

Report No.:

Test Time: 2018-08-22 19:00

## Luminaire Property

Luminaire Manufacturer:

Luminaire Description: MR16-7W-3000K-80D

Voltage: 12.0 V

Current: 0.655 A

Power: 6.30 W

Power Factor: 0.803

## Photometric Results

CIE Class: Direct

Measurement Flux: 584.2 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,25%,50%,75%): H109.9,H87.9,H49.5,H30.6

Vertical Diffuse Angle(10%,25%,50%,75%): V110.3,V87.3,V49.9,V31.4

Luminaire Efficacy Rating (LER): 93

Total Rated Lamp Lumens: 584.2 lm

Efficiency: 100%

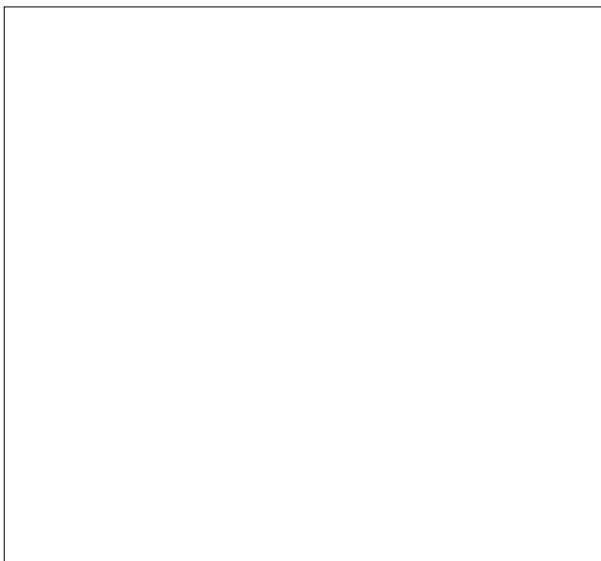
Upward Ratio: 1%

Central Intensity: 572.23 cd

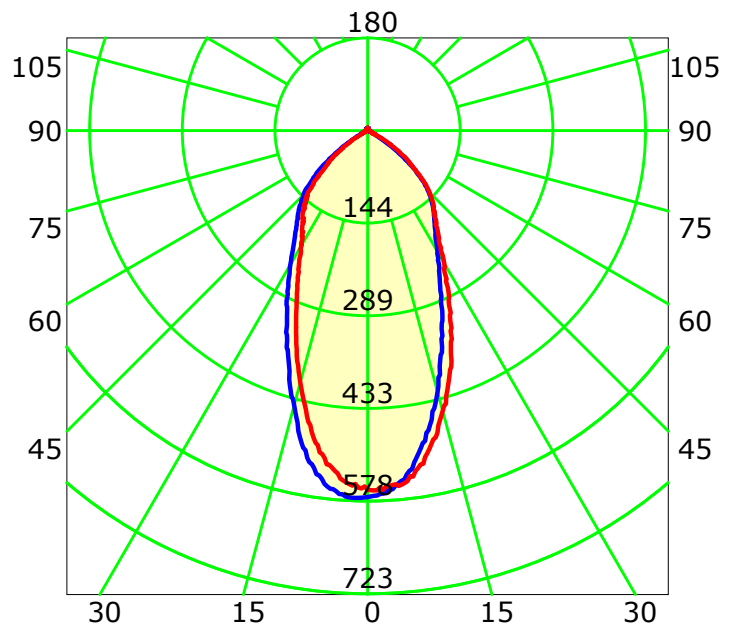
Pos of Max. Intensity: H180 V2

Max. Intensity: 573.97 cd

Picture Of Luminaire



Luminous Intensity Distribution Curve



— 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

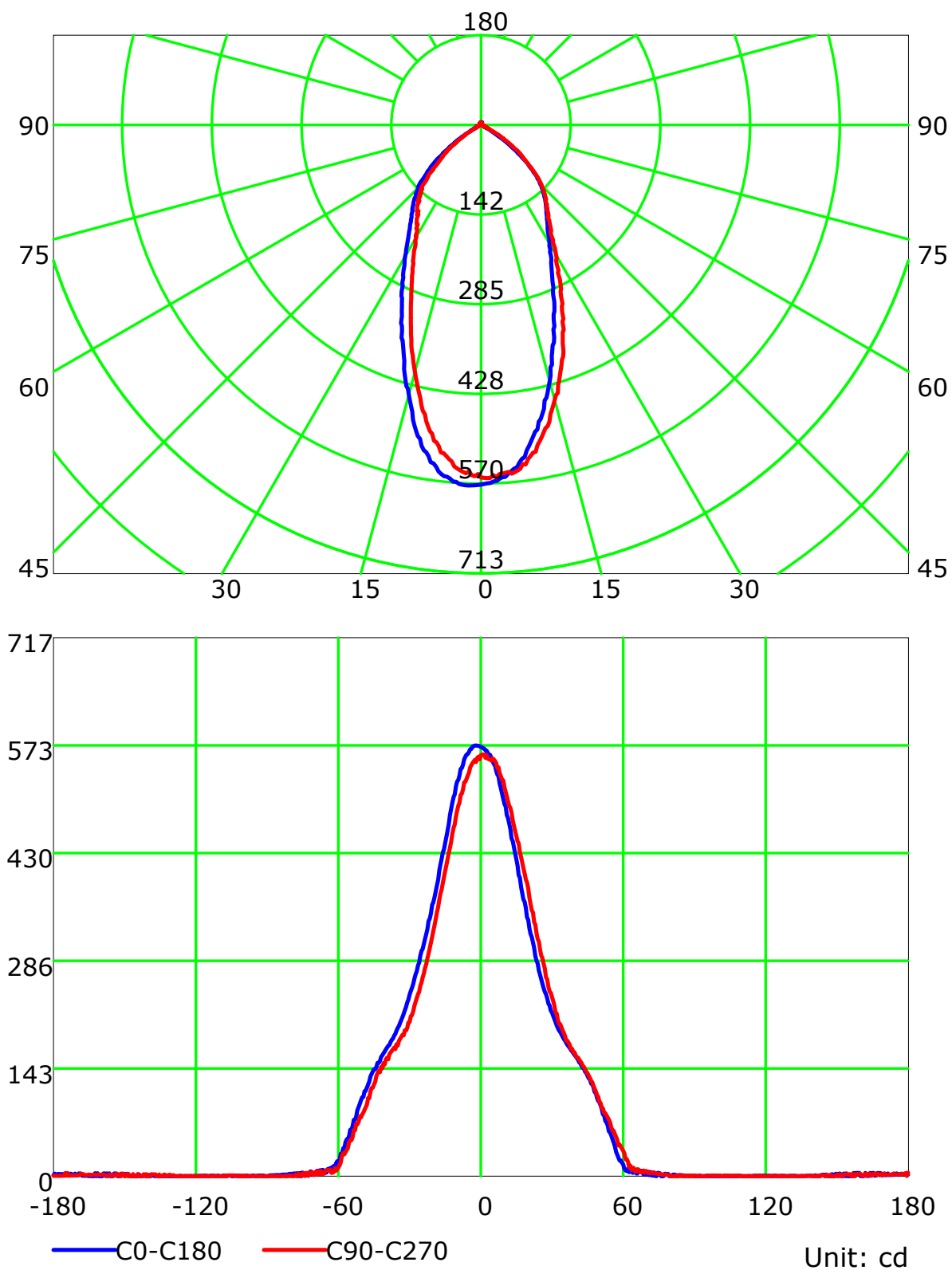
Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

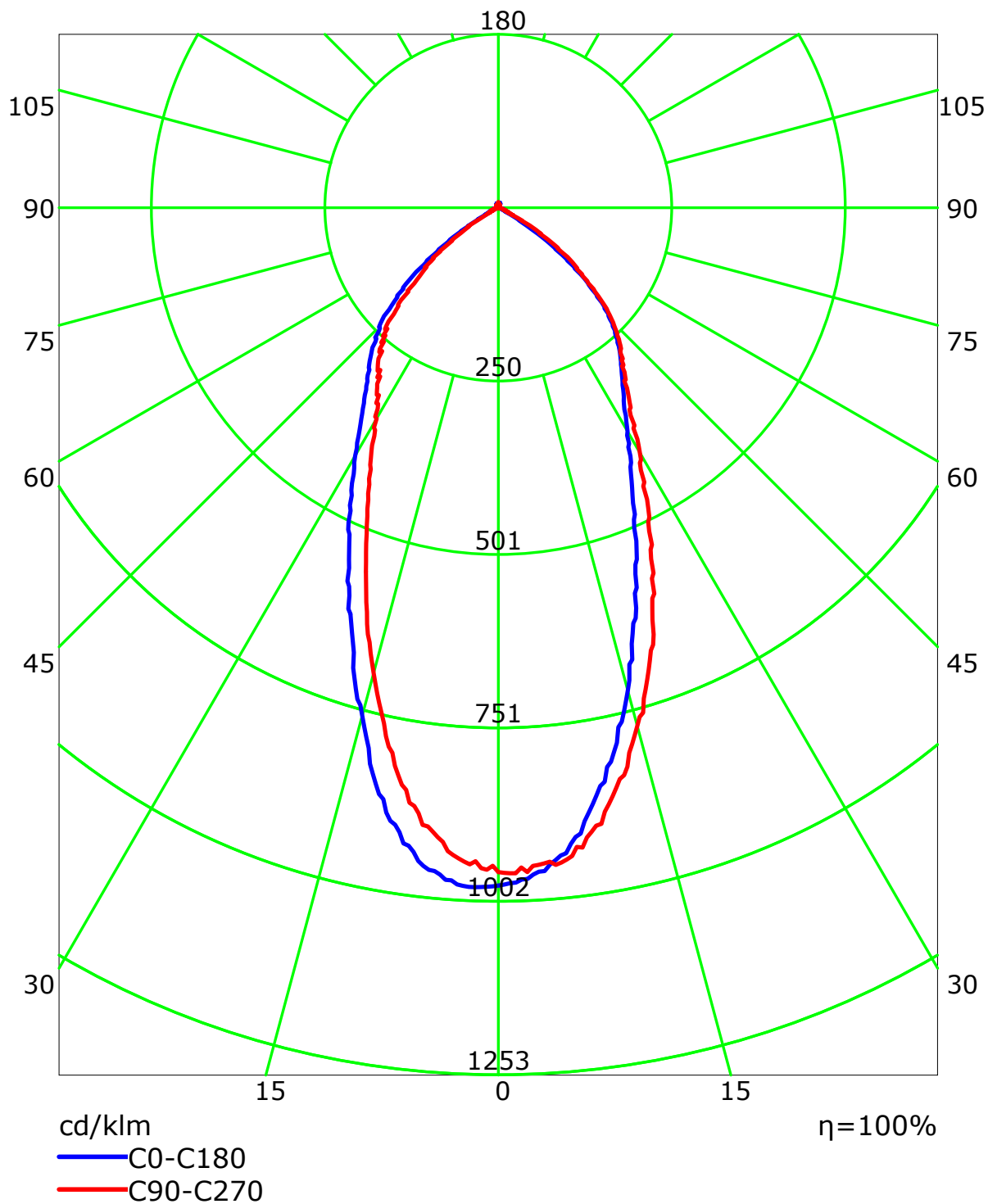
## Luminous Intensity Distribution Curve



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)



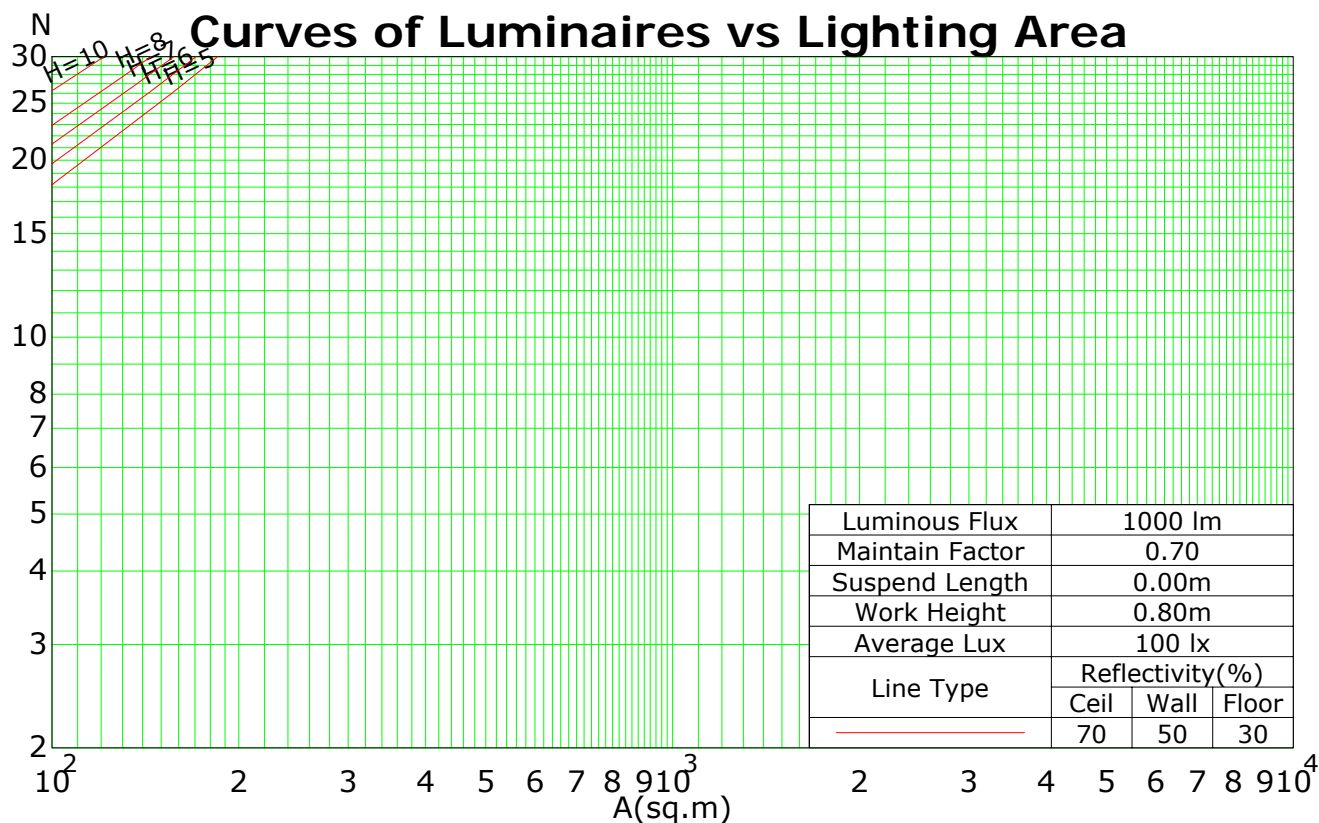
C Plane (°):0.0-360.0: 45.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	95	94	93	91
2	105	100	95	91	103	98	94	90	94	91	88	91	88	86	88	86	84	82
3	99	91	85	81	97	90	84	80	87	82	79	84	80	77	82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	70	66	63	61
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	57	56
7	77	66	59	54	75	65	59	54	64	58	54	62	57	53	61	57	53	51
8	72	61	55	50	71	61	54	50	60	54	49	58	53	49	57	52	49	47
9	68	57	51	46	67	57	50	46	56	50	46	55	49	46	54	49	45	44
10	65	54	47	43	64	53	47	43	52	47	43	52	46	42	51	46	42	41

Spacing Criteria (0-180): 0.74  
Spacing Criteria (90-270): 0.76  
Spacing Criteria (Diagonal): 0.82



C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

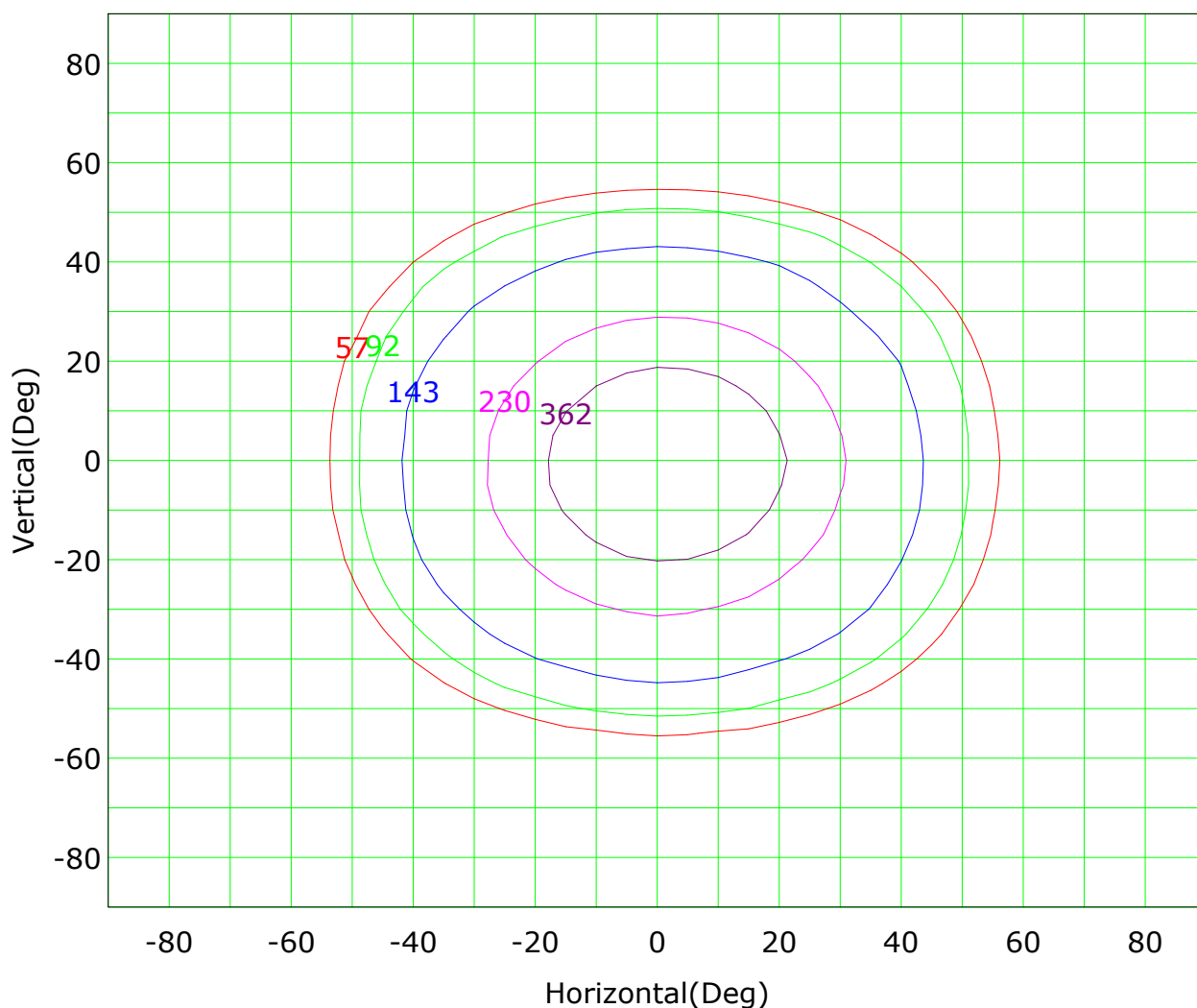
Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

## Isocandela (rectangle)



Imax (100%): 574 cd

( 10%): 57 cd	( 16%): 92 cd
( 25%): 143 cd	( 40%): 230 cd
( 63%): 362 cd	(100%): 574 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

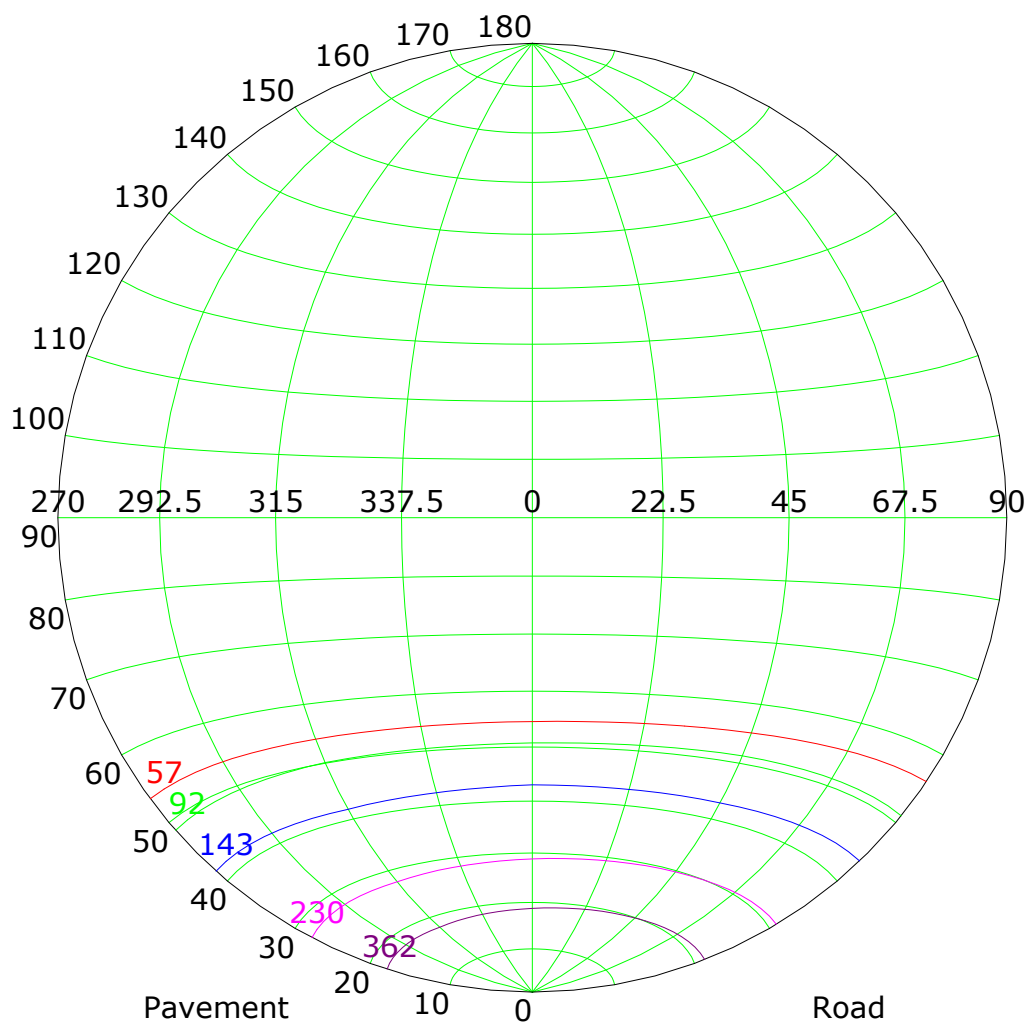
Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

## Isocandela (sphere)



Imax (100%): 574 cd

( 10%): 57 cd	( 16%): 92 cd
( 25%): 143 cd	( 40%): 230 cd
( 63%): 362 cd	(100%): 574 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

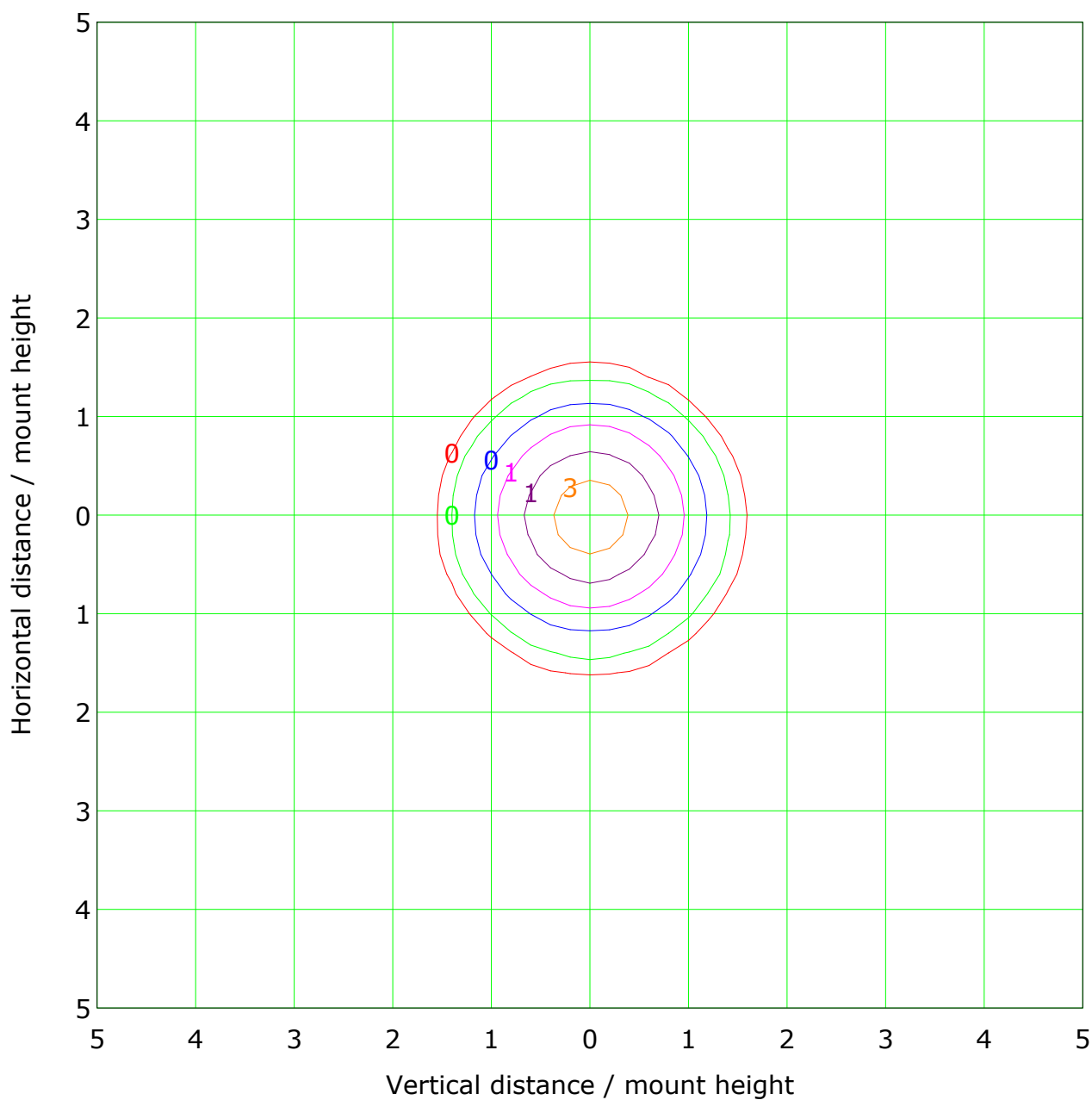
Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10.0m    Max Lux(100%): 5.7 lx

— ( 1%): 0.1 lx	— ( 2%): 0.1 lx
— ( 5%): 0.3 lx	— (10%): 0.6 lx
— (20%): 1.1 lx	— (50%): 2.9 lx
— (100%): 5.7 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

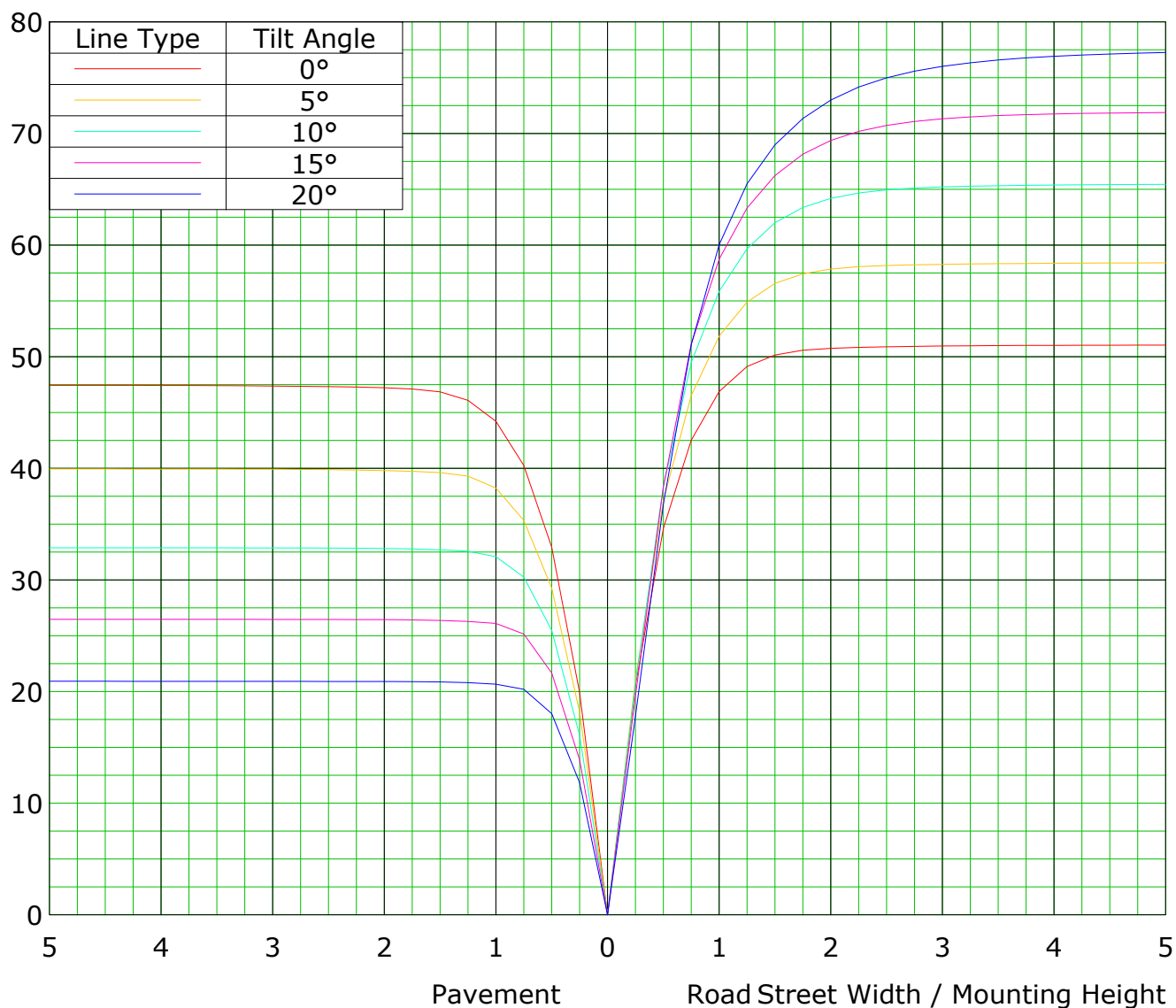
Distance: 8.177 m

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

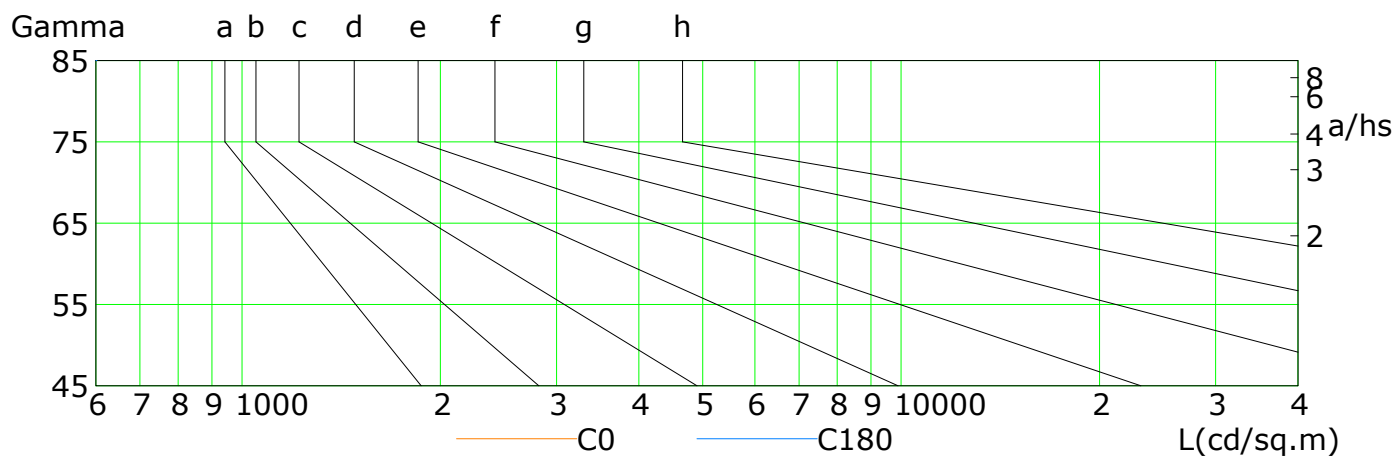
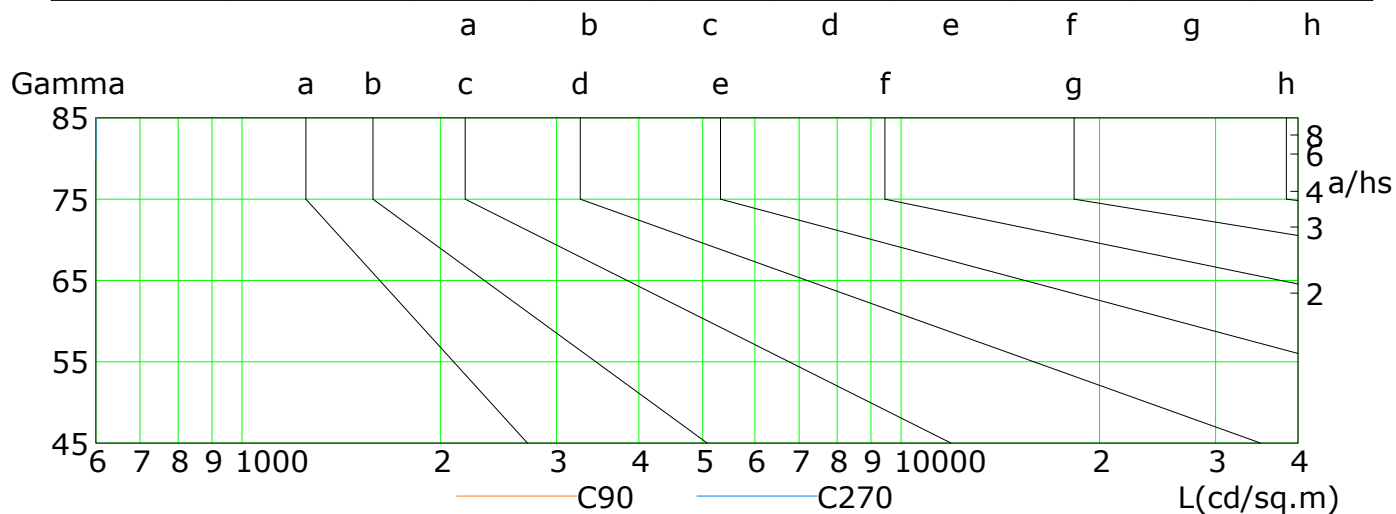
Humidity:

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	133	99	54	16	8	2	4	0	1
C90	137	99	65	34	6	7	3	0	0
C180	142	105	62	19	5	3	5	3	0
C270	122	82	48	11	8	2	4	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

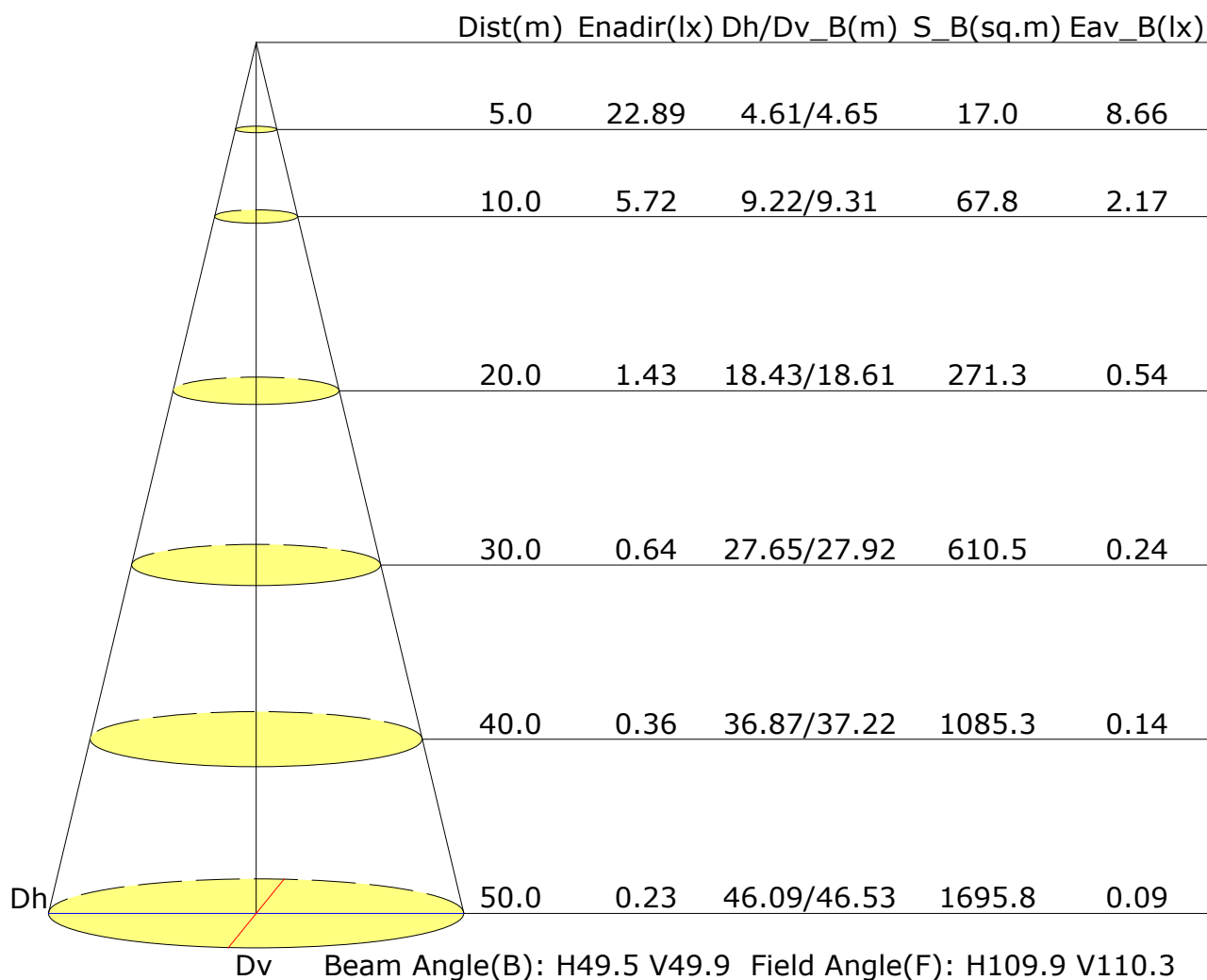
Test Device: GPM-1600

Distance: 8.177 m

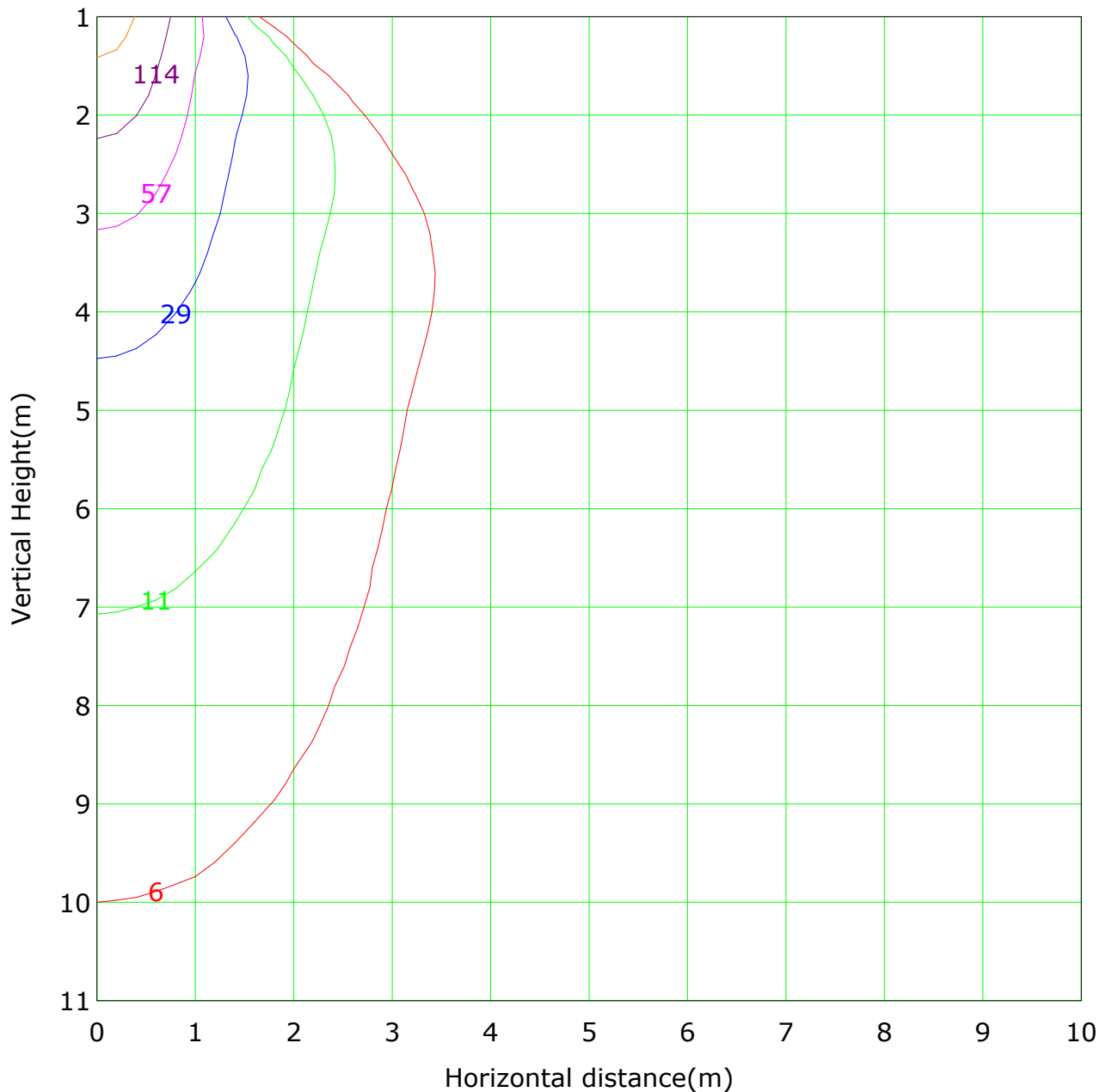
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



Lowest(m): 1.0m    Highest(m): 11.0m    Max Lux: 572.2 lx

— ( 1%): 5.7 lx	— ( 2%): 11.4 lx
— ( 5%): 28.6 lx	— (10%): 57.2 lx
— (20%): 114.4 lx	— (50%): 286.1 lx
— (100%): 572.2 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:

## Area Flux Table

Unit: lx

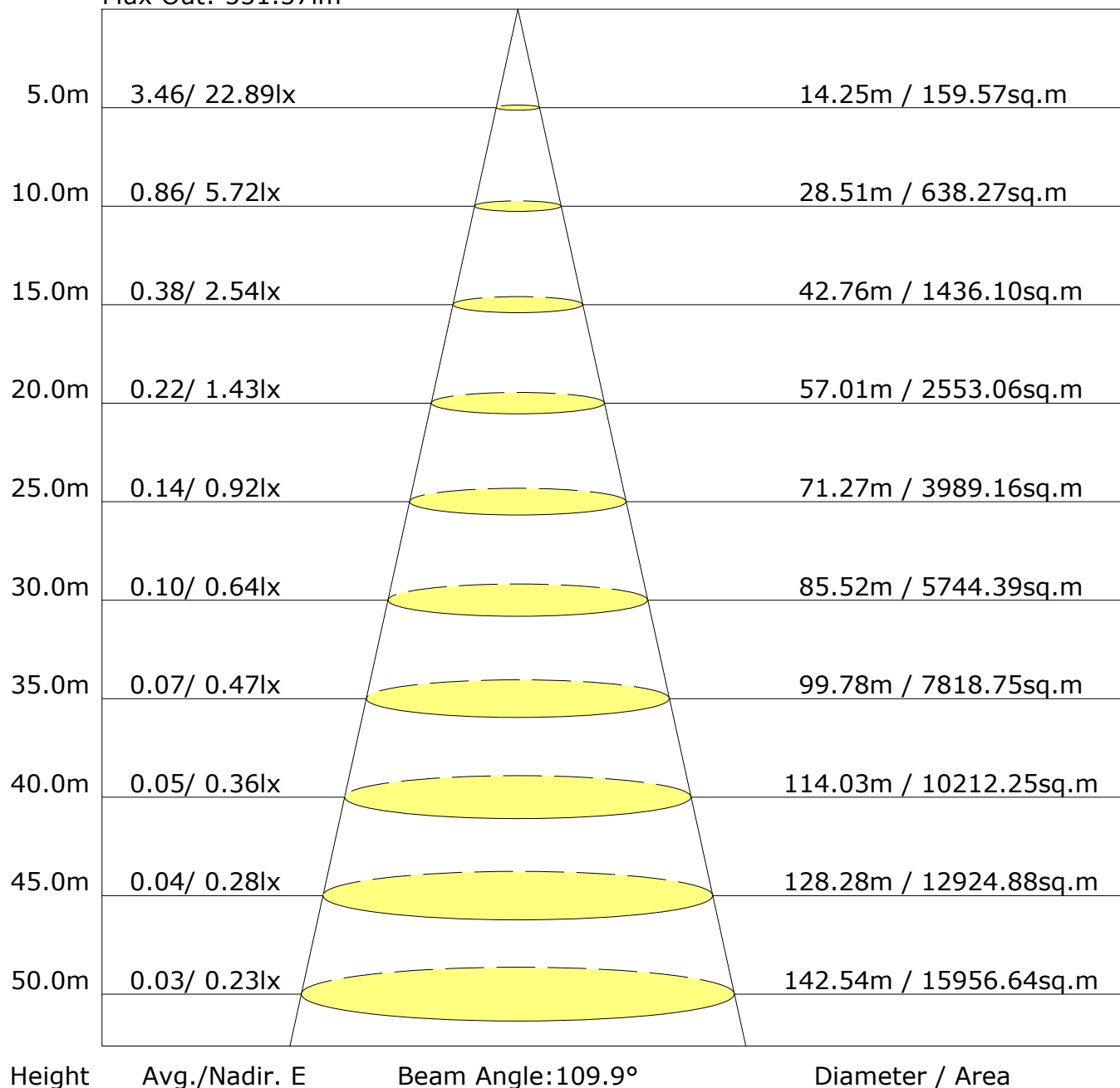
Vertical plane	Horizontal plane																
	90.0	80.0	70.0	60.0	50.0	40.0	30.0	20.0	10.0	0.0	-10.0	-20.0	-30.0	-40.0	-50.0	-60.0	-70.0
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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:

## The Average Illuminance Effective Figure

Flux Out: 551.57lm



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**

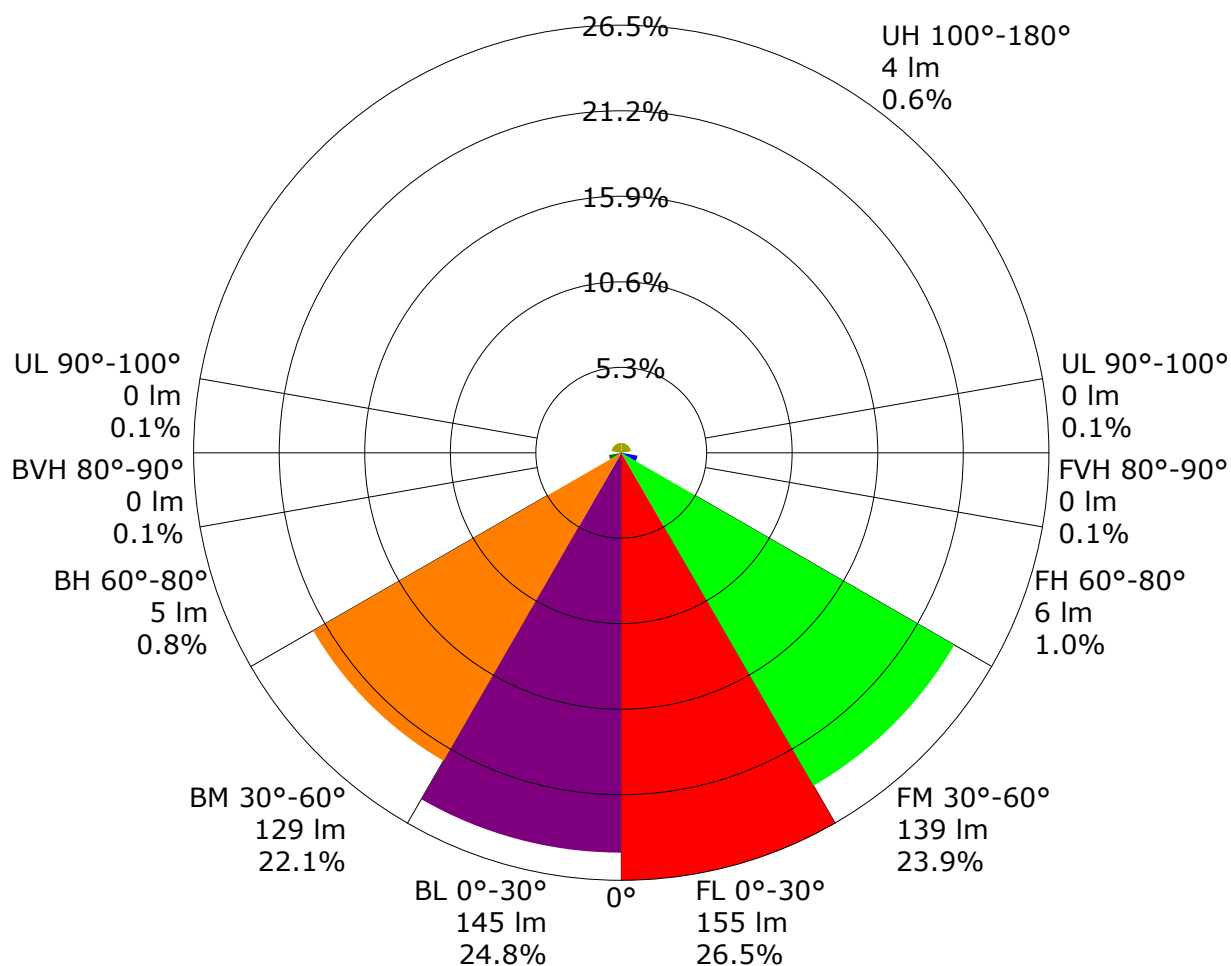
	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	301	51.5
	FL ( 0°-30°)	155	26.5
	FM (30°-60°)	139	23.9
	FH (60°-80°)	6	1.0
	FVH (80°-90°)	0	0.1
	BACK LIGHT	279	47.8
	BL ( 0°-30°)	145	24.8
	BM (30°-60°)	129	22.1
	BH (60°-80°)	5	0.8
	BVH (80°-90°)	0	0.1
	UP LIGHT	4	0.7
	UL (90°-100°)	0	0.1
	UH (100°-180°)	4	0.6
	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



**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	0.72	0.81	0.87	0.92	0.97	1.01	1.04	1.07	1.09	
	0.30		0.66	0.76	0.82	0.87	0.93	0.97	1.00	1.04	1.06	
	0.20		0.62	0.71	0.78	0.83	0.89	0.94	0.97	1.01	1.04	
0.50	0.50	0.20	0.71	0.79	0.85	0.89	0.94	0.98	1.00	1.03	1.04	
	0.30		0.65	0.74	0.80	0.85	0.91	0.94	0.97	1.00	1.02	
	0.20		0.61	0.71	0.77	0.81	0.88	0.92	0.95	0.98	1.01	
0.30	0.50	0.20	0.69	0.78	0.83	0.87	0.92	0.94	0.96	0.99	1.01	
	0.30		0.64	0.73	0.79	0.83	0.88	0.92	0.94	0.97	0.99	
	0.20		0.61	0.70	0.76	0.80	0.86	0.90	0.92	0.96	0.98	
0.00	0.00	0.00	0.59	0.68	0.73	0.77	0.83	0.86	0.88	0.91	0.93	
<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	0.77	0.62	0.51	0.44	0.34	0.28	0.24	0.18	0.15	
	0.30		0.64	0.53	0.45	0.39	0.31	0.26	0.22	0.17	0.14	
	0.20		0.55	0.46	0.40	0.35	0.28	0.24	0.20	0.16	0.13	
0.50	0.50	0.20	0.74	0.59	0.49	0.42	0.32	0.30	0.22	0.17	0.14	
	0.30		0.63	0.51	0.43	0.37	0.29	0.24	0.21	0.16	0.13	
	0.20		0.54	0.45	0.38	0.34	0.27	0.23	0.20	0.15	0.13	
0.30	0.50	0.20	0.71	0.56	0.46	0.39	0.30	0.25	0.21	0.16	0.13	
	0.30		0.61	0.49	0.41	0.36	0.28	0.23	0.20	0.15	0.12	
	0.20		0.53	0.44	0.37	0.33	0.26	0.22	0.18	0.14	0.12	
0.00	0.00	0.00	0.41	0.33	0.27	0.23	0.18	0.14	0.12	0.09	0.07	
<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 = 0.75									
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	0.15	0.16	0.17	0.18	0.19	0.20	0.21	0.21	0.22	
	0.30		0.10	0.12	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	0.17	0.18	
0.50	0.50	0.20	0.15	0.16	0.17	0.17	0.19	0.19	0.20	0.20	0.21	
	0.30		0.10	0.11	0.13	0.14	0.15	0.16	0.17	0.19	0.19	
	0.20		0.06	0.08	0.09	0.11	0.13	0.14	0.15	0.17	0.18	
0.30	0.50	0.20	0.14	0.15	0.16	0.17	0.18	0.18	0.19	0.20	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	0.09	0.11	0.12	0.14	0.15	0.16	0.17	
0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
<p>Rating: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>												

## 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	563.4	0.1	0.1	0.02	0.02
0.5-1.0	562.7	0.4	0.5	0.07	0.09
1.0-1.5	562.3	0.7	1.2	0.12	0.21
1.5-2.0	561.8	0.9	2.2	0.16	0.37
2.0-2.5	560.9	1.2	3.4	0.21	0.58
2.5-3.0	559.8	1.5	4.8	0.25	0.83
3.0-3.5	558.3	1.7	6.6	0.30	1.12
3.5-4.0	556.9	2.0	8.6	0.34	1.47
4.0-4.5	555.1	2.3	10.8	0.39	1.85
4.5-5.0	552.6	2.5	13.3	0.43	2.28
5.0-5.5	549.8	2.8	16.1	0.47	2.75
5.5-6.0	546.9	3.0	19.1	0.51	3.27
6.0-6.5	543.5	3.2	22.3	0.56	3.82
6.5-7.0	539.9	3.5	25.8	0.60	4.42
7.0-7.5	536.4	3.7	29.5	0.64	5.05
7.5-8.0	531.1	3.9	33.5	0.67	5.73
8.0-8.5	525.8	4.1	37.6	0.71	6.44
8.5-9.0	520.4	4.3	41.9	0.74	7.18
9.0-9.5	514.5	4.5	46.5	0.78	7.95
9.5-10.0	509.0	4.7	51.2	0.81	8.76
10.0-10.5	502.9	4.9	56.1	0.84	9.60
10.5-11.0	495.6	5.1	61.2	0.87	10.47
11.0-11.5	488.8	5.2	66.4	0.90	11.37
11.5-12.0	481.4	5.4	71.8	0.92	12.29
12.0-12.5	473.7	5.5	77.3	0.94	13.23
12.5-13.0	467.0	5.7	82.9	0.97	14.20
13.0-13.5	459.0	5.8	88.7	0.99	15.18
13.5-14.0	450.6	5.9	94.6	1.01	16.19
14.0-14.5	443.0	6.0	100.6	1.02	17.21
14.5-15.0	435.3	6.1	106.6	1.04	18.25
15.0-15.5	427.2	6.2	112.8	1.05	19.31
15.5-16.0	419.8	6.2	119.0	1.07	20.38
16.0-16.5	412.3	6.3	125.4	1.08	21.46
16.5-17.0	403.9	6.4	131.7	1.09	22.55
17.0-17.5	395.5	6.4	138.2	1.10	23.65
17.5-18.0	387.0	6.5	144.6	1.11	24.76

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	379.3	6.5	151.2	1.11	25.88
18.5-19.0	371.8	6.6	157.7	1.12	27.00
19.0-19.5	363.8	6.6	164.3	1.13	28.12
19.5-20.0	356.4	6.6	170.9	1.13	29.26
20.0-20.5	348.5	6.6	177.5	1.13	30.39
20.5-21.0	340.2	6.6	184.1	1.13	31.52
21.0-21.5	333.1	6.6	190.7	1.13	32.65
21.5-22.0	326.3	6.6	197.4	1.13	33.79
22.0-22.5	318.7	6.6	204.0	1.13	34.92
22.5-23.0	311.1	6.6	210.6	1.13	36.05
23.0-23.5	303.4	6.6	217.1	1.12	37.17
23.5-24.0	296.8	6.6	223.7	1.12	38.29
24.0-24.5	290.9	6.6	230.3	1.12	39.42
24.5-25.0	284.6	6.5	236.8	1.12	40.53
25.0-25.5	277.9	6.5	243.3	1.11	41.65
25.5-26.0	271.4	6.5	249.8	1.11	42.75
26.0-26.5	265.3	6.4	256.2	1.10	43.86
26.5-27.0	259.4	6.4	262.6	1.10	44.95
27.0-27.5	253.5	6.4	269.0	1.09	46.04
27.5-28.0	247.9	6.3	275.3	1.08	47.12
28.0-28.5	242.1	6.3	281.6	1.08	48.20
28.5-29.0	236.4	6.2	287.8	1.07	49.27
29.0-29.5	231.6	6.2	294.0	1.06	50.33
29.5-30.0	227.2	6.2	300.2	1.06	51.39
30.0-30.5	222.6	6.1	306.3	1.05	52.44
30.5-31.0	217.6	6.1	312.4	1.04	53.48
31.0-31.5	212.7	6.0	318.5	1.04	54.52
31.5-32.0	208.4	6.0	324.5	1.03	55.55
32.0-32.5	204.5	6.0	330.5	1.02	56.57
32.5-33.0	200.4	5.9	336.4	1.02	57.59
33.0-33.5	196.8	5.9	342.3	1.01	58.60
33.5-34.0	193.7	5.9	348.2	1.01	59.61
34.0-34.5	190.5	5.9	354.1	1.01	60.62
34.5-35.0	187.4	5.9	360.0	1.00	61.62
35.0-35.5	184.3	5.8	365.8	1.00	62.62
35.5-36.0	181.0	5.8	371.6	0.99	63.61

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	178.0	5.8	377.4	0.99	64.60
36.5-37.0	175.8	5.8	383.1	0.99	65.59
37.0-37.5	173.7	5.8	388.9	0.99	66.58
37.5-38.0	171.1	5.7	394.7	0.98	67.56
38.0-38.5	168.1	5.7	400.4	0.98	68.54
38.5-39.0	165.7	5.7	406.0	0.97	69.51
39.0-39.5	163.7	5.7	411.7	0.97	70.48
39.5-40.0	161.9	5.7	417.4	0.97	71.45
40.0-40.5	159.2	5.6	423.0	0.97	72.42
40.5-41.0	156.4	5.6	428.6	0.96	73.38
41.0-41.5	154.0	5.6	434.2	0.95	74.33
41.5-42.0	151.4	5.5	439.7	0.95	75.28
42.0-42.5	148.9	5.5	445.2	0.94	76.21
42.5-43.0	146.2	5.4	450.7	0.93	77.15
43.0-43.5	144.0	5.4	456.1	0.93	78.07
43.5-44.0	141.2	5.4	461.4	0.92	78.99
44.0-44.5	137.7	5.3	466.7	0.90	79.89
44.5-45.0	134.2	5.2	471.9	0.89	80.78
45.0-45.5	131.2	5.1	477.0	0.87	81.65
45.5-46.0	128.9	5.1	482.0	0.87	82.52
46.0-46.5	125.8	5.0	487.0	0.85	83.37
46.5-47.0	121.8	4.9	491.9	0.83	84.21
47.0-47.5	118.2	4.8	496.7	0.81	85.02
47.5-48.0	114.2	4.6	501.3	0.79	85.81
48.0-48.5	109.9	4.5	505.8	0.77	86.58
48.5-49.0	106.4	4.4	510.2	0.75	87.33
49.0-49.5	102.5	4.3	514.4	0.73	88.06
49.5-50.0	98.9	4.1	518.6	0.71	88.77
50.0-50.5	95.3	4.0	522.6	0.69	89.46
50.5-51.0	91.0	3.9	526.4	0.66	90.12
51.0-51.5	87.1	3.7	530.2	0.64	90.76
51.5-52.0	83.2	3.6	533.8	0.61	91.37
52.0-52.5	79.1	3.4	537.2	0.59	91.96
52.5-53.0	74.7	3.3	540.4	0.56	92.52
53.0-53.5	70.9	3.1	543.6	0.53	93.05
53.5-54.0	66.6	2.9	546.5	0.50	93.55

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	61.8	2.8	549.3	0.47	94.02
54.5-55.0	57.8	2.6	551.8	0.44	94.47
55.0-55.5	53.8	2.4	554.3	0.41	94.88
55.5-56.0	49.5	2.2	556.5	0.38	95.27
56.0-56.5	45.8	2.1	558.6	0.36	95.62
56.5-57.0	42.0	1.9	560.5	0.33	95.95
57.0-57.5	38.0	1.8	562.3	0.30	96.25
57.5-58.0	34.2	1.6	563.9	0.27	96.53
58.0-58.5	30.5	1.4	565.3	0.24	96.77
58.5-59.0	27.5	1.3	566.6	0.22	96.99
59.0-59.5	24.4	1.2	567.7	0.20	97.19
59.5-60.0	21.1	1.0	568.7	0.17	97.36
60.0-60.5	18.6	0.9	569.6	0.15	97.51
60.5-61.0	15.9	0.8	570.4	0.13	97.64
61.0-61.5	13.6	0.7	571.0	0.11	97.75
61.5-62.0	12.3	0.6	571.6	0.10	97.85
62.0-62.5	10.3	0.5	572.1	0.09	97.94
62.5-63.0	8.9	0.4	572.5	0.07	98.01
63.0-63.5	8.6	0.4	573.0	0.07	98.08
63.5-64.0	8.2	0.4	573.4	0.07	98.15
64.0-64.5	8.2	0.4	573.8	0.07	98.22
64.5-65.0	7.4	0.4	574.1	0.06	98.29
65.0-65.5	6.3	0.3	574.5	0.05	98.34
65.5-66.0	5.8	0.3	574.8	0.05	98.39
66.0-66.5	6.2	0.3	575.1	0.05	98.44
66.5-67.0	6.0	0.3	575.4	0.05	98.49
67.0-67.5	5.8	0.3	575.7	0.05	98.54
67.5-68.0	6.1	0.3	576.0	0.05	98.60
68.0-68.5	5.3	0.3	576.2	0.05	98.64
68.5-69.0	4.6	0.2	576.5	0.04	98.68
69.0-69.5	4.3	0.2	576.7	0.04	98.72
69.5-70.0	3.9	0.2	576.9	0.03	98.75
70.0-70.5	3.5	0.2	577.1	0.03	98.79
70.5-71.0	3.3	0.2	577.2	0.03	98.81
71.0-71.5	4.2	0.2	577.5	0.04	98.85
71.5-72.0	4.1	0.2	577.7	0.04	98.89

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	3.0	0.2	577.8	0.03	98.92
72.5-73.0	2.8	0.1	578.0	0.02	98.94
73.0-73.5	2.7	0.1	578.1	0.02	98.97
73.5-74.0	2.3	0.1	578.2	0.02	98.99
74.0-74.5	2.5	0.1	578.4	0.02	99.01
74.5-75.0	3.2	0.2	578.5	0.03	99.04
75.0-75.5	2.9	0.2	578.7	0.03	99.06
75.5-76.0	2.2	0.1	578.8	0.02	99.08
76.0-76.5	2.3	0.1	578.9	0.02	99.11
76.5-77.0	2.4	0.1	579.1	0.02	99.13
77.0-77.5	2.0	0.1	579.2	0.02	99.15
77.5-78.0	1.7	0.1	579.3	0.02	99.16
78.0-78.5	1.5	0.1	579.3	0.01	99.18
78.5-79.0	1.5	0.1	579.4	0.01	99.19
79.0-79.5	1.2	0.1	579.5	0.01	99.20
79.5-80.0	0.9	0.1	579.5	0.01	99.21
80.0-80.5	0.9	0.0	579.6	0.01	99.22
80.5-81.0	1.0	0.1	579.6	0.01	99.23
81.0-81.5	1.0	0.1	579.7	0.01	99.24
81.5-82.0	0.9	0.1	579.8	0.01	99.25
82.0-82.5	0.7	0.0	579.8	0.01	99.25
82.5-83.0	0.4	0.0	579.8	0.00	99.26
83.0-83.5	0.5	0.0	579.8	0.00	99.26
83.5-84.0	0.6	0.0	579.9	0.01	99.27
84.0-84.5	0.7	0.0	579.9	0.01	99.27
84.5-85.0	0.6	0.0	579.9	0.01	99.28
85.0-85.5	0.4	0.0	580.0	0.00	99.28
85.5-86.0	0.6	0.0	580.0	0.01	99.29
86.0-86.5	0.6	0.0	580.0	0.01	99.29
86.5-87.0	0.4	0.0	580.1	0.00	99.30
87.0-87.5	0.5	0.0	580.1	0.00	99.30
87.5-88.0	0.5	0.0	580.1	0.00	99.31
88.0-88.5	0.4	0.0	580.1	0.00	99.31
88.5-89.0	0.4	0.0	580.2	0.00	99.31
89.0-89.5	0.3	0.0	580.2	0.00	99.32
89.5-90.0	0.1	0.0	580.2	0.00	99.32

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	580.2	0.00	99.32
90.5-91.0	0.2	0.0	580.2	0.00	99.32
91.0-91.5	0.2	0.0	580.2	0.00	99.32
91.5-92.0	0.3	0.0	580.2	0.00	99.33
92.0-92.5	0.3	0.0	580.2	0.00	99.33
92.5-93.0	0.3	0.0	580.3	0.00	99.33
93.0-93.5	0.2	0.0	580.3	0.00	99.33
93.5-94.0	0.3	0.0	580.3	0.00	99.34
94.0-94.5	0.3	0.0	580.3	0.00	99.34
94.5-95.0	0.3	0.0	580.3	0.00	99.34
95.0-95.5	0.3	0.0	580.3	0.00	99.34
95.5-96.0	0.3	0.0	580.3	0.00	99.35
96.0-96.5	0.5	0.0	580.4	0.00	99.35
96.5-97.0	0.4	0.0	580.4	0.00	99.35
97.0-97.5	0.3	0.0	580.4	0.00	99.36
97.5-98.0	0.5	0.0	580.4	0.00	99.36
98.0-98.5	0.4	0.0	580.4	0.00	99.37
98.5-99.0	0.4	0.0	580.5	0.00	99.37
99.0-99.5	0.4	0.0	580.5	0.00	99.37
99.5-100.0	0.3	0.0	580.5	0.00	99.38
100.0-100.5	0.4	0.0	580.5	0.00	99.38
100.5-101.0	0.5	0.0	580.6	0.00	99.38
101.0-101.5	0.4	0.0	580.6	0.00	99.39
101.5-102.0	0.3	0.0	580.6	0.00	99.39
102.0-102.5	0.3	0.0	580.6	0.00	99.39
102.5-103.0	0.4	0.0	580.6	0.00	99.40
103.0-103.5	0.4	0.0	580.7	0.00	99.40
103.5-104.0	0.2	0.0	580.7	0.00	99.40
104.0-104.5	0.2	0.0	580.7	0.00	99.41
104.5-105.0	0.3	0.0	580.7	0.00	99.41
105.0-105.5	0.4	0.0	580.7	0.00	99.41
105.5-106.0	0.4	0.0	580.7	0.00	99.42
106.0-106.5	0.4	0.0	580.8	0.00	99.42
106.5-107.0	0.4	0.0	580.8	0.00	99.42
107.0-107.5	0.3	0.0	580.8	0.00	99.43
107.5-108.0	0.2	0.0	580.8	0.00	99.43

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	0.3	0.0	580.8	0.00	99.43
108.5-109.0	0.4	0.0	580.8	0.00	99.43
109.0-109.5	0.3	0.0	580.9	0.00	99.44
109.5-110.0	0.3	0.0	580.9	0.00	99.44
110.0-110.5	0.2	0.0	580.9	0.00	99.44
110.5-111.0	0.1	0.0	580.9	0.00	99.44
111.0-111.5	0.1	0.0	580.9	0.00	99.44
111.5-112.0	0.1	0.0	580.9	0.00	99.44
112.0-112.5	0.2	0.0	580.9	0.00	99.44
112.5-113.0	0.2	0.0	580.9	0.00	99.45
113.0-113.5	0.2	0.0	580.9	0.00	99.45
113.5-114.0	0.1	0.0	580.9	0.00	99.45
114.0-114.5	0.1	0.0	580.9	0.00	99.45
114.5-115.0	0.1	0.0	580.9	0.00	99.45
115.0-115.5	0.2	0.0	581.0	0.00	99.45
115.5-116.0	0.2	0.0	581.0	0.00	99.45
116.0-116.5	0.2	0.0	581.0	0.00	99.45
116.5-117.0	0.3	0.0	581.0	0.00	99.46
117.0-117.5	0.2	0.0	581.0	0.00	99.46
117.5-118.0	0.2	0.0	581.0	0.00	99.46
118.0-118.5	0.3	0.0	581.0	0.00	99.46
118.5-119.0	0.3	0.0	581.0	0.00	99.46
119.0-119.5	0.3	0.0	581.0	0.00	99.47
119.5-120.0	0.2	0.0	581.1	0.00	99.47
120.0-120.5	0.3	0.0	581.1	0.00	99.47
120.5-121.0	0.3	0.0	581.1	0.00	99.47
121.0-121.5	0.3	0.0	581.1	0.00	99.48
121.5-122.0	0.4	0.0	581.1	0.00	99.48
122.0-122.5	0.3	0.0	581.1	0.00	99.48
122.5-123.0	0.4	0.0	581.1	0.00	99.48
123.0-123.5	0.5	0.0	581.2	0.00	99.49
123.5-124.0	0.4	0.0	581.2	0.00	99.49
124.0-124.5	0.4	0.0	581.2	0.00	99.49
124.5-125.0	0.4	0.0	581.2	0.00	99.50
125.0-125.5	0.3	0.0	581.2	0.00	99.50
125.5-126.0	0.3	0.0	581.3	0.00	99.50

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	0.4	0.0	581.3	0.00	99.51
126.5-127.0	0.5	0.0	581.3	0.00	99.51
127.0-127.5	0.5	0.0	581.3	0.00	99.51
127.5-128.0	0.5	0.0	581.3	0.00	99.52
128.0-128.5	0.5	0.0	581.4	0.00	99.52
128.5-129.0	0.5	0.0	581.4	0.00	99.52
129.0-129.5	0.5	0.0	581.4	0.00	99.53
129.5-130.0	0.5	0.0	581.4	0.00	99.53
130.0-130.5	0.7	0.0	581.4	0.00	99.54
130.5-131.0	0.8	0.0	581.5	0.01	99.54
131.0-131.5	0.7	0.0	581.5	0.00	99.55
131.5-132.0	0.6	0.0	581.5	0.00	99.55
132.0-132.5	0.4	0.0	581.5	0.00	99.55
132.5-133.0	0.5	0.0	581.6	0.00	99.56
133.0-133.5	0.5	0.0	581.6	0.00	99.56
133.5-134.0	0.6	0.0	581.6	0.00	99.56
134.0-134.5	0.6	0.0	581.6	0.00	99.57
134.5-135.0	0.6	0.0	581.7	0.00	99.57
135.0-135.5	0.8	0.0	581.7	0.01	99.58
135.5-136.0	0.7	0.0	581.7	0.00	99.58
136.0-136.5	0.7	0.0	581.7	0.00	99.59
136.5-137.0	0.8	0.0	581.8	0.01	99.59
137.0-137.5	1.1	0.0	581.8	0.01	99.60
137.5-138.0	1.0	0.0	581.9	0.01	99.60
138.0-138.5	0.9	0.0	581.9	0.01	99.61
138.5-139.0	0.7	0.0	581.9	0.00	99.61
139.0-139.5	0.5	0.0	581.9	0.00	99.62
139.5-140.0	0.8	0.0	582.0	0.01	99.62
140.0-140.5	0.8	0.0	582.0	0.01	99.63
140.5-141.0	0.8	0.0	582.0	0.00	99.63
141.0-141.5	1.0	0.0	582.0	0.01	99.64
141.5-142.0	0.9	0.0	582.1	0.01	99.64
142.0-142.5	0.6	0.0	582.1	0.00	99.65
142.5-143.0	0.3	0.0	582.1	0.00	99.65
143.0-143.5	0.5	0.0	582.1	0.00	99.65
143.5-144.0	0.8	0.0	582.2	0.00	99.66

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	1.2	0.0	582.2	0.01	99.66
144.5-145.0	1.1	0.0	582.2	0.01	99.67
145.0-145.5	0.8	0.0	582.3	0.00	99.67
145.5-146.0	0.6	0.0	582.3	0.00	99.68
146.0-146.5	0.7	0.0	582.3	0.00	99.68
146.5-147.0	0.7	0.0	582.3	0.00	99.68
147.0-147.5	0.5	0.0	582.3	0.00	99.69
147.5-148.0	0.8	0.0	582.3	0.00	99.69
148.0-148.5	1.0	0.0	582.4	0.00	99.70
148.5-149.0	1.2	0.0	582.4	0.01	99.70
149.0-149.5	1.4	0.0	582.4	0.01	99.71
149.5-150.0	1.3	0.0	582.5	0.01	99.71
150.0-150.5	1.4	0.0	582.5	0.01	99.72
150.5-151.0	2.0	0.1	582.6	0.01	99.73
151.0-151.5	2.3	0.1	582.6	0.01	99.74
151.5-152.0	1.9	0.1	582.7	0.01	99.75
152.0-152.5	1.3	0.0	582.7	0.01	99.75
152.5-153.0	1.5	0.0	582.8	0.01	99.76
153.0-153.5	2.3	0.1	582.8	0.01	99.77
153.5-154.0	2.4	0.1	582.9	0.01	99.78
154.0-154.5	1.9	0.0	582.9	0.01	99.79
154.5-155.0	1.4	0.0	583.0	0.01	99.79
155.0-155.5	1.4	0.0	583.0	0.01	99.80
155.5-156.0	1.1	0.0	583.0	0.00	99.80
156.0-156.5	1.7	0.0	583.0	0.01	99.81
156.5-157.0	2.5	0.1	583.1	0.01	99.82
157.0-157.5	2.1	0.0	583.1	0.01	99.83
157.5-158.0	2.1	0.0	583.2	0.01	99.83
158.0-158.5	2.5	0.1	583.2	0.01	99.84
158.5-159.0	2.6	0.1	583.3	0.01	99.85
159.0-159.5	2.5	0.0	583.3	0.01	99.86
159.5-160.0	1.8	0.0	583.4	0.01	99.87
160.0-160.5	1.4	0.0	583.4	0.00	99.87
160.5-161.0	1.6	0.0	583.4	0.00	99.88
161.0-161.5	1.7	0.0	583.5	0.00	99.88
161.5-162.0	1.9	0.0	583.5	0.01	99.89

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	2.0	0.0	583.5	0.01	99.89
162.5-163.0	1.8	0.0	583.6	0.01	99.90
163.0-163.5	1.8	0.0	583.6	0.00	99.90
163.5-164.0	2.1	0.0	583.6	0.01	99.91
164.0-164.5	1.8	0.0	583.6	0.00	99.91
164.5-165.0	1.8	0.0	583.7	0.00	99.92
165.0-165.5	2.3	0.0	583.7	0.01	99.92
165.5-166.0	2.0	0.0	583.7	0.00	99.93
166.0-166.5	1.9	0.0	583.8	0.00	99.93
166.5-167.0	2.3	0.0	583.8	0.01	99.94
167.0-167.5	2.4	0.0	583.8	0.00	99.94
167.5-168.0	2.5	0.0	583.8	0.00	99.95
168.0-168.5	2.7	0.0	583.9	0.01	99.95
168.5-169.0	2.6	0.0	583.9	0.00	99.96
169.0-169.5	2.3	0.0	583.9	0.00	99.96
169.5-170.0	2.2	0.0	583.9	0.00	99.96
170.0-170.5	2.0	0.0	584.0	0.00	99.97
170.5-171.0	1.9	0.0	584.0	0.00	99.97
171.0-171.5	2.2	0.0	584.0	0.00	99.97
171.5-172.0	2.2	0.0	584.0	0.00	99.98
172.0-172.5	2.1	0.0	584.0	0.00	99.98
172.5-173.0	2.2	0.0	584.0	0.00	99.98
173.0-173.5	2.2	0.0	584.1	0.00	99.98
173.5-174.0	2.5	0.0	584.1	0.00	99.99
174.0-174.5	2.5	0.0	584.1	0.00	99.99
174.5-175.0	2.5	0.0	584.1	0.00	99.99
175.0-175.5	2.7	0.0	584.1	0.00	99.99
175.5-176.0	2.4	0.0	584.1	0.00	99.99
176.0-176.5	2.2	0.0	584.1	0.00	100.00
176.5-177.0	2.4	0.0	584.1	0.00	100.00
177.0-177.5	2.4	0.0	584.1	0.00	100.00
177.5-178.0	2.3	0.0	584.1	0.00	100.00
178.0-178.5	2.5	0.0	584.2	0.00	100.00
178.5-179.0	2.3	0.0	584.2	0.00	100.00
179.0-179.5	1.7	0.0	584.2	0.00	100.00
179.5-180.0	1.6	0.0	584.2	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	572.2	562.8	560.8	559.0	572.2	562.8	560.8	559.0	572.2	
G0.5	571.3	562.9	561.5	559.3	572.9	562.8	555.5	558.6	571.3	
G1.0	570.3	563.0	561.9	555.3	573.3	561.7	559.0	553.8	570.3	
G1.5	569.8	562.8	562.0	555.3	573.7	561.3	557.8	556.3	569.8	
G2.0	567.5	562.7	557.3	559.2	574.0	562.0	552.0	554.6	567.5	
G2.5	567.1	562.4	561.4	555.0	573.9	561.1	554.8	548.9	567.1	
G3.0	563.8	561.6	556.4	554.5	573.3	559.9	552.8	550.4	563.8	
G3.5	561.6	559.7	555.8	558.0	572.3	558.2	550.4	544.1	561.6	
G4.0	561.3	559.0	554.9	557.3	569.2	556.1	547.7	545.5	561.3	
G4.5	556.2	557.2	553.8	552.2	569.2	554.1	544.8	542.5	556.2	
G5.0	553.0	553.6	556.9	554.9	565.1	551.5	537.4	539.5	553.0	
G5.5	549.4	552.3	555.3	553.2	562.5	546.0	533.9	532.4	549.4	
G6.0	547.9	547.7	553.3	547.0	562.0	545.2	529.7	532.5	547.9	
G6.5	540.6	544.4	550.8	544.9	559.2	539.2	525.8	525.2	540.6	
G7.0	535.2	540.7	543.6	546.4	555.5	538.0	524.9	524.2	535.2	
G7.5	532.9	539.2	544.8	543.2	548.5	533.9	515.6	515.3	532.9	
G8.0	523.1	534.8	536.8	539.5	543.9	525.9	510.0	509.5	523.1	
G8.5	516.4	526.9	532.8	531.4	542.5	524.3	507.9	506.9	516.4	
G9.0	509.7	521.5	528.1	531.5	533.8	515.2	497.6	500.5	509.7	
G9.5	502.8	515.7	527.3	526.6	528.2	509.1	493.9	490.1	502.8	
G10.0	495.6	513.1	517.7	520.5	525.5	505.7	486.6	486.0	495.6	
G10.5	492.9	507.1	512.0	510.8	519.2	498.7	479.1	475.8	492.9	
G11.0	481.0	501.2	506.0	508.5	508.7	491.5	468.8	468.3	481.0	
G11.5	477.3	491.4	499.5	502.2	505.1	483.6	464.3	463.1	477.3	
G12.0	469.6	485.2	493.1	491.3	497.6	471.5	456.2	451.9	469.6	
G12.5	462.6	478.8	490.7	485.4	489.7	463.3	445.9	447.0	462.6	
G13.0	450.1	475.9	484.3	482.7	481.7	459.5	438.1	435.7	450.1	
G13.5	446.2	469.1	473.2	471.3	469.0	447.2	430.4	430.0	446.2	
G14.0	438.3	461.9	466.7	463.8	460.7	439.2	422.7	419.9	438.3	
G14.5	430.2	454.4	459.9	456.3	452.4	434.9	414.8	412.0	430.2	
G15.0	422.0	442.5	453.1	448.5	444.0	427.5	406.9	406.0	422.0	
G15.5	414.0	438.7	446.2	440.7	435.8	414.8	398.9	396.2	414.0	
G16.0	401.1	430.5	443.4	432.7	431.6	410.5	391.2	390.1	401.1	
G16.5	397.9	422.4	432.2	424.8	423.5	402.3	382.6	380.4	397.9	
G17.0	385.0	409.4	425.1	416.9	415.5	393.9	376.7	373.8	385.0	
G17.5	376.9	401.1	417.8	412.9	407.4	381.0	368.5	365.7	376.9	
G18.0	368.8	392.7	410.4	405.1	394.8	372.9	358.9	357.8	368.8	

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	365.4	389.3	403.0	398.0	387.1	365.1	351.3	348.2	365.4	
G19.0	357.5	381.0	395.3	385.7	379.5	357.4	342.6	342.0	357.5	
G19.5	345.3	368.4	391.4	381.8	372.1	353.7	334.7	332.7	345.3	
G20.0	341.4	360.4	383.4	374.0	365.0	346.0	326.9	325.7	341.4	
G20.5	330.3	352.6	371.3	362.7	361.5	338.5	319.0	317.9	330.3	
G21.0	322.8	344.9	362.6	359.2	350.8	326.9	311.7	310.0	322.8	
G21.5	319.0	340.6	354.5	351.9	343.6	323.7	304.5	302.7	319.0	
G22.0	311.6	332.9	351.4	340.2	340.0	311.7	296.8	295.9	311.6	
G22.5	304.4	325.4	338.8	333.0	329.3	308.8	290.3	289.0	304.4	
G23.0	293.6	317.9	335.1	325.9	322.8	297.9	283.0	282.2	293.6	
G23.5	287.0	307.0	323.5	318.6	316.1	291.2	277.3	275.6	287.0	
G24.0	283.4	299.8	316.0	315.3	309.5	289.3	270.0	269.4	283.4	
G24.5	274.1	292.8	312.7	308.3	303.0	283.0	265.1	263.4	274.1	
G25.0	268.1	288.7	301.3	301.4	299.9	277.0	257.8	257.6	268.1	
G25.5	262.2	279.0	293.9	294.6	293.7	266.3	253.6	252.1	262.2	
G26.0	256.5	274.3	290.6	287.8	284.6	260.6	245.6	246.8	256.5	
G26.5	250.9	266.0	283.5	277.6	280.7	255.0	242.5	241.4	250.9	
G27.0	245.6	259.9	276.4	274.9	272.7	249.7	237.1	235.6	245.6	
G27.5	242.6	255.8	265.0	264.8	268.9	244.3	232.1	231.0	242.6	
G28.0	237.4	249.3	262.5	259.0	263.3	239.0	227.2	224.7	237.4	
G28.5	230.0	243.4	252.3	252.9	255.8	238.0	219.4	219.9	230.0	
G29.0	227.6	237.7	246.3	247.8	251.0	228.9	214.6	216.7	227.6	
G29.5	220.9	231.5	244.6	242.3	247.0	224.0	213.3	210.6	220.9	
G30.0	218.0	226.5	239.0	240.3	241.8	223.3	205.5	206.2	218.0	
G30.5	213.7	221.7	233.5	230.9	235.4	218.5	204.8	202.3	213.7	
G31.0	209.7	216.2	227.9	225.7	231.6	214.0	197.8	198.6	209.7	
G31.5	205.9	211.3	218.3	220.8	225.8	209.9	194.2	195.0	205.9	
G32.0	200.8	206.5	216.8	219.2	221.0	201.3	194.4	193.6	200.8	
G32.5	197.4	202.1	208.0	214.5	216.6	201.8	187.7	190.5	197.4	
G33.0	194.2	199.1	203.3	210.1	212.3	194.1	188.5	185.6	194.2	
G33.5	192.0	193.9	202.4	206.1	208.1	190.9	185.7	182.7	192.0	
G34.0	189.0	189.8	198.2	202.4	204.4	187.8	183.0	182.2	189.0	
G34.5	186.1	188.6	194.4	195.4	200.3	188.9	180.5	177.1	186.1	
G35.0	182.9	185.5	190.7	195.2	197.4	186.1	174.0	174.8	182.9	
G35.5	180.6	179.8	187.0	188.8	194.1	183.3	175.9	172.1	180.6	
G36.0	178.0	179.4	180.8	185.7	189.9	180.7	169.5	169.8	178.0	
G36.5	175.3	173.8	180.7	182.4	187.5	173.7	171.5	170.2	175.3	

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	172.9	174.4	177.8	182.5	183.6	171.4	169.3	165.3	172.9	
G37.5	170.8	172.0	175.0	179.7	181.8	173.4	167.1	163.0	170.8	
G38.0	168.2	166.2	169.6	176.9	179.1	166.5	164.9	163.5	168.2	
G38.5	166.2	163.8	169.7	174.4	174.8	164.1	162.6	158.1	166.2	
G39.0	164.0	161.6	165.1	172.0	173.9	165.9	155.8	158.9	164.0	
G39.5	161.8	159.3	165.3	169.6	171.4	159.3	158.0	156.6	161.8	
G40.0	159.6	160.9	160.8	167.2	168.9	161.0	155.7	154.3	159.6	
G40.5	157.3	158.5	158.3	162.2	166.2	158.6	148.8	148.6	157.3	
G41.0	155.1	152.0	158.0	162.3	163.8	151.8	150.7	149.5	155.1	
G41.5	151.8	149.6	155.5	157.4	161.3	153.6	143.9	147.1	151.8	
G42.0	150.4	147.2	152.9	155.1	158.8	151.1	145.7	141.4	150.4	
G42.5	146.8	149.0	150.5	154.7	153.7	144.2	138.7	142.1	146.8	
G43.0	144.4	146.5	147.2	150.2	151.0	141.4	140.2	139.5	144.4	
G43.5	143.1	144.0	145.4	147.7	151.1	138.5	137.2	136.7	143.1	
G44.0	138.9	141.4	142.1	145.0	145.5	139.4	133.6	130.1	138.9	
G44.5	137.7	134.1	139.5	144.1	142.6	136.2	125.9	127.1	137.7	
G45.0	133.3	131.3	137.0	141.4	142.5	128.8	122.1	124.1	133.3	
G45.5	130.4	128.4	133.9	138.4	139.5	129.7	118.1	121.0	130.4	
G46.0	129.1	129.6	130.9	135.4	136.4	122.0	117.8	121.5	129.1	
G46.5	123.6	122.1	127.4	130.6	133.0	122.3	113.2	118.2	123.6	
G47.0	122.4	119.1	125.1	129.2	126.0	118.7	103.9	114.9	122.4	
G47.5	118.3	120.0	120.5	124.3	122.1	111.1	104.1	111.5	118.3	
G48.0	112.2	112.8	116.7	120.7	118.0	111.0	95.5	108.0	112.2	
G48.5	110.7	109.4	112.6	117.3	113.9	106.9	91.8	100.4	110.7	
G49.0	104.5	110.3	108.3	115.1	113.2	102.6	88.2	96.7	104.5	
G49.5	100.4	103.1	105.7	110.0	105.6	98.3	84.9	92.9	100.4	
G50.0	98.5	103.2	99.0	107.0	105.0	94.1	81.8	92.7	98.5	
G50.5	94.1	99.7	97.3	101.8	100.9	85.7	78.5	84.8	94.1	
G51.0	89.3	92.6	91.2	97.8	96.5	81.3	79.9	84.3	89.3	
G51.5	82.6	92.2	90.3	93.8	92.2	76.9	72.5	79.9	82.6	
G52.0	81.1	87.8	84.0	89.8	87.9	76.3	69.1	75.6	81.1	
G52.5	73.6	83.5	84.0	85.3	79.5	68.0	69.8	71.1	73.6	
G53.0	71.8	76.8	81.1	81.3	75.3	67.2	61.3	66.5	71.8	
G53.5	67.3	72.2	78.1	76.8	75.1	59.4	61.4	62.2	67.3	
G54.0	59.7	69.9	75.2	72.4	66.7	58.6	52.3	57.7	59.7	
G54.5	58.4	63.3	71.8	68.2	62.3	54.5	48.0	49.8	58.4	
G55.0	53.9	59.0	64.7	63.4	61.9	46.8	48.3	50.1	53.9	

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 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	49.4	56.1	60.7	58.8	53.5	46.6	45.0	42.2	49.4	
G56.0	45.0	51.9	60.6	54.5	49.5	42.7	37.8	38.6	45.0	
G56.5	40.4	46.7	56.4	50.5	49.3	35.5	35.0	39.1	40.4	
G57.0	32.5	42.9	52.3	46.2	45.4	32.0	32.0	35.5	32.5	
G57.5	28.8	39.2	48.6	43.0	37.3	31.6	29.2	32.0	28.8	
G58.0	24.9	35.6	40.9	38.7	37.3	25.5	30.7	24.4	24.9	
G58.5	20.9	31.8	42.2	35.1	29.3	22.7	27.0	20.9	20.9	
G59.0	21.0	28.4	39.4	32.0	29.8	23.0	18.5	17.8	21.0	
G59.5	18.0	25.1	36.7	28.6	22.1	20.6	14.5	15.0	18.0	
G60.0	15.6	21.1	33.7	24.6	18.9	18.3	11.5	12.5	15.6	
G60.5	9.6	18.3	30.5	22.5	20.0	16.2	9.1	14.6	9.6	
G61.0	8.0	17.0	22.8	18.9	17.1	14.1	7.3	8.4	8.0	
G61.5	6.9	15.1	23.1	17.5	10.9	12.6	10.6	6.9	6.9	
G62.0	10.0	13.3	19.3	15.3	13.5	11.1	5.4	5.8	10.0	
G62.5	5.4	9.7	12.1	12.0	12.1	9.7	4.6	5.1	5.4	
G63.0	9.0	8.4	14.2	11.3	11.3	9.0	4.5	4.7	9.0	
G63.5	8.8	9.9	8.5	8.6	10.6	6.1	8.7	4.4	8.8	
G64.0	4.4	9.4	11.6	8.5	10.0	5.6	8.3	8.6	4.4	
G64.5	8.3	6.2	10.8	7.8	9.6	5.6	8.3	8.3	8.3	
G65.0	8.1	5.8	6.3	7.2	4.9	5.4	8.1	8.1	8.1	
G65.5	3.7	5.4	6.2	6.8	4.6	5.1	7.8	7.9	3.7	
G66.0	3.5	5.0	9.5	6.8	4.3	5.0	3.3	7.7	3.5	
G66.5	7.5	8.2	8.9	4.9	8.4	4.8	3.1	7.5	7.5	
G67.0	7.3	4.3	5.6	6.2	8.2	4.7	3.0	2.7	7.3	
G67.5	7.2	7.9	5.3	6.2	7.9	5.9	7.2	2.7	7.2	
G68.0	7.1	7.7	4.9	6.0	7.7	4.4	2.5	7.0	7.1	
G68.5	2.5	3.4	7.6	5.6	3.1	5.5	6.7	2.2	2.5	
G69.0	2.3	7.4	4.8	5.7	7.3	5.2	2.1	2.1	2.3	
G69.5	2.1	2.7	7.0	3.6	2.7	4.9	6.2	1.9	2.1	
G70.0	1.9	6.9	6.6	5.2	2.5	4.7	1.8	1.6	1.9	
G70.5	6.0	2.3	4.3	3.2	2.3	3.8	1.5	1.6	6.0	
G71.0	1.5	1.9	4.1	3.0	2.0	3.7	5.6	5.9	1.5	
G71.5	5.7	6.3	4.0	2.8	6.3	3.9	5.4	5.7	5.7	
G72.0	1.1	1.7	5.2	2.5	6.1	3.4	5.1	1.1	1.1	
G72.5	0.7	5.7	4.8	4.5	1.5	3.3	0.8	0.9	0.7	
G73.0	5.0	1.3	3.6	2.1	1.3	3.1	0.7	5.1	5.0	
G73.5	0.5	1.1	4.2	1.9	1.1	3.0	4.5	4.9	0.5	

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	0.1	0.7	3.9	1.7	0.9	2.9	0.4	4.8	0.1	
G74.5	4.5	0.7	3.2	3.8	0.7	2.8	4.1	4.6	4.5	
G75.0	4.3	4.6	3.2	3.6	4.9	2.7	3.9	0.0	4.3	
G75.5	3.9	4.3	2.9	1.1	4.7	2.6	0.0	0.0	3.9	
G76.0	0.0	4.2	2.6	3.3	0.2	1.6	0.0	4.0	0.0	
G76.5	0.0	3.9	2.3	3.2	4.2	1.1	3.0	3.8	0.0	
G77.0	0.0	3.6	2.0	3.1	0.0	2.3	3.0	3.6	0.0	
G77.5	3.3	3.3	1.8	0.4	4.0	2.2	0.0	0.0	3.3	
G78.0	3.2	0.0	2.4	0.1	3.6	0.4	2.4	0.0	3.2	
G78.5	3.0	0.0	2.3	0.0	3.6	0.4	0.0	3.2	3.0	
G79.0	2.9	2.5	0.9	0.0	3.5	1.9	0.0	0.0	2.9	
G79.5	0.0	0.0	0.6	2.3	3.2	1.6	0.0	0.0	0.0	
G80.0	0.0	0.0	0.3	2.2	3.2	1.7	0.0	0.0	0.0	
G80.5	0.0	0.0	0.1	2.0	3.1	0.0	1.4	0.0	0.0	
G81.0	2.2	1.5	0.0	1.9	2.9	1.4	0.0	0.0	2.2	
G81.5	2.1	1.2	0.0	0.0	0.0	1.4	0.0	2.2	2.1	
G82.0	1.9	1.0	0.0	1.6	2.5	0.0	0.8	0.0	1.9	
G82.5	0.0	0.8	1.5	0.0	0.0	1.1	0.0	0.0	0.0	
G83.0	0.0	0.0	0.0	0.0	2.2	0.0	0.5	0.0	0.0	
G83.5	1.6	0.0	0.0	0.0	2.1	1.2	0.3	0.0	1.6	
G84.0	1.5	0.1	1.3	0.0	0.0	1.0	0.2	0.0	1.5	
G84.5	1.4	0.0	0.0	1.0	1.9	1.1	0.0	1.5	1.4	
G85.0	1.3	0.0	0.0	1.0	0.0	1.1	0.0	0.0	1.3	
G85.5	0.0	0.0	1.1	0.8	1.7	0.0	0.0	0.0	0.0	
G86.0	1.1	0.0	0.0	0.8	1.5	1.0	0.0	1.2	1.1	
G86.5	0.0	0.0	0.8	0.0	1.4	1.0	0.0	0.0	0.0	
G87.0	1.0	0.0	0.0	0.4	1.3	0.0	0.0	0.0	1.0	
G87.5	0.9	0.0	1.0	0.0	1.3	1.0	0.0	1.0	0.9	
G88.0	0.0	0.0	0.0	0.5	1.2	0.0	0.0	1.0	0.0	
G88.5	0.8	0.0	0.9	0.2	1.2	0.0	0.0	0.9	0.8	
G89.0	0.8	0.0	0.0	0.0	1.1	0.0	0.0	0.9	0.8	
G89.5	0.0	0.0	1.0	0.3	0.0	0.0	0.0	0.0	0.0	
G90.0	0.0	0.0	0.0	0.1	0.0	0.9	0.0	0.0	0.0	
G90.5	0.8	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.8	
G91.0	0.0	0.0	0.0	0.3	0.0	0.9	0.0	0.0	0.0	
G91.5	0.0	0.0	0.0	0.0	0.9	0.9	0.0	0.0	0.0	
G92.0	0.8	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.8	

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	0.0	0.9	0.3	0.9	0.0	0.0	0.0	0.0	
G93.0	0.0	0.2	0.0	0.3	0.9	0.0	0.0	0.9	0.0	
G93.5	0.0	0.3	0.0	0.0	0.0	1.0	0.0	0.0	0.0	
G94.0	0.0	0.4	0.0	0.0	0.9	1.0	0.0	0.9	0.0	
G94.5	0.0	0.5	0.0	0.3	0.0	0.0	0.0	0.9	0.0	
G95.0	0.8	0.5	0.0	0.3	0.0	0.0	0.0	0.9	0.8	
G95.5	0.5	0.0	0.0	0.3	0.9	0.0	0.2	0.0	0.5	
G96.0	0.0	0.7	1.0	0.0	0.9	0.0	0.0	0.0	0.0	
G96.5	0.0	0.7	1.0	0.0	0.7	1.0	0.4	0.9	0.0	
G97.0	0.0	0.8	0.0	0.0	0.0	0.0	0.4	0.0	0.0	
G97.5	0.0	0.9	1.0	0.0	0.0	0.8	0.5	0.0	0.0	
G98.0	0.7	0.9	1.0	0.0	0.0	0.9	0.0	0.9	0.7	
G98.5	0.0	0.9	1.0	0.0	0.9	0.0	0.0	0.0	0.0	
G99.0	0.0	0.0	0.8	0.0	0.0	0.7	0.7	0.9	0.0	
G99.5	0.0	1.0	1.0	0.2	0.8	0.0	0.0	0.9	0.0	
G100.0	0.0	1.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	
G100.5	0.7	1.0	0.8	0.0	0.0	0.5	0.9	0.9	0.7	
G101.0	0.0	1.0	0.9	0.0	0.0	0.0	0.0	1.0	0.0	
G101.5	0.0	1.0	0.0	0.2	0.0	0.4	1.0	0.9	0.0	
G102.0	0.0	0.0	0.0	0.0	0.9	0.0	1.0	0.0	0.0	
G102.5	0.7	1.0	0.9	0.0	0.0	0.0	0.0	0.7	0.7	
G103.0	0.0	1.0	0.9	0.1	0.9	0.0	0.0	0.9	0.0	
G103.5	0.0	0.0	0.0	0.0	0.9	0.0	1.1	0.0	0.0	
G104.0	0.0	0.0	0.9	0.0	0.0	0.0	0.9	0.0	0.0	
G104.5	0.0	1.0	0.0	0.1	0.0	0.0	1.1	0.0	0.0	
G105.0	0.0	0.0	0.8	0.0	0.0	0.0	1.1	0.9	0.0	
G105.5	0.0	0.0	0.8	0.0	0.9	0.0	0.9	0.7	0.0	
G106.0	0.0	0.0	0.0	0.0	0.9	0.0	1.1	0.9	0.0	
G106.5	0.0	0.7	0.8	0.0	0.9	0.0	1.1	0.0	0.0	
G107.0	0.7	0.8	0.8	0.0	0.0	0.0	0.0	0.7	0.7	
G107.5	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.9	0.0	
G108.0	0.0	0.0	0.8	0.0	0.9	0.0	0.0	0.0	0.0	
G108.5	0.7	0.7	0.8	0.0	0.9	0.0	0.0	0.7	0.7	
G109.0	0.0	0.6	0.8	0.0	0.0	0.0	0.0	0.9	0.0	
G109.5	0.7	0.5	0.8	0.0	0.0	0.0	0.0	0.9	0.7	
G110.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.8	0.0	
G110.5	0.0	0.4	0.0	0.0	0.8	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 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	0.0	0.0	0.0	0.0	0.0	0.0	
G112.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.9	0.0	
G112.5	0.0	0.0	0.0	0.0	0.8	0.0	0.5	0.0	0.0	
G113.0	0.0	0.0	0.7	0.0	0.8	0.2	0.0	0.0	0.0	
G113.5	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	
G114.0	0.0	0.0	0.0	0.0	0.8	0.4	0.0	0.0	0.0	
G114.5	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	
G115.0	0.7	0.0	0.0	0.0	0.0	0.6	0.1	0.0	0.7	
G115.5	0.0	0.0	0.0	0.0	0.8	0.7	0.0	0.0	0.0	
G116.0	0.7	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.7	
G116.5	0.0	0.0	0.0	0.0	0.7	0.9	0.0	0.0	0.0	
G117.0	0.8	0.0	0.0	0.0	0.7	1.0	0.0	0.0	0.8	
G117.5	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	
G118.0	0.8	0.0	0.5	0.0	0.7	0.0	0.0	0.9	0.8	
G118.5	0.7	0.0	0.0	0.0	0.6	1.2	0.0	0.0	0.7	
G119.0	0.0	0.0	0.0	0.0	0.6	1.3	0.0	0.0	0.0	
G119.5	0.8	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.8	
G120.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.7	
G120.5	0.5	0.0	0.0	0.0	0.5	1.5	0.0	0.0	0.5	
G121.0	0.7	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.7	
G121.5	0.7	0.0	0.0	0.0	0.0	1.5	0.0	1.0	0.7	
G122.0	0.0	0.3	0.5	0.0	0.4	1.6	0.0	0.0	0.0	
G122.5	0.0	0.0	0.4	0.0	0.0	0.0	0.0	1.0	0.0	
G123.0	0.7	0.0	0.4	0.3	0.4	1.6	0.2	1.0	0.7	
G123.5	0.0	0.7	0.0	0.3	0.0	1.7	0.0	1.0	0.0	
G124.0	0.7	0.0	0.3	0.0	0.1	1.7	0.0	0.0	0.7	
G124.5	0.7	0.0	0.0	0.0	0.2	1.7	0.5	1.0	0.7	
G125.0	0.0	1.2	0.3	0.6	0.0	0.0	0.0	0.0	0.0	
G125.5	0.0	1.3	0.3	0.7	0.0	0.0	0.0	1.0	0.0	
G126.0	0.0	1.4	0.3	0.0	0.1	0.0	0.0	0.0	0.0	
G126.5	0.7	1.5	0.0	0.0	0.0	0.0	0.9	1.1	0.7	
G127.0	0.0	1.6	0.0	0.9	0.0	0.0	0.0	1.1	0.0	
G127.5	0.7	1.6	0.0	0.0	0.0	1.6	0.0	0.0	0.7	
G128.0	0.7	1.7	0.0	0.0	0.0	1.6	0.0	0.0	0.7	
G128.5	0.0	1.8	0.0	0.0	0.0	1.5	0.0	1.1	0.0	
G129.0	0.0	1.9	0.2	0.0	0.0	1.5	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 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	1.9	0.0	0.0	0.0	1.5	1.5	0.0	0.0	
G130.0	0.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	
G130.5	0.6	2.0	0.2	1.5	0.0	1.4	1.6	1.1	0.6	
G131.0	0.6	0.0	0.0	1.5	0.0	0.0	1.7	0.0	0.6	
G131.5	0.5	2.1	0.1	1.5	0.0	0.0	1.8	1.1	0.5	
G132.0	0.6	0.0	0.1	1.6	0.1	0.0	0.0	0.0	0.6	
G132.5	0.5	0.0	0.0	1.7	0.0	1.1	0.0	0.0	0.5	
G133.0	0.3	0.0	0.0	1.8	0.0	0.0	2.0	0.0	0.3	
G133.5	0.0	0.0	0.1	1.8	0.0	0.0	2.1	0.0	0.0	
G134.0	0.0	2.2	0.1	1.9	0.5	0.0	0.0	1.2	0.0	
G134.5	0.0	2.2	0.0	0.0	0.0	0.8	0.0	0.0	0.0	
G135.0	0.4	2.2	0.1	1.8	0.7	0.8	0.0	1.2	0.4	
G135.5	0.4	2.2	0.0	0.0	0.0	0.7	2.3	0.0	0.4	
G136.0	0.1	2.1	0.0	2.1	0.9	0.0	0.0	1.0	0.1	
G136.5	0.3	2.1	0.3	2.0	0.0	0.5	0.0	0.0	0.3	
G137.0	0.4	2.1	0.3	0.0	1.1	0.5	2.5	1.2	0.4	
G137.5	0.5	1.9	0.3	2.3	0.0	0.4	2.4	1.0	0.5	
G138.0	0.6	2.0	0.5	0.0	1.4	0.3	2.5	0.0	0.6	
G138.5	0.7	0.0	0.6	0.0	1.5	0.4	2.6	1.2	0.7	
G139.0	0.8	0.0	0.0	0.0	0.0	0.2	2.4	0.0	0.8	
G139.5	0.9	1.9	0.7	0.0	0.0	0.1	0.0	1.3	0.9	
G140.0	0.1	1.8	0.0	2.5	1.8	0.8	0.0	1.3	0.1	
G140.5	0.1	1.6	0.0	2.5	0.0	0.9	0.0	0.0	0.1	
G141.0	1.3	1.7	0.0	0.0	0.0	1.1	2.8	1.3	1.3	
G141.5	0.0	1.6	0.0	2.7	2.0	0.0	0.0	1.3	0.0	
G142.0	0.0	0.0	0.0	2.7	2.2	0.0	2.6	0.0	0.0	
G142.5	0.0	0.0	1.1	0.0	0.0	1.5	0.0	0.0	0.0	
G143.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	
G143.5	1.8	0.0	1.3	0.0	0.0	1.8	0.0	0.0	1.8	
G144.0	2.0	1.3	1.4	0.0	2.5	0.0	0.0	1.4	2.0	
G144.5	2.1	0.3	1.5	2.9	0.0	0.0	2.9	1.4	2.1	
G145.0	0.0	1.1	0.0	2.9	0.0	2.2	0.0	0.2	0.0	
G145.5	2.3	1.0	1.6	0.0	0.0	0.0	0.0	1.4	2.3	
G146.0	0.0	0.9	1.6	0.0	0.0	0.0	0.0	0.4	0.0	
G146.5	0.0	0.9	0.0	3.0	0.0	0.0	2.7	1.5	0.0	
G147.0	0.0	1.1	1.8	0.0	0.0	0.0	0.0	0.5	0.0	
G147.5	0.0	0.7	1.9	0.0	0.0	0.0	0.0	1.5	0.0	

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

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	2.9	1.4	0.0	3.1	0.0	0.0	0.0	0.7	2.9	
G148.5	0.0	0.5	0.0	0.0	3.1	0.0	2.9	1.5	0.0	
G149.0	0.0	0.4	0.0	3.1	3.2	3.0	0.0	0.8	0.0	
G149.5	3.2	0.4	0.0	0.0	3.2	0.0	2.8	1.6	3.2	
G150.0	3.1	0.3	2.1	0.0	0.0	3.2	0.0	0.9	3.1	
G150.5	0.0	2.2	2.3	0.0	3.3	0.0	2.9	1.5	0.0	
G151.0	3.5	2.4	0.1	3.2	3.4	3.5	2.9	1.0	3.5	
G151.5	3.4	0.1	2.2	3.2	3.4	3.4	0.0	1.6	3.4	
G152.0	0.0	2.7	0.1	3.1	0.0	3.5	2.8	1.6	0.0	
G152.5	0.0	2.8	0.2	3.2	0.0	0.0	0.1	1.2	0.0	
G153.0	3.6	2.9	2.3	0.0	0.0	3.6	2.8	1.2	3.6	
G153.5	0.0	3.1	2.6	3.0	3.6	3.7	2.8	1.3	0.0	
G154.0	3.9	0.0	2.7	0.0	3.7	3.5	2.8	1.7	3.9	
G154.5	0.0	0.0	2.5	0.0	3.7	3.8	0.4	1.7	0.0	
G155.0	0.0	3.4	2.7	3.0	0.0	0.0	0.5	1.4	0.0	
G155.5	0.0	0.0	2.8	3.1	0.0	3.6	0.6	1.5	0.0	
G156.0	0.0	0.0	0.2	3.1	0.0	0.0	0.7	1.8	0.0	
G156.5	0.0	3.7	2.9	2.9	3.8	3.8	2.5	1.8	0.0	
G157.0	4.2	3.8	0.5	3.1	0.0	3.6	0.9	1.9	4.2	
G157.5	0.0	3.7	3.0	3.1	3.9	0.0	1.0	1.6	0.0	
G158.0	4.3	4.0	0.6	2.8	0.0	3.8	1.1	1.6	4.3	
G158.5	4.3	4.0	3.0	0.6	3.9	3.5	1.2	1.7	4.3	
G159.0	4.3	0.0	3.1	0.7	3.7	3.7	2.4	1.9	4.3	
G159.5	4.3	4.1	3.1	0.9	0.0	3.7	2.3	2.0	4.3	
G160.0	0.1	0.0	3.1	0.9	0.0	0.0	2.3	2.0	0.1	
G160.5	0.1	4.0	0.8	3.0	0.0	3.5	1.6	1.5	0.1	
G161.0	0.1	4.3	0.8	1.0	0.0	0.4	2.2	2.1	0.1	
G161.5	0.2	0.0	0.9	2.9	4.0	3.4	2.1	2.1	0.2	
G162.0	4.3	0.0	3.2	2.9	0.0	0.6	1.7	1.6	4.3	
G162.5	0.4	4.3	1.0	2.9	4.0	0.7	2.0	1.8	0.4	
G163.0	0.4	0.1	3.3	1.4	0.1	3.3	2.1	1.9	0.4	
G163.5	0.5	4.3	1.0	2.8	0.0	3.2	1.7	2.1	0.5	
G164.0	4.3	0.2	3.3	2.8	0.2	3.1	1.9	2.3	4.3	
G164.5	0.6	0.2	1.2	1.7	0.3	3.0	1.8	1.9	0.6	
G165.0	4.3	4.3	1.2	2.7	0.3	1.4	2.3	1.8	4.3	
G165.5	4.3	4.2	3.3	1.9	0.5	1.5	1.7	1.9	4.3	
G166.0	0.8	0.5	3.3	2.0	0.5	1.7	1.7	2.5	0.8	

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	0.9	4.1	3.3	2.6	0.6	2.7	1.5	2.5	0.9	
G167.0	4.2	4.1	1.4	2.1	0.7	2.6	1.6	2.6	4.2	
G167.5	4.1	0.8	3.3	2.6	0.8	2.0	3.0	2.6	4.1	
G168.0	4.1	4.0	1.5	2.5	0.8	2.1	3.0	2.7	4.1	
G168.5	4.1	4.0	1.5	2.3	3.7	2.3	3.2	1.9	4.1	
G169.0	1.2	1.1	3.3	2.5	3.7	2.4	1.4	2.8	1.2	
G169.5	1.3	3.8	1.7	2.5	3.6	2.2	1.3	1.8	1.3	
G170.0	3.8	1.3	3.1	2.5	1.1	2.1	1.3	1.8	3.8	
G170.5	1.4	1.4	3.2	2.3	1.3	2.0	1.2	1.8	1.4	
G171.0	1.5	1.5	1.9	2.7	3.5	1.9	1.0	1.8	1.5	
G171.5	3.7	3.5	1.8	2.3	1.5	3.0	1.1	3.1	3.7	
G172.0	1.6	3.4	2.0	2.7	1.5	1.5	1.1	1.7	1.6	
G172.5	1.7	3.3	2.1	2.2	3.2	1.7	1.0	3.2	1.7	
G173.0	1.5	2.0	1.9	3.0	3.3	1.6	1.0	3.3	1.5	
G173.5	1.8	2.1	3.0	1.9	1.9	3.5	0.8	3.3	1.8	
G174.0	3.7	2.2	3.0	3.1	2.0	1.4	4.2	1.5	3.7	
G174.5	1.7	2.8	2.1	3.2	3.1	3.7	0.8	1.5	1.7	
G175.0	3.6	2.4	2.4	1.8	2.3	1.3	4.3	3.7	3.6	
G175.5	3.5	2.7	2.5	1.9	2.4	3.9	0.7	3.7	3.5	
G176.0	2.0	2.7	2.5	1.9	2.9	1.2	0.7	3.7	2.0	
G176.5	2.1	2.5	2.6	1.8	2.8	1.1	0.7	3.9	2.1	
G177.0	3.4	2.3	2.8	3.5	2.8	1.0	0.6	4.0	3.4	
G177.5	3.3	3.2	2.5	3.7	2.6	1.0	0.4	1.1	3.3	
G178.0	2.4	3.5	3.1	1.5	3.1	4.4	0.6	1.0	2.4	
G178.5	3.0	3.9	3.4	1.3	2.4	0.8	0.5	4.3	3.0	
G179.0	2.8	4.5	4.1	1.0	2.0	0.5	0.5	0.9	2.8	
G179.5	3.2	0.5	0.4	0.7	3.5	0.7	0.5	0.8	3.2	
G180.0	2.1	0.7	4.9	0.4	1.5	0.6	0.6	4.8	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: