22.8	21.9	24.8	
G54.0	20.2	26.2	24.8	23.2	22.4	20.1	22.0	20.1	20.2	
G54.5	23.3	25.4	21.1	22.6	21.7	20.7	17.3	19.6	23.3	
G55.0	22.6	21.5	20.3	17.4	19.8	18.9	20.7	19.5	22.6	

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

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	
G55.5	18.3	20.7	19.5	21.3	19.3	18.2	20.0	18.8	18.3	
G56.0	17.6	23.0	22.4	16.3	18.8	18.9	15.8	18.1	17.6	
G56.5	17.0	19.5	18.0	20.1	19.1	18.4	18.7	17.4	17.0	
G57.0	20.0	18.8	17.4	15.2	17.7	16.6	18.1	16.7	20.0	
G57.5	19.4	20.8	16.7	19.1	17.8	17.4	17.6	17.2	19.4	
G58.0	15.4	17.8	15.9	18.5	17.1	15.6	17.0	15.4	15.4	
G58.5	18.3	17.3	15.5	13.9	16.5	15.1	16.4	14.8	18.3	
G59.0	14.4	18.8	19.2	17.5	16.1	15.9	13.5	16.2	14.4	
G59.5	17.3	16.3	14.2	13.1	15.9	14.2	13.1	15.8	17.3	
G60.0	13.5	17.6	18.3	12.7	14.9	15.1	14.8	15.5	13.5	
G60.5	13.1	15.3	17.8	15.9	14.6	13.3	12.3	15.2	13.1	
G61.0	15.8	14.9	12.7	12.0	14.8	12.8	12.2	14.9	15.8	
G61.5	15.3	14.5	12.4	11.7	14.3	12.5	13.2	14.6	15.3	
G62.0	11.8	15.3	16.4	11.4	13.1	12.0	11.5	14.3	11.8	
G62.5	14.4	13.6	15.8	13.9	12.6	13.1	11.4	13.9	14.4	
G63.0	14.0	13.3	11.1	10.8	12.1	11.0	11.7	10.0	14.0	
G63.5	10.7	13.7	10.8	10.6	13.1	10.7	11.1	13.4	10.7	
G64.0	13.1	12.5	10.2	10.3	11.2	12.1	10.8	13.0	13.1	
G64.5	9.9	12.8	10.0	11.9	12.5	9.7	10.3	8.7	9.9	
G65.0	12.3	12.2	13.7	9.8	12.2	9.5	9.6	8.3	12.3	
G65.5	9.3	11.8	9.2	11.0	11.9	11.1	10.1	7.8	9.3	
G66.0	11.5	11.1	12.9	9.4	11.6	10.6	8.9	7.5	11.5	
G66.5	11.1	10.9	12.4	9.9	11.3	8.4	8.3	7.2	11.1	
G67.0	8.3	10.4	11.8	9.5	8.6	10.1	8.0	11.2	8.3	
G67.5	7.8	10.0	11.5	9.0	10.8	9.8	7.6	6.4	7.8	
G68.0	7.7	9.4	7.9	8.6	10.5	9.6	9.0	6.2	7.7	
G68.5	9.7	9.6	7.5	8.1	7.4	9.3	6.8	10.3	9.7	
G69.0	9.1	9.2	7.5	8.3	7.0	9.1	8.8	9.9	9.1	
G69.5	9.0	8.8	9.8	8.1	9.7	8.8	5.7	5.3	9.0	
G70.0	8.6	7.9	6.9	8.0	6.2	8.5	8.4	9.3	8.6	
G70.5	6.0	7.6	8.9	6.4	9.2	5.6	8.3	4.8	6.0	
G71.0	8.0	8.0	8.5	7.7	5.5	5.3	4.8	8.6	8.0	
G71.5	5.6	6.9	8.2	5.6	5.1	4.9	4.5	4.5	5.6	
G72.0	7.2	7.7	6.4	7.4	4.8	7.6	7.7	4.3	7.2	
G72.5	7.1	7.3	6.3	4.8	8.2	4.3	7.6	7.6	7.1	
G73.0	4.9	5.8	6.9	4.4	8.0	4.1	7.4	3.9	4.9	
G73.5	4.4	7.0	6.0	7.0	3.8	6.9	3.3	3.8	4.4	

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

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	
G74.0	6.2	6.6	6.1	6.9	7.6	3.5	3.1	3.7	6.2	
G74.5	5.9	6.5	5.7	6.6	3.3	6.5	6.9	6.2	5.9	
G75.0	5.6	4.5	5.3	3.1	3.0	2.7	2.5	3.5	5.6	
G75.5	3.8	6.1	5.0	6.5	6.9	6.1	2.3	5.6	3.8	
G76.0	5.2	3.9	4.6	2.3	2.5	5.9	6.4	5.2	5.2	
G76.5	3.4	5.8	4.3	2.2	2.2	2.2	1.8	4.7	3.4	
G77.0	4.7	5.6	3.9	6.0	6.3	5.5	1.6	3.2	4.7	
G77.5	3.0	5.4	3.6	1.5	1.7	1.6	1.3	4.2	3.0	
G78.0	2.8	5.2	3.2	5.7	5.9	1.4	5.6	3.6	2.8	
G78.5	4.0	5.0	2.9	5.5	5.7	5.0	1.0	3.1	4.0	
G79.0	3.8	4.9	4.8	0.7	5.4	0.9	5.1	3.1	3.8	
G79.5	3.6	4.7	2.2	0.6	0.8	4.6	4.9	2.6	3.6	
G80.0	2.0	4.5	4.6	0.4	0.3	0.4	0.3	2.4	2.0	
G80.5	3.1	1.4	4.5	0.0	4.8	0.2	4.4	2.1	3.1	
G81.0	1.6	1.1	1.2	4.4	0.1	0.0	4.2	1.5	1.6	
G81.5	1.5	4.0	0.9	0.0	0.0	3.9	0.0	2.7	1.5	
G82.0	1.3	0.7	0.6	0.0	0.0	3.7	0.0	2.7	1.3	
G82.5	1.0	3.7	4.0	0.0	3.8	3.6	0.0	2.5	1.0	
G83.0	2.0	3.5	0.0	3.5	0.0	0.0	3.2	0.4	2.0	
G83.5	0.7	0.0	3.7	0.0	0.0	0.0	0.0	2.5	0.7	
G84.0	0.5	3.2	3.6	3.0	3.1	3.0	2.6	0.0	0.5	
G84.5	1.4	3.0	3.4	2.7	2.8	2.8	0.0	2.3	1.4	
G85.0	0.2	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.2	
G85.5	0.9	0.0	0.0	2.1	0.0	0.0	1.9	0.0	0.9	
G86.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	
G86.5	0.0	0.0	0.0	1.5	1.9	0.0	0.0	0.0	0.0	
G87.0	0.4	0.0	2.4	0.0	1.7	0.0	1.0	0.0	0.4	
G87.5	0.3	0.0	0.0	1.0	0.0	0.0	0.8	0.0	0.3	
G88.0	0.1	0.0	2.2	0.0	1.2	1.6	0.0	1.7	0.1	
G88.5	0.0	0.0	0.0	0.5	0.0	1.4	0.0	0.0	0.0	
G89.0	0.0	1.7	0.0	0.1	0.0	1.0	0.0	1.5	0.0	
G89.5	0.0	1.6	1.6	0.0	0.0	1.2	0.0	1.4	0.0	
G90.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	1.2	0.0	
G90.5	0.0	0.0	1.1	0.0	0.0	0.9	0.0	0.0	0.0	
G91.0	0.0	1.1	1.0	0.0	0.0	0.0	0.0	1.1	0.0	
G91.5	0.0	1.1	0.8	0.0	0.1	0.0	0.0	1.1	0.0	
G92.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

## Candlepower Table (Continue 5)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G92.5	0.0	1.1	0.7	0.0	0.0	1.0	0.0	1.1	0.0	
G93.0	0.0	1.1	0.4	0.0	0.0	1.0	0.0	0.0	0.0	
G93.5	0.0	1.0	0.5	0.0	0.0	0.8	0.0	1.0	0.0	
G94.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.9	0.0	
G94.5	0.0	1.0	0.1	0.0	0.0	0.9	0.0	0.9	0.0	
G95.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.8	0.0	
G95.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
G96.0	0.0	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
G96.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G97.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	
G97.5	0.0	0.8	0.0	0.0	0.0	0.9	0.0	0.5	0.0	
G98.0	0.0	0.0	0.0	0.2	0.0	0.9	0.0	0.0	0.0	
G98.5	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.3	0.0	
G99.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	
G99.5	0.0	0.9	0.0	0.0	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	
G100.5	0.0	0.0	0.0	0.7	0.0	0.0	0.2	0.0	0.0	
G101.0	0.0	0.0	0.0	0.0	0.0	0.8	0.3	0.0	0.0	
G101.5	0.0	0.7	0.0	0.0	0.0	0.0	0.4	0.0	0.0	
G102.0	0.0	0.7	0.0	0.0	0.0	0.0	0.4	0.0	0.0	
G102.5	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G103.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G103.5	0.0	0.5	0.0	1.0	0.0	0.0	0.0	0.0	0.0	
G104.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G104.5	0.0	0.4	0.0	1.0	0.0	0.0	0.0	0.0	0.0	
G105.0	0.0	0.3	0.0	0.0	0.0	0.5	0.7	0.0	0.0	
G105.5	0.0	0.0	0.0	1.1	0.1	0.0	0.0	0.0	0.0	
G106.0	0.0	0.0	0.2	1.0	0.0	0.5	0.8	0.0	0.0	
G106.5	0.0	0.1	0.0	0.0	0.3	0.0	0.0	0.0	0.0	
G107.0	0.0	0.0	0.0	1.0	0.3	0.4	0.8	0.0	0.0	
G107.5	0.0	0.0	0.0	1.0	0.4	0.0	0.0	0.0	0.0	
G108.0	0.0	0.0	0.6	0.0	0.0	0.3	0.0	0.0	0.0	
G108.5	0.0	0.0	0.0	0.0	0.5	0.3	0.9	0.0	0.0	
G109.0	0.0	0.0	0.0	0.0	0.7	0.1	0.0	0.0	0.0	
G109.5	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.2	0.0	
G110.0	0.0	0.0	0.0	0.4	0.0	0.2	0.0	0.3	0.0	
G110.5	0.0	0.0	0.0	0.6	0.0	0.0	1.0	0.0	0.0	

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

## Candlepower Table (Continue 6)

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	0.8	0.0	0.0	0.0	0.0	
G111.5	0.0	0.0	0.0	0.2	0.9	0.1	1.0	0.6	0.0	
G112.0	0.0	0.0	1.1	0.3	0.9	0.0	0.0	0.7	0.0	
G112.5	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.8	0.0	
G113.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.9	0.0	
G113.5	0.0	0.0	1.2	0.0	1.0	0.0	1.1	0.9	0.0	
G114.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	
G114.5	0.0	0.0	1.0	0.0	1.1	0.0	0.0	0.0	0.0	
G115.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G115.5	0.0	0.0	1.1	0.0	1.2	0.0	1.1	0.0	0.0	
G116.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	
G116.5	0.0	0.0	0.0	0.0	1.2	0.0	1.1	1.2	0.0	
G117.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G117.5	0.0	0.0	0.0	0.0	1.2	0.0	0.0	1.3	0.0	
G118.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	1.2	0.0	
G118.5	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G119.0	0.0	0.4	0.8	0.0	0.0	0.0	1.2	1.2	0.0	
G119.5	0.0	0.5	0.8	0.0	1.2	0.0	0.0	0.0	0.0	
G120.0	0.0	0.6	0.7	0.0	1.3	0.0	0.0	1.1	0.0	
G120.5	0.0	0.0	0.6	0.0	1.2	0.0	0.0	1.1	0.0	
G121.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	
G121.5	0.0	0.0	0.4	0.0	1.2	0.0	1.0	1.0	0.0	
G122.0	0.0	0.9	0.0	0.4	0.0	0.0	0.0	0.0	0.0	
G122.5	0.0	0.0	0.3	0.5	1.1	0.0	1.3	0.9	0.0	
G123.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.8	0.0	
G123.5	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	
G124.0	0.0	1.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	
G124.5	0.0	0.0	0.0	1.0	0.0	0.0	1.1	0.5	0.0	
G125.0	0.0	1.3	0.0	1.1	0.0	0.0	0.0	0.5	0.0	
G125.5	0.0	1.2	0.0	1.0	0.9	0.0	1.3	0.3	0.0	
G126.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G126.5	0.0	1.5	0.0	1.4	0.8	0.0	0.0	0.2	0.0	
G127.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	
G127.5	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G128.0	0.0	1.6	0.0	0.0	0.6	0.0	1.4	0.0	0.0	
G128.5	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G129.0	0.0	1.7	0.1	0.0	0.3	0.0	1.2	0.0	0.0	

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

## Candlepower Table (Continue 7)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G129.5	0.0	1.7	0.2	0.0	0.4	0.0	0.0	0.0	0.0	
G130.0	0.1	1.8	0.0	1.8	0.4	0.0	1.4	0.0	0.1	
G130.5	0.1	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.1	
G131.0	0.0	1.8	0.0	0.0	0.3	0.0	0.0	0.0	0.0	
G131.5	0.3	0.0	0.7	0.0	0.2	0.0	1.4	0.0	0.3	
G132.0	0.0	0.0	0.0	1.9	0.0	0.4	0.0	0.0	0.0	
G132.5	0.5	0.0	1.1	0.0	0.0	0.4	1.4	0.7	0.5	
G133.0	0.0	0.0	1.1	1.9	0.0	0.5	1.4	0.0	0.0	
G133.5	0.6	0.0	1.5	1.9	0.0	0.0	1.2	1.0	0.6	
G134.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	1.2	0.0	
G134.5	0.7	1.9	1.8	0.0	0.1	0.7	0.0	1.3	0.7	
G135.0	0.0	0.0	1.9	0.0	0.0	0.6	1.2	1.5	0.0	
G135.5	0.0	1.9	1.9	1.8	0.0	0.8	0.0	0.0	0.0	
G136.0	1.0	1.9	2.0	0.0	0.0	0.9	0.0	1.8	1.0	
G136.5	0.0	1.7	0.0	0.0	0.5	0.8	0.0	1.9	0.0	
G137.0	0.0	1.9	0.0	1.6	0.0	1.0	1.4	0.0	0.0	
G137.5	0.0	1.9	2.3	0.0	0.0	1.1	1.4	0.0	0.0	
G138.0	1.4	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.4	
G138.5	0.0	1.9	2.5	0.0	1.4	1.2	0.0	0.0	0.0	
G139.0	1.6	0.0	0.0	0.0	0.0	1.3	1.3	0.0	1.6	
G139.5	0.0	1.9	2.5	1.1	0.0	0.0	1.3	2.5	0.0	
G140.0	0.0	1.9	0.0	1.3	0.0	1.5	0.0	0.0	0.0	
G140.5	0.0	0.0	2.7	1.2	1.9	1.5	0.0	0.0	0.0	
G141.0	2.1	0.0	0.0	0.0	0.0	1.6	1.2	2.7	2.1	
G141.5	0.0	0.0	0.0	1.0	2.2	1.7	0.3	2.8	0.0	
G142.0	2.3	0.0	2.8	1.0	0.0	1.8	1.2	2.7	2.3	
G142.5	2.4	1.8	0.0	1.0	2.5	0.0	1.3	0.0	2.4	
G143.0	0.0	1.8	2.8	0.8	2.6	1.9	1.2	2.9	0.0	
G143.5	0.0	0.0	0.0	0.8	0.0	2.0	0.8	2.7	0.0	
G144.0	2.8	1.7	0.0	1.3	2.9	2.0	1.2	2.9	2.8	
G144.5	0.0	1.8	2.8	1.5	3.0	0.1	1.2	2.9	0.0	
G145.0	3.0	0.4	2.8	0.5	0.0	2.2	1.2	2.7	3.0	
G145.5	0.0	1.7	2.6	1.9	0.0	0.2	1.2	2.9	0.0	
G146.0	0.0	1.7	2.8	0.3	0.0	2.3	1.5	2.9	0.0	
G146.5	0.0	0.8	2.7	0.3	3.4	2.3	1.1	0.0	0.0	
G147.0	0.0	1.6	0.0	0.2	3.6	0.4	1.8	0.0	0.0	
G147.5	3.6	1.6	2.6	2.7	0.0	2.5	1.9	0.0	3.6	

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

## Candlepower Table (Continue 8)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G148.0	3.7	1.2	0.3	0.1	0.0	0.5	2.0	2.5	3.7	
G148.5	3.8	1.4	2.6	0.1	3.8	2.7	2.1	0.0	3.8	
G149.0	3.9	1.6	0.6	0.1	0.0	0.6	2.3	2.6	3.9	
G149.5	4.0	1.7	2.4	0.0	0.0	2.7	0.9	0.3	4.0	
G150.0	4.1	1.5	1.0	3.5	0.0	2.8	2.7	0.6	4.1	
G150.5	0.0	1.9	1.2	0.0	0.0	0.8	0.8	2.5	0.0	
G151.0	4.3	1.5	1.5	0.0	4.0	2.9	2.9	0.9	4.3	
G151.5	4.3	2.3	1.7	0.0	4.1	3.0	3.1	1.1	4.3	
G152.0	4.4	1.3	1.9	0.0	4.1	1.0	3.2	2.2	4.4	
G152.5	0.1	2.5	2.0	4.2	4.1	1.1	0.8	2.1	0.1	
G153.0	0.1	2.7	1.9	4.3	0.0	1.1	0.8	2.1	0.1	
G153.5	4.5	2.6	1.9	4.4	4.1	1.1	3.6	1.9	4.5	
G154.0	0.3	1.4	1.7	0.1	4.1	3.3	3.8	2.1	0.3	
G154.5	0.4	1.4	2.9	0.1	4.1	1.3	3.9	1.9	0.4	
G155.0	0.5	1.2	3.2	0.1	0.5	3.1	0.7	2.5	0.5	
G155.5	0.6	1.4	3.3	4.7	0.6	3.4	0.7	1.7	0.6	
G156.0	0.7	3.5	3.5	4.7	0.7	3.4	0.7	1.6	0.7	
G156.5	4.6	1.2	1.4	0.2	0.6	3.3	0.6	3.1	4.6	
G157.0	1.0	3.8	1.3	0.5	4.1	3.5	4.5	1.5	1.0	
G157.5	1.1	1.4	1.2	0.6	4.0	1.8	0.7	1.4	1.1	
G158.0	1.3	4.1	4.3	0.5	1.1	3.6	0.4	3.7	1.3	
G158.5	1.5	4.1	4.4	4.8	1.5	3.7	0.7	1.3	1.5	
G159.0	1.6	1.4	4.6	0.9	3.9	2.0	0.8	1.2	1.6	
G159.5	4.4	1.4	1.0	4.6	3.7	1.9	4.8	4.2	4.4	
G160.0	1.9	1.4	1.0	4.8	3.8	3.7	5.1	1.1	1.9	
G160.5	2.1	1.4	5.0	4.7	2.1	3.8	0.9	4.4	2.1	
G161.0	4.3	4.7	1.0	1.3	2.1	3.6	0.6	1.0	4.3	
G161.5	2.4	1.4	1.0	4.7	3.6	2.5	0.9	1.0	2.4	
G162.0	2.7	4.9	5.3	1.9	2.6	3.8	5.3	4.7	2.7	
G162.5	4.0	5.0	0.9	4.5	3.3	3.6	0.8	1.0	4.0	
G163.0	3.8	1.4	1.1	4.4	2.9	2.7	1.0	0.9	3.8	
G163.5	3.9	5.2	1.1	2.4	3.4	3.8	5.5	5.1	3.9	
G164.0	3.8	1.5	1.0	4.3	3.3	2.7	5.5	5.3	3.8	
G164.5	3.4	1.5	1.2	4.2	3.3	3.0	5.6	5.4	3.4	
G165.0	3.8	5.5	5.7	3.0	3.6	3.9	5.6	5.3	3.8	
G165.5	3.9	1.5	5.6	3.2	3.8	3.9	1.3	1.1	3.9	
G166.0	3.9	1.6	5.8	3.4	3.9	3.9	1.4	5.6	3.9	

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

## Candlepower Table (Continue 9)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G166.5	4.2	1.5	5.8	3.8	4.1	3.9	1.4	1.1	4.2	
G167.0	4.4	5.8	1.4	3.8	3.0	3.4	5.8	1.3	4.4	
G167.5	3.3	1.6	5.8	4.0	2.9	3.5	5.8	5.8	3.3	
G168.0	3.2	5.9	1.9	4.2	4.6	3.9	1.7	1.4	3.2	
G168.5	3.1	1.7	5.8	4.4	4.7	3.7	5.8	5.8	3.1	
G169.0	4.8	6.0	5.7	3.3	2.8	3.8	5.8	1.6	4.8	
G169.5	5.2	6.1	2.2	3.1	2.7	3.9	5.8	1.7	5.2	
G170.0	5.3	6.2	2.4	3.0	2.7	3.9	2.1	1.8	5.3	
G170.5	5.3	1.7	2.5	5.2	2.7	4.1	5.8	1.9	5.3	
G171.0	2.9	6.3	5.4	2.8	2.7	4.1	5.7	5.5	2.9	
G171.5	2.8	6.3	5.3	5.4	5.4	3.7	2.3	5.6	2.8	
G172.0	5.9	1.7	5.2	5.6	2.5	4.3	2.5	2.4	5.9	
G172.5	5.9	1.9	3.2	5.7	2.5	4.4	5.6	5.5	5.9	
G173.0	2.7	6.4	3.3	2.5	6.0	3.8	5.6	2.8	2.7	
G173.5	6.3	1.8	5.0	6.1	6.2	3.8	5.5	2.9	6.3	
G174.0	2.6	2.0	4.8	2.3	2.5	4.7	5.4	3.1	2.6	
G174.5	6.3	2.1	4.8	2.3	6.4	4.8	5.3	4.9	6.3	
G175.0	6.4	1.9	4.7	6.3	2.1	3.5	5.2	3.6	6.4	
G175.5	6.5	6.5	4.2	6.4	6.6	5.0	3.6	4.6	6.5	
G176.0	6.5	6.5	4.4	2.2	2.1	3.6	3.8	4.3	6.5	
G176.5	6.7	2.2	4.2	6.5	2.3	5.2	4.8	4.1	6.7	
G177.0	2.4	6.4	4.7	6.6	6.8	5.4	4.2	3.9	2.4	
G177.5	2.4	2.3	3.6	2.1	6.8	5.4	4.5	4.9	2.4	
G178.0	6.8	6.3	5.6	2.2	6.8	3.3	4.6	3.4	6.8	
G178.5	6.8	2.6	2.6	6.3	2.5	3.2	4.1	5.6	6.8	
G179.0	2.7	5.7	2.1	3.4	6.7	3.0	5.1	5.8	2.7	
G179.5	3.5	4.0	6.2	5.2	6.5	2.9	5.4	2.4	3.5	
G180.0	4.4	3.5	3.8	2.3	3.6	6.3	6.4	2.2	4.4	

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector: