

Report No.:

Test Time: 2018-08-22 16:18

## Luminaire Property

Luminaire Manufacturer:

Luminaire Description: MR16-3W-3000K-15D

Voltage: 12.1 V

Current: 0.400 A

Power: 3.70 W

Power Factor: 0.759

## Photometric Results

CIE Class: Direct

Measurement Flux: 313 lm

Downward Ratio: 99%

Total Rated Lamp Lumens: 313.0 lm

Efficiency: 100%

Upward Ratio: 1%

Horizontal Diffuse Angle(10%,25%,50%,75%): H38.2,H28.7,H20.6,H13.2

Vertical Diffuse Angle(10%,25%,50%,75%): V38.6,V28.7,V21,V13.7

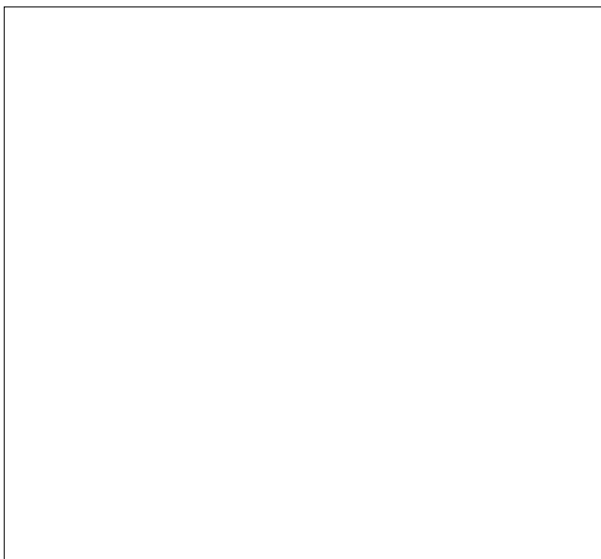
Luminaire Efficacy Rating (LER): 85

Central Intensity: 1565 cd

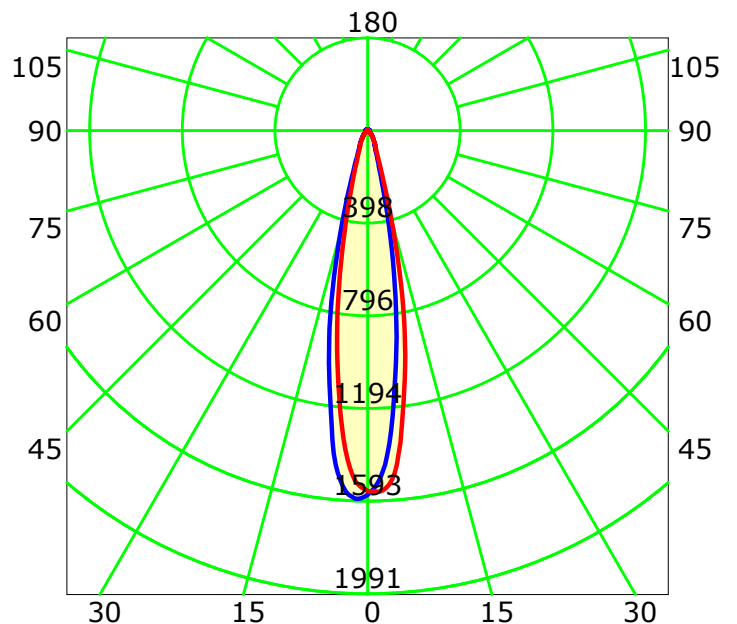
Max. Intensity: 1583.55 cd

Pos of Max. Intensity: H180 V1.5

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

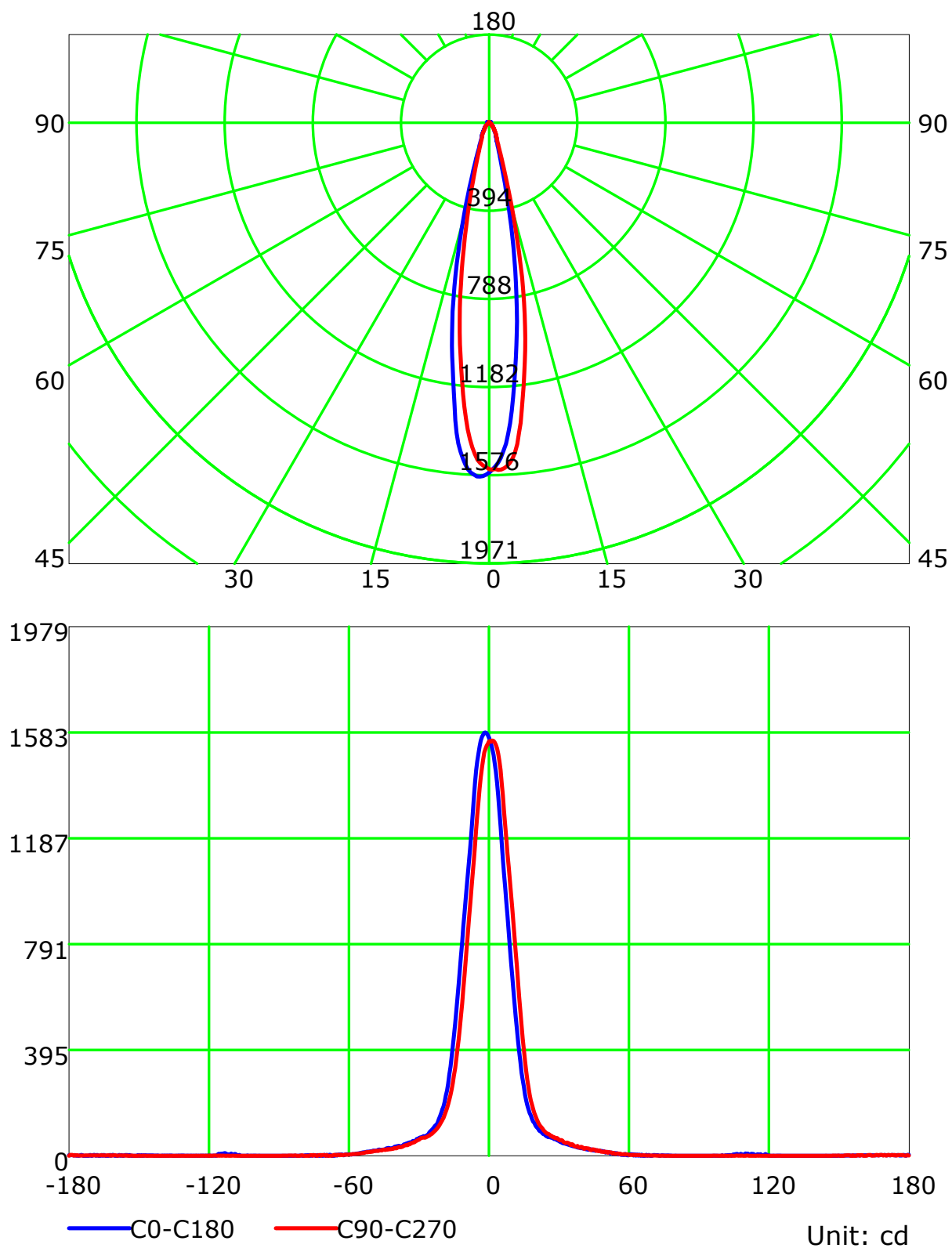
Test Device: GPM-1600

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

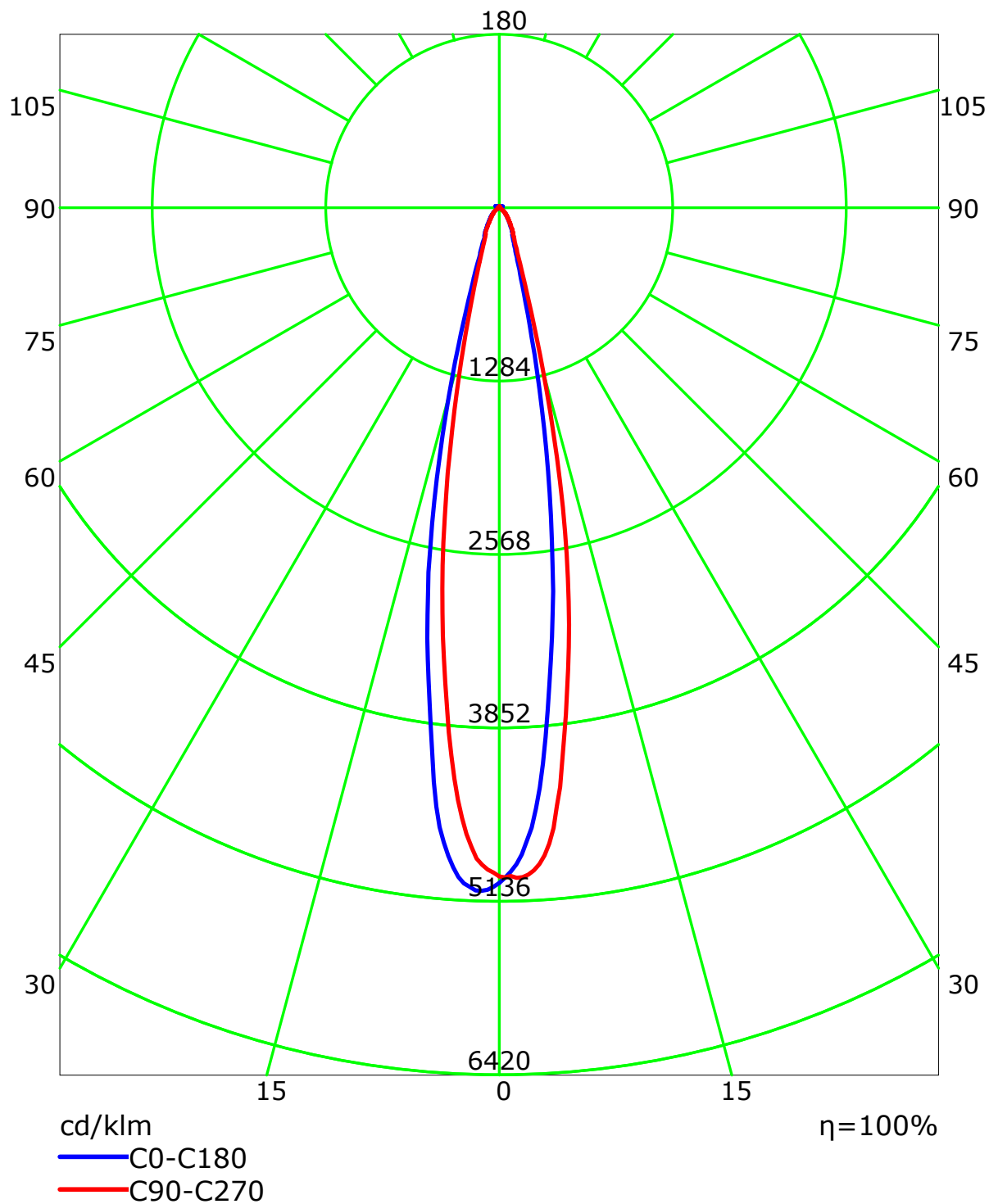
Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

## Luminous Intensity Distribution Curve(cd/klm)



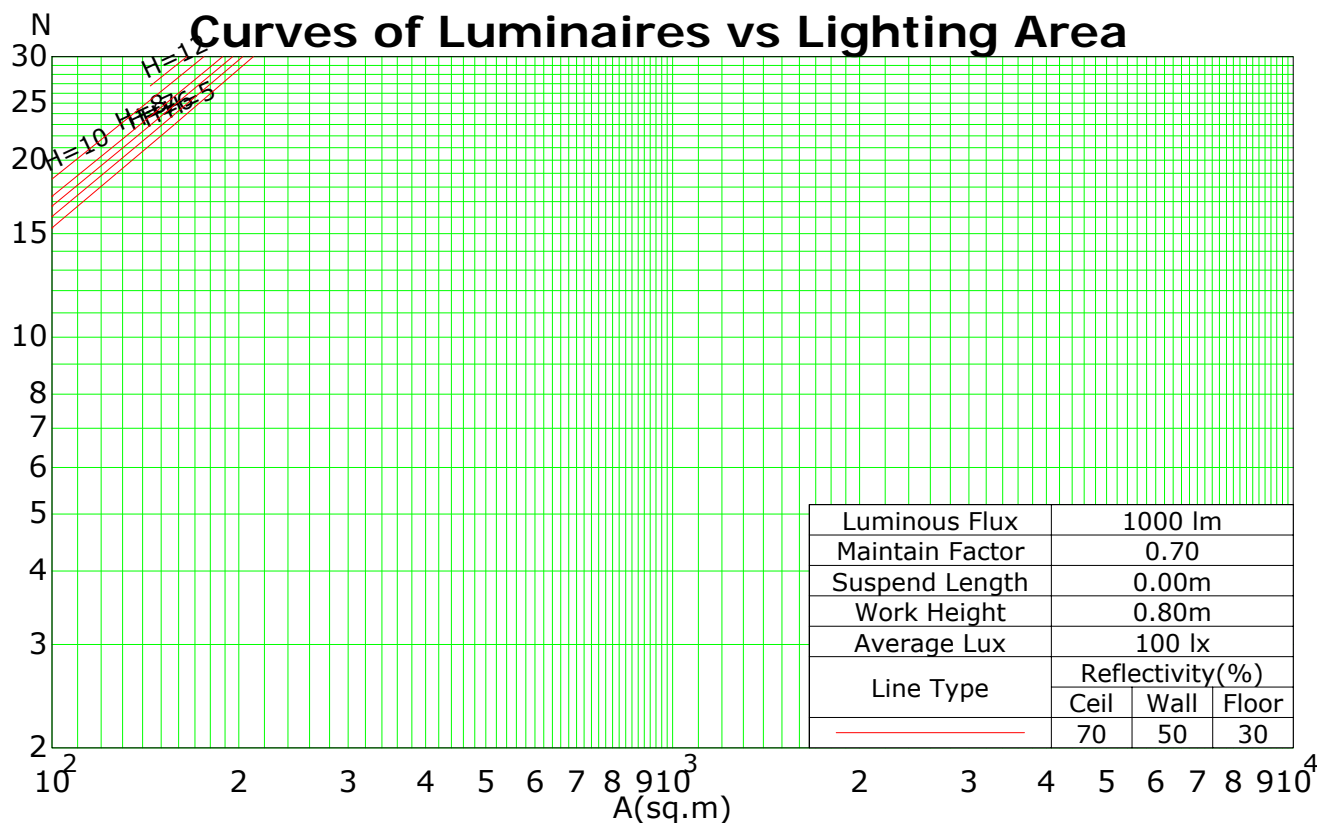
C Plane (°):0.0-360.0: 45.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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	99
1	114	112	109	108	111	109	107	106	105	104	102	101	100	99	98	97	96	94
2	110	105	102	99	107	104	100	98	100	98	96	97	95	93	94	93	91	90
3	105	100	96	92	103	98	95	92	96	93	90	93	91	88	91	89	87	86
4	101	95	91	87	100	94	90	87	92	88	85	90	87	84	88	85	83	82
5	98	91	86	83	96	90	86	82	88	84	81	86	83	81	85	82	80	79
6	94	87	82	79	93	86	82	79	85	81	78	83	80	77	82	79	77	76
7	91	84	79	76	90	83	79	76	82	78	75	81	77	75	80	77	74	73
8	88	81	76	73	87	80	76	73	79	75	72	78	75	72	77	74	72	71
9	86	78	74	71	85	78	73	70	77	73	70	76	72	70	75	72	70	68
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67

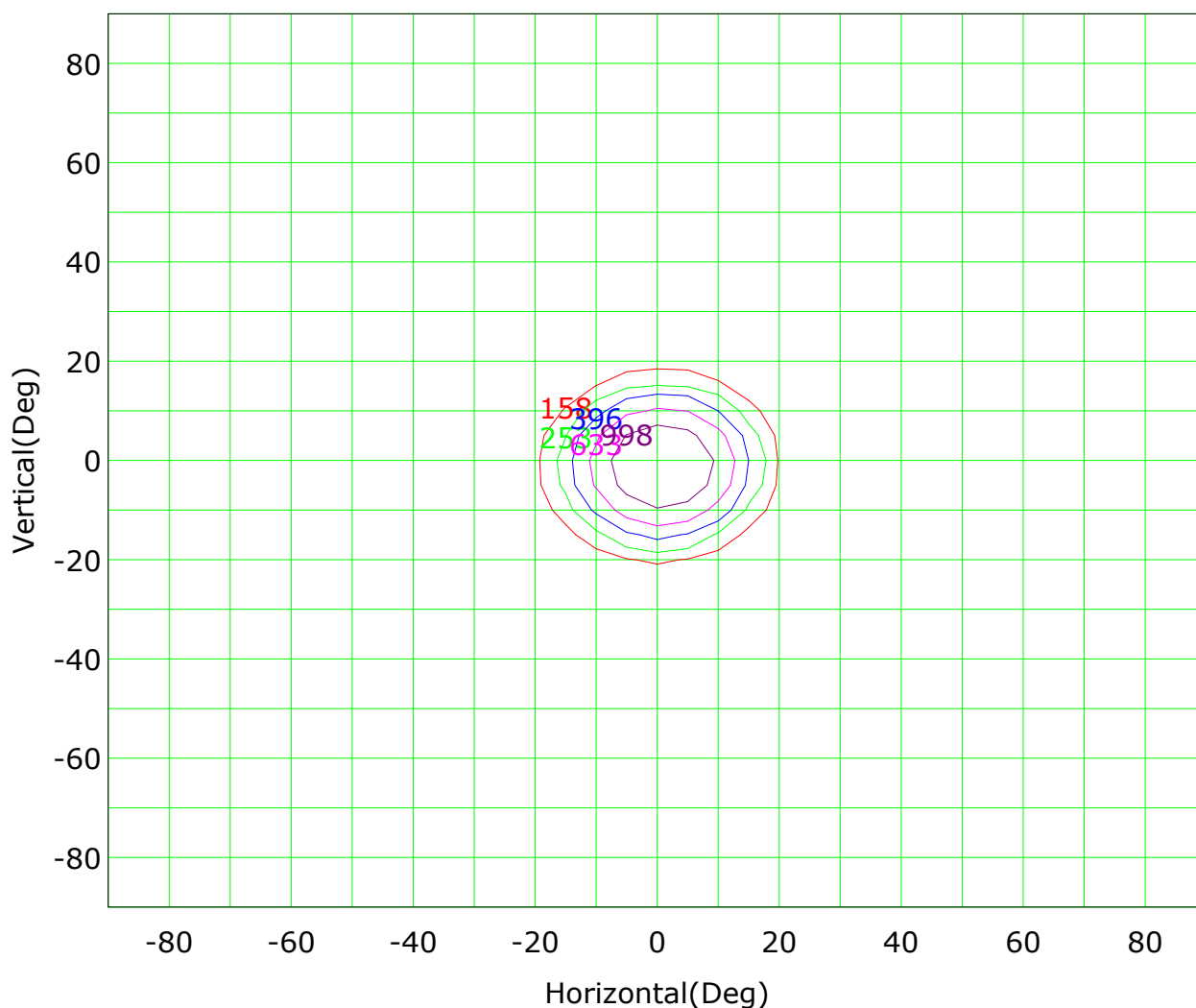
Spacing Criteria (0-180): 0.35  
Spacing Criteria (90-270): 0.36  
Spacing Criteria (Diagonal): 0.35



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)



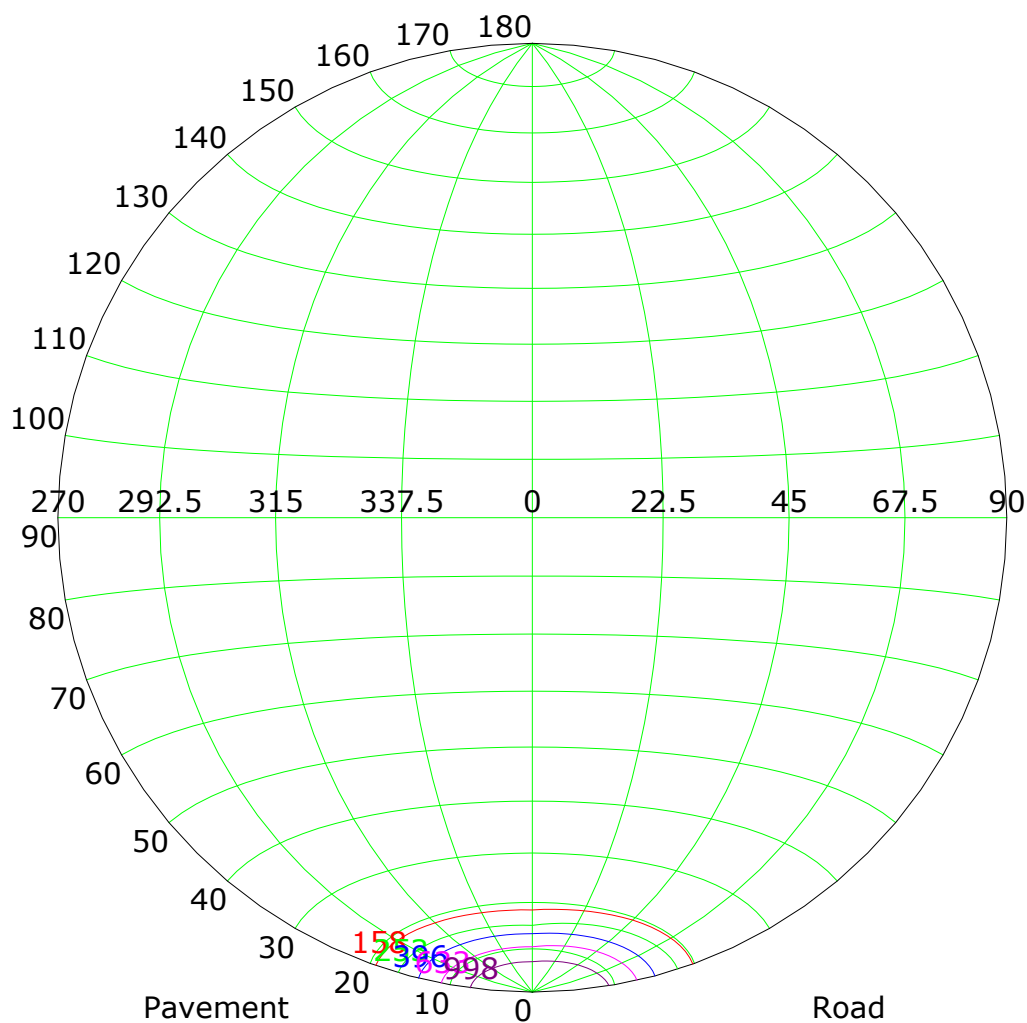
Imax (100%): 1584 cd

( 10%): 158 cd	( 16%): 253 cd
( 25%): 396 cd	( 40%): 633 cd
( 63%): 998 cd	(100%): 1584 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%): 1584 cd

( 10%): 158 cd	( 16%): 253 cd
( 25%): 396 cd	( 40%): 633 cd
( 63%): 998 cd	(100%): 1584 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

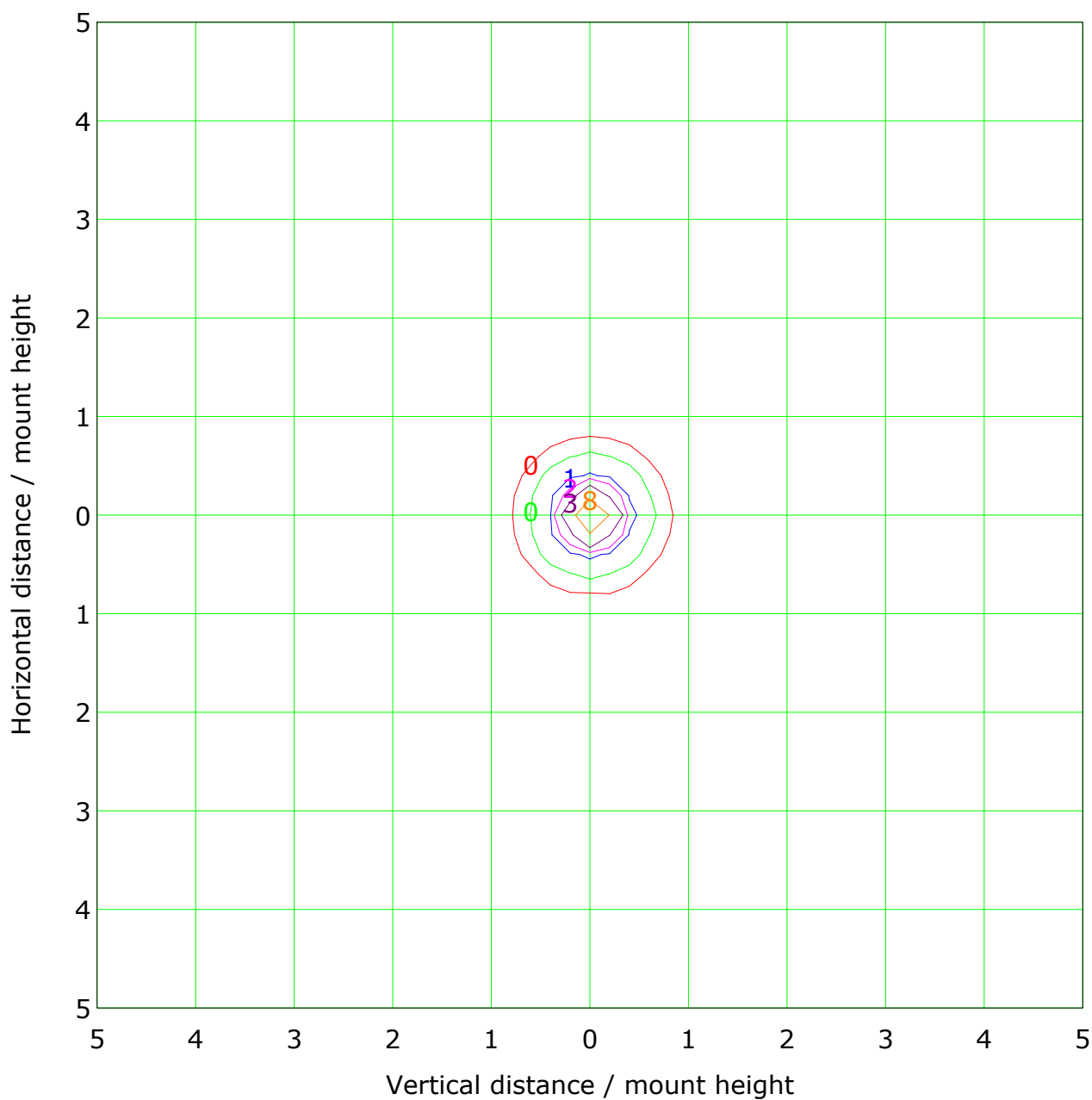
Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10.0m    Max Lux(100%): 15.8 lx

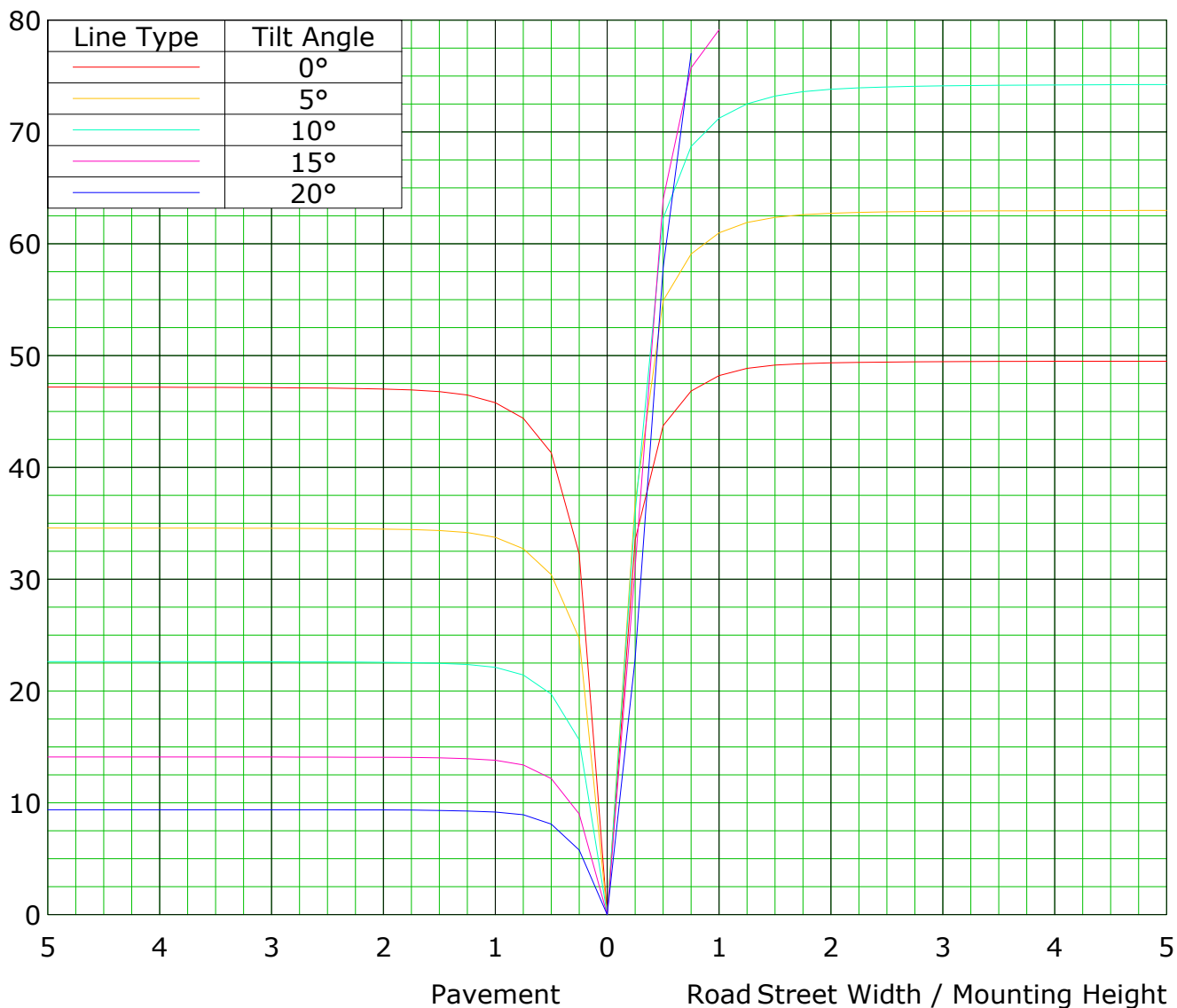
( 1%): 0.2 lx	( 2%): 0.3 lx
( 5%): 0.8 lx	( 10%): 1.6 lx
( 20%): 3.2 lx	( 50%): 7.9 lx
(100%): 15.8 lx	

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

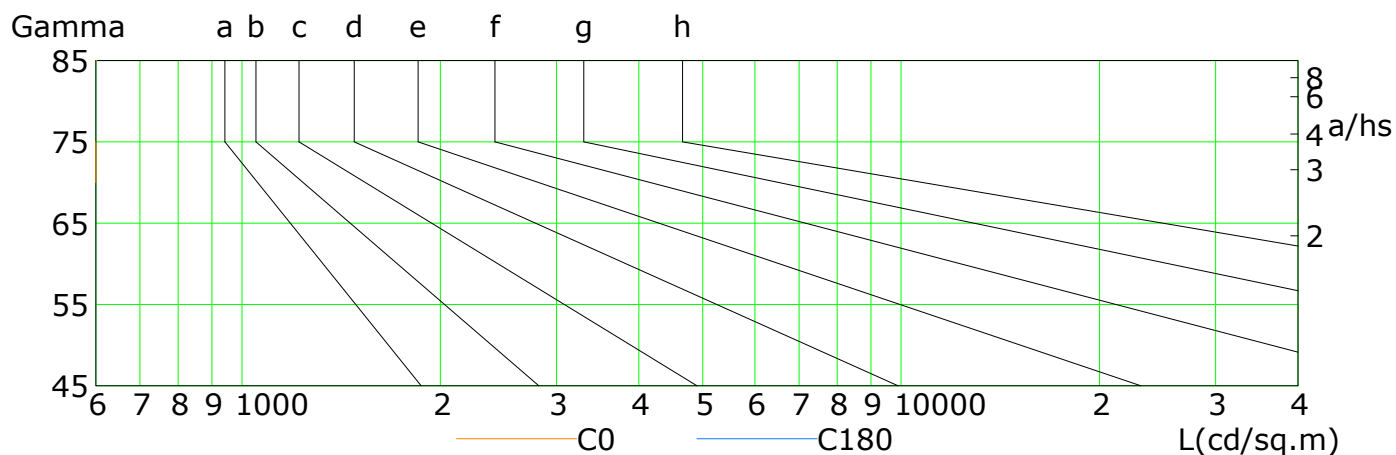
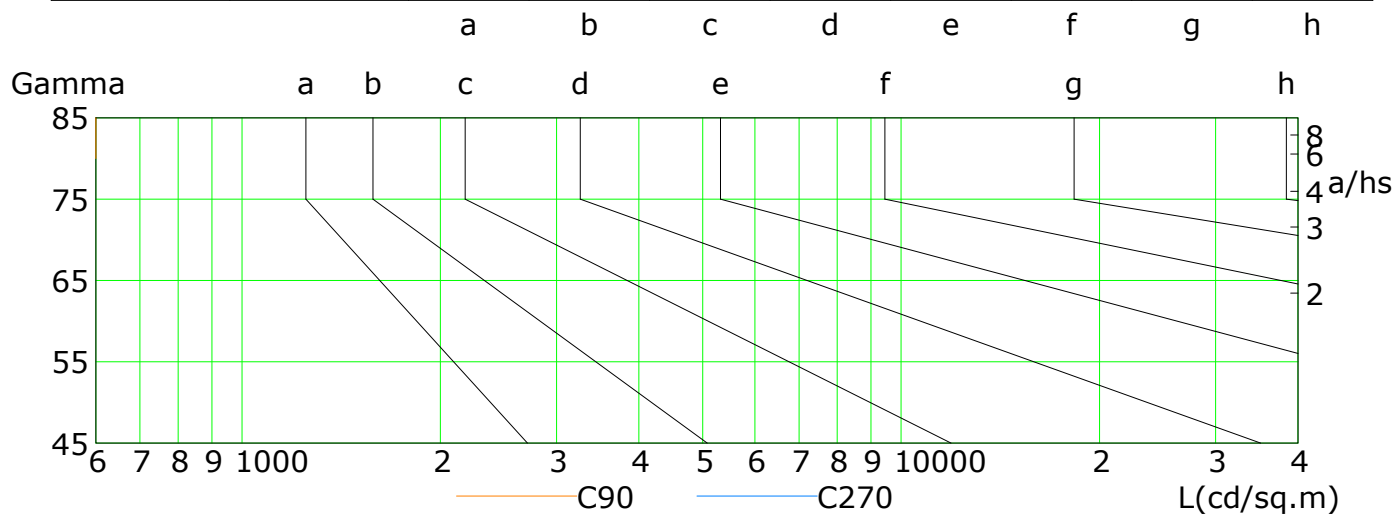
Humidity:

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	23	12	10	2	0	0	0	1	0
C90	24	13	9	4	2	1	1	0	0
C180	24	18	11	4	1	0	3	0	0
C270	23	15	9	5	4	0	3	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

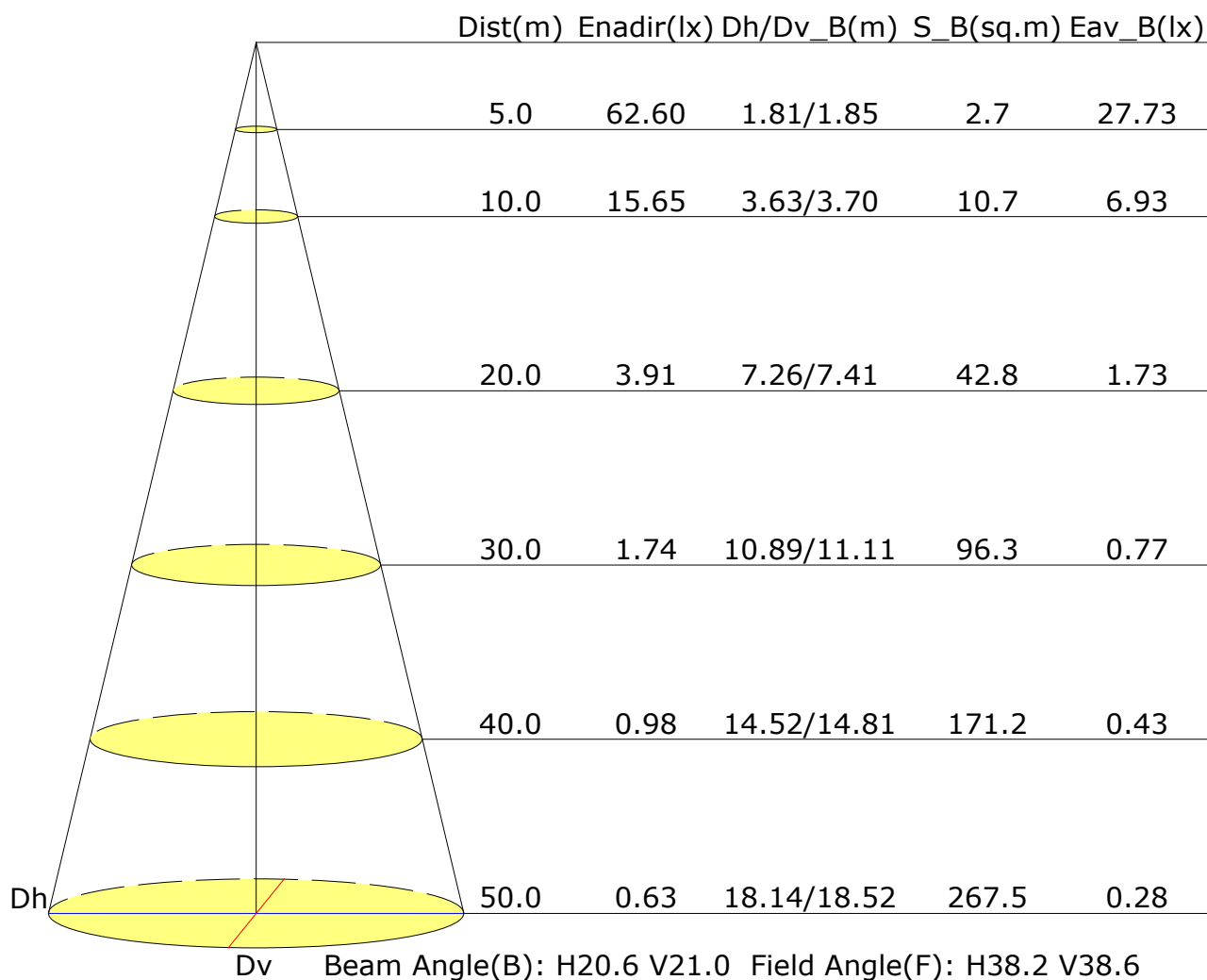
Test Device: GPM-1600

Distance: 8.177 m

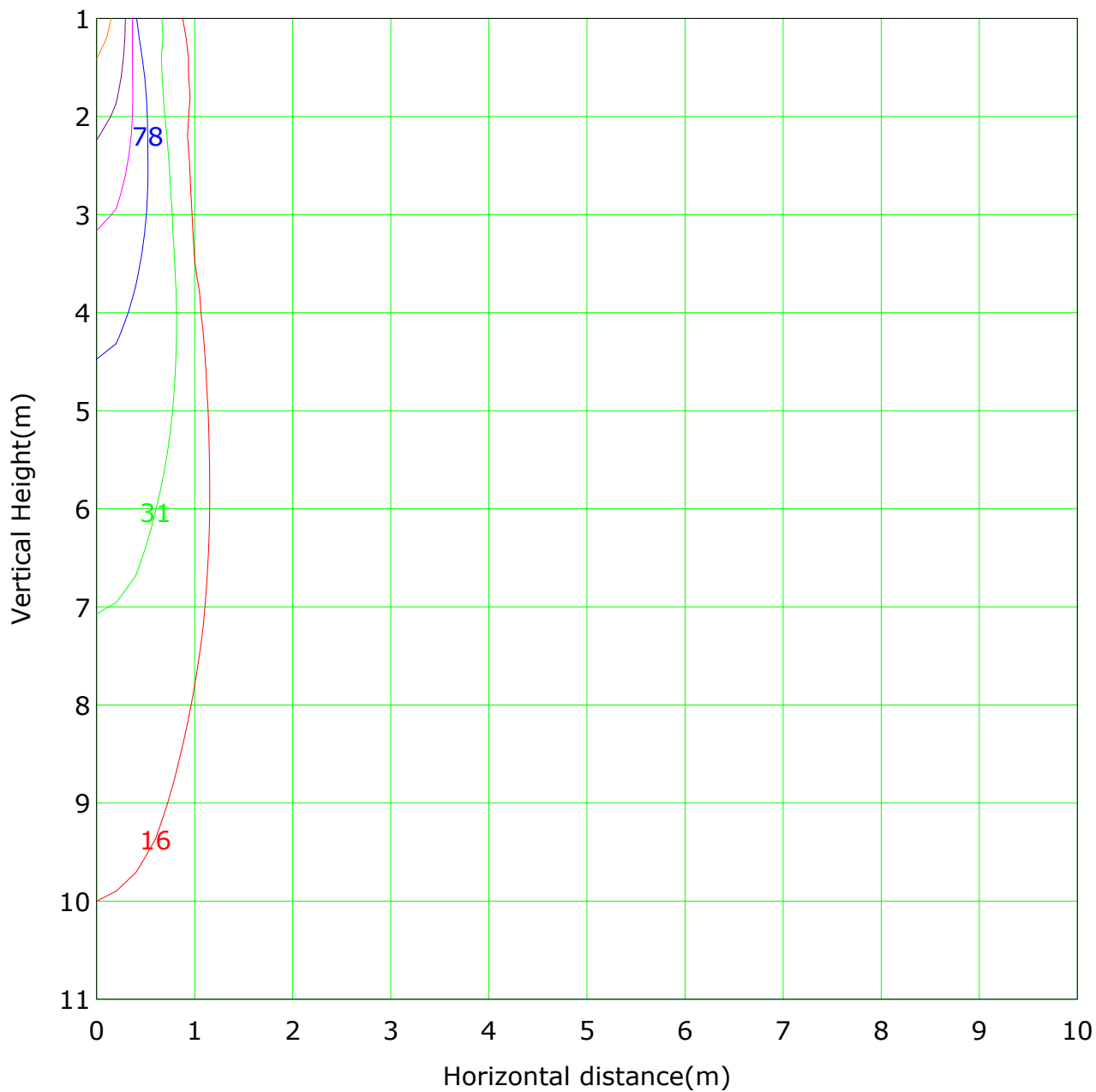
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



Lowest(m): 1.0m   Highest(m): 11.0m   Max Lux: 1565.0 lx

( 1%): 15.7 lx	( 2%): 31.3 lx
( 5%): 78.3 lx	( 10%): 156.5 lx
( 20%): 313.0 lx	( 50%): 782.5 lx
(100%):1565.0 lx	

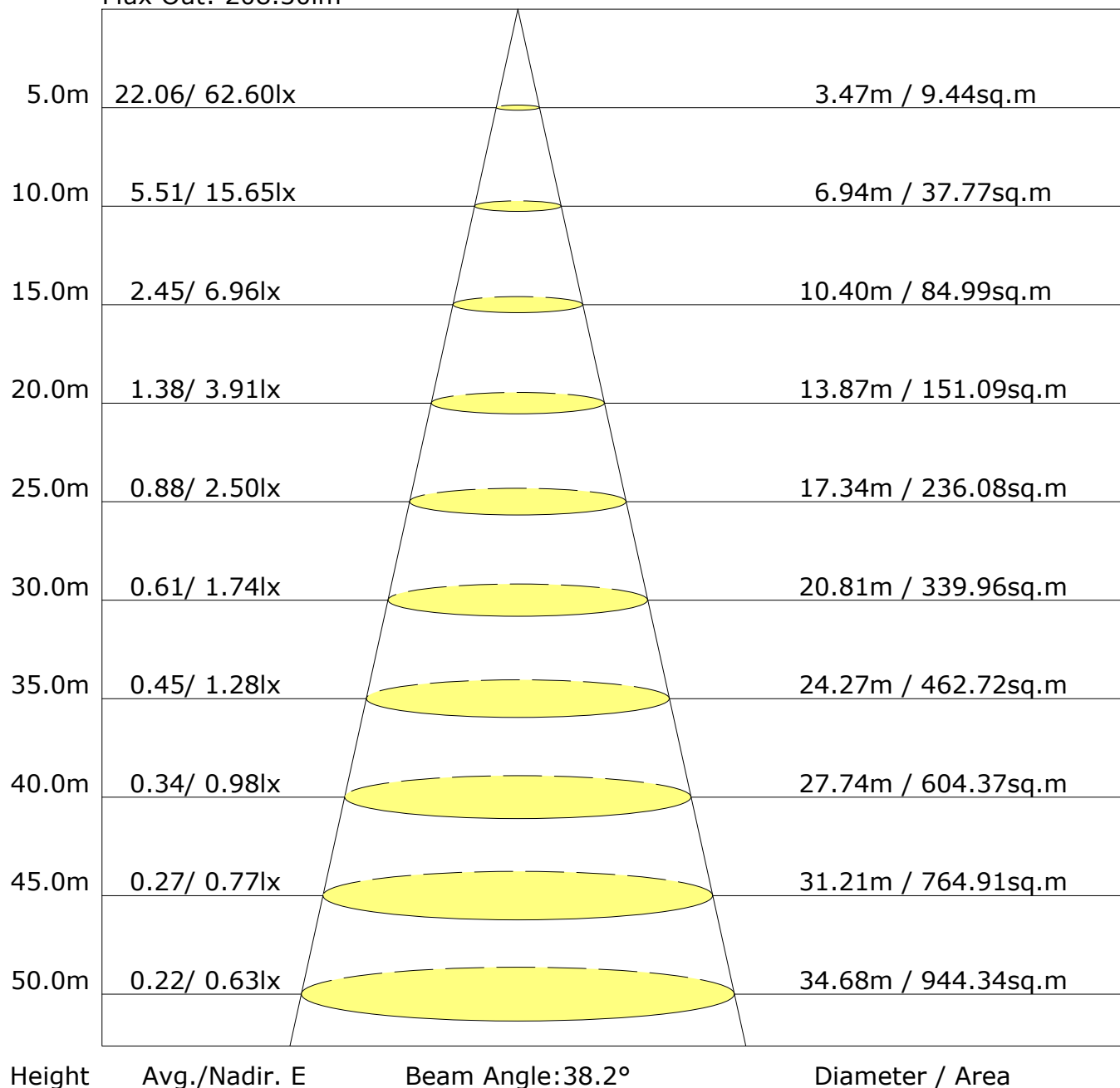
C Plane (°):0.0-360.0: 45.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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: 208.30lm



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

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

## UGR Table

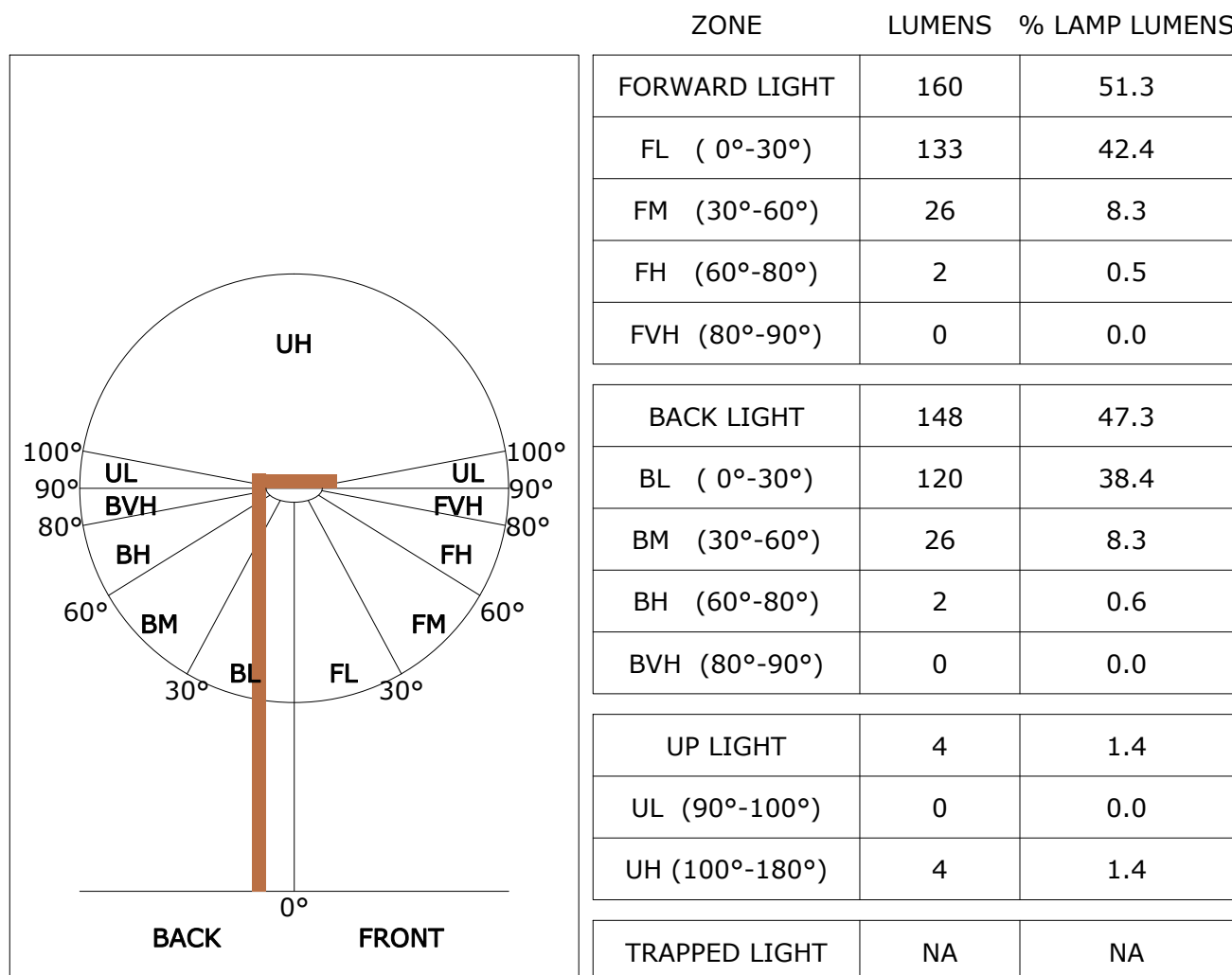
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
3H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
4H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
6H	1.\$	1.\$	1.\$	1.\$	1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=4H Y=2H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
3H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
4H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
6H	1.\$	1.\$	1.\$	1.\$	1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=8H Y=4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=12H Y=4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$

Calculate in accordance with CIE 190:2010

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

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

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

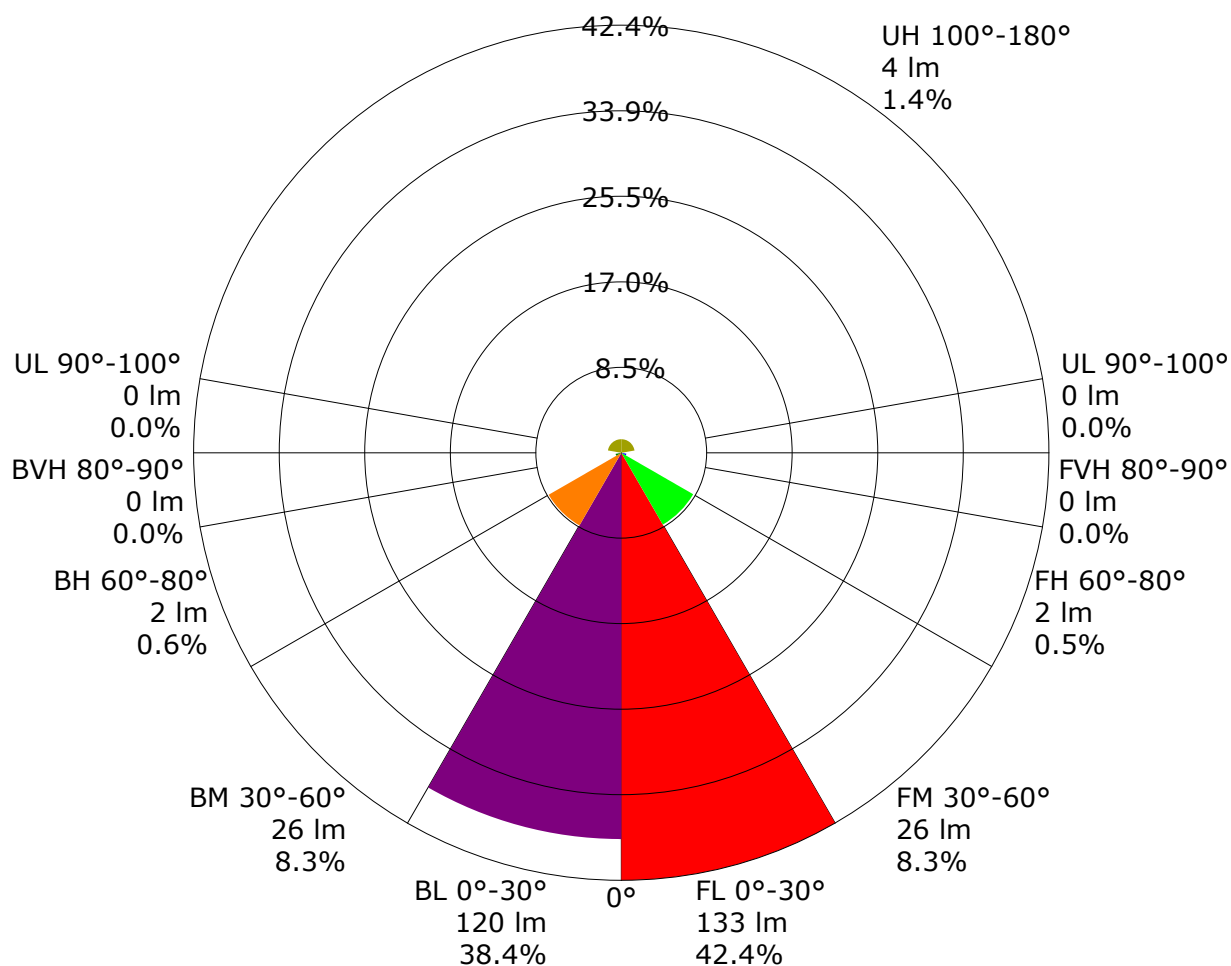


BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U1 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U1 G0

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

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

## LCS Graph



**Forward Light**

Scale= MAX LCS%

Trapped Light:NA,NA

**Back Light**

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:



## Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 0.50									
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	0.91	0.97	1.01	1.03	1.07	1.09	1.11	1.13	1.15	
	0.30		0.87	0.93	0.97	1.00	1.04	1.06	1.08	1.11	1.13	
	0.20		0.84	0.89	0.94	0.97	1.01	1.04	1.06	1.09	1.11	
0.50	0.50	0.20	0.90	0.95	0.98	1.01	1.04	1.06	1.07	1.09	1.10	
	0.30		0.86	0.91	0.95	0.98	1.01	1.04	1.05	1.07	1.09	
	0.20		0.83	0.89	0.92	0.95	0.99	1.01	1.03	1.06	1.07	
0.30	0.50	0.20	0.88	0.93	0.96	0.98	1.01	1.03	1.04	1.05	1.06	
	0.30		0.85	0.90	0.93	0.96	0.99	1.01	1.02	1.04	1.05	
	0.20		0.83	0.88	0.91	0.94	0.97	0.99	1.01	1.03	1.04	
0.00	0.00	0.00	0.81	0.86	0.89	0.91	0.94	0.95	0.96	0.98	0.99	
<p>Rating:4W 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	0.54	0.44	0.37	0.32	0.26	0.21	0.18	0.14	0.11	
	0.30		0.45	0.38	0.33	0.29	0.23	0.19	0.17	0.13	0.11	
	0.20		0.39	0.33	0.29	0.26	0.21	0.18	0.16	0.12	0.10	
0.50	0.50	0.20	0.51	0.41	0.35	0.30	0.23	0.24	0.16	0.13	0.10	
	0.30		0.43	0.36	0.31	0.27	0.21	0.18	0.15	0.12	0.10	
	0.20		0.38	0.32	0.27	0.24	0.20	0.17	0.14	0.11	0.09	
0.30	0.50	0.20	0.49	0.39	0.32	0.28	0.21	0.18	0.15	0.11	0.09	
	0.30		0.42	0.34	0.29	0.25	0.20	0.17	0.14	0.11	0.09	
	0.20		0.36	0.30	0.26	0.23	0.18	0.15	0.13	0.10	0.09	
0.00	0.00	0.00	0.22	0.17	0.14	0.12	0.09	0.07	0.06	0.05	0.04	
Rating:4W 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:

## 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	0.14	0.16	0.17	0.18	0.20	0.21	0.21	0.22	0.23	
	0.30		0.11	0.13	0.14	0.15	0.17	0.19	0.19	0.21	0.22	
	0.20		0.08	0.10	0.12	0.13	0.15	0.17	0.18	0.19	0.20	
0.50	0.50	0.20	0.14	0.15	0.17	0.18	0.19	0.20	0.21	0.21	0.22	
	0.30		0.10	0.12	0.14	0.15	0.17	0.18	0.19	0.20	0.21	
	0.20		0.08	0.10	0.11	0.13	0.15	0.16	0.17	0.19	0.20	
0.30	0.50	0.20	0.13	0.15	0.16	0.17	0.18	0.19	0.20	0.21	0.21	
	0.30		0.10	0.12	0.13	0.15	0.16	0.17	0.18	0.19	0.20	
	0.20		0.08	0.10	0.11	0.13	0.14	0.16	0.17	0.18	0.19	
0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
<p>Rating:4W 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	1554.2	0.4	0.4	0.12	0.12
0.5-1.0	1551.9	1.1	1.5	0.36	0.47
1.0-1.5	1547.2	1.9	3.3	0.59	1.07
1.5-2.0	1539.7	2.6	5.9	0.82	1.89
2.0-2.5	1527.1	3.3	9.2	1.05	2.94
2.5-3.0	1509.1	4.0	13.2	1.27	4.21
3.0-3.5	1486.4	4.6	17.8	1.48	5.68
3.5-4.0	1458.1	5.2	23.0	1.67	7.36
4.0-4.5	1423.8	5.8	28.8	1.85	9.20
4.5-5.0	1382.4	6.3	35.1	2.01	11.21
5.0-5.5	1334.2	6.7	41.8	2.14	13.35
5.5-6.0	1282.2	7.0	48.8	2.25	15.60
6.0-6.5	1228.3	7.3	56.2	2.34	17.94
6.5-7.0	1172.2	7.6	63.7	2.41	20.36
7.0-7.5	1116.7	7.7	71.4	2.47	22.82
7.5-8.0	1061.9	7.9	79.3	2.51	25.33
8.0-8.5	1007.2	7.9	87.2	2.53	27.86
8.5-9.0	953.7	8.0	95.2	2.54	30.41
9.0-9.5	900.9	7.9	103.1	2.54	32.94
9.5-10.0	848.0	7.9	111.0	2.52	35.46
10.0-10.5	794.7	7.8	118.7	2.48	37.94
10.5-11.0	742.8	7.6	126.3	2.43	40.36
11.0-11.5	691.1	7.4	133.7	2.36	42.73
11.5-12.0	639.6	7.1	140.9	2.28	45.01
12.0-12.5	589.1	6.9	147.7	2.19	47.20
12.5-13.0	540.6	6.5	154.3	2.09	49.29
13.0-13.5	493.7	6.2	160.5	1.98	51.27
13.5-14.0	448.1	5.8	166.3	1.87	53.14
14.0-14.5	407.0	5.5	171.8	1.76	54.89
14.5-15.0	369.2	5.2	177.0	1.65	56.54
15.0-15.5	333.0	4.8	181.8	1.53	58.07
15.5-16.0	300.7	4.5	186.2	1.43	59.50
16.0-16.5	272.9	4.2	190.4	1.34	60.84
16.5-17.0	247.3	3.9	194.3	1.25	62.09
17.0-17.5	224.2	3.6	198.0	1.16	63.25
17.5-18.0	203.6	3.4	201.4	1.09	64.34

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	186.3	3.2	204.6	1.02	65.36
18.5-19.0	171.1	3.0	207.6	0.96	66.33
19.0-19.5	157.5	2.8	210.4	0.91	67.24
19.5-20.0	146.3	2.7	213.1	0.87	68.10
20.0-20.5	136.8	2.6	215.7	0.83	68.93
20.5-21.0	128.0	2.5	218.2	0.79	69.73
21.0-21.5	119.8	2.4	220.6	0.76	70.49
21.5-22.0	111.9	2.3	222.9	0.73	71.21
22.0-22.5	105.4	2.2	225.1	0.70	71.91
22.5-23.0	100.6	2.1	227.2	0.68	72.59
23.0-23.5	95.5	2.1	229.3	0.66	73.25
23.5-24.0	91.0	2.0	231.3	0.64	73.89
24.0-24.5	86.8	2.0	233.2	0.62	74.52
24.5-25.0	82.6	1.9	235.1	0.61	75.13
25.0-25.5	79.5	1.9	237.0	0.59	75.72
25.5-26.0	77.0	1.8	238.8	0.59	76.31
26.0-26.5	74.4	1.8	240.6	0.58	76.88
26.5-27.0	72.0	1.8	242.4	0.57	77.45
27.0-27.5	70.0	1.8	244.2	0.56	78.01
27.5-28.0	68.3	1.7	245.9	0.56	78.57
28.0-28.5	67.3	1.7	247.7	0.56	79.13
28.5-29.0	66.2	1.7	249.4	0.56	79.68
29.0-29.5	64.7	1.7	251.1	0.55	80.24
29.5-30.0	62.4	1.7	252.8	0.54	80.78
30.0-30.5	59.0	1.6	254.5	0.52	81.30
30.5-31.0	56.9	1.6	256.1	0.51	81.81
31.0-31.5	55.2	1.6	257.6	0.50	82.31
31.5-32.0	52.5	1.5	259.1	0.48	82.80
32.0-32.5	50.6	1.5	260.6	0.47	83.27
32.5-33.0	49.2	1.5	262.1	0.47	83.74
33.0-33.5	47.4	1.4	263.5	0.45	84.19
33.5-34.0	45.6	1.4	264.9	0.44	84.63
34.0-34.5	44.3	1.4	266.3	0.44	85.07
34.5-35.0	42.7	1.3	267.6	0.43	85.50
35.0-35.5	41.5	1.3	268.9	0.42	85.92
35.5-36.0	40.6	1.3	270.2	0.42	86.33

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

## Zonal Lumen (Continue 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	38.8	1.3	271.5	0.40	86.73
36.5-37.0	37.1	1.2	272.7	0.39	87.12
37.0-37.5	35.5	1.2	273.9	0.38	87.50
37.5-38.0	34.1	1.1	275.0	0.37	87.87
38.0-38.5	33.6	1.1	276.1	0.36	88.23
38.5-39.0	32.9	1.1	277.3	0.36	88.59
39.0-39.5	31.8	1.1	278.4	0.35	88.94
39.5-40.0	31.1	1.1	279.5	0.35	89.29
40.0-40.5	29.8	1.1	280.5	0.34	89.63
40.5-41.0	28.1	1.0	281.5	0.32	89.95
41.0-41.5	27.3	1.0	282.5	0.31	90.26
41.5-42.0	26.9	1.0	283.5	0.31	90.58
42.0-42.5	26.3	1.0	284.5	0.31	90.89
42.5-43.0	26.0	1.0	285.4	0.31	91.20
43.0-43.5	25.1	0.9	286.4	0.30	91.50
43.5-44.0	23.8	0.9	287.3	0.29	91.79
44.0-44.5	22.9	0.9	288.2	0.28	92.07
44.5-45.0	22.7	0.9	289.0	0.28	92.35
45.0-45.5	22.6	0.9	289.9	0.28	92.63
45.5-46.0	21.3	0.8	290.7	0.27	92.89
46.0-46.5	20.4	0.8	291.6	0.26	93.15
46.5-47.0	19.9	0.8	292.3	0.25	93.41
47.0-47.5	19.6	0.8	293.1	0.25	93.66
47.5-48.0	18.8	0.8	293.9	0.24	93.90
48.0-48.5	17.6	0.7	294.6	0.23	94.13
48.5-49.0	17.1	0.7	295.3	0.23	94.36
49.0-49.5	16.7	0.7	296.0	0.22	94.58
49.5-50.0	15.4	0.6	296.7	0.21	94.79
50.0-50.5	15.2	0.6	297.3	0.21	94.99
50.5-51.0	15.0	0.6	297.9	0.20	95.20
51.0-51.5	14.1	0.6	298.5	0.19	95.39
51.5-52.0	13.6	0.6	299.1	0.19	95.58
52.0-52.5	13.0	0.6	299.7	0.18	95.76
52.5-53.0	12.4	0.5	300.2	0.17	95.93
53.0-53.5	11.1	0.5	300.7	0.16	96.08
53.5-54.0	10.2	0.5	301.2	0.14	96.23

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	9.4	0.4	301.6	0.13	96.36
54.5-55.0	9.0	0.4	302.0	0.13	96.49
55.0-55.5	8.3	0.4	302.4	0.12	96.61
55.5-56.0	7.4	0.3	302.7	0.11	96.72
56.0-56.5	7.3	0.3	303.0	0.11	96.82
56.5-57.0	6.9	0.3	303.4	0.10	96.92
57.0-57.5	6.0	0.3	303.6	0.09	97.01
57.5-58.0	5.7	0.3	303.9	0.08	97.10
58.0-58.5	6.0	0.3	304.2	0.09	97.19
58.5-59.0	5.1	0.2	304.4	0.08	97.26
59.0-59.5	4.1	0.2	304.6	0.06	97.32
59.5-60.0	3.9	0.2	304.8	0.06	97.38
60.0-60.5	4.4	0.2	305.0	0.07	97.45
60.5-61.0	4.6	0.2	305.2	0.07	97.52
61.0-61.5	3.9	0.2	305.4	0.06	97.58
61.5-62.0	3.0	0.1	305.6	0.05	97.63
62.0-62.5	3.1	0.1	305.7	0.05	97.67
62.5-63.0	3.5	0.2	305.9	0.06	97.73
63.0-63.5	3.4	0.2	306.0	0.05	97.78
63.5-64.0	3.2	0.2	306.2	0.05	97.83
64.0-64.5	3.6	0.2	306.4	0.06	97.89
64.5-65.0	3.0	0.1	306.5	0.05	97.94
65.0-65.5	2.1	0.1	306.6	0.03	97.97
65.5-66.0	2.3	0.1	306.7	0.04	98.01
66.0-66.5	1.9	0.1	306.8	0.03	98.04
66.5-67.0	1.3	0.1	306.9	0.02	98.06
67.0-67.5	1.2	0.1	307.0	0.02	98.08
67.5-68.0	1.6	0.1	307.1	0.03	98.11
68.0-68.5	1.6	0.1	307.1	0.03	98.13
68.5-69.0	0.9	0.0	307.2	0.01	98.15
69.0-69.5	1.1	0.1	307.2	0.02	98.16
69.5-70.0	1.5	0.1	307.3	0.03	98.19
70.0-70.5	1.7	0.1	307.4	0.03	98.22
70.5-71.0	1.9	0.1	307.5	0.03	98.25
71.0-71.5	1.4	0.1	307.6	0.02	98.27
71.5-72.0	1.1	0.1	307.6	0.02	98.29

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	1.3	0.1	307.7	0.02	98.31
72.5-73.0	1.3	0.1	307.8	0.02	98.33
73.0-73.5	1.1	0.1	307.8	0.02	98.35
73.5-74.0	0.9	0.0	307.9	0.02	98.37
74.0-74.5	0.8	0.0	307.9	0.01	98.38
74.5-75.0	1.0	0.1	308.0	0.02	98.40
75.0-75.5	1.3	0.1	308.0	0.02	98.42
75.5-76.0	1.0	0.1	308.1	0.02	98.44
76.0-76.5	1.0	0.1	308.1	0.02	98.45
76.5-77.0	1.0	0.1	308.2	0.02	98.47
77.0-77.5	0.7	0.0	308.2	0.01	98.48
77.5-78.0	0.9	0.0	308.3	0.02	98.50
78.0-78.5	0.7	0.0	308.3	0.01	98.51
78.5-79.0	0.4	0.0	308.3	0.01	98.52
79.0-79.5	0.2	0.0	308.4	0.00	98.52
79.5-80.0	0.2	0.0	308.4	0.00	98.52
80.0-80.5	0.4	0.0	308.4	0.01	98.53
80.5-81.0	0.3	0.0	308.4	0.01	98.54
81.0-81.5	0.3	0.0	308.4	0.00	98.54
81.5-82.0	0.2	0.0	308.4	0.00	98.55
82.0-82.5	0.2	0.0	308.4	0.00	98.55
82.5-83.0	0.2	0.0	308.5	0.00	98.55
83.0-83.5	0.2	0.0	308.5	0.00	98.56
83.5-84.0	0.2	0.0	308.5	0.00	98.56
84.0-84.5	0.3	0.0	308.5	0.00	98.57
84.5-85.0	0.3	0.0	308.5	0.01	98.57
85.0-85.5	0.3	0.0	308.5	0.01	98.58
85.5-86.0	0.2	0.0	308.5	0.00	98.58
86.0-86.5	0.1	0.0	308.5	0.00	98.58
86.5-87.0	0.1	0.0	308.6	0.00	98.58
87.0-87.5	0.2	0.0	308.6	0.00	98.59
87.5-88.0	0.1	0.0	308.6	0.00	98.59
88.0-88.5	0.1	0.0	308.6	0.00	98.59
88.5-89.0	0.1	0.0	308.6	0.00	98.59
89.0-89.5	0.2	0.0	308.6	0.00	98.60
89.5-90.0	0.1	0.0	308.6	0.00	98.60

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	0.1	0.0	308.6	0.00	98.60
90.5-91.0	0.1	0.0	308.6	0.00	98.60
91.0-91.5	0.0	0.0	308.6	0.00	98.60
91.5-92.0	0.0	0.0	308.6	0.00	98.60
92.0-92.5	0.0	0.0	308.6	0.00	98.60
92.5-93.0	0.1	0.0	308.6	0.00	98.61
93.0-93.5	0.2	0.0	308.6	0.00	98.61
93.5-94.0	0.1	0.0	308.6	0.00	98.61
94.0-94.5	0.2	0.0	308.6	0.00	98.61
94.5-95.0	0.1	0.0	308.6	0.00	98.62
95.0-95.5	0.1	0.0	308.7	0.00	98.62
95.5-96.0	0.1	0.0	308.7	0.00	98.62
96.0-96.5	0.2	0.0	308.7	0.00	98.62
96.5-97.0	0.2	0.0	308.7	0.00	98.63
97.0-97.5	0.2	0.0	308.7	0.00	98.63
97.5-98.0	0.1	0.0	308.7	0.00	98.63
98.0-98.5	0.1	0.0	308.7	0.00	98.63
98.5-99.0	0.1	0.0	308.7	0.00	98.64
99.0-99.5	0.2	0.0	308.7	0.00	98.64
99.5-100.0	0.3	0.0	308.7	0.01	98.64
100.0-100.5	0.3	0.0	308.8	0.00	98.65
100.5-101.0	0.2	0.0	308.8	0.00	98.65
101.0-101.5	0.4	0.0	308.8	0.01	98.66
101.5-102.0	0.4	0.0	308.8	0.01	98.66
102.0-102.5	0.2	0.0	308.8	0.00	98.67
102.5-103.0	0.2	0.0	308.8	0.00	98.67
103.0-103.5	0.5	0.0	308.9	0.01	98.68
103.5-104.0	0.5	0.0	308.9	0.01	98.69
104.0-104.5	0.5	0.0	308.9	0.01	98.70
104.5-105.0	0.7	0.0	308.9	0.01	98.71
105.0-105.5	0.7	0.0	309.0	0.01	98.72
105.5-106.0	0.9	0.0	309.0	0.02	98.74
106.0-106.5	1.0	0.1	309.1	0.02	98.76
106.5-107.0	1.0	0.1	309.1	0.02	98.77
107.0-107.5	0.8	0.0	309.2	0.01	98.79
107.5-108.0	1.0	0.1	309.2	0.02	98.80

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	1.4	0.1	309.3	0.02	98.83
108.5-109.0	1.5	0.1	309.4	0.03	98.85
109.0-109.5	1.4	0.1	309.5	0.02	98.87
109.5-110.0	1.6	0.1	309.5	0.03	98.90
110.0-110.5	1.8	0.1	309.6	0.03	98.93
110.5-111.0	1.8	0.1	309.7	0.03	98.96
111.0-111.5	1.6	0.1	309.8	0.03	98.99
111.5-112.0	1.3	0.1	309.9	0.02	99.01
112.0-112.5	1.6	0.1	310.0	0.03	99.03
112.5-113.0	2.0	0.1	310.1	0.03	99.07
113.0-113.5	2.2	0.1	310.2	0.04	99.10
113.5-114.0	1.8	0.1	310.3	0.03	99.13
114.0-114.5	1.3	0.1	310.3	0.02	99.15
114.5-115.0	1.5	0.1	310.4	0.02	99.18
115.0-115.5	1.8	0.1	310.5	0.03	99.21
115.5-116.0	1.7	0.1	310.6	0.03	99.23
116.0-116.5	1.4	0.1	310.6	0.02	99.25
116.5-117.0	0.9	0.0	310.7	0.01	99.27
117.0-117.5	0.5	0.0	310.7	0.01	99.28
117.5-118.0	0.6	0.0	310.7	0.01	99.29
118.0-118.5	0.9	0.0	310.8	0.01	99.30
118.5-119.0	0.9	0.0	310.8	0.01	99.31
119.0-119.5	0.7	0.0	310.9	0.01	99.32
119.5-120.0	0.3	0.0	310.9	0.01	99.33
120.0-120.5	0.1	0.0	310.9	0.00	99.33
120.5-121.0	0.2	0.0	310.9	0.00	99.33
121.0-121.5	0.2	0.0	310.9	0.00	99.34
121.5-122.0	0.2	0.0	310.9	0.00	99.34
122.0-122.5	0.2	0.0	310.9	0.00	99.34
122.5-123.0	0.3	0.0	310.9	0.00	99.35
123.0-123.5	0.4	0.0	311.0	0.01	99.35
123.5-124.0	0.4	0.0	311.0	0.01	99.36
124.0-124.5	0.3	0.0	311.0	0.00	99.36
124.5-125.0	0.3	0.0	311.0	0.00	99.37
125.0-125.5	0.4	0.0	311.0	0.01	99.37
125.5-126.0	0.3	0.0	311.0	0.00	99.38

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

## Zonal Lumen (Continue 7)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
126.0-126.5	0.3	0.0	311.0	0.00	99.38
126.5-127.0	0.3	0.0	311.1	0.00	99.38
127.0-127.5	0.3	0.0	311.1	0.00	99.39
127.5-128.0	0.2	0.0	311.1	0.00	99.39
128.0-128.5	0.2	0.0	311.1	0.00	99.39
128.5-129.0	0.2	0.0	311.1	0.00	99.40
129.0-129.5	0.1	0.0	311.1	0.00	99.40
129.5-130.0	0.2	0.0	311.1	0.00	99.40
130.0-130.5	0.3	0.0	311.1	0.00	99.40
130.5-131.0	0.3	0.0	311.1	0.00	99.41
131.0-131.5	0.3	0.0	311.1	0.00	99.41
131.5-132.0	0.4	0.0	311.2	0.00	99.42
132.0-132.5	0.3	0.0	311.2	0.00	99.42
132.5-133.0	0.2	0.0	311.2	0.00	99.42
133.0-133.5	0.2	0.0	311.2	0.00	99.43
133.5-134.0	0.3	0.0	311.2	0.00	99.43
134.0-134.5	0.2	0.0	311.2	0.00	99.43
134.5-135.0	0.2	0.0	311.2	0.00	99.43
135.0-135.5	0.3	0.0	311.2	0.00	99.44
135.5-136.0	0.3	0.0	311.2	0.00	99.44
136.0-136.5	0.3	0.0	311.2	0.00	99.44
136.5-137.0	0.4	0.0	311.3	0.01	99.45
137.0-137.5	0.4	0.0	311.3	0.00	99.45
137.5-138.0	0.1	0.0	311.3	0.00	99.46
138.0-138.5	0.2	0.0	311.3	0.00	99.46
138.5-139.0	0.3	0.0	311.3	0.00	99.46
139.0-139.5	0.3	0.0	311.3	0.00	99.47
139.5-140.0	0.3	0.0	311.3	0.00	99.47
140.0-140.5	0.5	0.0	311.3	0.01	99.47
140.5-141.0	0.4	0.0	311.4	0.00	99.48
141.0-141.5	0.4	0.0	311.4	0.00	99.48
141.5-142.0	0.5	0.0	311.4	0.01	99.49
142.0-142.5	0.5	0.0	311.4	0.01	99.49
142.5-143.0	0.5	0.0	311.4	0.00	99.50
143.0-143.5	0.3	0.0	311.4	0.00	99.50
143.5-144.0	0.3	0.0	311.4	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 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	0.5	0.0	311.4	0.01	99.51
144.5-145.0	0.4	0.0	311.5	0.00	99.51
145.0-145.5	0.7	0.0	311.5	0.01	99.52
145.5-146.0	0.8	0.0	311.5	0.01	99.53
146.0-146.5	0.6	0.0	311.5	0.01	99.53
146.5-147.0	0.4	0.0	311.5	0.00	99.54
147.0-147.5	0.5	0.0	311.6	0.00	99.54
147.5-148.0	0.7	0.0	311.6	0.01	99.55
148.0-148.5	0.8	0.0	311.6	0.01	99.56
148.5-149.0	0.5	0.0	311.6	0.00	99.56
149.0-149.5	0.6	0.0	311.6	0.00	99.57
149.5-150.0	0.7	0.0	311.6	0.01	99.57
150.0-150.5	0.8	0.0	311.7	0.01	99.58
150.5-151.0	1.0	0.0	311.7	0.01	99.59
151.0-151.5	0.9	0.0	311.7	0.01	99.60
151.5-152.0	0.8	0.0	311.7	0.01	99.60
152.0-152.5	0.7	0.0	311.8	0.01	99.61
152.5-153.0	0.9	0.0	311.8	0.01	99.62
153.0-153.5	1.4	0.0	311.8	0.01	99.63
153.5-154.0	1.4	0.0	311.8	0.01	99.64
154.0-154.5	1.0	0.0	311.9	0.01	99.64
154.5-155.0	1.2	0.0	311.9	0.01	99.65
155.0-155.5	1.5	0.0	311.9	0.01	99.66
155.5-156.0	1.6	0.0	312.0	0.01	99.68
156.0-156.5	1.6	0.0	312.0	0.01	99.69
156.5-157.0	1.4	0.0	312.0	0.01	99.70
157.0-157.5	1.6	0.0	312.1	0.01	99.71
157.5-158.0	2.1	0.0	312.1	0.01	99.72
158.0-158.5	1.9	0.0	312.2	0.01	99.73
158.5-159.0	1.7	0.0	312.2	0.01	99.74
159.0-159.5	2.1	0.0	312.2	0.01	99.76
159.5-160.0	1.9	0.0	312.3	0.01	99.77
160.0-160.5	1.5	0.0	312.3	0.01	99.78
160.5-161.0	1.7	0.0	312.3	0.01	99.79
161.0-161.5	1.6	0.0	312.3	0.01	99.80
161.5-162.0	1.4	0.0	312.4	0.01	99.80

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	2.1	0.0	312.4	0.01	99.82
162.5-163.0	2.1	0.0	312.4	0.01	99.83
163.0-163.5	1.7	0.0	312.5	0.01	99.83
163.5-164.0	2.0	0.0	312.5	0.01	99.84
164.0-164.5	1.6	0.0	312.5	0.01	99.85
164.5-165.0	2.0	0.0	312.5	0.01	99.86
165.0-165.5	2.6	0.0	312.6	0.01	99.87
165.5-166.0	2.2	0.0	312.6	0.01	99.88
166.0-166.5	1.7	0.0	312.6	0.01	99.89
166.5-167.0	1.6	0.0	312.7	0.01	99.90
167.0-167.5	2.0	0.0	312.7	0.01	99.90
167.5-168.0	2.4	0.0	312.7	0.01	99.91
168.0-168.5	2.3	0.0	312.7	0.01	99.92
168.5-169.0	1.9	0.0	312.8	0.01	99.93
169.0-169.5	2.2	0.0	312.8	0.01	99.93
169.5-170.0	2.0	0.0	312.8	0.01	99.94
170.0-170.5	1.6	0.0	312.8	0.00	99.95
170.5-171.0	2.0	0.0	312.8	0.01	99.95
171.0-171.5	2.4	0.0	312.8	0.01	99.96
171.5-172.0	1.8	0.0	312.9	0.00	99.96
172.0-172.5	1.7	0.0	312.9	0.00	99.97
172.5-173.0	2.3	0.0	312.9	0.01	99.97
173.0-173.5	1.8	0.0	312.9	0.00	99.97
173.5-174.0	1.6	0.0	312.9	0.00	99.98
174.0-174.5	1.8	0.0	312.9	0.00	99.98
174.5-175.0	1.7	0.0	312.9	0.00	99.98
175.0-175.5	2.2	0.0	312.9	0.00	99.99
175.5-176.0	2.2	0.0	313.0	0.00	99.99
176.0-176.5	1.9	0.0	313.0	0.00	99.99
176.5-177.0	1.8	0.0	313.0	0.00	99.99
177.0-177.5	2.3	0.0	313.0	0.00	100.00
177.5-178.0	2.4	0.0	313.0	0.00	100.00
178.0-178.5	2.0	0.0	313.0	0.00	100.00
178.5-179.0	2.0	0.0	313.0	0.00	100.00
179.0-179.5	2.7	0.0	313.0	0.00	100.00
179.5-180.0	2.6	0.0	313.0	0.00	100.00

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

## Candlepower Table

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G0.0	1565.0	1546.6	1549.6	1558.1	1565.0	1546.6	1549.6	1558.1	1565.0	
G0.5	1552.8	1541.7	1552.1	1563.7	1574.1	1554.0	1540.9	1549.6	1552.8	
G1.0	1538.8	1540.6	1549.1	1567.8	1580.8	1549.6	1534.3	1539.9	1538.8	
G1.5	1521.9	1533.8	1553.6	1566.2	1583.5	1544.8	1523.2	1527.7	1521.9	
G2.0	1499.6	1521.0	1552.4	1571.0	1583.0	1534.1	1509.2	1509.7	1499.6	
G2.5	1468.7	1506.2	1546.8	1567.2	1575.2	1522.3	1482.8	1483.9	1468.7	
G3.0	1438.5	1484.4	1537.8	1564.6	1567.8	1494.4	1453.7	1451.4	1438.5	
G3.5	1394.7	1459.3	1524.1	1560.0	1553.8	1466.6	1417.0	1413.8	1394.7	
G4.0	1347.0	1434.5	1504.6	1542.8	1532.4	1439.4	1376.0	1362.9	1347.0	
G4.5	1292.1	1395.0	1478.4	1523.0	1506.2	1401.3	1327.7	1317.4	1292.1	
G5.0	1232.1	1342.0	1443.3	1497.7	1476.2	1360.5	1275.0	1250.9	1232.1	
G5.5	1171.1	1283.5	1393.2	1455.0	1442.1	1310.8	1221.2	1192.4	1171.1	
G6.0	1111.2	1227.5	1349.9	1414.3	1395.5	1252.7	1162.1	1133.5	1111.2	
G6.5	1056.2	1169.4	1290.4	1361.3	1339.4	1206.4	1106.6	1077.1	1056.2	
G7.0	1002.2	1115.4	1234.7	1301.5	1274.3	1148.1	1052.5	1020.6	1002.2	
G7.5	947.3	1070.3	1184.6	1241.3	1215.5	1093.2	1001.0	964.8	947.3	
G8.0	897.6	1011.3	1129.5	1182.0	1160.1	1042.0	947.1	902.6	897.6	
G8.5	835.4	959.9	1080.3	1126.5	1107.8	987.0	892.9	853.4	835.4	
G9.0	780.3	909.0	1030.7	1072.7	1059.8	933.2	839.1	790.9	780.3	
G9.5	725.4	857.6	980.2	1020.6	1011.8	881.9	785.7	735.6	725.4	
G10.0	672.1	812.4	926.6	969.6	957.4	822.6	726.4	682.6	672.1	
G10.5	620.7	752.8	873.1	918.7	906.7	776.4	673.9	622.9	620.7	
G11.0	570.6	699.6	818.6	867.3	860.6	718.1	626.0	579.0	570.6	
G11.5	522.0	645.3	764.8	815.8	801.0	667.0	570.8	530.5	522.0	
G12.0	474.8	593.9	709.7	762.9	748.4	616.9	523.4	486.4	474.8	
G12.5	429.7	539.9	650.3	708.0	695.5	568.3	478.6	438.2	429.7	
G13.0	390.2	493.4	594.4	650.4	643.6	527.6	436.6	404.7	390.2	
G13.5	351.4	447.3	540.0	590.3	590.8	477.2	399.0	362.6	351.4	
G14.0	310.5	404.5	488.6	534.9	542.8	437.7	363.5	329.3	310.5	
G14.5	285.1	366.4	439.8	486.6	495.6	396.7	327.7	302.1	285.1	
G15.0	257.8	331.9	395.2	433.5	449.6	360.4	301.5	277.5	257.8	
G15.5	227.9	294.8	354.0	387.5	410.1	326.6	272.2	248.2	227.9	
G16.0	207.3	271.9	317.2	348.2	371.7	298.3	248.9	226.8	207.3	
G16.5	189.3	246.4	284.3	311.5	333.6	271.4	228.5	210.6	189.3	
G17.0	173.4	218.8	255.1	279.2	304.4	247.7	209.6	193.5	173.4	
G17.5	159.7	204.6	228.4	249.9	270.0	221.7	193.1	178.2	159.7	
G18.0	151.4	182.2	207.2	224.8	244.2	203.2	178.5	160.8	151.4	

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	137.1	167.4	190.2	204.5	224.8	189.9	165.4	148.9	137.1	
G19.0	127.7	154.3	174.1	186.0	202.1	172.5	153.5	138.3	127.7	
G19.5	123.7	142.6	160.1	168.7	185.1	159.5	142.1	129.0	123.7	
G20.0	112.7	136.4	147.8	154.9	172.9	150.9	133.8	120.7	112.7	
G20.5	106.6	128.3	137.1	144.5	159.7	140.4	125.7	116.5	106.6	
G21.0	105.1	115.8	127.8	132.4	147.9	130.9	118.2	110.6	105.1	
G21.5	95.7	113.3	118.9	124.2	137.5	122.7	111.5	104.4	95.7	
G22.0	91.2	103.0	111.7	116.6	124.0	111.9	105.0	99.2	91.2	
G22.5	91.3	102.0	107.2	109.9	116.1	105.8	99.5	91.3	91.3	
G23.0	83.6	97.2	101.9	104.1	113.7	100.3	95.0	90.2	83.6	
G23.5	80.3	88.1	95.1	98.9	107.4	95.3	90.6	86.3	80.3	
G24.0	80.8	88.5	90.6	92.1	101.9	90.7	86.4	82.7	80.8	
G24.5	74.6	80.7	86.6	87.8	97.2	86.6	82.2	79.7	74.6	
G25.0	72.0	77.6	83.0	84.0	92.8	82.9	79.8	74.1	72.0	
G25.5	69.8	74.8	82.4	80.6	88.5	79.6	76.0	74.2	69.8	
G26.0	70.8	72.3	79.7	80.1	80.8	76.7	74.0	72.0	70.8	
G26.5	68.9	69.7	74.2	77.8	77.5	76.7	71.8	67.7	68.9	
G27.0	67.5	67.4	74.6	75.2	74.6	71.5	69.1	68.6	67.5	
G27.5	66.3	65.4	69.1	73.0	72.0	72.0	68.0	65.5	66.3	
G28.0	62.8	63.4	70.2	67.7	73.8	67.8	68.5	66.8	62.8	
G28.5	64.3	61.9	65.2	68.8	71.6	69.5	67.8	66.0	64.3	
G29.0	60.3	64.8	67.2	66.9	69.9	65.6	66.8	62.6	60.3	
G29.5	57.6	63.3	65.5	65.4	68.6	66.5	64.7	60.2	57.6	
G30.0	56.3	61.1	60.0	60.5	67.1	62.4	60.3	58.7	56.3	
G30.5	52.1	54.1	57.7	58.8	60.8	60.2	58.8	55.5	52.1	
G31.0	51.3	51.7	59.4	56.5	63.3	60.5	56.4	52.8	51.3	
G31.5	48.0	53.5	57.6	54.0	56.2	56.5	54.3	50.7	48.0	
G32.0	46.5	51.7	51.7	51.6	53.8	54.2	50.3	48.9	46.5	
G32.5	46.2	45.7	49.6	53.5	55.8	53.4	50.2	47.3	46.2	
G33.0	44.8	44.2	47.5	51.7	53.8	50.8	48.3	45.0	44.8	
G33.5	43.3	46.8	49.8	46.0	47.7	46.7	46.6	44.7	43.3	
G34.0	42.0	41.3	48.0	44.3	50.5	46.4	42.8	42.4	42.0	
G34.5	40.5	39.9	46.4	46.7	48.9	44.7	43.2	40.9	40.5	
G35.0	39.0	38.6	40.6	45.2	47.2	41.9	39.4	39.9	39.0	
G35.5	37.7	41.2	43.8	43.8	45.6	41.7	40.3	38.3	37.7	
G36.0	36.3	40.1	42.6	38.2	44.0	40.3	39.0	36.9	36.3	
G36.5	35.5	35.1	36.8	41.2	42.7	38.9	37.7	35.5	35.5	

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 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	33.9	37.7	35.3	39.9	37.1	37.7	34.3	34.3	33.9	
G37.5	33.6	36.5	34.0	34.4	35.9	36.5	33.2	33.3	33.6	
G38.0	31.4	31.6	37.2	33.3	34.9	35.1	32.1	32.4	31.4	
G38.5	30.5	34.0	31.6	36.6	37.9	34.2	33.3	31.6	30.5	
G39.0	29.6	29.4	30.4	35.6	36.8	32.7	32.3	30.2	29.6	
G39.5	28.5	28.3	33.8	34.6	35.9	32.1	29.0	29.3	28.5	
G40.0	29.3	27.3	32.7	33.6	35.0	31.2	28.1	28.5	29.3	
G40.5	26.8	26.4	27.2	28.2	34.0	30.3	29.7	27.6	26.8	
G41.0	27.6	25.5	26.2	27.4	29.5	29.7	26.7	26.9	27.6	
G41.5	25.0	24.7	29.5	26.5	28.8	29.1	25.9	27.4	25.0	
G42.0	24.2	23.9	28.6	30.0	28.0	28.2	25.2	25.2	24.2	
G42.5	23.3	26.2	27.7	24.7	27.2	27.4	24.4	25.8	23.3	
G43.0	22.7	25.4	26.9	28.3	29.7	26.6	25.8	23.4	22.7	
G43.5	24.4	21.7	22.0	23.0	28.8	25.9	23.0	24.6	24.4	
G44.0	23.9	21.0	21.3	22.2	28.0	25.2	24.6	21.7	23.9	
G44.5	20.5	20.4	24.5	21.5	24.2	24.5	21.6	21.1	20.5	
G45.0	22.6	22.3	23.8	20.8	23.7	24.8	23.3	22.8	22.6	
G45.5	19.0	21.6	23.1	24.4	23.2	24.3	22.6	19.5	19.0	
G46.0	21.2	20.9	18.6	19.3	22.7	22.3	19.8	18.9	21.2	
G46.5	20.6	17.5	21.5	18.6	22.1	22.9	21.0	18.1	20.6	
G47.0	19.9	17.0	17.3	17.8	23.8	20.6	20.3	20.2	19.9	
G47.5	19.3	18.6	20.0	21.5	22.9	19.9	17.9	16.8	19.3	
G48.0	18.5	17.7	15.8	16.3	20.1	20.8	19.1	16.1	18.5	
G48.5	17.8	14.9	15.3	15.6	19.4	20.2	18.6	15.4	17.8	
G49.0	17.1	16.4	14.6	19.4	18.9	17.6	18.0	14.7	17.1	
G49.5	16.5	13.4	16.9	14.4	20.0	17.1	17.4	13.9	16.5	
G50.0	12.1	14.8	13.2	13.6	17.8	16.5	15.3	13.3	12.1	
G50.5	15.0	14.1	15.4	17.2	17.3	15.9	16.1	16.3	15.0	
G51.0	14.3	13.1	11.7	16.5	16.6	15.2	14.1	11.8	14.3	
G51.5	13.7	10.8	13.9	15.6	15.9	17.0	14.9	11.1	13.7	
G52.0	9.0	11.8	13.2	14.8	15.9	16.2	13.2	10.4	9.0	
G52.5	12.3	11.0	12.3	9.9	15.0	15.9	13.7	13.7	12.3	
G53.0	11.6	9.1	9.4	13.3	14.0	15.4	12.8	8.5	11.6	
G53.5	6.9	8.6	11.1	8.6	13.5	11.6	10.8	11.9	6.9	
G54.0	10.4	9.1	8.0	12.0	12.8	10.7	10.7	6.8	10.4	
G54.5	9.9	7.6	7.7	7.0	11.8	9.4	10.0	6.2	9.9	
G55.0	9.5	7.2	9.4	10.8	11.0	11.4	9.4	5.6	9.5	

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 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	4.8	7.6	8.7	6.0	10.0	7.4	8.9	5.1	4.8	
G56.0	8.7	7.3	6.4	5.3	9.0	10.2	8.1	4.6	8.7	
G56.5	4.0	6.0	7.9	5.1	8.6	9.5	7.8	8.7	4.0	
G57.0	3.7	6.2	5.4	4.6	8.1	9.2	7.3	8.4	3.7	
G57.5	3.3	5.4	5.3	4.3	6.0	8.8	7.0	3.5	3.3	
G58.0	3.1	5.7	6.6	7.9	5.7	8.4	6.7	3.3	3.1	
G58.5	7.1	4.8	4.4	7.5	6.9	4.2	6.3	7.4	7.1	
G59.0	2.4	4.6	5.8	3.3	4.6	3.8	5.6	2.7	2.4	
G59.5	2.2	4.3	5.5	3.0	6.5	3.4	5.2	2.5	2.2	
G60.0	1.9	4.1	3.7	6.6	4.0	3.0	4.7	2.3	1.9	
G60.5	6.1	3.9	3.6	6.4	5.9	6.9	4.5	2.1	6.1	
G61.0	6.0	3.8	3.3	2.2	5.9	6.7	4.2	1.9	6.0	
G61.5	5.8	3.5	3.1	1.9	5.8	2.2	5.0	1.7	5.8	
G62.0	1.1	3.3	4.0	1.5	2.6	1.9	3.5	1.5	1.1	
G62.5	5.4	3.0	2.8	5.4	2.3	6.0	3.2	1.2	5.4	
G63.0	0.8	3.0	3.5	1.3	5.2	5.8	2.6	5.2	0.8	
G63.5	5.0	2.6	2.4	0.9	5.2	1.2	4.4	5.0	5.0	
G64.0	0.5	2.7	3.1	0.9	5.0	5.4	2.3	4.6	0.5	
G64.5	4.6	2.2	2.9	4.7	4.9	5.2	4.1	4.6	4.6	
G65.0	0.2	2.0	2.0	0.4	1.0	0.6	4.0	4.3	0.2	
G65.5	4.3	1.8	1.9	4.3	4.6	0.4	1.5	0.6	4.3	
G66.0	0.0	2.3	2.3	0.3	0.5	4.7	3.8	4.0	0.0	
G66.5	0.0	1.5	2.1	3.9	0.4	0.1	3.8	0.6	0.0	
G67.0	0.0	2.1	1.6	0.1	0.2	0.0	0.8	3.6	0.0	
G67.5	3.8	1.2	1.5	3.8	0.0	0.0	0.7	0.5	3.8	
G68.0	0.0	1.1	1.4	3.8	4.2	0.0	0.5	3.3	0.0	
G68.5	3.4	1.8	1.5	0.0	4.1	0.0	0.3	0.5	3.4	
G69.0	0.0	0.8	1.3	0.0	0.0	0.0	0.2	0.5	0.0	
G69.5	0.0	1.7	1.2	0.0	3.9	3.7	3.3	0.4	0.0	
G70.0	0.0	1.6	1.1	3.4	0.0	3.6	0.0	0.5	0.0	
G70.5	3.1	1.5	1.0	3.3	3.8	0.0	3.2	0.5	3.1	
G71.0	3.0	1.5	1.0	0.0	0.0	3.3	3.1	2.4	3.0	
G71.5	2.7	1.5	0.9	0.0	0.0	0.0	3.0	0.5	2.7	
G72.0	2.8	0.3	0.6	0.0	3.6	0.0	0.0	2.2	2.8	
G72.5	2.7	1.4	0.8	0.0	0.0	3.0	3.0	0.5	2.7	
G73.0	0.0	0.1	0.8	3.0	0.0	0.0	2.9	2.0	0.0	
G73.5	0.0	0.0	0.3	2.9	3.3	0.0	0.0	1.8	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 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	2.3	0.0	0.7	2.8	0.0	0.0	0.0	0.4	2.3	
G74.5	2.0	1.1	0.6	0.0	0.0	0.0	2.7	0.3	2.0	
G75.0	0.0	1.0	0.6	2.6	3.0	0.0	2.6	0.2	0.0	
G75.5	1.9	0.0	0.0	2.5	2.9	2.1	0.0	1.0	1.9	
G76.0	0.0	0.0	0.0	2.5	0.0	0.0	2.5	0.1	0.0	
G76.5	1.6	0.8	0.0	2.4	2.6	1.5	2.4	0.1	1.6	
G77.0	1.5	0.8	0.0	0.0	0.0	1.6	0.0	0.5	1.5	
G77.5	0.0	0.7	0.0	2.3	2.4	1.4	0.0	0.3	0.0	
G78.0	1.2	0.0	0.3	2.2	2.2	1.1	0.0	0.2	1.2	
G78.5	0.0	0.4	0.1	0.0	2.1	1.1	0.0	0.0	0.0	
G79.0	0.0	0.0	0.2	0.0	1.7	0.9	0.0	0.0	0.0	
G79.5	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	
G80.0	0.6	0.0	0.0	0.0	0.0	0.6	1.9	0.0	0.6	
G80.5	0.0	0.0	0.0	0.0	1.3	0.0	1.9	0.0	0.0	
G81.0	0.3	0.3	0.0	0.0	1.3	0.3	0.0	0.0	0.3	
G81.5	0.2	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.2	
G82.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	
G82.5	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	
G83.0	0.0	0.0	0.0	0.0	0.7	0.0	1.5	0.0	0.0	
G83.5	0.0	0.1	0.0	0.0	0.0	0.0	1.4	0.0	0.0	
G84.0	0.0	0.0	0.1	1.6	0.0	0.0	0.0	0.0	0.0	
G84.5	0.0	0.0	0.0	1.5	0.0	0.0	1.2	0.0	0.0	
G85.0	0.0	0.0	0.0	1.3	0.1	0.0	1.1	0.0	0.0	
G85.5	0.0	0.0	0.1	1.5	0.0	0.0	1.0	0.0	0.0	
G86.0	0.0	0.0	0.1	0.0	0.0	0.0	0.9	0.0	0.0	
G86.5	0.0	0.0	0.1	1.1	0.0	0.0	0.0	0.0	0.0	
G87.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	
G87.5	0.0	0.0	0.1	1.2	0.0	0.0	0.6	0.0	0.0	
G88.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	
G88.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	
G89.0	0.0	0.0	0.1	1.1	0.0	0.0	0.0	0.0	0.0	
G89.5	0.0	0.0	0.0	1.1	0.0	0.1	0.0	0.0	0.0	
G90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G90.5	0.0	0.0	0.0	1.1	0.0	0.2	0.1	0.0	0.0	
G91.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0	
G91.5	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.1	0.0	
G92.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.1	0.0	

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

## Candlepower Table (Continue 5)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G92.5	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.1	0.0	
G93.0	0.0	0.0	0.3	0.9	0.0	0.5	0.0	0.1	0.0	
G93.5	0.1	0.0	0.0	0.0	0.1	0.4	0.0	0.0	0.1	
G94.0	0.2	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.2	
G94.5	0.3	0.0	0.4	0.0	0.3	0.7	0.0	0.0	0.3	
G95.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	
G95.5	0.4	0.0	0.0	0.7	0.0	0.0	0.0	0.1	0.4	
G96.0	0.0	0.0	0.5	0.0	0.4	0.0	0.0	0.0	0.0	
G96.5	0.6	0.0	0.6	0.0	0.4	0.0	0.0	0.2	0.6	
G97.0	0.0	0.0	0.6	0.0	0.4	0.8	0.0	0.0	0.0	
G97.5	0.8	0.0	0.0	0.0	0.3	0.0	0.0	0.2	0.8	
G98.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	
G98.5	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	
G99.0	0.0	0.0	0.0	0.2	0.4	0.9	0.0	0.0	0.0	
G99.5	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.3	0.0	
G100.0	1.5	0.0	0.6	0.0	0.8	1.0	0.0	0.0	1.5	
G100.5	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	
G101.0	0.0	0.0	0.8	0.0	0.8	1.0	0.0	0.4	0.0	
G101.5	2.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	2.0	
G102.0	2.2	0.0	0.0	0.0	0.8	0.0	0.0	0.4	2.2	
G102.5	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	
G103.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.5	2.6	
G103.5	3.1	0.0	0.0	0.0	1.5	1.0	0.0	0.0	3.1	
G104.0	0.0	0.0	0.9	0.0	0.0	1.0	0.0	0.4	0.0	
G104.5	4.6	0.0	0.0	0.0	0.0	1.0	0.0	0.5	4.6	
G105.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.5	5.3	
G105.5	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	
G106.0	6.6	0.0	1.0	0.0	0.0	1.0	0.0	0.0	6.6	
G106.5	7.1	0.0	1.0	0.0	0.0	0.0	0.1	0.0	7.1	
G107.0	3.0	0.0	0.0	0.0	3.7	1.0	0.0	0.0	3.0	
G107.5	3.4	0.0	1.0	0.0	1.2	0.0	0.0	0.0	3.4	
G108.0	7.9	0.0	0.0	0.0	2.0	0.0	0.0	0.0	7.9	
G108.5	4.0	0.0	1.0	0.0	6.2	1.0	0.3	0.0	4.0	
G109.0	4.2	0.0	0.0	0.0	7.1	0.9	0.0	0.0	4.2	
G109.5	4.5	0.0	0.0	0.0	4.5	0.9	0.5	0.0	4.5	
G110.0	9.0	0.0	0.0	0.0	5.1	0.0	0.5	0.5	9.0	
G110.5	4.3	0.0	0.9	0.0	8.8	0.0	0.0	0.0	4.3	

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 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	8.5	0.0	0.9	0.0	5.5	0.0	0.0	0.0	8.5	
G111.5	3.8	0.0	0.0	0.0	5.5	0.9	0.0	0.0	3.8	
G112.0	3.6	0.0	0.0	0.0	5.8	0.0	0.8	0.8	3.6	
G112.5	7.7	0.0	0.0	0.0	6.3	0.0	0.0	0.8	7.7	
G113.0	7.3	0.0	0.0	0.0	10.2	0.0	0.0	0.0	7.3	
G113.5	6.9	0.0	0.0	0.0	9.9	0.8	0.9	0.0	6.9	
G114.0	2.0	0.0	0.0	0.0	5.9	0.0	0.9	0.8	2.0	
G114.5	1.7	0.0	0.0	0.0	8.9	0.8	0.0	0.0	1.7	
G115.0	6.0	0.0	0.7	0.0	4.9	0.0	1.0	0.8	6.0	
G115.5	6.0	0.0	0.0	0.0	8.0	0.8	0.0	0.0	6.0	
G116.0	1.9	0.0	0.6	0.0	7.4	0.8	1.0	0.0	1.9	
G116.5	6.4	0.0	0.0	0.0	3.0	0.0	0.0	0.9	6.4	
G117.0	2.4	0.0	0.0	0.0	0.0	0.0	1.0	0.9	2.4	
G117.5	2.8	0.0	0.0	0.0	0.6	0.0	1.0	0.0	2.8	
G118.0	3.0	0.0	0.4	0.0	0.6	0.0	1.0	0.9	3.0	
G118.5	6.9	0.0	0.0	0.0	0.6	0.0	0.0	0.9	6.9	
G119.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.9	4.8	
G119.5	3.0	0.0	0.2	0.0	0.6	0.5	1.0	0.0	3.0	
G120.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G120.5	0.8	0.0	0.0	0.0	0.7	0.0	0.9	0.0	0.8	
G121.0	0.0	0.0	0.1	0.0	0.7	0.0	0.0	0.0	0.0	
G121.5	0.0	0.0	0.0	0.0	0.7	0.8	0.7	0.0	0.0	
G122.0	0.7	0.0	0.0	0.1	0.0	0.0	0.0	1.0	0.7	
G122.5	0.0	0.0	0.0	0.1	0.7	0.6	0.8	0.0	0.0	
G123.0	0.0	0.0	0.0	0.1	0.7	0.8	0.0	1.0	0.0	
G123.5	0.6	0.0	0.0	0.2	0.7	0.8	0.7	1.0	0.6	
G124.0	0.5	0.0	0.0	0.3	0.0	0.0	0.0	1.0	0.5	
G124.5	0.5	0.0	0.0	0.3	0.7	0.8	0.0	0.0	0.5	
G125.0	0.5	0.0	0.0	0.3	0.0	0.8	0.0	1.0	0.5	
G125.5	0.4	0.0	0.0	0.3	0.8	0.0	0.5	1.1	0.4	
G126.0	0.4	0.0	0.0	0.4	0.0	0.0	0.0	1.1	0.4	
G126.5	0.0	0.0	0.0	0.0	0.8	0.0	0.4	1.1	0.0	
G127.0	0.3	0.0	0.0	0.0	0.0	0.6	0.0	1.1	0.3	
G127.5	0.3	0.0	0.0	0.0	0.8	0.0	0.1	1.1	0.3	
G128.0	0.2	0.0	0.0	0.6	0.8	0.0	0.0	0.0	0.2	
G128.5	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.1	0.0	
G129.0	0.0	0.0	0.0	0.7	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 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	0.0	0.9	0.0	0.0	0.0	0.0	
G130.0	0.0	0.0	0.0	0.0	0.0	0.8	0.1	1.2	0.0	
G130.5	0.0	0.0	0.0	0.0	0.8	0.8	0.0	1.2	0.0	
G131.0	0.0	0.0	0.0	0.0	1.0	0.9	0.0	0.0	0.0	
G131.5	0.0	0.0	0.0	0.0	0.9	0.9	0.0	1.3	0.0	
G132.0	0.0	0.0	0.0	0.8	0.9	0.0	0.0	1.2	0.0	
G132.5	0.0	0.0	0.0	0.9	0.0	0.9	0.0	0.0	0.0	
G133.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	
G133.5	0.0	0.0	0.0	0.9	0.0	1.0	0.0	0.0	0.0	
G134.0	0.0	0.0	0.0	0.9	0.8	1.0	0.0	0.0	0.0	
G134.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	
G135.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0	
G135.5	0.0	0.0	0.0	1.0	0.0	1.1	0.0	0.0	0.0	
G136.0	0.0	0.0	0.0	0.0	1.1	1.1	0.0	0.0	0.0	
G136.5	0.0	0.0	0.0	0.0	1.1	0.0	0.0	1.4	0.0	
G137.0	0.0	0.0	0.0	1.1	0.9	1.2	0.0	1.4	0.0	
G137.5	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	
G138.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	
G138.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	
G139.0	0.0	0.0	0.0	0.0	1.2	1.3	0.0	1.3	0.0	
G139.5	0.0	0.1	0.0	0.0	0.0	1.3	0.0	0.0	0.0	
G140.0	0.0	0.2	0.0	1.3	1.1	1.4	0.0	0.0	0.0	
G140.5	0.0	0.3	0.1	1.3	0.0	0.0	0.0	1.5	0.0	
G141.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	1.7	0.0	
G141.5	0.0	0.0	0.0	0.0	0.0	1.5	0.0	1.7	0.0	
G142.0	0.0	0.4	0.3	1.4	1.5	1.6	0.0	0.0	0.0	
G142.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	1.8	0.0	
G143.0	0.0	0.0	0.0	0.0	1.4	1.7	0.0	1.9	0.0	
G143.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G144.0	0.0	0.7	0.0	0.0	1.6	1.7	0.0	0.0	0.0	
G144.5	0.0	0.0	0.6	0.0	1.7	1.8	0.1	0.0	0.0	
G145.0	0.0	0.7	0.0	0.0	1.7	0.0	0.0	0.0	0.0	
G145.5	0.0	1.0	0.0	1.5	1.8	1.7	0.0	2.1	0.0	
G146.0	0.0	1.0	0.0	0.0	1.8	0.0	0.3	2.2	0.0	
G146.5	0.0	0.0	0.0	1.8	0.0	2.1	0.0	0.0	0.0	
G147.0	0.1	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.1	
G147.5	0.0	0.0	1.0	0.0	2.0	2.2	0.6	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 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	0.2	0.0	0.9	2.1	0.0	0.0	0.7	2.4	0.2	
G148.5	0.2	0.0	1.1	0.0	2.2	2.2	0.6	0.0	0.2	
G149.0	0.1	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.1	
G149.5	0.4	0.0	1.1	0.0	2.3	2.5	0.0	0.0	0.4	
G150.0	0.5	1.9	1.4	0.0	0.0	0.0	0.9	0.0	0.5	
G150.5	0.3	0.0	0.0	0.0	2.4	2.6	0.0	2.7	0.3	
G151.0	0.6	2.2	0.0	2.4	0.0	2.7	0.0	0.0	0.6	
G151.5	0.7	0.0	0.0	0.0	0.0	2.7	0.0	2.8	0.7	
G152.0	0.6	0.0	0.0	0.0	0.0	2.8	0.0	2.9	0.6	
G152.5	0.9	2.5	1.6	0.0	0.0	0.0	0.0	0.0	0.9	
G153.0	1.0	0.0	1.8	0.0	0.0	2.9	1.4	3.0	1.0	
G153.5	1.0	2.8	1.9	2.9	0.0	3.0	1.4	0.0	1.0	
G154.0	1.1	0.0	2.0	0.0	2.9	3.1	0.2	0.0	1.1	
G154.5	1.2	0.0	2.1	0.0	0.0	3.1	0.2	0.0	1.2	
G155.0	1.3	0.0	0.0	3.1	3.0	0.0	1.6	3.1	1.3	
G155.5	1.4	0.0	0.0	3.2	3.0	0.0	0.3	3.1	1.4	
G156.0	1.5	0.0	2.3	3.3	3.1	0.0	1.6	3.2	1.5	
G156.5	1.5	3.5	0.0	3.4	0.0	0.0	1.7	0.0	1.5	
G157.0	1.6	3.6	0.0	3.5	0.0	3.3	0.4	0.0	1.6	
G157.5	1.7	3.7	0.0	0.0	3.3	0.0	1.8	3.3	1.7	
G158.0	1.7	3.8	2.6	3.7	0.0	3.4	1.8	3.3	1.7	
G158.5	1.8	0.0	2.7	0.0	3.4	0.0	1.9	0.0	1.8	
G159.0	1.9	3.9	0.1	3.8	0.0	3.4	0.7	3.1	1.9	
G159.5	2.0	0.0	2.8	3.9	0.0	3.5	0.7	3.3	2.0	
G160.0	2.0	0.0	2.9	0.0	0.0	3.5	1.9	3.3	2.0	
G160.5	2.0	0.0	0.3	0.0	0.0	3.5	2.0	3.2	2.0	
G161.0	2.1	0.0	0.3	4.1	3.6	0.0	2.1	3.4	2.1	
G161.5	2.2	0.0	0.4	0.0	3.6	0.0	0.9	3.4	2.2	
G162.0	2.2	0.0	0.5	4.2	0.0	0.0	2.0	3.2	2.2	
G162.5	2.4	4.3	3.2	4.3	3.7	0.0	0.8	3.3	2.4	
G163.0	2.4	0.1	3.2	0.0	0.0	3.5	2.0	0.0	2.4	
G163.5	2.5	0.0	3.3	4.3	0.0	3.5	2.0	0.0	2.5	
G164.0	2.5	4.3	0.8	4.3	0.0	3.5	1.8	0.1	2.5	
G164.5	2.3	0.3	0.8	0.0	0.0	0.0	1.2	3.3	2.3	
G165.0	2.3	4.1	0.9	4.5	3.7	3.4	2.1	3.2	2.3	
G165.5	2.2	4.3	0.9	4.3	0.0	0.0	1.8	3.3	2.2	
G166.0	2.2	4.2	3.5	0.1	3.8	0.0	2.0	3.2	2.2	

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 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	2.2	0.4	3.5	0.1	0.0	0.1	2.0	0.2	2.2	
G167.0	2.3	4.1	1.1	4.4	0.0	3.3	1.3	0.2	2.3	
G167.5	2.2	4.1	3.5	0.2	0.0	3.3	1.5	0.3	2.2	
G168.0	2.9	0.7	3.5	4.6	3.7	3.2	1.5	3.1	2.9	
G168.5	2.9	1.0	3.5	4.4	0.0	0.4	1.8	0.3	2.9	
G169.0	2.1	1.1	1.3	4.6	3.7	0.3	1.8	0.3	2.1	
G169.5	3.0	3.8	3.3	0.2	3.7	0.4	1.8	3.0	3.0	
G170.0	3.0	1.3	1.4	0.0	0.0	3.1	1.5	3.0	3.0	
G170.5	1.9	1.4	1.4	0.3	0.0	3.0	1.7	3.0	1.9	
G171.0	1.9	3.4	3.3	4.6	3.6	0.5	1.8	0.4	1.9	
G171.5	3.0	3.3	3.5	4.7	0.0	2.8	1.6	0.5	3.0	
G172.0	1.6	3.1	1.5	0.2	0.0	0.7	1.5	0.5	1.6	
G172.5	3.1	3.0	3.3	4.6	0.1	2.7	1.5	0.5	3.1	
G173.0	3.1	2.9	3.4	4.6	0.1	2.6	1.5	0.6	3.1	
G173.5	3.0	1.9	1.5	0.2	0.2	0.8	1.4	0.6	3.0	
G174.0	1.6	2.0	3.5	4.6	0.0	0.9	1.4	2.9	1.6	
G174.5	1.5	2.2	1.4	0.1	3.3	1.1	1.4	0.7	1.5	
G175.0	3.0	2.2	1.5	0.1	3.0	1.1	1.2	2.9	3.0	
G175.5	3.1	2.2	3.1	4.5	0.5	2.3	1.2	2.8	3.1	
G176.0	1.4	2.4	3.3	4.3	0.3	1.4	1.1	0.8	1.4	
G176.5	1.4	2.5	3.2	0.1	0.7	1.5	2.7	2.8	1.4	
G177.0	1.2	1.6	3.2	4.2	0.8	1.6	0.9	0.9	1.2	
G177.5	3.2	2.7	3.2	4.3	2.9	1.7	2.8	1.0	3.2	
G178.0	3.3	3.2	1.2	4.3	1.2	1.9	0.8	1.0	3.3	
G178.5	0.8	0.7	1.4	4.1	2.6	1.7	3.4	1.0	0.8	
G179.0	0.5	4.0	1.4	0.0	2.4	1.6	3.6	2.7	0.5	
G179.5	3.9	4.2	3.0	4.4	2.1	2.4	3.8	2.9	3.9	
G180.0	4.2	3.3	1.1	0.0	2.6	0.7	0.1	3.0	4.2	

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: