

Report No.:

Test Time: 2018-08-27 14:44

## Luminaire Property

Luminaire Manufacturer:

Luminaire Description: MR16-7W-27K-15D Voltage: 12.0 V

Current: 0.665 A

Power: 6.40 W

Power Factor: 0.806

## Photometric Results

CIE Class: Direct

Measurement Flux: 568.3 lm

Downward Ratio: 98%

Total Rated Lamp Lumens: 568.3 lm

Efficiency: 100%

Upward Ratio: 2%

Horizontal Diffuse Angle(10%,25%,50%,75%): H29.7,H21.1,H14.1,H8.7

Vertical Diffuse Angle(10%,25%,50%,75%): V28.8,V20.6,V13.7,V8.6

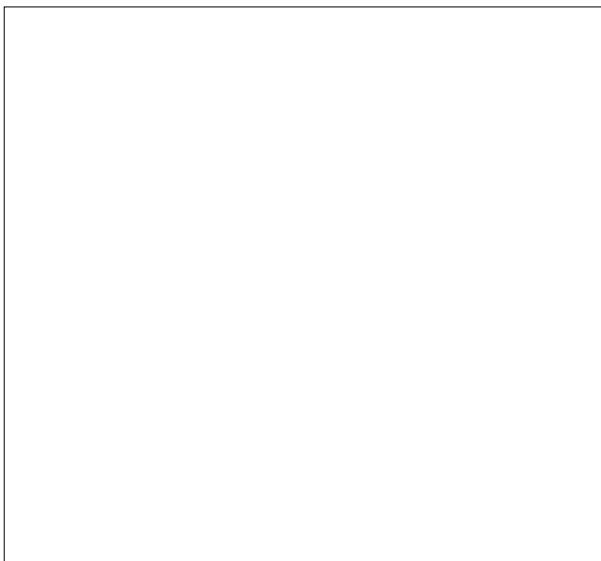
Luminaire Efficacy Rating (LER): 89

Central Intensity: 4191.52 cd

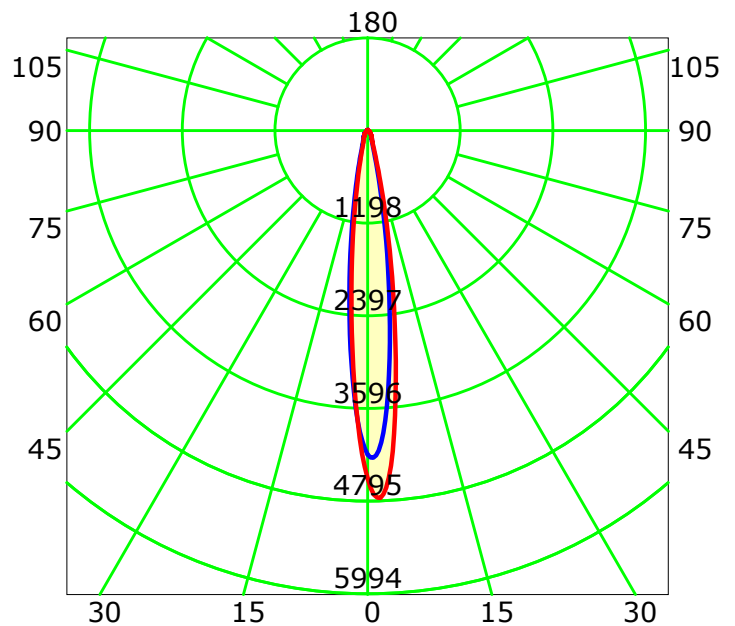
Max. Intensity: 4756.88 cd

Pos of Max. Intensity: H90 V2

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

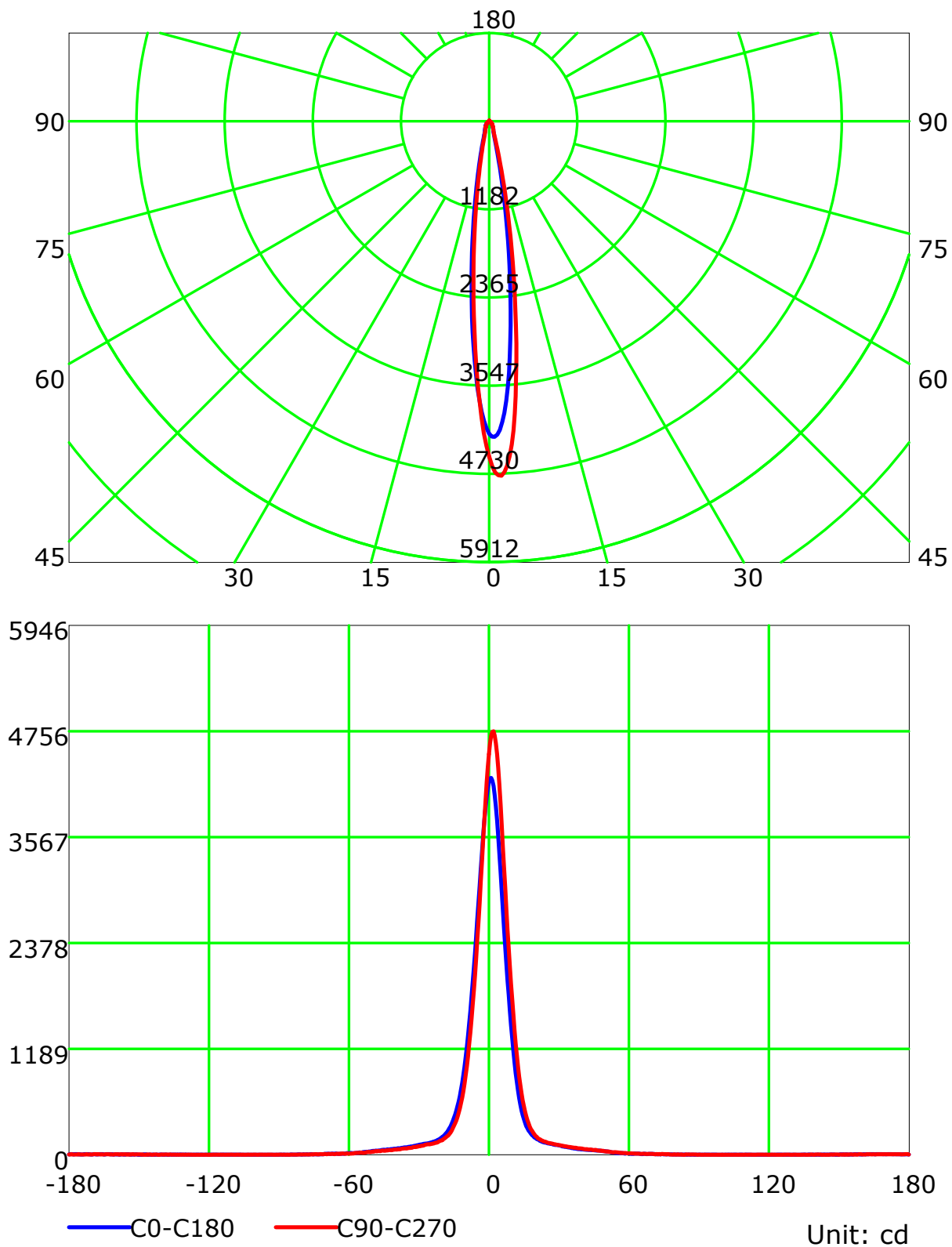
Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

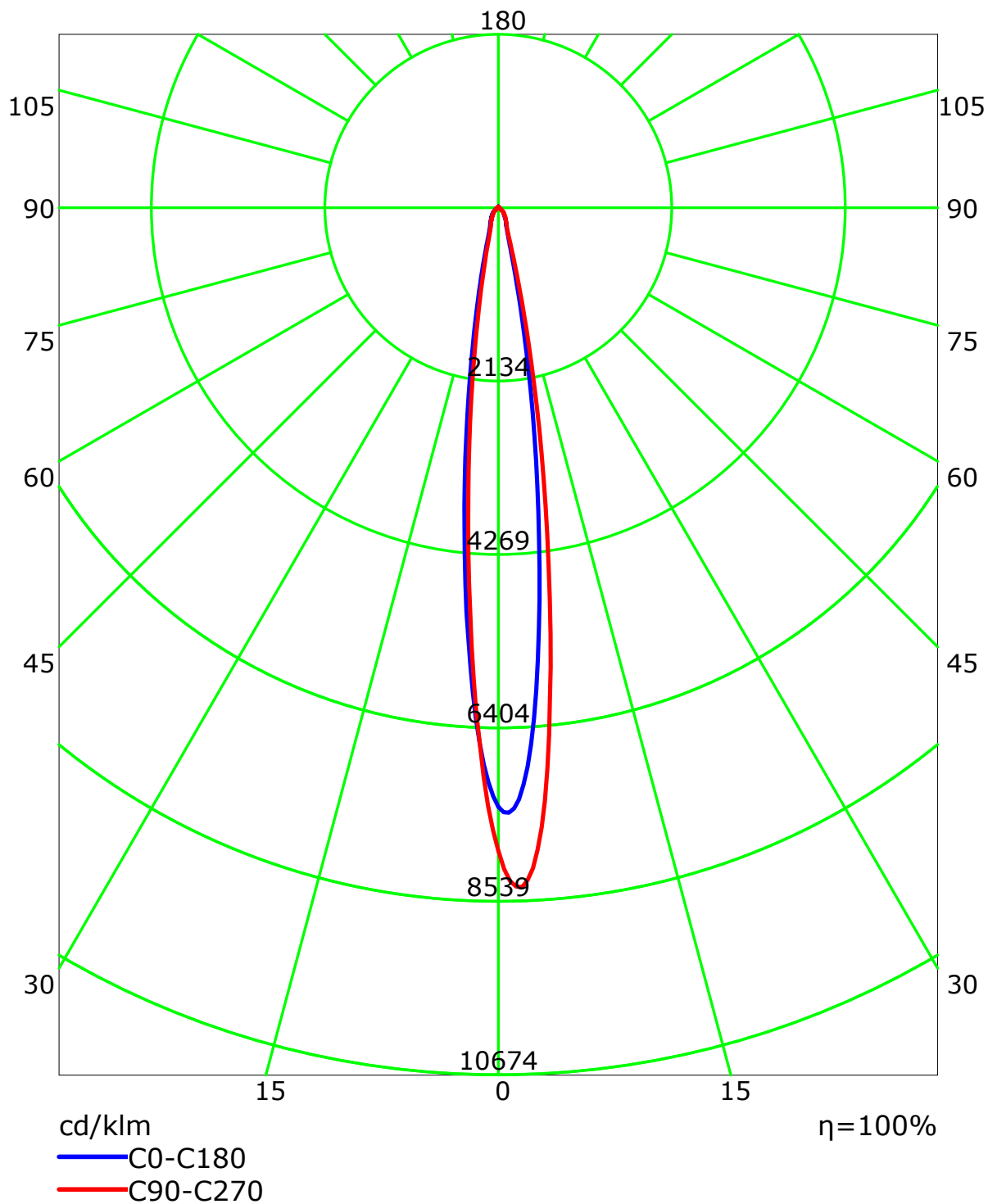
## Luminous Intensity Distribution Curve



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)



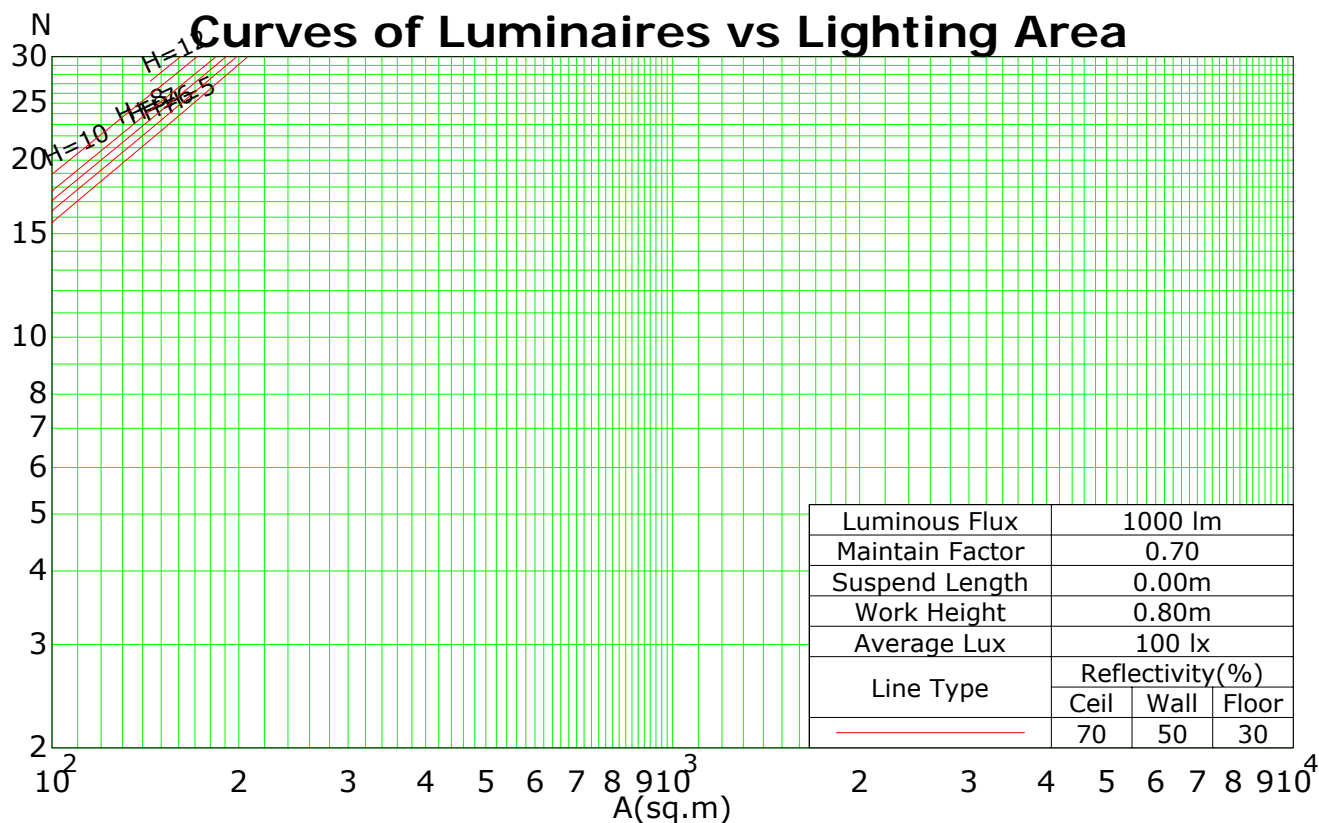
C Plane (°):0.0-360.0: 45.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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	110	110	110	105	105	105	101	101	101	98
1	114	111	109	107	111	109	107	105	104	103	101	100	99	98	97	96	95	93
2	109	104	100	97	106	102	99	96	99	96	94	96	93	92	93	91	89	88
3	104	98	94	90	102	97	93	90	94	91	88	91	89	86	89	87	85	83
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	86	83	81	79
5	96	89	84	80	95	88	83	80	86	82	79	84	81	78	83	80	77	76
6	93	85	80	77	91	85	80	76	83	79	76	81	78	75	80	77	75	73
7	90	82	77	74	88	81	77	73	80	76	73	79	75	72	78	74	72	71
8	87	79	74	71	86	79	74	71	78	73	70	76	73	70	75	72	70	69
9	84	77	72	69	83	76	72	69	75	71	68	74	71	68	73	70	68	67
10	82	74	70	67	81	74	70	67	73	69	66	72	69	66	72	68	66	65

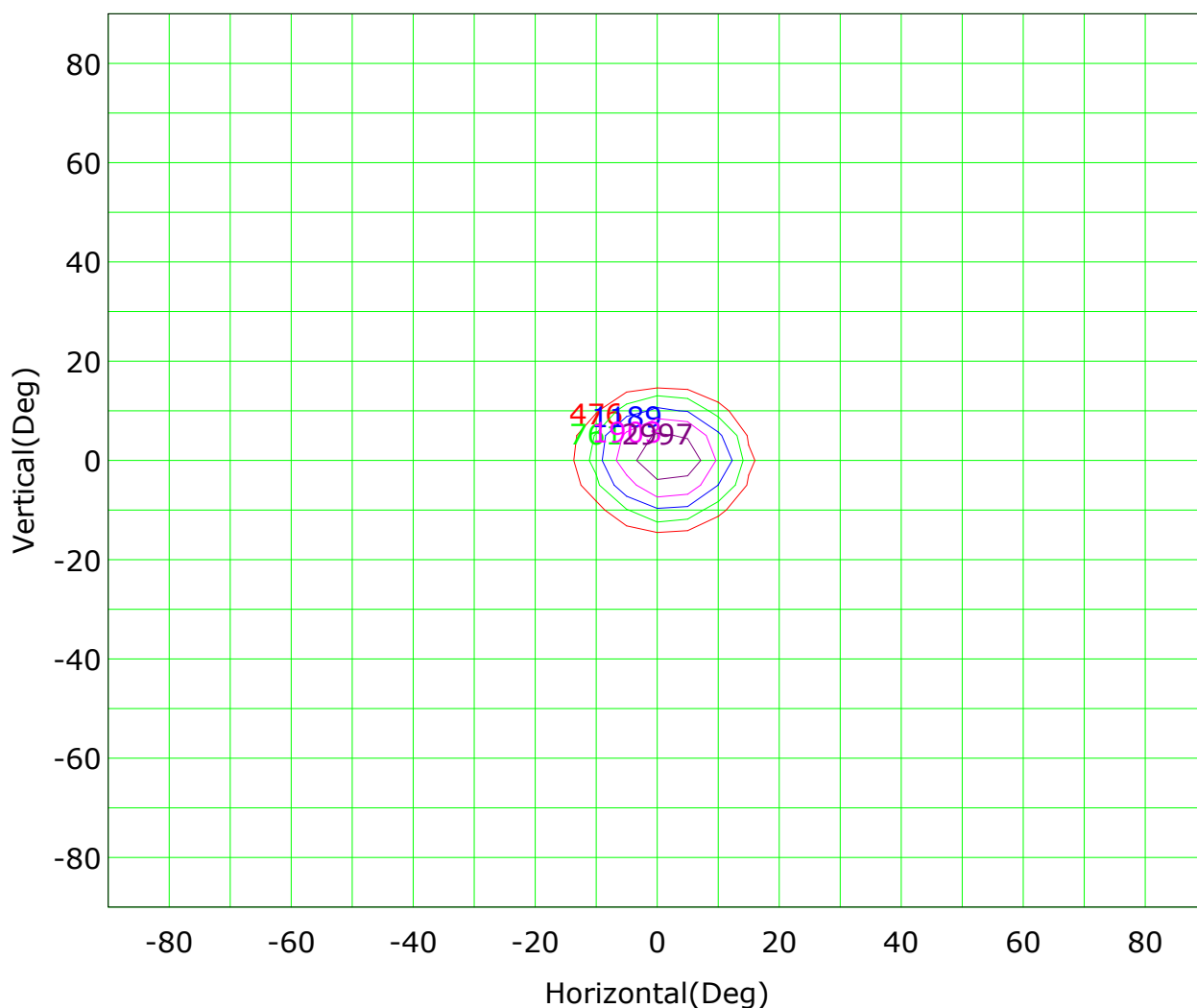
Spacing Criteria (0-180): 0.24  
 Spacing Criteria (90-270): 0.25  
 Spacing Criteria (Diagonal): 0.26



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)



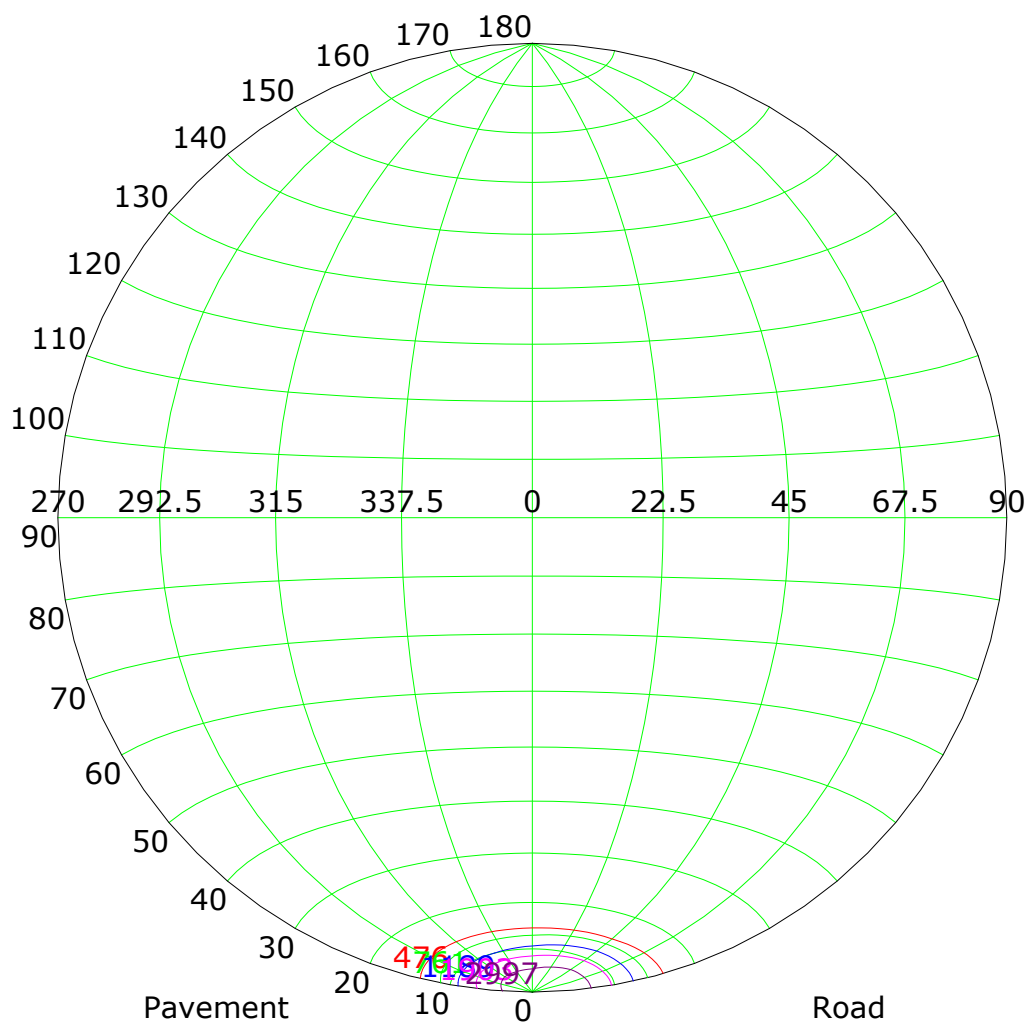
Imax (100%): 4757 cd

( 10%): 476 cd	( 16%): 761 cd
( 25%): 1189 cd	( 40%): 1903 cd
( 63%): 2997 cd	(100%): 4757 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%): 4757 cd

( 10%): 476 cd	( 16%): 761 cd
( 25%): 1189 cd	( 40%): 1903 cd
( 63%): 2997 cd	(100%): 4757 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

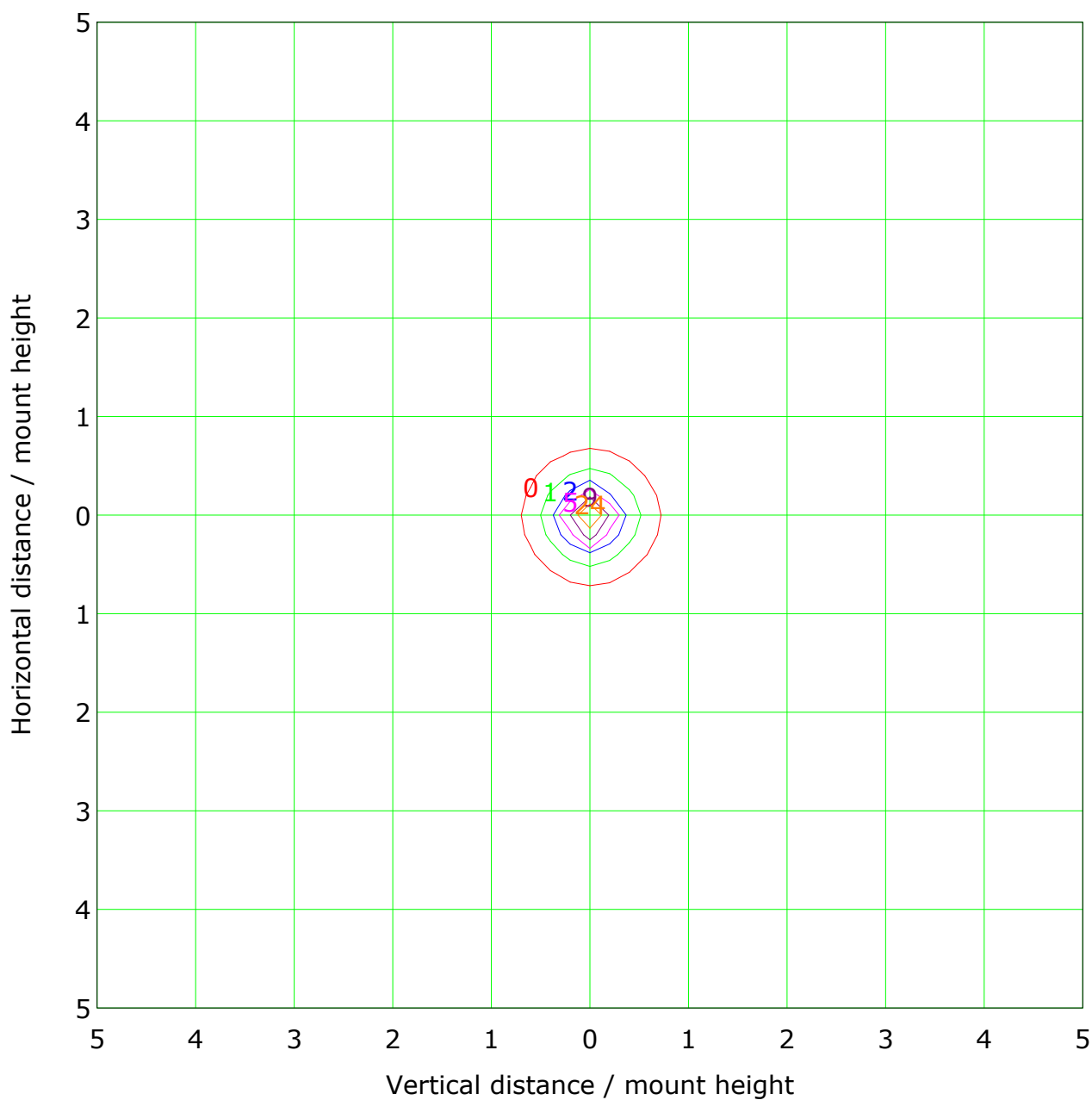
Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10.0m    Max Lux(100%): 47.5 lx

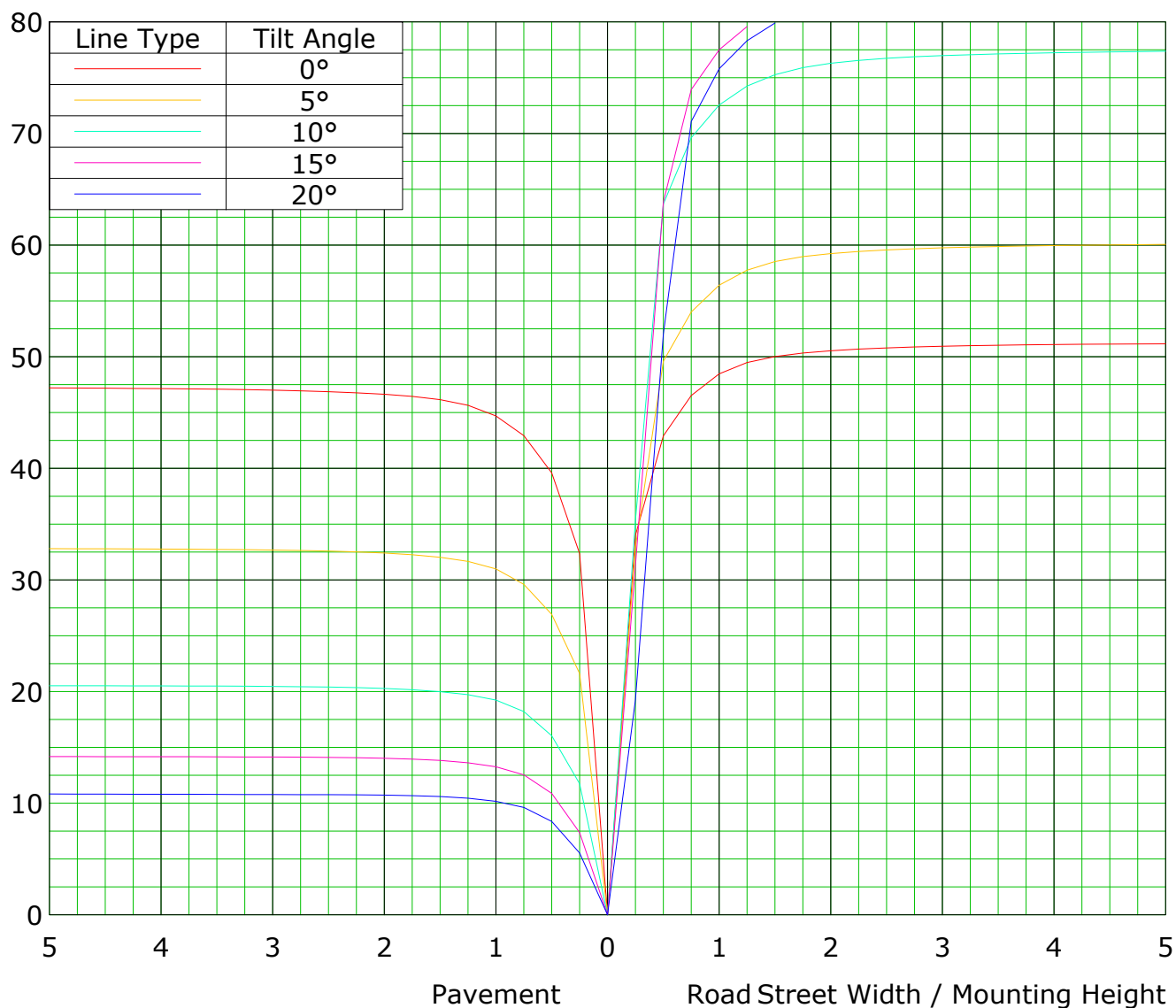
( 1%): 0.5 lx	( 2%): 0.9 lx
( 5%): 2.4 lx	( 10%): 4.7 lx
( 20%): 9.5 lx	( 50%): 23.7 lx
(100%): 47.5 lx	

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:

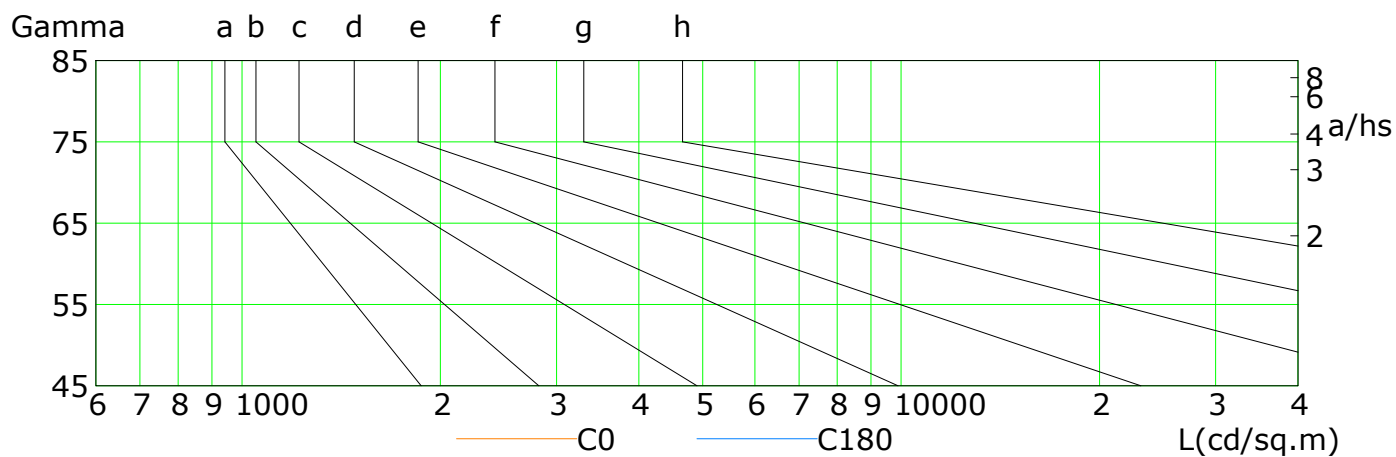
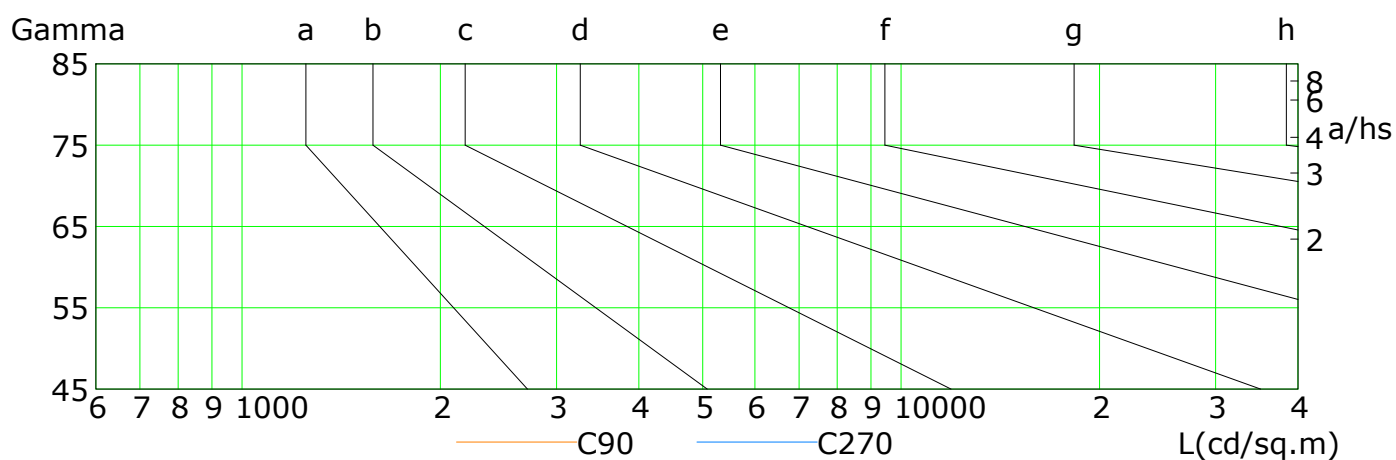
Inspector:



## 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

a b c d e f g h



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	52	40	19	12	9	10	5	4	1
C90	52	38	27	16	11	10	8	2	4
C180	57	42	24	20	10	11	4	3	3
C270	45	38	24	13	13	10	6	3	2

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

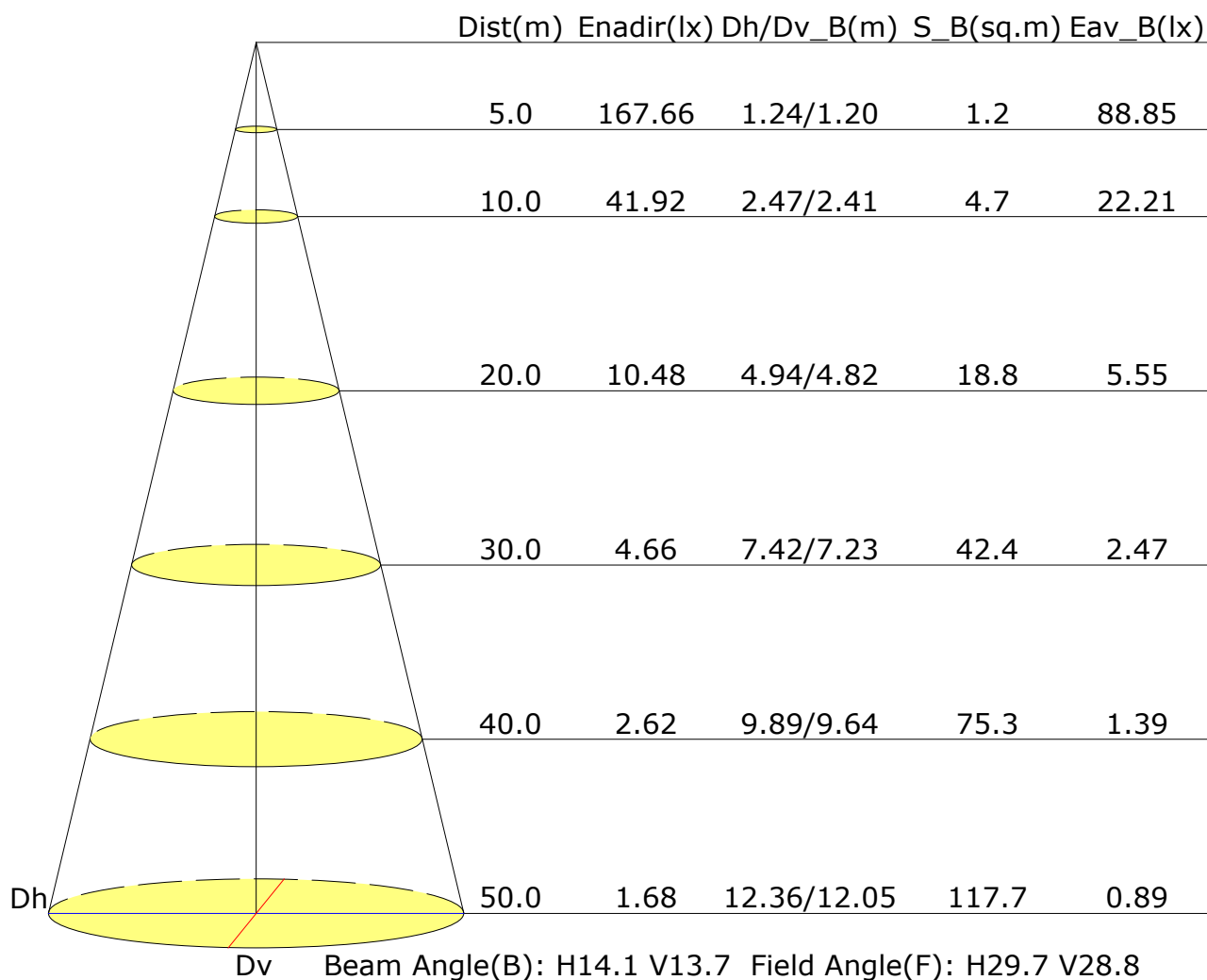
Test Device: GPM-1600

Distance: 8.177 m

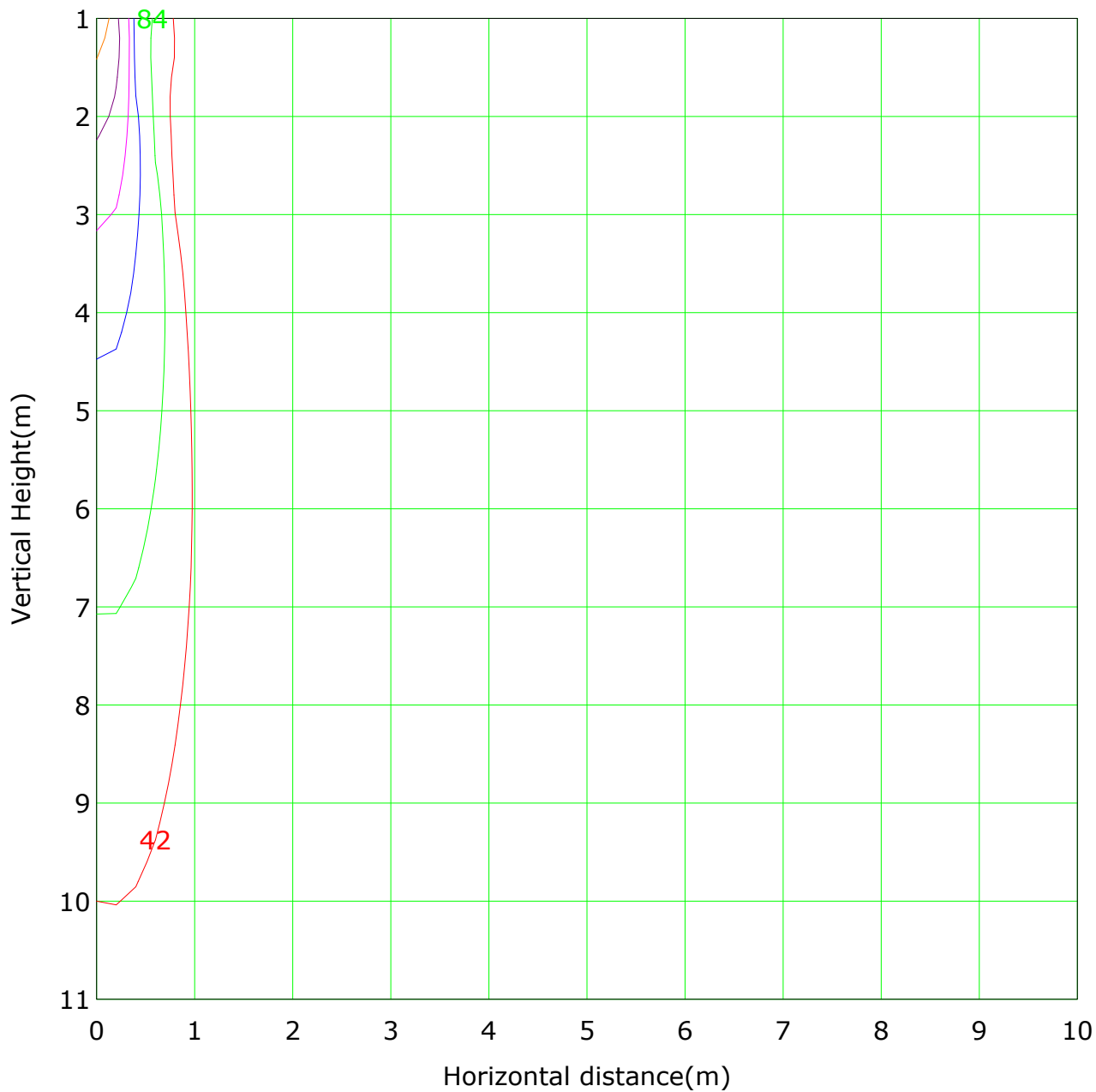
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



Lowest(m): 1.0m   Highest(m): 11.0m   Max Lux: 4191.5 lx

— ( 1%): 41.9 lx	— ( 2%): 83.8 lx
— ( 5%): 209.6 lx	— ( 10%): 419.2 lx
— ( 20%): 838.3 lx	— ( 50%): 2095.8 lx
— (100%): 4191.5 lx	

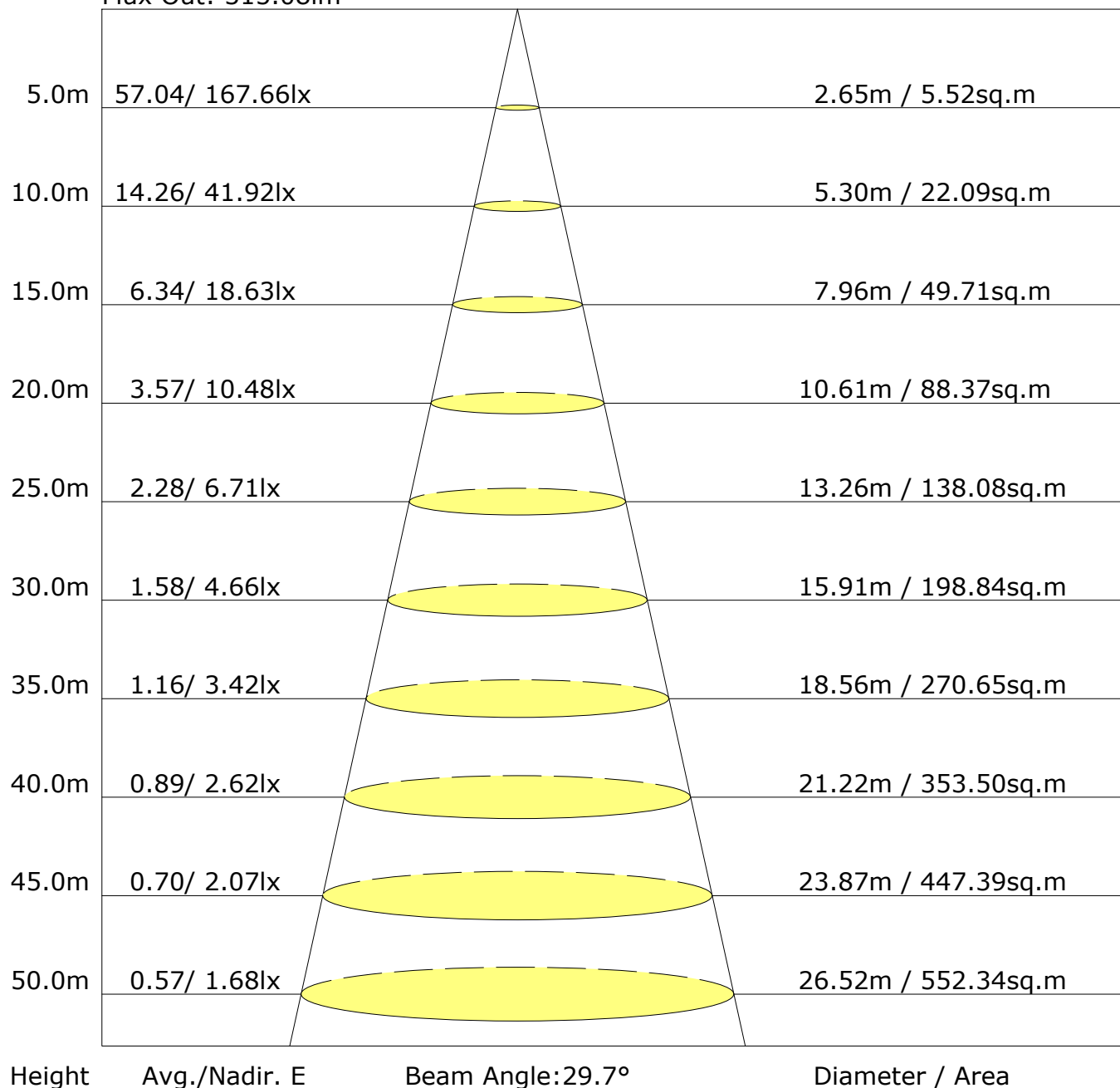
C Plane (°): 0.0-360.0: 45.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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

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: 315.08lm



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

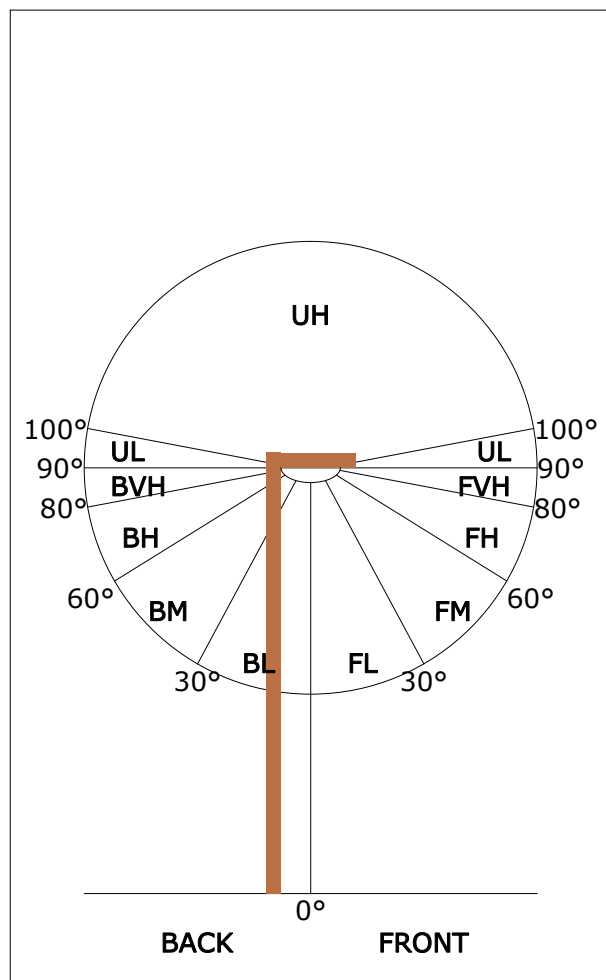
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
3H	1.\$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



ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	309	54.4
FL ( 0°-30°)	239	42.1
FM (30°-60°)	59	10.4
FH (60°-80°)	9	1.6
FVH (80°-90°)	1	0.2
BACK LIGHT	249	43.9
BL ( 0°-30°)	184	32.4
BM (30°-60°)	55	9.7
BH (60°-80°)	9	1.6
BVH (80°-90°)	1	0.2
UP LIGHT	10	1.7
UL (90°-100°)	1	0.2
UH (100°-180°)	9	1.6
TRAPPED LIGHT	NA	NA

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

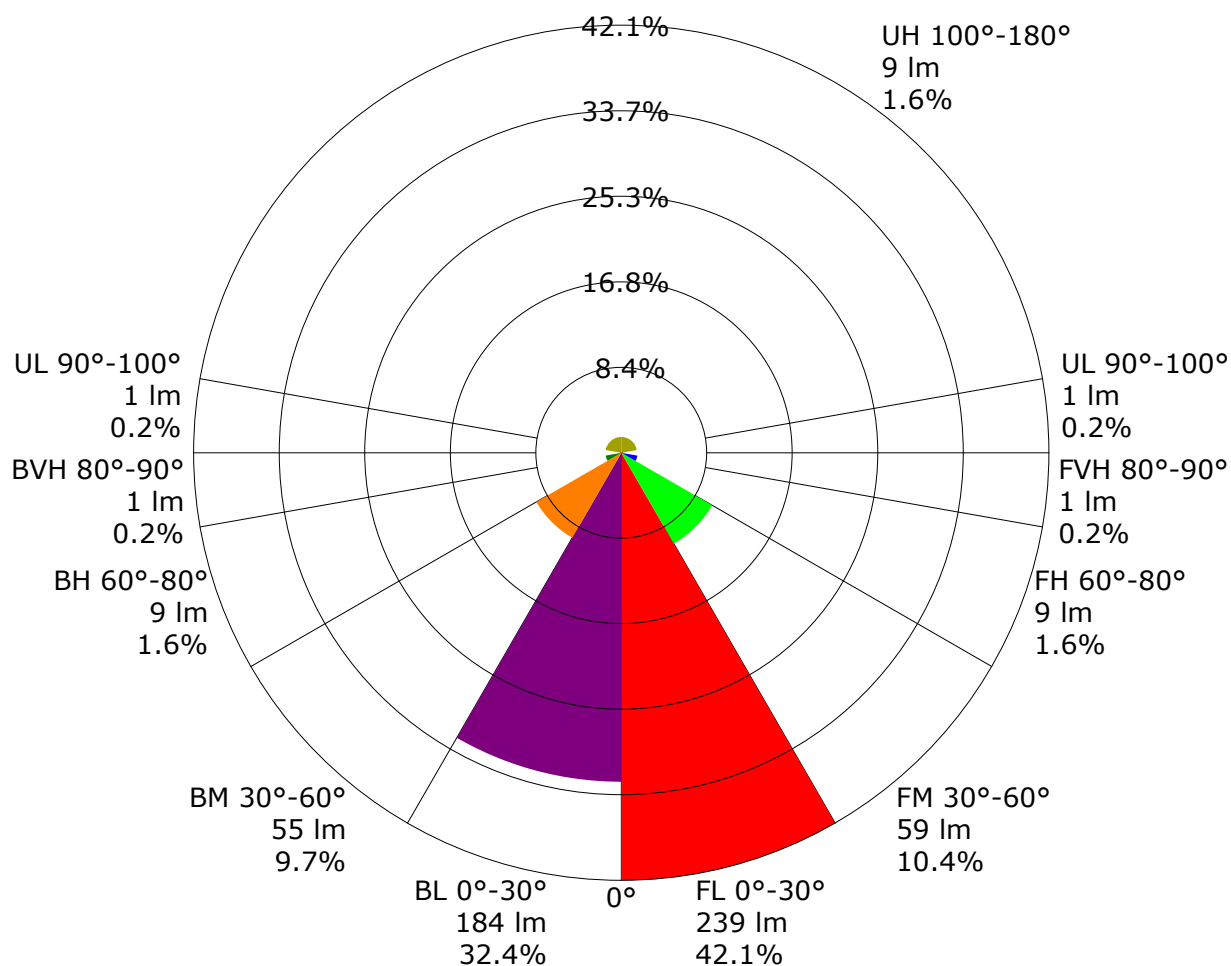
Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

## LCS Graph





## Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 0.50									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.93	0.99	1.03	1.05	1.10	1.12	1.14	1.16	1.18	
	0.30		0.88	0.94	0.98	1.01	1.06	1.09	1.11	1.14	1.16	
	0.20		0.85	0.91	0.95	0.98	1.03	1.06	1.09	1.12	1.14	
0.50	0.50	0.20	0.91	0.97	1.00	1.03	1.06	1.08	1.10	1.12	1.13	
	0.30		0.87	0.93	0.96	0.99	1.03	1.06	1.08	1.10	1.12	
	0.20		0.84	0.90	0.94	0.97	1.01	1.04	1.06	1.08	1.10	
0.30	0.50	0.20	0.90	0.95	0.98	1.00	1.03	1.05	1.06	1.08	1.09	
	0.30		0.86	0.91	0.95	0.97	1.01	1.03	1.04	1.07	1.08	
	0.20		0.84	0.89	0.92	0.95	0.99	1.01	1.03	1.05	1.07	
0.00	0.00	0.00	0.82	0.87	0.90	0.92	0.95	0.97	0.98	1.00	1.01	
<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(Wall)

Utilisation Factors UF(W)			SHR NOM = 0.50									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.59	0.48	0.41	0.36	0.28	0.24	0.20	0.16	0.13	
	0.30		0.49	0.41	0.36	0.32	0.26	0.22	0.19	0.15	0.12	
	0.20		0.42	0.36	0.32	0.28	0.23	0.20	0.17	0.14	0.12	
0.50	0.50	0.20	0.55	0.45	0.38	0.33	0.26	0.26	0.18	0.14	0.12	
	0.30		0.47	0.39	0.34	0.30	0.24	0.20	0.17	0.13	0.11	
	0.20		0.41	0.35	0.30	0.27	0.22	0.19	0.16	0.13	0.11	
0.30	0.50	0.20	0.53	0.42	0.36	0.31	0.24	0.20	0.17	0.13	0.11	
	0.30		0.45	0.37	0.32	0.28	0.22	0.19	0.16	0.12	0.10	
	0.20		0.39	0.33	0.29	0.25	0.21	0.17	0.15	0.12	0.10	
0.00	0.00	0.00	0.24	0.20	0.17	0.14	0.11	0.09	0.08	0.06	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>												

## Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 0.50									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.15	0.17	0.18	0.19	0.21	0.22	0.23	0.23	0.24	
	0.30		0.11	0.13	0.15	0.16	0.18	0.19	0.20	0.22	0.23	
	0.20		0.08	0.10	0.12	0.14	0.16	0.17	0.18	0.20	0.21	
0.50	0.50	0.20	0.15	0.16	0.18	0.19	0.20	0.21	0.22	0.23	0.23	
	0.30		0.11	0.13	0.15	0.16	0.17	0.19	0.20	0.21	0.22	
	0.20		0.08	0.10	0.12	0.13	0.15	0.17	0.18	0.20	0.20	
0.30	0.50	0.20	0.14	0.16	0.17	0.18	0.19	0.20	0.21	0.22	0.22	
	0.30		0.11	0.13	0.14	0.15	0.17	0.18	0.19	0.20	0.21	
	0.20		0.08	0.10	0.12	0.13	0.15	0.16	0.18	0.19	0.20	
0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
Rating:6W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

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

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-0.5	4404.9	1.1	1.1	0.19	0.19
0.5-1.0	4374.0	3.1	4.2	0.55	0.74
1.0-1.5	4308.2	5.2	9.3	0.91	1.64
1.5-2.0	4211.7	7.1	16.4	1.24	2.89
2.0-2.5	4089.8	8.8	25.2	1.55	4.43
2.5-3.0	3940.2	10.4	35.6	1.82	6.26
3.0-3.5	3768.8	11.7	47.3	2.06	8.32
3.5-4.0	3582.3	12.8	60.1	2.26	10.58
4.0-4.5	3385.3	13.8	73.9	2.42	13.00
4.5-5.0	3181.3	14.4	88.3	2.54	15.54
5.0-5.5	2966.7	14.9	103.2	2.62	18.16
5.5-6.0	2752.6	15.1	118.3	2.66	20.82
6.0-6.5	2547.7	15.2	133.5	2.68	23.50
6.5-7.0	2346.2	15.1	148.7	2.66	26.16
7.0-7.5	2148.3	14.9	163.5	2.62	28.77
7.5-8.0	1961.9	14.5	178.0	2.55	31.33
8.0-8.5	1786.7	14.1	192.1	2.47	33.80
8.5-9.0	1618.8	13.5	205.6	2.38	36.18
9.0-9.5	1462.6	12.9	218.5	2.27	38.44
9.5-10.0	1319.4	12.3	230.7	2.16	40.60
10.0-10.5	1185.4	11.6	242.3	2.04	42.63
10.5-11.0	1061.6	10.9	253.2	1.91	44.54
11.0-11.5	948.6	10.1	263.3	1.79	46.33
11.5-12.0	846.6	9.5	272.8	1.66	47.99
12.0-12.5	755.0	8.8	281.5	1.55	49.54
12.5-13.0	673.3	8.1	289.7	1.43	50.97
13.0-13.5	600.8	7.6	297.2	1.33	52.30
13.5-14.0	536.9	7.0	304.2	1.23	53.53
14.0-14.5	482.9	6.5	310.8	1.15	54.68
14.5-15.0	435.6	6.1	316.8	1.07	55.75
15.0-15.5	393.4	5.7	322.5	1.00	56.75
15.5-16.0	356.5	5.3	327.8	0.93	57.68
16.0-16.5	324.3	5.0	332.8	0.88	58.56
16.5-17.0	297.0	4.7	337.5	0.83	59.38
17.0-17.5	273.5	4.4	341.9	0.78	60.16
17.5-18.0	252.9	4.2	346.2	0.74	60.91

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	235.6	4.0	350.2	0.71	61.62
18.5-19.0	221.2	3.9	354.1	0.69	62.31
19.0-19.5	208.0	3.8	357.9	0.66	62.97
19.5-20.0	195.3	3.6	361.5	0.64	63.60
20.0-20.5	185.1	3.5	365.0	0.62	64.22
20.5-21.0	176.7	3.4	368.4	0.60	64.83
21.0-21.5	168.5	3.3	371.8	0.59	65.42
21.5-22.0	161.6	3.3	375.1	0.58	65.99
22.0-22.5	155.5	3.2	378.3	0.57	66.56
22.5-23.0	150.5	3.2	381.5	0.56	67.12
23.0-23.5	145.4	3.1	384.6	0.55	67.68
23.5-24.0	140.7	3.1	387.7	0.55	68.22
24.0-24.5	137.5	3.1	390.8	0.54	68.77
24.5-25.0	134.0	3.1	393.9	0.54	69.31
25.0-25.5	129.9	3.0	396.9	0.53	69.84
25.5-26.0	127.5	3.0	400.0	0.53	70.38
26.0-26.5	125.6	3.0	403.0	0.54	70.91
26.5-27.0	122.7	3.0	406.1	0.53	71.45
27.0-27.5	120.1	3.0	409.1	0.53	71.98
27.5-28.0	117.3	3.0	412.1	0.53	72.50
28.0-28.5	113.9	3.0	415.0	0.52	73.02
28.5-29.0	111.6	2.9	418.0	0.52	73.54
29.0-29.5	108.8	2.9	420.9	0.51	74.06
29.5-30.0	105.7	2.9	423.8	0.51	74.56
30.0-30.5	103.0	2.8	426.6	0.50	75.06
30.5-31.0	100.3	2.8	429.4	0.49	75.56
31.0-31.5	97.7	2.8	432.2	0.49	76.05
31.5-32.0	95.1	2.7	434.9	0.48	76.53
32.0-32.5	93.0	2.7	437.7	0.48	77.01
32.5-33.0	90.6	2.7	440.3	0.47	77.48
33.0-33.5	88.4	2.7	443.0	0.47	77.95
33.5-34.0	86.5	2.6	445.6	0.46	78.41
34.0-34.5	85.2	2.6	448.3	0.46	78.88
34.5-35.0	83.0	2.6	450.9	0.46	79.33
35.0-35.5	79.8	2.5	453.4	0.44	79.78
35.5-36.0	78.3	2.5	455.9	0.44	80.22

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	76.8	2.5	458.4	0.44	80.66
36.5-37.0	75.0	2.5	460.8	0.43	81.09
37.0-37.5	73.4	2.4	463.3	0.43	81.52
37.5-38.0	70.4	2.4	465.6	0.42	81.93
38.0-38.5	68.5	2.3	468.0	0.41	82.34
38.5-39.0	67.9	2.3	470.3	0.41	82.75
39.0-39.5	66.3	2.3	472.6	0.40	83.16
39.5-40.0	64.8	2.3	474.9	0.40	83.56
40.0-40.5	63.6	2.3	477.1	0.40	83.95
40.5-41.0	62.6	2.2	479.4	0.39	84.35
41.0-41.5	60.8	2.2	481.6	0.39	84.73
41.5-42.0	59.3	2.2	483.7	0.38	85.11
42.0-42.5	58.6	2.2	485.9	0.38	85.49
42.5-43.0	57.4	2.1	488.0	0.38	85.87
43.0-43.5	56.3	2.1	490.1	0.37	86.24
43.5-44.0	55.4	2.1	492.2	0.37	86.61
44.0-44.5	54.1	2.1	494.3	0.36	86.98
44.5-45.0	53.0	2.0	496.4	0.36	87.34
45.0-45.5	52.7	2.1	498.4	0.36	87.70
45.5-46.0	52.0	2.0	500.5	0.36	88.06
46.0-46.5	50.3	2.0	502.4	0.35	88.41
46.5-47.0	48.2	1.9	504.4	0.34	88.75
47.0-47.5	47.2	1.9	506.3	0.33	89.08
47.5-48.0	46.2	1.9	508.1	0.33	89.41
48.0-48.5	44.7	1.8	510.0	0.32	89.73
48.5-49.0	43.4	1.8	511.8	0.31	90.05
49.0-49.5	41.7	1.7	513.5	0.31	90.35
49.5-50.0	40.2	1.7	515.2	0.30	90.65
50.0-50.5	38.8	1.6	516.8	0.29	90.94
50.5-51.0	36.9	1.6	518.4	0.28	91.21
51.0-51.5	35.8	1.5	519.9	0.27	91.48
51.5-52.0	34.4	1.5	521.4	0.26	91.74
52.0-52.5	32.1	1.4	522.8	0.25	91.99
52.5-53.0	30.3	1.3	524.1	0.23	92.22
53.0-53.5	28.4	1.2	525.4	0.22	92.44
53.5-54.0	27.0	1.2	526.6	0.21	92.65

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	25.7	1.1	527.7	0.20	92.85
54.5-55.0	24.5	1.1	528.8	0.19	93.04
55.0-55.5	23.6	1.1	529.9	0.19	93.23
55.5-56.0	22.6	1.0	530.9	0.18	93.41
56.0-56.5	21.4	1.0	531.9	0.17	93.58
56.5-57.0	20.4	0.9	532.8	0.16	93.75
57.0-57.5	19.6	0.9	533.7	0.16	93.91
57.5-58.0	18.4	0.9	534.5	0.15	94.06
58.0-58.5	17.3	0.8	535.4	0.14	94.20
58.5-59.0	17.2	0.8	536.2	0.14	94.34
59.0-59.5	17.3	0.8	537.0	0.14	94.48
59.5-60.0	16.4	0.8	537.8	0.14	94.62
60.0-60.5	15.6	0.7	538.5	0.13	94.75
60.5-61.0	15.0	0.7	539.2	0.13	94.88
61.0-61.5	14.2	0.7	539.9	0.12	95.00
61.5-62.0	13.5	0.7	540.6	0.11	95.11
62.0-62.5	13.1	0.6	541.2	0.11	95.22
62.5-63.0	13.0	0.6	541.8	0.11	95.34
63.0-63.5	12.8	0.6	542.4	0.11	95.45
63.5-64.0	12.7	0.6	543.1	0.11	95.56
64.0-64.5	12.0	0.6	543.7	0.10	95.66
64.5-65.0	11.4	0.6	544.2	0.10	95.76
65.0-65.5	11.5	0.6	544.8	0.10	95.86
65.5-66.0	11.7	0.6	545.4	0.10	95.96
66.0-66.5	11.0	0.5	545.9	0.10	96.06
66.5-67.0	10.5	0.5	546.5	0.09	96.15
67.0-67.5	10.3	0.5	547.0	0.09	96.24
67.5-68.0	9.0	0.5	547.4	0.08	96.33
68.0-68.5	9.7	0.5	547.9	0.09	96.41
68.5-69.0	10.9	0.6	548.5	0.10	96.51
69.0-69.5	10.2	0.5	549.0	0.09	96.60
69.5-70.0	9.8	0.5	549.5	0.09	96.69
70.0-70.5	9.5	0.5	550.0	0.09	96.78
70.5-71.0	8.1	0.4	550.4	0.07	96.85
71.0-71.5	7.0	0.4	550.8	0.06	96.91
71.5-72.0	7.7	0.4	551.2	0.07	96.98

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	7.7	0.4	551.6	0.07	97.06
72.5-73.0	7.2	0.4	552.0	0.07	97.12
73.0-73.5	6.5	0.3	552.3	0.06	97.18
73.5-74.0	6.2	0.3	552.6	0.06	97.24
74.0-74.5	7.5	0.4	553.0	0.07	97.31
74.5-75.0	7.3	0.4	553.4	0.07	97.38
75.0-75.5	6.3	0.3	553.7	0.06	97.44
75.5-76.0	6.1	0.3	554.1	0.06	97.49
76.0-76.5	6.2	0.3	554.4	0.06	97.55
76.5-77.0	5.6	0.3	554.7	0.05	97.60
77.0-77.5	5.2	0.3	555.0	0.05	97.65
77.5-78.0	5.0	0.3	555.2	0.05	97.70
78.0-78.5	4.4	0.2	555.5	0.04	97.74
78.5-79.0	4.0	0.2	555.7	0.04	97.78
79.0-79.5	4.1	0.2	555.9	0.04	97.82
79.5-80.0	3.9	0.2	556.1	0.04	97.85
80.0-80.5	3.4	0.2	556.3	0.03	97.89
80.5-81.0	3.4	0.2	556.5	0.03	97.92
81.0-81.5	3.2	0.2	556.7	0.03	97.95
81.5-82.0	3.0	0.2	556.8	0.03	97.98
82.0-82.5	3.1	0.2	557.0	0.03	98.01
82.5-83.0	2.8	0.2	557.2	0.03	98.03
83.0-83.5	2.1	0.1	557.3	0.02	98.06
83.5-84.0	2.1	0.1	557.4	0.02	98.08
84.0-84.5	2.2	0.1	557.5	0.02	98.10
84.5-85.0	2.1	0.1	557.6	0.02	98.12
85.0-85.5	2.2	0.1	557.7	0.02	98.14
85.5-86.0	2.0	0.1	557.9	0.02	98.16
86.0-86.5	1.6	0.1	557.9	0.02	98.17
86.5-87.0	1.4	0.1	558.0	0.01	98.19
87.0-87.5	1.6	0.1	558.1	0.02	98.20
87.5-88.0	1.7	0.1	558.2	0.02	98.22
88.0-88.5	1.3	0.1	558.3	0.01	98.23
88.5-89.0	1.5	0.1	558.4	0.01	98.25
89.0-89.5	1.5	0.1	558.4	0.01	98.26
89.5-90.0	1.1	0.1	558.5	0.01	98.27

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	1.1	0.1	558.6	0.01	98.28
90.5-91.0	0.8	0.0	558.6	0.01	98.29
91.0-91.5	0.5	0.0	558.6	0.01	98.29
91.5-92.0	0.6	0.0	558.7	0.01	98.30
92.0-92.5	0.9	0.0	558.7	0.01	98.31
92.5-93.0	1.2	0.1	558.8	0.01	98.32
93.0-93.5	1.0	0.1	558.8	0.01	98.33
93.5-94.0	0.8	0.0	558.9	0.01	98.34
94.0-94.5	1.0	0.1	558.9	0.01	98.35
94.5-95.0	0.9	0.0	559.0	0.01	98.36
95.0-95.5	0.7	0.0	559.0	0.01	98.36
95.5-96.0	1.1	0.1	559.1	0.01	98.37
96.0-96.5	1.1	0.1	559.1	0.01	98.38
96.5-97.0	0.7	0.0	559.2	0.01	98.39
97.0-97.5	0.8	0.0	559.2	0.01	98.40
97.5-98.0	1.0	0.1	559.3	0.01	98.41
98.0-98.5	0.8	0.0	559.3	0.01	98.41
98.5-99.0	0.7	0.0	559.4	0.01	98.42
99.0-99.5	0.8	0.0	559.4	0.01	98.43
99.5-100.0	0.7	0.0	559.4	0.01	98.44
100.0-100.5	0.6	0.0	559.5	0.01	98.44
100.5-101.0	0.7	0.0	559.5	0.01	98.45
101.0-101.5	0.7	0.0	559.5	0.01	98.45
101.5-102.0	1.0	0.1	559.6	0.01	98.46
102.0-102.5	1.0	0.1	559.6	0.01	98.47
102.5-103.0	0.9	0.1	559.7	0.01	98.48
103.0-103.5	1.2	0.1	559.8	0.01	98.49
103.5-104.0	1.1	0.1	559.8	0.01	98.50
104.0-104.5	0.8	0.0	559.9	0.01	98.51
104.5-105.0	0.7	0.0	559.9	0.01	98.52
105.0-105.5	0.8	0.0	559.9	0.01	98.52
105.5-106.0	0.8	0.0	560.0	0.01	98.53
106.0-106.5	0.8	0.0	560.0	0.01	98.54
106.5-107.0	0.5	0.0	560.0	0.00	98.54
107.0-107.5	0.8	0.0	560.1	0.01	98.55
107.5-108.0	0.9	0.0	560.1	0.01	98.56

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	0.9	0.0	560.2	0.01	98.57
108.5-109.0	0.8	0.0	560.2	0.01	98.57
109.0-109.5	0.8	0.0	560.3	0.01	98.58
109.5-110.0	1.0	0.1	560.3	0.01	98.59
110.0-110.5	1.1	0.1	560.4	0.01	98.60
110.5-111.0	0.8	0.0	560.4	0.01	98.61
111.0-111.5	0.8	0.0	560.5	0.01	98.62
111.5-112.0	0.7	0.0	560.5	0.01	98.62
112.0-112.5	0.9	0.0	560.5	0.01	98.63
112.5-113.0	1.0	0.1	560.6	0.01	98.64
113.0-113.5	0.6	0.0	560.6	0.01	98.64
113.5-114.0	0.6	0.0	560.7	0.01	98.65
114.0-114.5	0.8	0.0	560.7	0.01	98.66
114.5-115.0	1.2	0.1	560.8	0.01	98.67
115.0-115.5	1.1	0.1	560.8	0.01	98.68
115.5-116.0	1.1	0.1	560.9	0.01	98.69
116.0-116.5	1.3	0.1	560.9	0.01	98.70
116.5-117.0	1.4	0.1	561.0	0.01	98.71
117.0-117.5	1.3	0.1	561.1	0.01	98.72
117.5-118.0	0.9	0.0	561.1	0.01	98.73
118.0-118.5	1.0	0.0	561.1	0.01	98.74
118.5-119.0	1.1	0.1	561.2	0.01	98.75
119.0-119.5	1.2	0.1	561.3	0.01	98.76
119.5-120.0	0.7	0.0	561.3	0.01	98.76
120.0-120.5	0.5	0.0	561.3	0.00	98.77
120.5-121.0	1.1	0.1	561.4	0.01	98.78
121.0-121.5	1.4	0.1	561.4	0.01	98.79
121.5-122.0	0.8	0.0	561.5	0.01	98.79
122.0-122.5	0.6	0.0	561.5	0.00	98.80
122.5-123.0	1.0	0.0	561.5	0.01	98.81
123.0-123.5	1.1	0.0	561.6	0.01	98.82
123.5-124.0	0.9	0.0	561.6	0.01	98.82
124.0-124.5	0.9	0.0	561.7	0.01	98.83
124.5-125.0	1.0	0.0	561.7	0.01	98.84
125.0-125.5	1.0	0.0	561.8	0.01	98.84
125.5-126.0	0.9	0.0	561.8	0.01	98.85

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	1.0	0.0	561.8	0.01	98.86
126.5-127.0	1.1	0.0	561.9	0.01	98.87
127.0-127.5	0.9	0.0	561.9	0.01	98.88
127.5-128.0	1.1	0.0	562.0	0.01	98.88
128.0-128.5	1.1	0.0	562.0	0.01	98.89
128.5-129.0	1.1	0.0	562.1	0.01	98.90
129.0-129.5	0.9	0.0	562.1	0.01	98.91
129.5-130.0	1.0	0.0	562.2	0.01	98.91
130.0-130.5	1.5	0.1	562.2	0.01	98.93
130.5-131.0	1.3	0.1	562.3	0.01	98.94
131.0-131.5	1.5	0.1	562.3	0.01	98.95
131.5-132.0	1.4	0.1	562.4	0.01	98.96
132.0-132.5	1.2	0.0	562.4	0.01	98.96
132.5-133.0	1.1	0.0	562.5	0.01	98.97
133.0-133.5	1.1	0.0	562.5	0.01	98.98
133.5-134.0	0.9	0.0	562.6	0.01	98.99
134.0-134.5	1.1	0.0	562.6	0.01	98.99
134.5-135.0	1.6	0.1	562.7	0.01	99.01
135.0-135.5	1.7	0.1	562.7	0.01	99.02
135.5-136.0	1.3	0.0	562.8	0.01	99.03
136.0-136.5	1.0	0.0	562.8	0.01	99.03
136.5-137.0	1.3	0.0	562.9	0.01	99.04
137.0-137.5	0.9	0.0	562.9	0.01	99.05
137.5-138.0	1.3	0.0	563.0	0.01	99.06
138.0-138.5	1.9	0.1	563.0	0.01	99.07
138.5-139.0	1.8	0.1	563.1	0.01	99.08
139.0-139.5	1.2	0.0	563.1	0.01	99.09
139.5-140.0	1.1	0.0	563.2	0.01	99.09
140.0-140.5	1.8	0.1	563.2	0.01	99.10
140.5-141.0	1.9	0.1	563.3	0.01	99.12
141.0-141.5	1.2	0.0	563.3	0.01	99.12
141.5-142.0	0.9	0.0	563.4	0.01	99.13
142.0-142.5	1.6	0.1	563.4	0.01	99.14
142.5-143.0	1.6	0.1	563.5	0.01	99.15
143.0-143.5	1.5	0.1	563.5	0.01	99.16
143.5-144.0	1.9	0.1	563.6	0.01	99.17

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	1.3	0.0	563.6	0.01	99.17
144.5-145.0	1.1	0.0	563.7	0.01	99.18
145.0-145.5	1.6	0.1	563.7	0.01	99.19
145.5-146.0	1.4	0.0	563.8	0.01	99.20
146.0-146.5	1.9	0.1	563.8	0.01	99.21
146.5-147.0	2.2	0.1	563.9	0.01	99.22
147.0-147.5	1.7	0.1	563.9	0.01	99.23
147.5-148.0	1.9	0.1	564.0	0.01	99.24
148.0-148.5	2.4	0.1	564.1	0.01	99.25
148.5-149.0	1.9	0.1	564.1	0.01	99.26
149.0-149.5	1.8	0.1	564.2	0.01	99.27
149.5-150.0	2.4	0.1	564.2	0.01	99.28
150.0-150.5	2.7	0.1	564.3	0.01	99.29
150.5-151.0	3.9	0.1	564.4	0.02	99.31
151.0-151.5	4.2	0.1	564.5	0.02	99.33
151.5-152.0	3.6	0.1	564.6	0.02	99.35
152.0-152.5	3.5	0.1	564.7	0.02	99.36
152.5-153.0	3.5	0.1	564.8	0.02	99.38
153.0-153.5	3.3	0.1	564.9	0.01	99.39
153.5-154.0	3.3	0.1	565.0	0.01	99.41
154.0-154.5	3.5	0.1	565.0	0.01	99.42
154.5-155.0	4.3	0.1	565.1	0.02	99.44
155.0-155.5	5.0	0.1	565.3	0.02	99.46
155.5-156.0	4.3	0.1	565.4	0.02	99.48
156.0-156.5	4.1	0.1	565.4	0.02	99.49
156.5-157.0	4.4	0.1	565.5	0.02	99.51
157.0-157.5	5.1	0.1	565.6	0.02	99.53
157.5-158.0	5.1	0.1	565.8	0.02	99.55
158.0-158.5	4.4	0.1	565.8	0.02	99.56
158.5-159.0	5.1	0.1	565.9	0.02	99.58
159.0-159.5	5.7	0.1	566.1	0.02	99.60
159.5-160.0	5.1	0.1	566.2	0.02	99.62
160.0-160.5	5.2	0.1	566.2	0.02	99.63
160.5-161.0	4.9	0.1	566.3	0.02	99.65
161.0-161.5	5.0	0.1	566.4	0.02	99.67
161.5-162.0	5.8	0.1	566.5	0.02	99.68

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	5.8	0.1	566.6	0.02	99.70
162.5-163.0	5.9	0.1	566.7	0.02	99.72
163.0-163.5	6.3	0.1	566.8	0.02	99.73
163.5-164.0	6.2	0.1	566.9	0.02	99.75
164.0-164.5	5.9	0.1	567.0	0.02	99.77
164.5-165.0	5.3	0.1	567.1	0.01	99.78
165.0-165.5	5.0	0.1	567.1	0.01	99.79
165.5-166.0	6.1	0.1	567.2	0.01	99.81
166.0-166.5	6.4	0.1	567.3	0.01	99.82
166.5-167.0	6.3	0.1	567.4	0.01	99.84
167.0-167.5	6.3	0.1	567.5	0.01	99.85
167.5-168.0	5.9	0.1	567.5	0.01	99.86
168.0-168.5	5.8	0.1	567.6	0.01	99.87
168.5-169.0	5.9	0.1	567.7	0.01	99.88
169.0-169.5	6.1	0.1	567.7	0.01	99.89
169.5-170.0	6.2	0.1	567.8	0.01	99.90
170.0-170.5	5.8	0.1	567.8	0.01	99.91
170.5-171.0	5.4	0.0	567.9	0.01	99.92
171.0-171.5	5.6	0.0	567.9	0.01	99.93
171.5-172.0	5.7	0.0	568.0	0.01	99.94
172.0-172.5	6.1	0.0	568.0	0.01	99.95
172.5-173.0	6.1	0.0	568.1	0.01	99.95
173.0-173.5	5.7	0.0	568.1	0.01	99.96
173.5-174.0	5.6	0.0	568.1	0.01	99.97
174.0-174.5	5.4	0.0	568.2	0.01	99.97
174.5-175.0	5.3	0.0	568.2	0.00	99.98
175.0-175.5	5.4	0.0	568.2	0.00	99.98
175.5-176.0	5.6	0.0	568.2	0.00	99.98
176.0-176.5	5.9	0.0	568.3	0.00	99.99
176.5-177.0	5.8	0.0	568.3	0.00	99.99
177.0-177.5	5.9	0.0	568.3	0.00	99.99
177.5-178.0	5.4	0.0	568.3	0.00	100.00
178.0-178.5	4.9	0.0	568.3	0.00	100.00
178.5-179.0	5.8	0.0	568.3	0.00	100.00
179.0-179.5	5.8	0.0	568.3	0.00	100.00
179.5-180.0	4.8	0.0	568.3	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	4191.5	4310.4	4499.7	4643.8	4191.5	4310.4	4499.7	4643.8	4191.5	
G0.5	4229.2	4435.0	4627.1	4652.7	4118.5	4172.8	4354.1	4599.1	4229.2	
G1.0	4233.2	4519.2	4711.4	4624.9	4019.3	3987.6	4183.5	4516.3	4233.2	
G1.5	4204.1	4573.0	4750.3	4554.6	3897.9	3792.4	3977.6	4385.7	4204.1	
G2.0	4142.6	4587.4	4756.9	4450.1	3749.8	3585.8	3747.1	4231.3	4142.6	
G2.5	4039.2	4561.8	4708.6	4303.6	3586.9	3377.8	3540.8	4067.9	4039.2	
G3.0	3916.5	4487.0	4626.5	4128.8	3401.6	3150.7	3303.4	3842.4	3916.5	
G3.5	3757.1	4380.2	4500.5	3941.9	3211.1	2933.9	3070.9	3648.3	3757.1	
G4.0	3580.5	4235.9	4347.4	3741.4	3017.4	2712.6	2827.8	3409.6	3580.5	
G4.5	3387.5	4060.4	4160.9	3536.3	2841.0	2502.0	2623.1	3180.2	3387.5	
G5.0	3175.1	3851.6	3937.5	3335.6	2644.9	2299.4	2415.6	2948.9	3175.1	
G5.5	2963.8	3613.4	3705.4	3104.5	2449.7	2095.8	2203.0	2722.6	2963.8	
G6.0	2757.0	3387.8	3456.6	2900.6	2265.4	1911.2	2016.2	2488.8	2757.0	
G6.5	2547.6	3138.1	3235.9	2669.0	2100.3	1747.3	1846.0	2295.2	2547.6	
G7.0	2333.1	2893.4	3001.9	2454.6	1926.5	1571.5	1677.5	2101.3	2333.1	
G7.5	2145.7	2645.6	2755.7	2251.9	1772.4	1417.0	1519.1	1905.0	2145.7	
G8.0	1960.0	2420.4	2526.1	2067.8	1612.3	1275.8	1373.9	1742.1	1960.0	
G8.5	1793.0	2193.4	2314.9	1873.3	1467.5	1152.5	1238.5	1575.1	1793.0	
G9.0	1614.9	1993.0	2112.3	1695.8	1333.6	1034.5	1103.1	1405.6	1614.9	
G9.5	1455.8	1805.5	1920.8	1534.0	1209.3	926.3	991.8	1264.4	1455.8	
G10.0	1305.4	1643.4	1740.9	1382.2	1089.5	825.2	888.1	1127.4	1305.4	
G10.5	1165.8	1458.3	1573.1	1241.8	986.3	741.5	794.6	1003.1	1165.8	
G11.0	1037.4	1297.2	1398.8	1112.3	896.0	672.2	713.4	894.4	1037.4	
G11.5	918.6	1152.2	1250.0	987.5	807.6	602.5	641.8	796.3	918.6	
G12.0	815.2	1019.5	1115.0	881.4	730.7	545.9	578.1	702.8	815.2	
G12.5	721.2	898.1	988.6	784.5	657.1	495.8	520.1	625.4	721.2	
G13.0	637.0	781.8	876.8	701.0	600.0	450.6	472.5	562.8	637.0	
G13.5	560.1	688.3	777.5	627.2	545.5	410.5	423.0	498.7	560.1	
G14.0	496.6	605.8	690.4	560.0	496.8	376.1	384.9	448.3	496.6	
G14.5	448.0	541.5	611.3	506.3	453.4	345.3	356.2	404.8	448.0	
G15.0	400.9	474.1	544.2	456.5	414.7	318.6	326.0	367.6	400.9	
G15.5	361.9	424.3	485.9	413.1	380.2	292.6	299.2	334.5	361.9	
G16.0	323.8	378.9	435.5	374.6	348.9	273.1	270.9	306.3	323.8	
G16.5	300.9	337.6	392.2	342.6	319.1	253.9	250.2	279.5	300.9	
G17.0	272.3	307.8	354.9	313.9	296.0	238.1	232.3	259.9	272.3	
G17.5	256.6	281.8	317.1	289.3	274.6	224.0	216.9	240.3	256.6	
G18.0	238.4	255.6	289.0	267.4	254.1	211.9	207.3	222.7	238.4	

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 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	220.1	242.7	270.2	247.2	238.1	200.7	195.7	208.6	220.1	
G19.0	211.5	227.1	248.6	230.3	223.7	191.3	185.6	197.0	211.5	
G19.5	195.1	213.8	230.5	216.6	210.9	182.7	176.7	186.1	195.1	
G20.0	188.9	197.6	210.5	200.9	199.8	173.5	164.1	176.7	188.9	
G20.5	176.2	191.7	202.3	190.6	190.3	167.8	161.6	168.7	176.2	
G21.0	172.8	178.4	187.1	180.1	181.5	162.3	155.1	161.3	172.8	
G21.5	165.2	170.5	177.6	171.5	172.8	154.7	149.6	155.4	165.2	
G22.0	154.6	166.9	172.7	166.8	166.5	149.7	140.3	150.2	154.6	
G22.5	154.2	157.4	162.3	160.5	158.6	147.0	136.0	144.5	154.2	
G23.0	145.0	155.4	159.2	154.7	154.6	140.9	136.2	140.8	145.0	
G23.5	140.8	150.8	150.2	146.9	148.3	139.4	128.8	135.0	140.8	
G24.0	136.8	142.4	148.4	145.4	145.4	136.0	125.5	131.8	136.8	
G24.5	137.6	142.2	143.9	141.3	140.1	132.7	122.7	128.4	137.6	
G25.0	129.9	138.4	136.9	137.7	138.0	127.1	120.1	127.6	129.9	
G25.5	126.9	131.4	133.4	134.4	133.2	124.4	117.4	122.2	126.9	
G26.0	128.1	128.1	132.2	131.3	130.5	125.2	119.1	121.9	128.1	
G26.5	121.5	125.1	129.3	128.6	127.8	124.0	117.1	119.4	121.5	
G27.0	122.7	122.0	126.1	125.9	125.8	119.1	114.7	114.0	122.7	
G27.5	116.0	122.5	123.3	119.2	124.5	119.8	111.9	114.6	116.0	
G28.0	113.1	119.7	118.8	117.0	122.6	116.1	104.7	112.3	113.1	
G28.5	110.5	117.0	117.9	118.8	118.5	108.6	101.5	105.7	110.5	
G29.0	111.7	114.2	113.9	116.6	116.8	105.2	102.7	106.2	111.7	
G29.5	108.5	108.1	111.4	109.8	114.3	102.3	96.0	103.7	108.5	
G30.0	105.7	105.2	109.1	111.0	112.2	99.6	97.5	97.1	105.7	
G30.5	102.9	102.4	107.1	103.9	107.9	100.9	91.0	94.3	102.9	
G31.0	100.1	99.5	104.2	100.9	106.6	94.6	93.0	95.7	100.1	
G31.5	94.1	99.7	101.7	98.4	102.1	92.0	86.5	93.4	94.1	
G32.0	94.7	94.2	99.1	100.3	100.8	89.8	88.3	86.9	94.7	
G32.5	89.0	94.6	96.9	94.1	96.7	91.6	86.2	84.7	89.0	
G33.0	89.4	89.3	94.4	96.1	94.3	89.5	80.3	82.5	89.4	
G33.5	86.8	89.9	92.7	93.8	93.8	83.3	78.3	80.4	86.8	
G34.0	84.3	84.6	89.8	92.1	90.0	85.5	76.4	82.7	84.3	
G34.5	82.0	85.4	87.5	90.4	89.6	83.5	78.5	81.3	82.0	
G35.0	79.8	83.1	86.7	84.8	85.9	77.4	72.7	79.7	79.8	
G35.5	75.3	80.9	83.4	83.3	84.0	75.7	70.9	73.3	75.3	
G36.0	75.1	76.1	82.8	85.3	83.9	78.3	73.2	71.3	75.1	
G36.5	71.0	74.1	79.2	79.4	82.1	72.0	71.4	73.4	71.0	

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 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	70.9	75.0	79.3	81.9	78.1	74.5	69.7	67.1	70.9	
G37.5	68.9	70.4	77.8	76.1	78.5	68.8	67.8	69.3	68.9	
G38.0	65.3	68.5	73.7	74.4	74.5	67.2	62.3	63.5	65.3	
G38.5	63.8	69.4	72.0	76.4	72.8	65.5	60.7	65.8	63.8	
G39.0	63.5	67.9	73.0	74.6	73.6	63.8	63.2	60.1	63.5	
G39.5	61.0	63.7	71.3	73.1	69.6	66.5	57.8	58.7	61.0	
G40.0	60.8	64.9	69.8	68.2	67.9	65.1	60.4	57.3	60.8	
G40.5	59.5	61.1	65.1	66.6	68.8	63.5	59.1	59.7	59.5	
G41.0	58.3	62.5	63.6	67.7	67.3	62.3	57.7	58.4	58.3	
G41.5	56.8	61.5	61.9	63.6	63.6	57.5	52.4	57.3	56.8	
G42.0	56.0	60.4	64.1	64.6	64.5	56.5	51.4	56.1	56.0	
G42.5	55.3	59.6	59.0	60.8	60.9	59.0	54.4	55.1	55.3	
G43.0	54.4	58.8	57.8	61.7	59.6	58.2	53.4	50.7	54.4	
G43.5	53.6	58.0	60.3	58.3	60.9	57.4	48.2	49.9	53.6	
G44.0	53.1	57.1	59.0	57.1	57.0	56.4	51.3	49.3	53.1	
G44.5	52.2	56.3	53.6	57.6	55.8	52.4	46.3	51.3	52.2	
G45.0	51.5	55.5	52.3	56.3	57.0	54.5	45.3	50.5	51.5	
G45.5	50.3	54.5	55.1	54.9	55.7	50.9	48.6	49.6	50.3	
G46.0	49.3	53.7	53.8	52.4	54.4	52.3	47.6	48.7	49.3	
G46.5	49.2	52.7	48.3	51.7	50.3	51.2	42.2	47.4	49.2	
G47.0	48.1	49.6	46.9	49.7	48.9	47.9	41.2	46.6	48.1	
G47.5	46.9	48.7	45.6	48.6	47.4	48.8	44.2	45.3	46.9	
G48.0	44.3	49.3	48.6	46.7	45.9	47.3	38.8	42.2	44.3	
G48.5	43.1	46.1	42.6	45.0	47.2	44.1	41.8	42.6	43.1	
G49.0	41.5	44.7	45.4	43.5	42.5	42.8	40.4	41.1	41.5	
G49.5	41.5	43.2	39.7	41.9	44.0	42.5	34.7	38.5	41.5	
G50.0	40.0	41.5	38.0	39.7	42.3	40.8	37.5	37.3	40.0	
G50.5	36.3	39.9	40.7	38.7	40.6	39.2	31.9	37.0	36.3	
G51.0	36.7	38.0	34.8	37.4	36.0	37.3	30.4	35.5	36.7	
G51.5	34.8	37.9	37.3	36.1	37.7	35.5	33.2	33.9	34.8	
G52.0	33.0	35.8	31.8	33.4	32.8	33.7	31.6	32.1	33.0	
G52.5	28.0	31.9	30.1	33.3	34.5	31.8	30.0	30.0	28.0	
G53.0	25.9	31.8	29.0	32.0	33.2	30.0	24.2	28.2	25.9	
G53.5	26.6	27.9	27.7	28.9	31.8	28.3	23.0	26.4	26.6	
G54.0	21.7	27.5	29.8	27.6	30.5	27.2	21.9	25.0	21.7	
G54.5	20.3	23.7	28.4	28.4	25.6	25.9	25.1	23.2	20.3	
G55.0	19.2	22.1	27.0	27.5	24.4	23.7	24.0	22.9	19.2	

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	21.6	22.3	25.8	23.9	26.9	22.6	23.2	21.0	21.6	
G56.0	17.3	21.2	24.6	25.3	22.3	21.5	22.3	19.9	17.3	
G56.5	19.9	18.5	21.0	24.5	21.2	20.4	21.6	20.5	19.9	
G57.0	19.2	17.7	22.5	20.8	20.4	19.4	20.9	18.3	19.2	
G57.5	18.6	18.6	19.5	19.8	19.6	18.4	20.2	19.1	18.6	
G58.0	14.3	17.8	20.8	19.0	18.6	17.7	15.4	16.5	14.3	
G58.5	13.7	17.3	19.8	21.4	17.8	16.9	14.7	15.8	13.7	
G59.0	17.1	16.7	17.4	17.3	21.1	16.3	14.1	17.5	17.1	
G59.5	16.7	16.2	16.8	19.9	20.4	18.3	13.6	17.0	16.7	
G60.0	12.2	15.6	16.3	15.7	19.7	14.8	13.0	16.5	12.2	
G60.5	11.7	13.3	16.7	18.6	19.1	17.3	12.6	16.1	11.7	
G61.0	11.3	12.8	15.8	14.3	18.5	13.7	16.1	12.7	11.3	
G61.5	10.9	12.4	14.7	17.5	13.7	16.4	11.6	15.4	10.9	
G62.0	10.6	14.0	14.3	13.1	13.3	12.6	11.1	14.9	10.6	
G62.5	14.4	13.6	14.0	12.6	12.7	12.1	14.7	11.1	14.4	
G63.0	14.1	11.3	13.3	12.1	12.1	15.3	14.3	10.8	14.1	
G63.5	13.8	13.0	12.8	15.6	11.6	14.9	9.9	10.2	13.8	
G64.0	13.5	10.6	12.8	15.1	11.1	10.7	13.5	13.6	13.5	
G64.5	13.1	12.4	11.6	10.7	10.8	14.2	9.3	9.5	13.1	
G65.0	8.7	10.0	11.1	14.3	10.3	13.8	12.7	9.1	8.7	
G65.5	8.3	11.9	10.7	14.0	14.3	13.6	12.3	8.8	8.3	
G66.0	8.1	11.6	11.7	13.6	13.8	13.3	8.3	12.6	8.1	
G66.5	12.0	11.4	11.5	8.9	9.3	12.9	8.1	8.2	12.0	
G67.0	11.7	11.3	9.3	8.7	13.1	12.7	11.3	7.9	11.7	
G67.5	7.5	8.6	11.0	8.3	12.8	8.0	11.0	11.9	7.5	
G68.0	7.3	10.8	8.6	8.0	8.2	7.7	7.3	7.3	7.3	
G68.5	10.9	10.6	10.6	12.0	12.1	11.7	10.3	11.3	10.9	
G69.0	10.7	7.7	10.4	11.7	11.9	11.4	10.1	11.1	10.7	
G69.5	10.4	10.2	10.2	11.4	11.5	6.8	6.6	10.8	10.4	
G70.0	10.1	10.0	10.1	11.0	11.1	6.6	9.5	10.6	10.1	
G70.5	9.9	9.9	9.9	6.6	10.8	10.3	9.1	6.1	9.9	
G71.0	9.5	6.7	6.4	10.4	6.4	6.0	5.9	5.9	9.5	
G71.5	6.1	9.4	6.1	6.1	6.2	9.7	5.8	5.6	6.1	
G72.0	6.0	9.3	9.4	10.0	5.9	9.4	8.3	9.5	6.0	
G72.5	5.8	6.0	5.6	9.6	5.6	5.3	8.0	9.3	5.8	
G73.0	8.4	8.9	9.1	5.4	5.4	8.8	5.2	8.9	8.4	
G73.5	5.5	8.7	5.2	5.2	5.2	4.8	4.9	4.8	5.5	

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	7.9	8.6	8.8	4.9	4.9	4.7	7.2	8.3	7.9	
G74.5	7.4	8.3	8.6	8.4	8.4	7.9	6.8	8.2	7.4	
G75.0	5.0	4.8	8.3	8.2	4.5	7.5	6.4	7.9	5.0	
G75.5	6.9	4.6	8.2	8.0	4.3	7.2	4.2	4.1	6.9	
G76.0	6.6	7.7	3.9	7.7	7.6	4.0	5.9	7.4	6.6	
G76.5	4.7	7.5	7.9	4.0	7.4	6.4	4.0	7.0	4.7	
G77.0	5.9	3.9	7.6	3.8	3.8	6.2	5.3	3.6	5.9	
G77.5	5.6	7.3	3.2	6.9	3.5	5.9	3.8	6.6	5.6	
G78.0	4.3	7.0	2.9	3.5	6.6	5.5	3.5	3.3	4.3	
G78.5	5.0	3.2	2.7	6.2	3.0	5.3	4.5	3.2	5.0	
G79.0	4.1	2.9	2.5	6.0	2.9	3.0	4.2	5.8	4.1	
G79.5	4.0	2.7	6.6	2.9	5.8	2.9	4.0	5.4	4.0	
G80.0	3.9	2.5	2.1	5.5	2.6	2.8	3.2	5.3	3.9	
G80.5	3.9	2.2	2.0	5.3	2.5	2.8	3.4	5.0	3.9	
G81.0	3.6	2.1	6.0	2.6	5.0	2.7	3.0	2.3	3.6	
G81.5	3.6	1.9	1.6	2.5	4.8	2.6	2.9	4.6	3.6	
G82.0	3.0	1.6	1.4	4.5	4.7	3.2	2.7	2.1	3.0	
G82.5	2.7	5.5	5.4	2.2	1.9	2.5	2.5	4.1	2.7	
G83.0	3.3	1.2	1.2	4.0	1.8	2.6	2.1	1.9	3.3	
G83.5	2.1	1.1	1.1	3.8	1.5	2.2	2.5	1.6	2.1	
G84.0	3.2	4.9	0.9	1.9	1.4	2.1	2.3	1.5	3.2	
G84.5	1.6	0.7	4.6	1.8	3.5	1.6	2.3	1.4	1.6	
G85.0	1.3	0.5	4.2	1.5	3.3	2.0	2.2	1.3	1.3	
G85.5	2.9	4.5	4.1	1.4	0.9	2.0	0.8	2.7	2.9	
G86.0	2.7	0.0	3.9	1.3	0.8	1.9	0.6	0.9	2.7	
G86.5	0.5	4.1	3.5	1.2	0.7	0.6	2.0	0.7	0.5	
G87.0	2.6	0.0	3.3	1.2	0.5	0.3	0.2	0.7	2.6	
G87.5	2.6	3.8	3.2	0.9	2.0	1.8	0.0	2.0	2.6	
G88.0	0.0	3.5	2.9	0.9	1.9	0.0	1.9	0.3	0.0	
G88.5	0.0	3.4	2.8	0.8	0.3	0.0	0.0	1.6	0.0	
G89.0	2.5	3.3	2.6	0.9	1.5	1.6	1.8	1.5	2.5	
G89.5	0.0	3.2	0.0	0.8	1.4	0.0	1.6	1.2	0.0	
G90.0	2.2	3.0	2.2	0.8	0.1	0.0	1.6	0.0	2.2	
G90.5	2.2	2.8	2.0	0.7	0.1	0.0	0.0	0.0	2.2	
G91.0	0.0	0.0	0.0	0.8	0.1	1.8	1.6	0.0	0.0	
G91.5	2.2	0.0	0.0	0.9	0.2	0.0	0.0	1.1	2.2	
G92.0	0.0	2.5	0.0	0.9	0.7	0.0	0.0	0.9	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	2.2	2.3	1.4	0.9	0.1	1.9	0.0	0.0	2.2	
G93.0	2.2	2.3	0.0	0.9	0.6	2.0	1.8	0.8	2.2	
G93.5	2.2	0.0	0.0	0.0	0.5	0.0	1.9	0.8	2.2	
G94.0	2.2	0.0	0.0	1.1	0.2	2.1	1.9	0.0	2.2	
G94.5	2.2	2.1	1.1	0.0	0.3	0.0	2.0	0.6	2.2	
G95.0	0.0	0.0	0.0	1.1	0.1	2.2	2.0	0.7	0.0	
G95.5	2.3	0.0	0.0	1.1	0.3	2.1	0.0	0.0	2.3	
G96.0	2.2	2.0	0.7	1.1	0.3	2.2	2.0	0.6	2.2	
G96.5	2.3	0.0	0.0	1.3	0.0	2.2	0.0	0.0	2.3	
G97.0	2.3	0.0	0.0	0.0	0.0	0.0	2.1	0.7	2.3	
G97.5	2.3	0.0	0.0	1.3	0.0	2.3	2.1	0.0	2.3	
G98.0	0.0	1.8	0.3	0.0	0.6	2.3	2.2	0.0	0.0	
G98.5	0.0	1.6	0.1	1.5	0.0	0.0	2.2	0.0	0.0	
G99.0	0.0	1.5	0.2	1.5	0.7	2.3	0.0	0.0	0.0	
G99.5	0.0	1.4	0.2	1.6	0.8	2.3	0.0	0.0	0.0	
G100.0	0.0	0.0	0.3	1.6	0.0	0.0	2.2	0.0	0.0	
G100.5	0.0	0.0	0.3	0.0	0.9	2.3	2.3	0.0	0.0	
G101.0	0.0	0.0	0.5	1.8	0.0	0.0	2.3	0.0	0.0	
G101.5	2.3	1.1	0.0	1.9	0.9	0.0	0.0	0.0	2.3	
G102.0	0.0	1.1	0.0	1.9	1.1	2.2	2.3	0.7	0.0	
G102.5	2.2	0.9	0.0	2.0	1.1	0.0	0.0	0.0	2.2	
G103.0	2.2	0.8	0.7	2.0	0.0	0.0	2.3	0.7	2.2	
G103.5	0.0	0.7	0.8	2.0	1.2	2.1	2.3	0.7	0.0	
G104.0	2.2	0.6	0.0	2.1	0.0	2.1	0.0	0.7	2.2	
G104.5	0.0	0.6	0.9	2.1	0.0	0.0	0.0	0.7	0.0	
G105.0	2.1	0.1	0.9	2.2	0.0	2.0	0.0	0.0	2.1	
G105.5	2.1	0.2	0.0	0.0	0.0	0.0	2.3	0.8	2.1	
G106.0	2.1	0.3	1.1	0.0	1.3	1.9	0.0	0.0	2.1	
G106.5	0.0	0.3	0.0	0.0	1.4	1.8	2.3	0.0	0.0	
G107.0	0.0	0.0	1.2	0.0	1.5	0.0	0.0	0.0	0.0	
G107.5	2.0	0.6	1.2	2.3	0.0	0.0	2.3	0.9	2.0	
G108.0	1.9	0.0	1.3	0.0	0.0	0.0	2.3	0.0	1.9	
G108.5	1.8	0.0	0.0	2.3	1.5	1.5	0.0	0.9	1.8	
G109.0	0.0	0.0	0.0	2.5	1.6	0.0	0.0	1.1	0.0	
G109.5	0.0	0.9	0.0	2.5	1.6	1.4	0.0	1.1	0.0	
G110.0	1.6	1.1	1.5	2.5	0.0	0.0	2.3	0.0	1.6	
G110.5	1.6	0.0	0.0	2.5	1.8	0.0	2.2	0.0	1.6	

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 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	1.4	0.0	0.0	0.0	0.0	1.2	2.1	0.0	1.4	
G111.5	0.0	0.0	1.5	2.5	1.8	1.1	0.0	1.2	0.0	
G112.0	1.4	0.0	0.0	0.0	0.0	0.0	2.1	0.0	1.4	
G112.5	1.3	1.5	1.8	2.5	1.9	0.9	0.0	1.3	1.3	
G113.0	1.3	0.0	0.0	2.5	1.9	0.0	0.0	0.0	1.3	
G113.5	1.2	0.0	0.0	0.0	1.9	0.0	0.0	1.3	1.2	
G114.0	1.2	0.0	0.0	0.0	2.0	0.6	1.9	0.0	1.2	
G114.5	1.1	0.0	0.0	2.5	1.9	0.6	0.0	1.5	1.1	
G115.0	0.9	1.9	1.9	2.5	2.0	0.2	1.8	0.0	0.9	
G115.5	0.9	1.9	1.9	0.0	0.0	0.3	0.0	1.6	0.9	
G116.0	0.8	2.0	1.9	2.5	0.0	0.5	1.6	1.6	0.8	
G116.5	0.7	0.0	2.0	2.3	2.1	0.6	0.0	1.6	0.7	
G117.0	0.7	2.1	2.0	2.5	2.1	0.6	1.5	1.6	0.7	
G117.5	0.6	0.0	2.0	2.3	2.1	0.7	0.0	0.0	0.6	
G118.0	0.5	0.0	0.0	0.0	2.2	0.8	1.4	1.8	0.5	
G118.5	0.6	0.0	2.0	2.3	2.2	0.0	0.0	1.8	0.6	
G119.0	0.5	0.0	2.1	2.3	2.2	0.0	0.0	1.9	0.5	
G119.5	0.2	2.3	0.0	2.2	2.2	1.2	1.2	0.0	0.2	
G120.0	0.2	0.0	0.0	0.0	0.0	1.3	1.1	0.0	0.2	
G120.5	0.1	2.5	0.0	0.0	0.0	1.3	0.0	2.0	0.1	
G121.0	0.9	0.0	2.2	2.1	2.3	1.4	0.9	2.0	0.9	
G121.5	1.1	0.0	2.2	0.0	2.3	1.5	0.8	2.0	1.1	
G122.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.1	0.0	
G122.5	0.0	2.6	2.3	0.0	0.0	1.6	0.3	0.0	0.0	
G123.0	1.3	2.6	0.0	0.0	2.3	0.0	0.6	2.1	1.3	
G123.5	1.4	0.0	0.0	1.9	2.3	1.9	0.5	0.0	1.4	
G124.0	1.4	0.0	0.0	1.9	0.0	2.0	0.6	0.0	1.4	
G124.5	1.5	2.7	0.0	0.0	2.5	2.0	0.3	0.0	1.5	
G125.0	1.6	0.0	0.0	0.0	2.5	0.0	0.2	2.3	1.6	
G125.5	1.6	2.7	0.0	1.6	2.5	0.0	0.1	0.0	1.6	
G126.0	0.0	2.7	0.0	1.5	0.0	2.1	0.0	0.0	0.0	
G126.5	0.0	0.0	2.5	1.5	2.6	0.0	1.2	2.5	0.0	
G127.0	1.9	0.0	0.0	1.4	0.0	2.3	1.3	0.0	1.9	
G127.5	0.0	0.0	2.5	1.4	0.0	2.3	1.4	0.0	0.0	
G128.0	0.0	0.0	2.5	0.0	2.6	2.5	0.0	2.5	0.0	
G128.5	0.0	0.0	2.6	1.2	0.0	0.0	1.6	2.6	0.0	
G129.0	2.1	0.0	0.0	1.2	2.7	2.5	1.6	0.0	2.1	

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	0.0	0.0	1.1	0.0	2.6	0.0	0.0	0.0	
G130.0	0.0	2.6	0.0	0.3	2.8	2.6	1.9	2.7	0.0	
G130.5	2.2	2.6	0.0	0.3	2.7	2.6	0.0	0.0	2.2	
G131.0	0.0	0.0	2.7	0.8	2.7	0.0	2.1	2.7	0.0	
G131.5	0.0	2.5	2.6	0.5	2.7	0.0	2.1	2.7	0.0	
G132.0	0.0	2.5	0.0	0.7	2.8	2.7	0.0	0.0	0.0	
G132.5	0.0	2.5	0.0	0.7	2.8	0.0	2.3	2.7	0.0	
G133.0	0.0	2.5	0.0	0.8	0.0	2.7	0.0	0.0	0.0	
G133.5	0.0	2.3	0.0	0.9	2.8	2.8	2.5	0.0	0.0	
G134.0	2.7	0.0	0.0	1.1	0.0	0.0	0.0	0.0	2.7	
G134.5	2.7	0.0	0.0	0.3	2.9	2.8	2.6	2.8	2.7	
G135.0	2.7	0.0	2.7	0.2	0.0	0.0	2.6	2.9	2.7	
G135.5	2.8	0.0	0.0	1.4	2.9	2.9	2.7	2.9	2.8	
G136.0	0.0	2.1	0.0	0.1	0.0	2.9	0.0	0.0	0.0	
G136.5	0.0	2.0	0.0	0.1	3.0	0.0	2.8	2.9	0.0	
G137.0	2.9	0.0	0.0	1.6	0.0	2.9	2.8	0.0	2.9	
G137.5	2.9	0.0	0.0	1.8	0.0	0.0	0.0	0.0	2.9	
G138.0	0.0	1.9	2.8	1.8	0.0	2.9	3.0	3.0	0.0	
G138.5	0.0	0.0	2.8	0.0	3.0	3.2	3.0	3.0	0.0	
G139.0	3.0	1.8	0.0	2.0	0.0	3.2	3.0	0.0	3.0	
G139.5	0.0	0.1	0.0	0.0	3.2	3.0	0.0	0.0	0.0	
G140.0	0.0	0.1	2.9	2.2	0.0	3.2	3.3	0.0	0.0	
G140.5	0.0	1.6	2.9	2.3	3.3	0.0	3.3	3.3	0.0	
G141.0	3.2	0.3	3.0	0.0	3.3	3.3	0.0	0.0	3.2	
G141.5	0.0	0.5	3.0	0.0	0.0	3.3	0.0	0.0	0.0	
G142.0	0.0	1.5	3.0	0.0	0.0	3.4	0.0	0.0	0.0	
G142.5	3.4	0.7	0.0	2.7	3.5	0.0	3.6	3.5	3.4	
G143.0	0.0	1.4	0.0	0.0	0.0	3.5	3.6	0.0	0.0	
G143.5	3.5	1.4	0.0	0.0	0.0	3.5	3.8	3.6	3.5	
G144.0	3.5	1.3	0.0	2.9	3.8	0.0	0.0	3.6	3.5	
G144.5	0.0	1.3	0.0	0.0	0.0	0.1	0.0	3.8	0.0	
G145.0	3.6	1.2	0.0	0.0	0.0	3.8	4.1	0.0	3.6	
G145.5	0.0	1.3	0.0	3.3	4.1	0.3	4.2	0.0	0.0	
G146.0	3.8	1.2	0.0	0.0	0.0	4.0	0.1	0.0	3.8	
G146.5	3.9	1.2	3.5	0.0	0.0	4.0	4.5	4.1	3.9	
G147.0	4.0	1.2	3.5	0.0	4.5	0.9	0.5	0.2	4.0	
G147.5	4.0	2.1	0.0	0.0	4.6	1.1	0.6	0.3	4.0	

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 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	4.1	2.2	3.8	0.0	4.7	1.3	0.7	0.6	4.1	
G148.5	0.1	2.5	3.8	4.0	0.7	4.3	5.0	0.6	0.1	
G149.0	0.2	1.3	3.9	0.1	0.7	1.6	0.9	0.8	0.2	
G149.5	0.5	2.7	4.0	0.2	0.8	1.8	5.2	4.8	0.5	
G150.0	0.6	1.3	0.1	4.5	0.9	4.6	5.4	1.1	0.6	
G150.5	4.6	1.4	4.1	0.5	1.2	2.2	5.5	5.0	4.6	
G151.0	4.7	3.4	4.2	4.8	5.5	4.7	5.6	5.2	4.7	
G151.5	4.8	1.6	0.6	4.9	5.6	4.8	5.6	1.5	4.8	
G152.0	5.0	3.8	4.5	5.2	1.5	4.9	1.5	1.6	5.0	
G152.5	1.4	4.0	0.8	1.1	5.9	2.9	5.9	5.5	1.4	
G153.0	5.3	1.8	4.7	1.3	1.8	3.0	5.9	5.5	5.3	
G153.5	5.4	4.5	1.2	1.4	1.9	5.0	1.9	2.1	5.4	
G154.0	2.1	2.1	4.9	1.5	2.0	5.0	6.1	5.8	2.1	
G154.5	2.2	2.1	1.4	6.0	6.3	3.6	2.0	2.3	2.2	
G155.0	5.9	2.3	5.3	6.1	6.4	5.2	6.2	6.0	5.9	
G155.5	2.6	2.3	5.4	6.2	6.4	5.2	2.2	6.1	2.6	
G156.0	2.8	2.5	2.0	6.4	2.3	4.0	6.3	6.1	2.8	
G156.5	6.2	5.8	2.2	2.3	2.5	5.2	6.3	2.6	6.2	
G157.0	6.3	6.0	5.8	2.6	6.7	5.2	2.3	2.8	6.3	
G157.5	6.4	2.8	2.5	6.8	6.8	5.2	6.4	6.3	6.4	
G158.0	6.6	6.3	2.7	2.9	2.7	4.6	6.4	6.4	6.6	
G158.5	6.7	3.0	6.1	3.0	2.7	4.7	2.5	3.0	6.7	
G159.0	3.9	6.8	6.2	7.2	7.0	5.2	6.6	6.6	3.9	
G159.5	4.1	6.9	6.2	7.3	2.8	4.9	6.6	3.2	4.1	
G160.0	4.2	7.2	3.3	3.5	7.0	5.0	6.7	3.3	4.2	
G160.5	6.9	3.4	3.5	7.4	2.9	5.0	6.8	6.7	6.9	
G161.0	7.0	3.5	3.5	3.8	2.9	5.3	2.7	6.7	7.0	
G161.5	4.6	7.6	3.8	7.5	7.3	5.0	2.8	6.7	4.6	
G162.0	7.3	7.7	6.6	4.0	2.9	4.9	6.8	6.7	7.3	
G162.5	4.8	7.9	6.6	4.2	7.3	4.9	2.8	6.8	4.8	
G163.0	7.3	8.0	6.7	4.3	7.3	4.9	6.8	3.5	7.3	
G163.5	7.4	4.0	6.7	7.7	7.3	5.6	6.8	6.8	7.4	
G164.0	7.4	8.1	4.3	4.5	7.3	4.8	6.9	3.5	7.4	
G164.5	7.4	4.1	4.6	7.9	3.2	5.9	6.9	6.9	7.4	
G165.0	7.4	4.1	6.8	4.7	3.2	4.7	3.0	3.5	7.4	
G165.5	5.4	8.3	4.8	4.8	7.4	4.7	3.0	3.5	5.4	
G166.0	7.5	8.4	4.8	7.9	7.4	6.1	7.0	6.9	7.5	

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	7.5	8.6	6.9	5.0	7.4	4.6	3.2	3.6	7.5	
G167.0	7.5	8.6	6.8	5.0	7.4	4.6	7.0	6.9	7.5	
G167.5	7.5	4.5	6.9	7.9	3.2	6.2	7.2	3.6	7.5	
G168.0	7.5	8.7	6.9	5.3	7.5	4.3	3.2	3.6	7.5	
G168.5	7.5	8.7	6.8	5.3	3.3	4.2	7.2	3.5	7.5	
G169.0	5.8	4.5	6.9	7.7	7.5	4.2	7.2	3.6	5.8	
G169.5	7.5	8.8	6.8	5.4	7.5	4.1	7.0	3.5	7.5	
G170.0	5.9	8.8	6.8	7.6	3.2	6.4	3.2	6.9	5.9	
G170.5	5.9	4.6	6.8	7.6	3.2	6.4	3.2	6.9	5.9	
G171.0	7.5	4.6	6.7	5.6	3.3	3.9	7.0	3.5	7.5	
G171.5	7.5	4.6	6.2	7.5	7.5	3.9	3.2	6.9	7.5	
G172.0	7.4	4.6	6.2	5.6	7.4	6.6	3.2	3.4	7.4	
G172.5	7.4	8.7	6.3	5.6	7.4	3.6	7.2	6.9	7.4	
G173.0	5.9	8.6	6.4	5.6	7.4	3.5	3.2	3.4	5.9	
G173.5	6.0	8.6	6.4	5.6	7.4	6.7	3.2	3.4	6.0	
G174.0	7.3	4.5	6.6	7.0	3.2	3.4	3.2	6.9	7.3	
G174.5	5.9	8.3	6.6	6.9	3.2	6.7	3.2	3.3	5.9	
G175.0	5.9	8.3	6.7	6.8	3.0	3.2	3.2	3.3	5.9	
G175.5	5.8	4.3	6.0	5.5	7.4	6.9	3.2	7.0	5.8	
G176.0	7.0	8.1	5.9	6.4	3.2	3.0	7.2	3.3	7.0	
G176.5	5.6	8.0	5.8	5.6	7.4	7.0	3.2	7.0	5.6	
G177.0	5.5	4.2	5.5	6.2	7.5	7.2	3.3	3.3	5.5	
G177.5	6.7	7.7	5.3	6.0	7.5	7.2	3.4	7.2	6.7	
G178.0	5.3	4.2	6.9	5.6	3.3	3.2	3.3	3.3	5.3	
G178.5	5.2	4.2	7.2	5.5	7.6	3.0	3.4	7.3	5.2	
G179.0	6.7	4.5	7.5	4.9	7.7	7.5	7.6	3.3	6.7	
G179.5	4.5	6.3	7.9	6.6	7.7	3.4	3.5	3.4	4.5	
G180.0	4.1	4.7	3.6	6.9	3.6	3.6	3.6	3.3	4.1	

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: