

Report No.:

Test Time: 2016-12-26 11:52

Luminaire Property

Luminaire Manufacturer:

Luminaire Description:

Voltage: 121.0 V

Power: 103.50 W

Current: 0.858 A

Power Factor: 0.997

Photometric Results

CIE Class: Direct

Measurement Flux: 13998.5 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%,75%,100%): H142.3,H128.2,H121.8,H98

Vertical Diffuse Angle(10%,50%,75%,100%): V142.8,V127.3,V121.9,V100

Luminaire Efficacy Rating (LER): 135.30

Max. Intensity: 4355.17 cd

S/MH(C0/C180): 2.22

Total Rated Lamp Lumens: 13998.5 lm

Efficiency: 100%

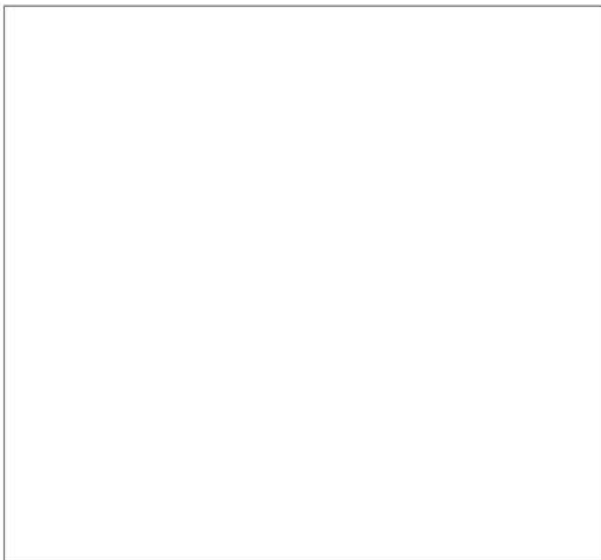
Upward Ratio: 1%

Central Intensity: 2322.67 cd

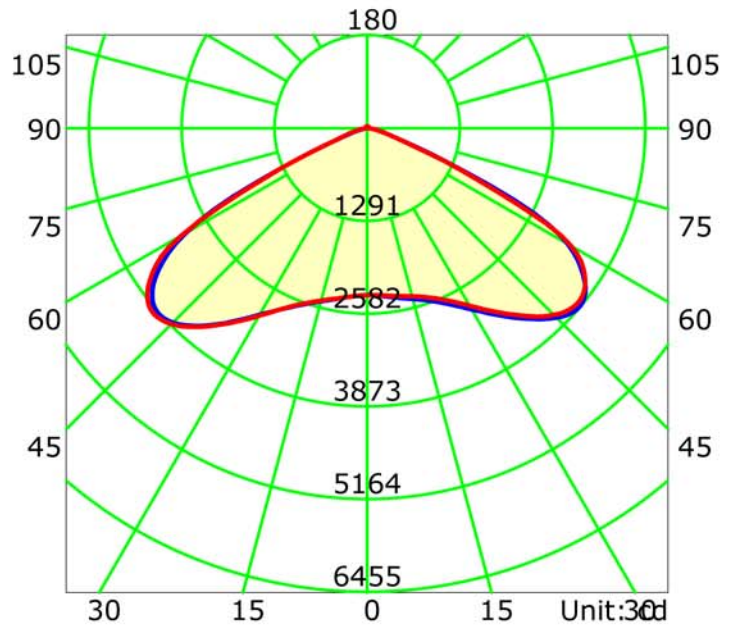
Pos of Max. Intensity: H330 V53

S/MH(C90/C270): 2.21

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 127.7°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

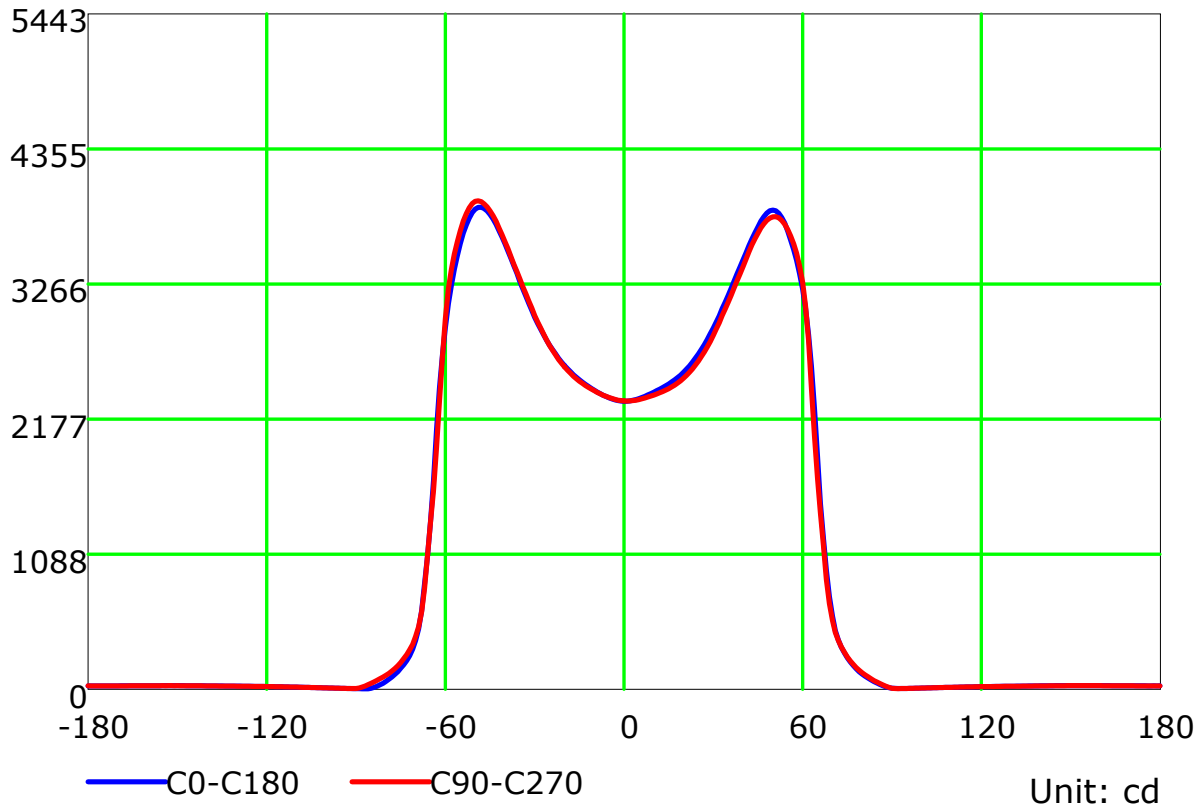
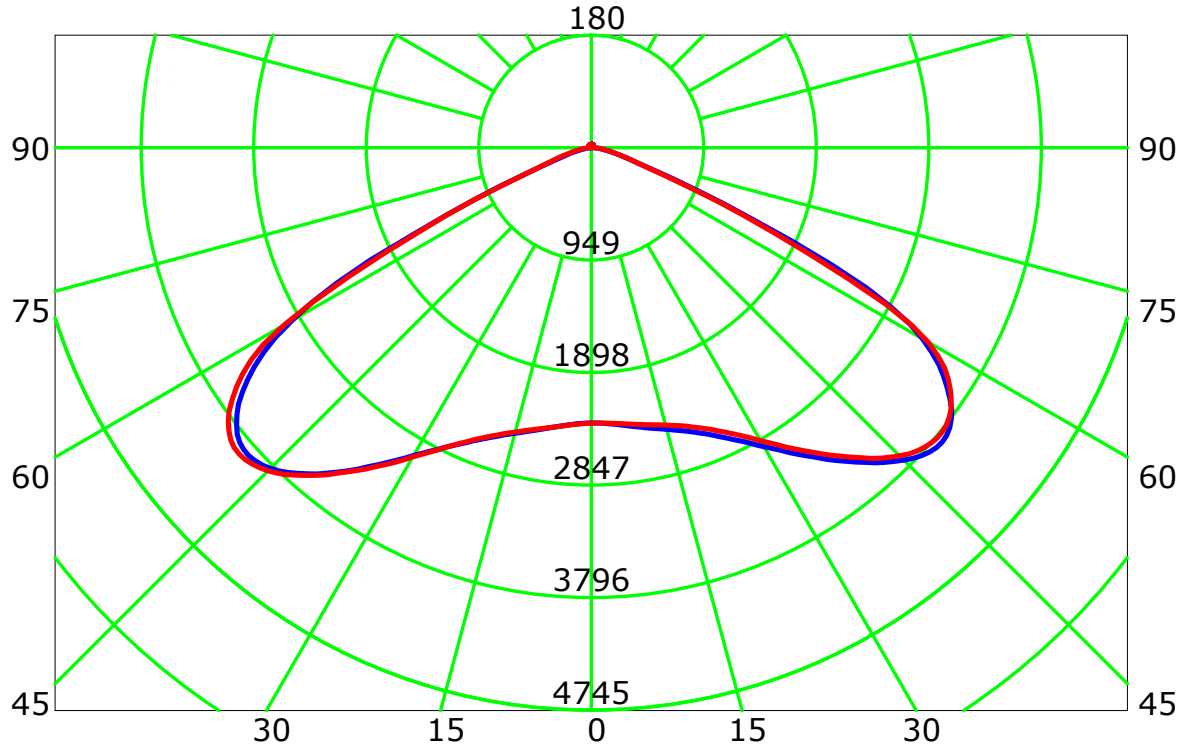
Test Device: GPM-1800B

Distance: 11.967 m

Humidity:

Inspector:

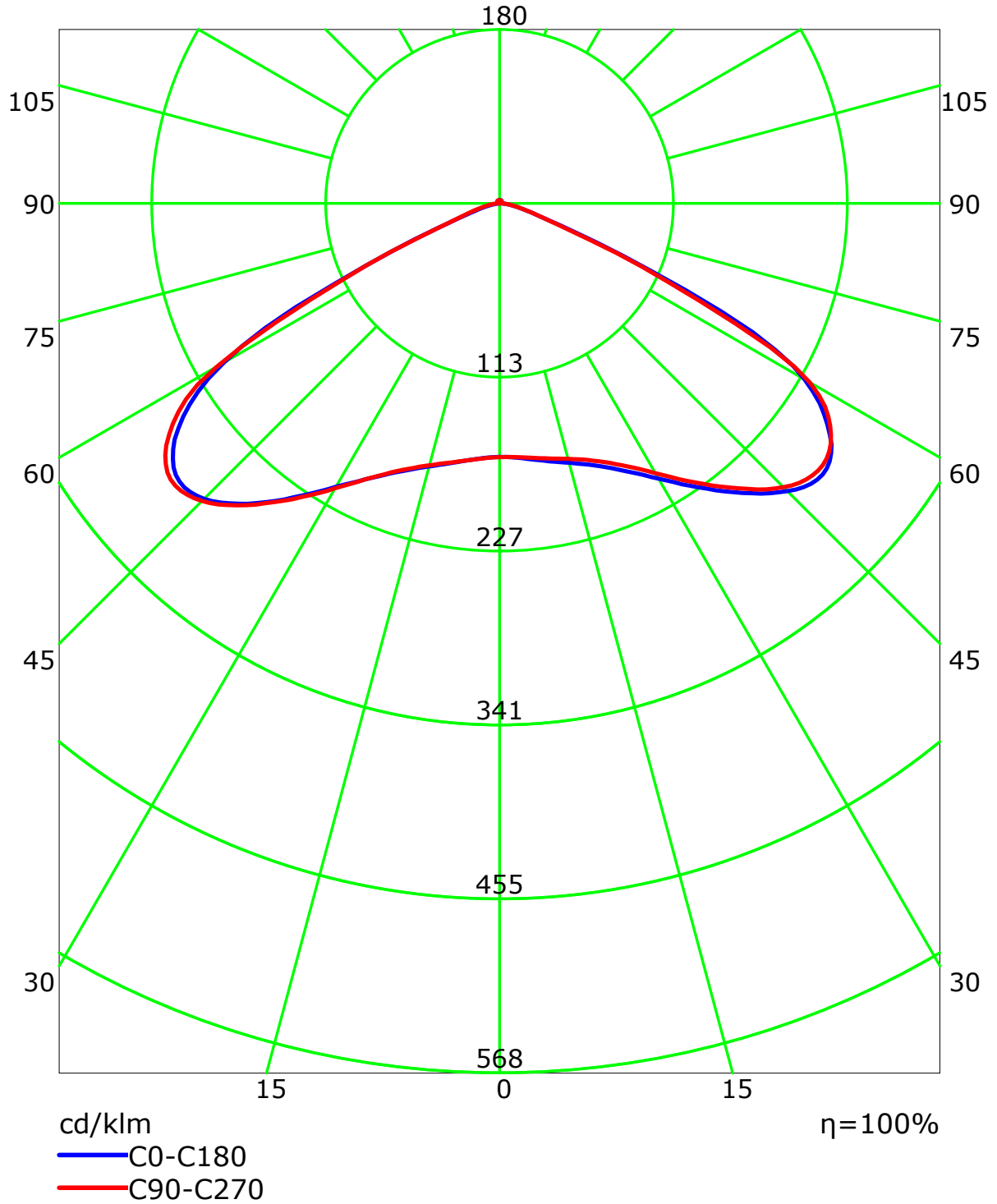
Luminous Intensity Distribution Curve



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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.967 m
 Humidity:
 Inspector:

Luminous Intensity Distribution Curve(cd/klm)



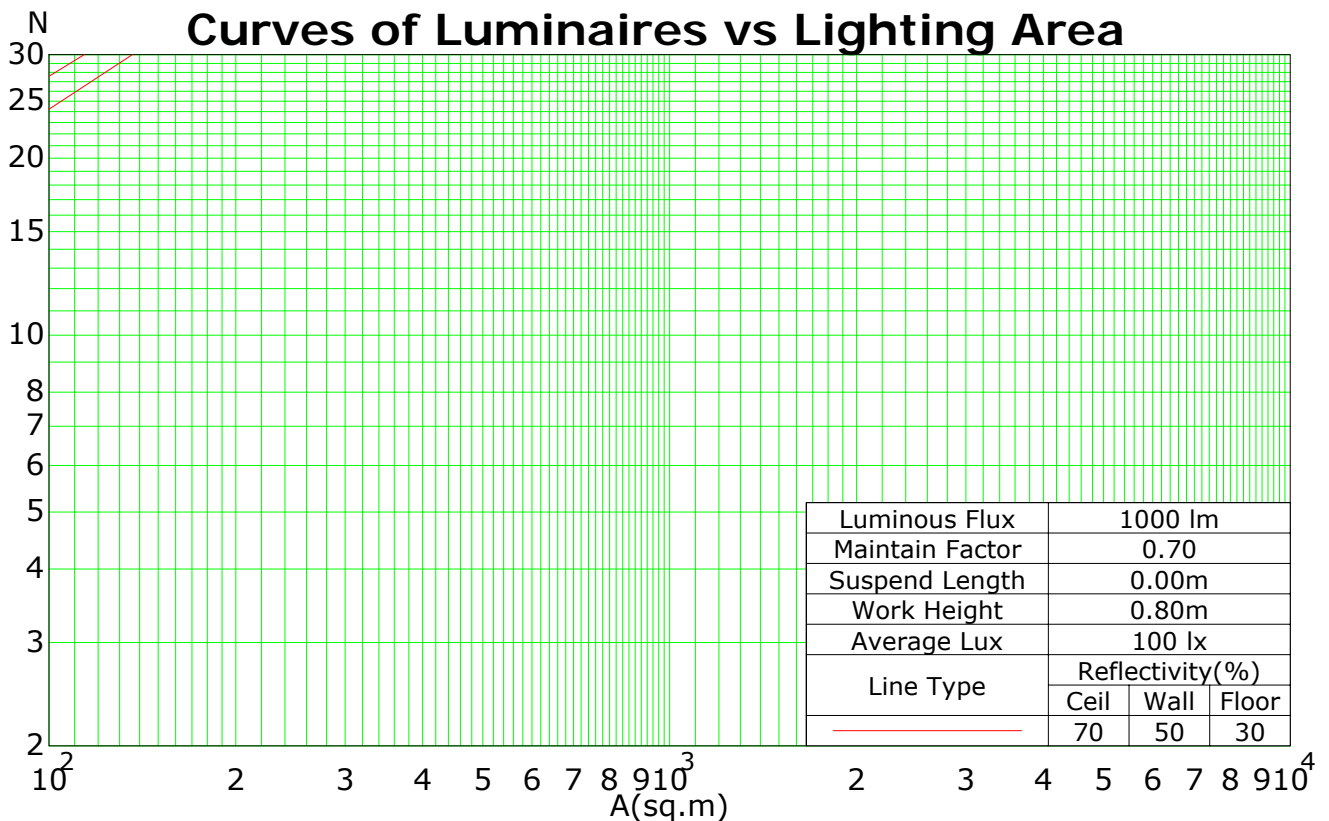
C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.967 m
 Humidity:
 Inspector:

Coefficients Of Utilization - Zonal Cavity Method

RC	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0
RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
RCCR	RF = 0.2																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	109	104	99	96	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	98	89	82	76	95	87	81	75	83	78	73	80	75	71	77	73	70	67
3	88	77	68	61	85	75	67	61	72	65	59	69	63	58	66	61	57	55
4	79	67	57	50	77	65	56	49	62	55	49	60	53	48	58	52	47	45
5	72	58	48	41	70	57	48	41	55	47	40	52	45	40	50	44	39	37
6	66	51	42	35	64	50	41	34	48	40	34	46	39	34	45	38	33	31
7	60	46	36	30	58	45	36	29	43	35	29	42	34	29	40	33	28	26
8	56	41	32	26	54	40	31	25	39	31	25	37	30	25	36	30	25	23
9	51	37	28	22	50	36	28	22	35	27	22	34	27	22	33	26	22	20
10	48	34	25	20	47	33	25	20	32	25	19	31	24	19	30	24	19	17

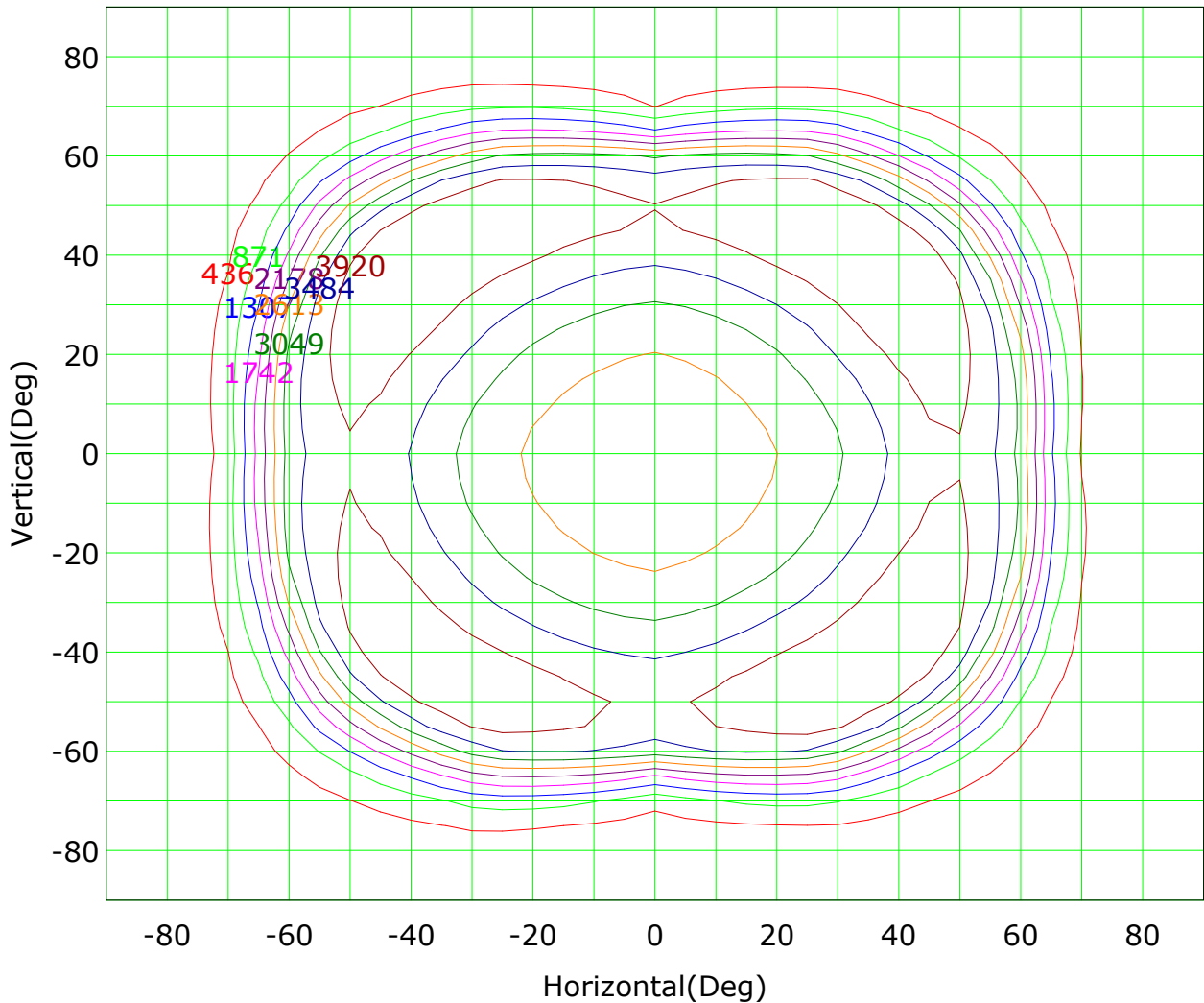
Spacing Criteria (0-180): 2.22
 Spacing Criteria (90-270): 2.21
 Spacing Criteria (Diagonal): 2.30



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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.967 m
 Humidity:
 Inspector:

Isocandela (rectangle)



Imax (100%): 4355 cd

— (10%): 436 cd	— (20%): 871 cd
— (30%): 1307 cd	— (40%): 1742 cd
— (50%): 2178 cd	— (60%): 2613 cd
— (70%): 3049 cd	— (80%): 3484 cd
— (90%): 3920 cd	— (100%): 4355 cd

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

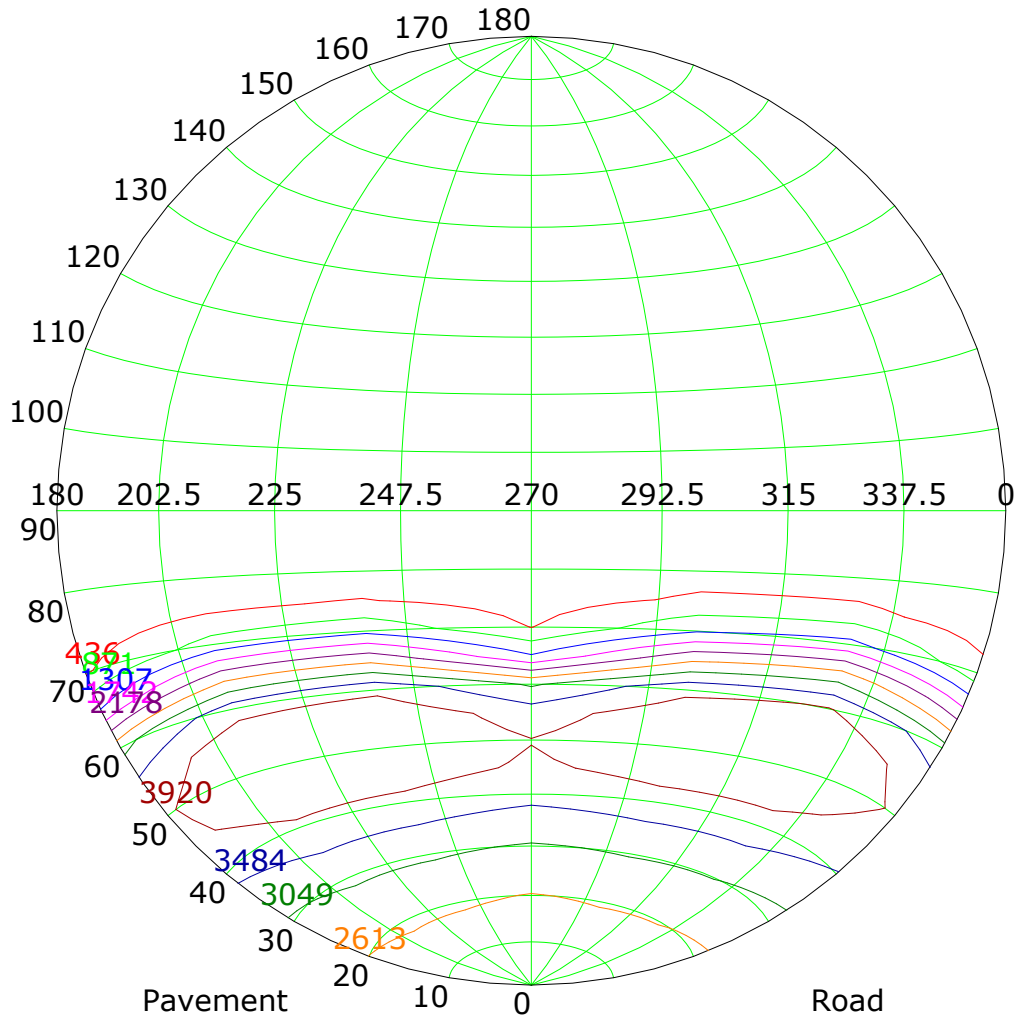
Test Device: GPM-1800B

Distance: 11.967 m

Humidity:

Inspector:

Isocandela (sphere)



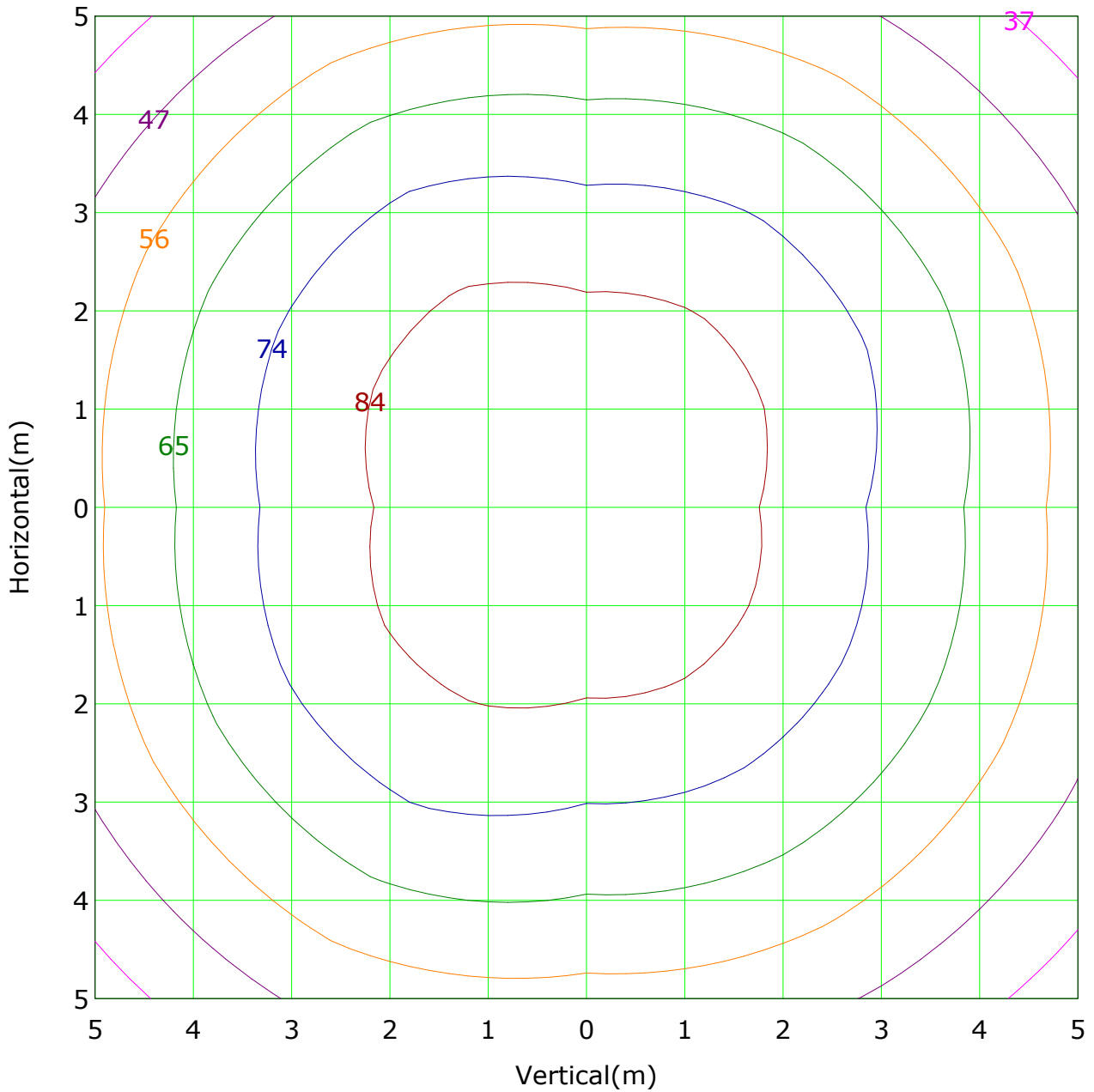
Imax (100%): 4355 cd

- | | |
|-------------------|-------------------|
| — (10%): 436 cd | — (20%): 871 cd |
| — (30%): 1307 cd | — (40%): 1742 cd |
| — (50%): 2178 cd | — (60%): 2613 cd |
| — (70%): 3049 cd | — (80%): 3484 cd |
| — (90%): 3920 cd | — (100%): 4355 cd |

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.967 m
 Humidity:
 Inspector:

IsoLux Plot



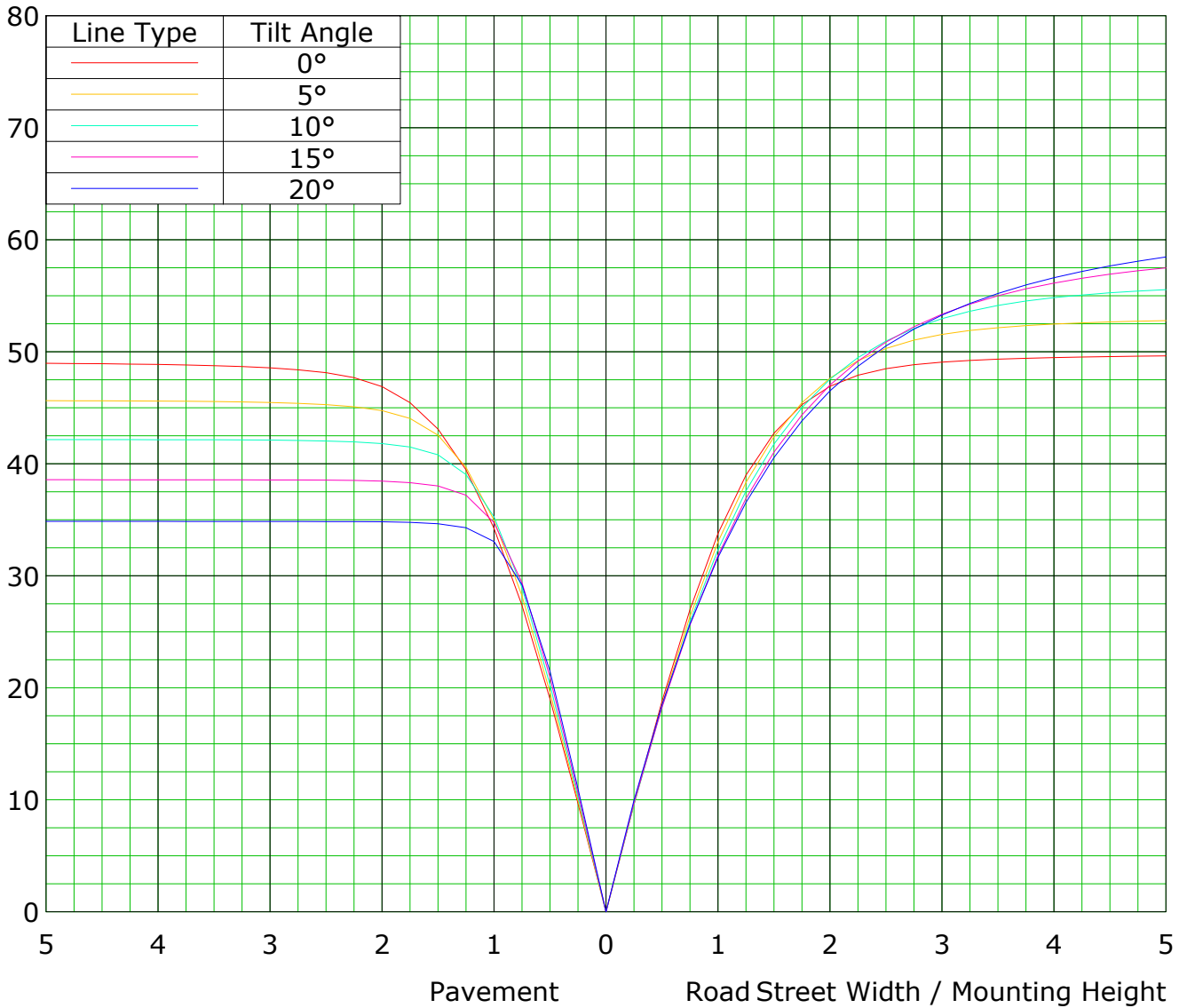
Mounting Height: 5.0m		Max Lux(100%): 93.1 lx
— (10%): 9.3 lx	— (20%): 18.6 lx	— (40%): 37.2 lx
— (30%): 27.9 lx	— (60%): 55.9 lx	— (80%): 74.5 lx
— (50%): 46.6 lx	— (100%): 93.1 lx	
— (70%): 65.2 lx		
— (90%): 83.8 lx		

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.967 m
 Humidity:
 Inspector:

Roadway CU Curve

Efficiency(%)



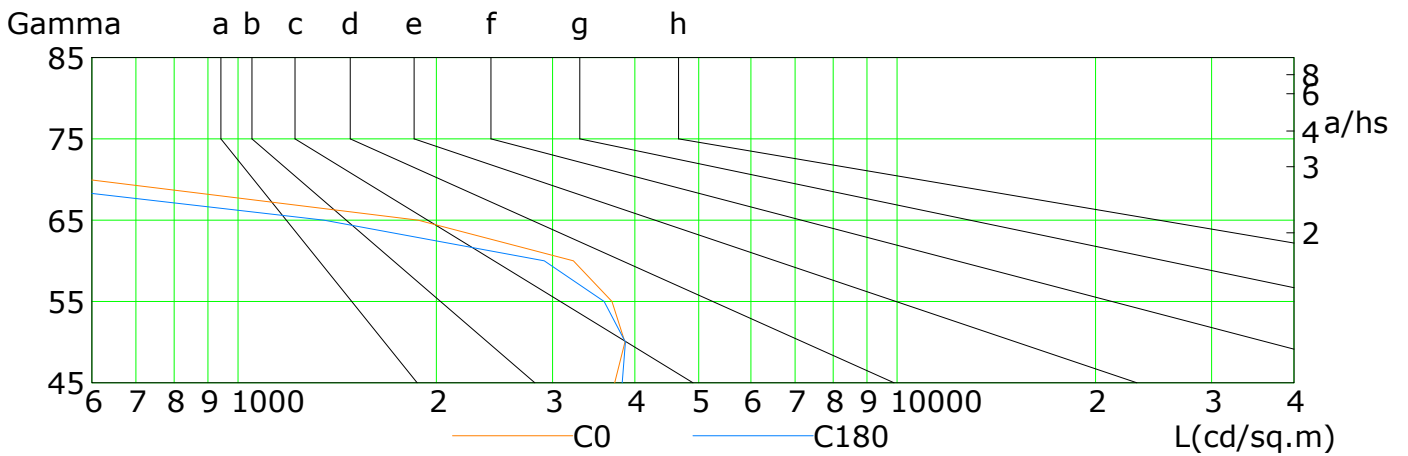
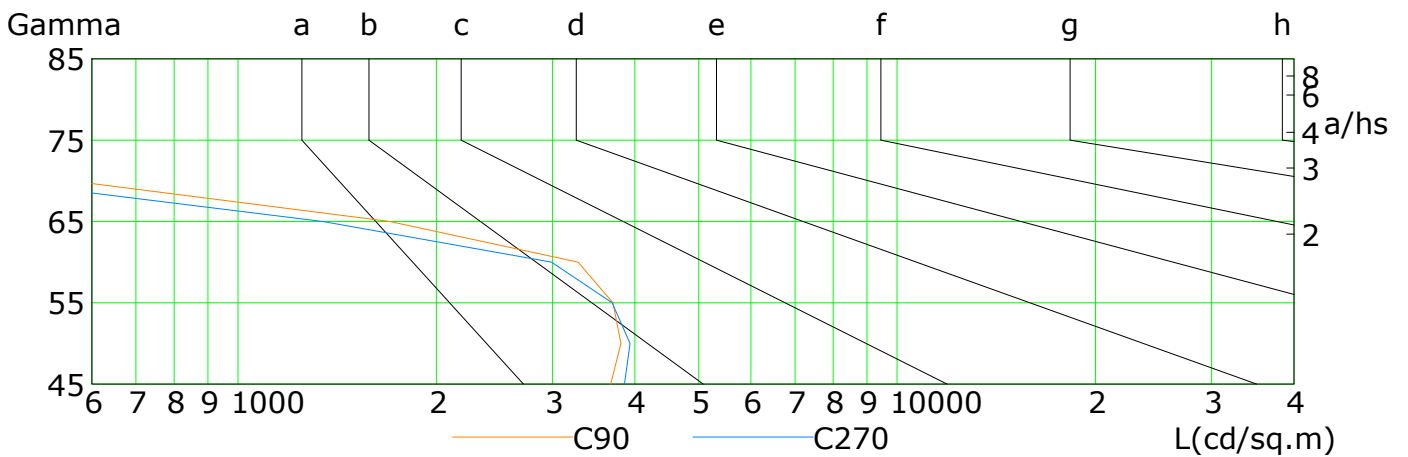
C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.967 m
 Humidity:
 Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
		2000	1000	500	<=300				
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300

a b c d e f g h



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	3728	3864	3693	3226	1876	593	255	123	51
C90	3677	3809	3705	3280	1699	557	262	133	58
C180	3828	3871	3592	2915	1350	394	171	64	9
C270	3856	3934	3695	2989	1345	426	216	113	48

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

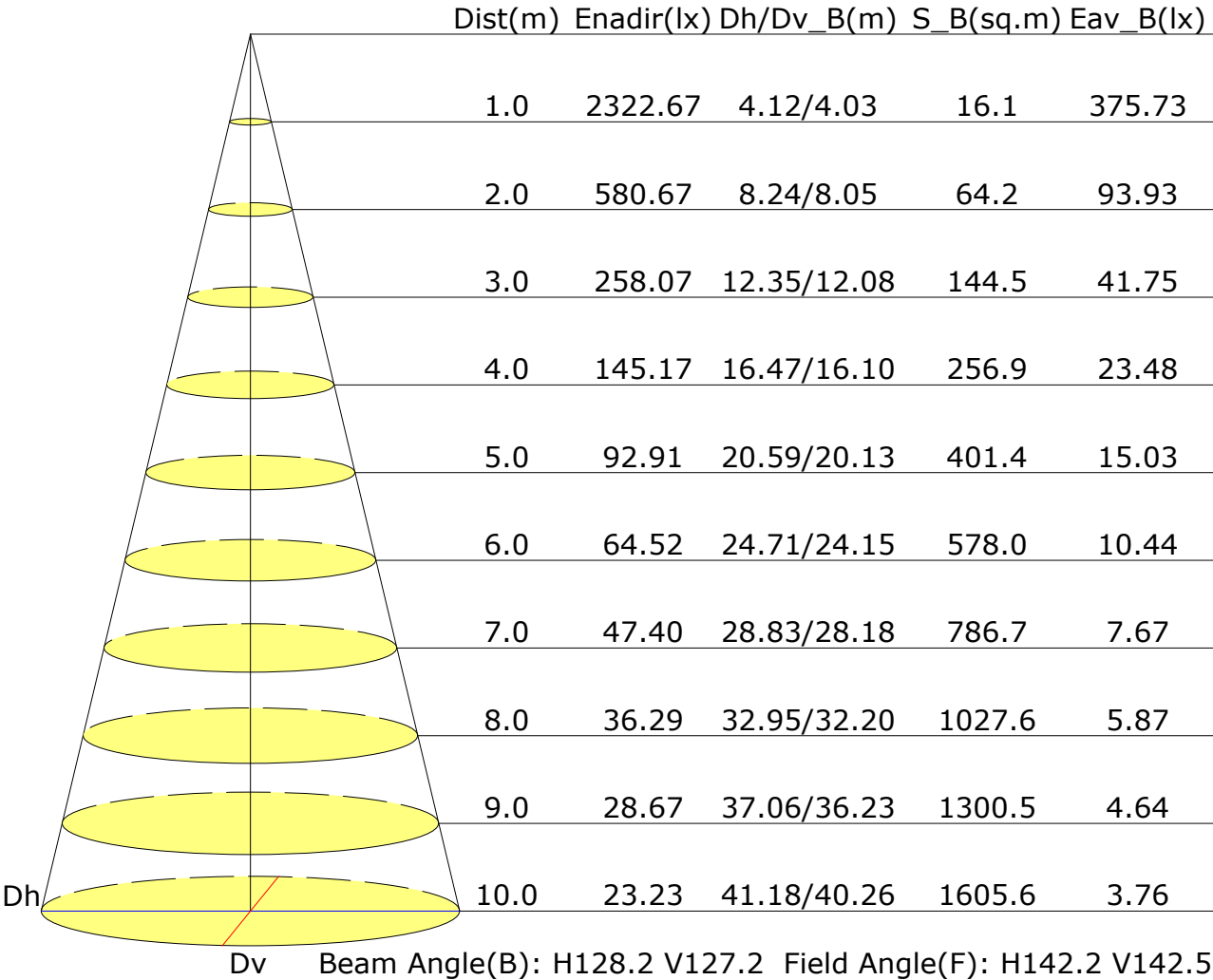
Test Device: GPM-1800B

Distance: 11.967 m

Humidity:

Inspector:

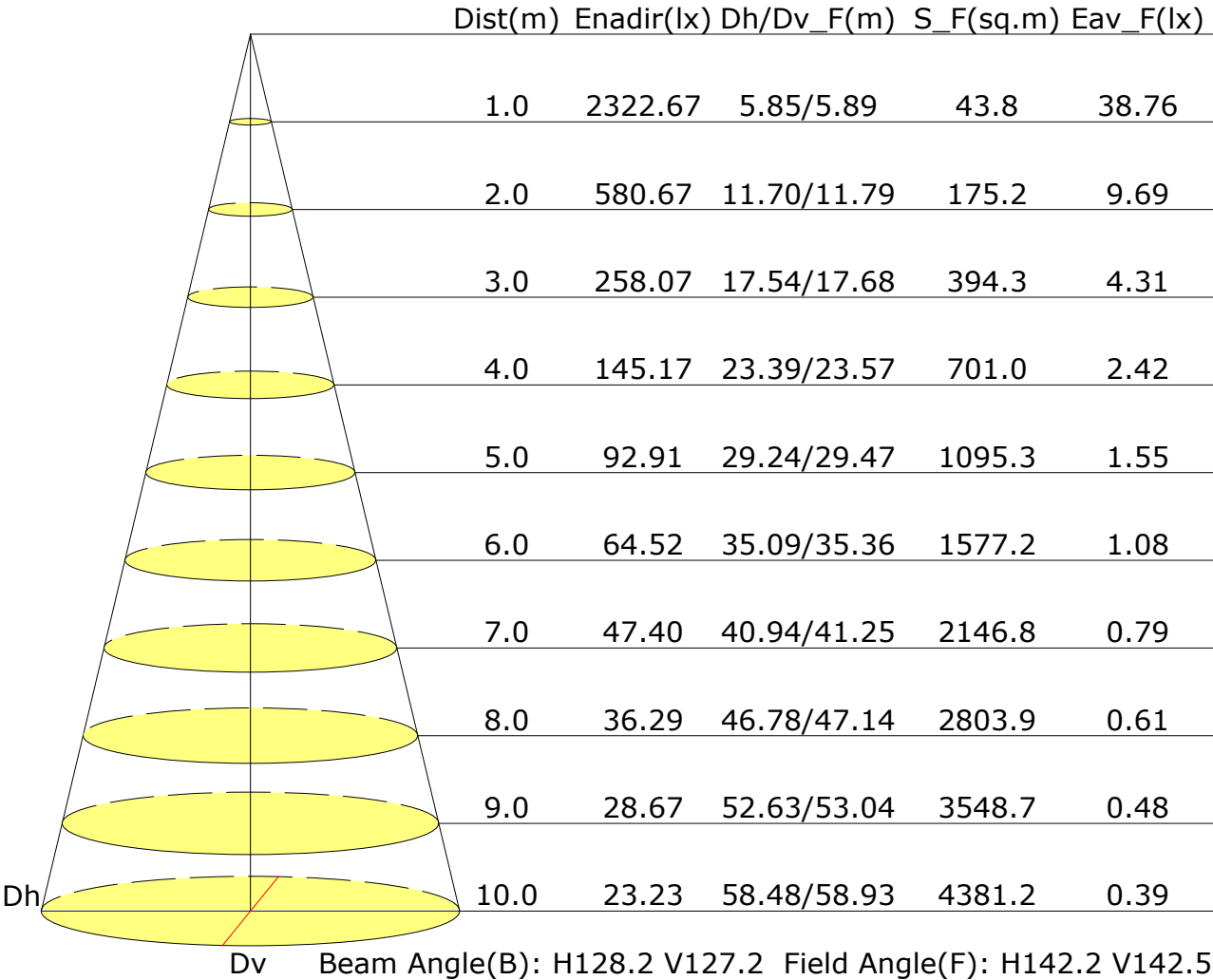
Illuminance at a Distance(Beam Angle)



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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.967 m
 Humidity:
 Inspector:

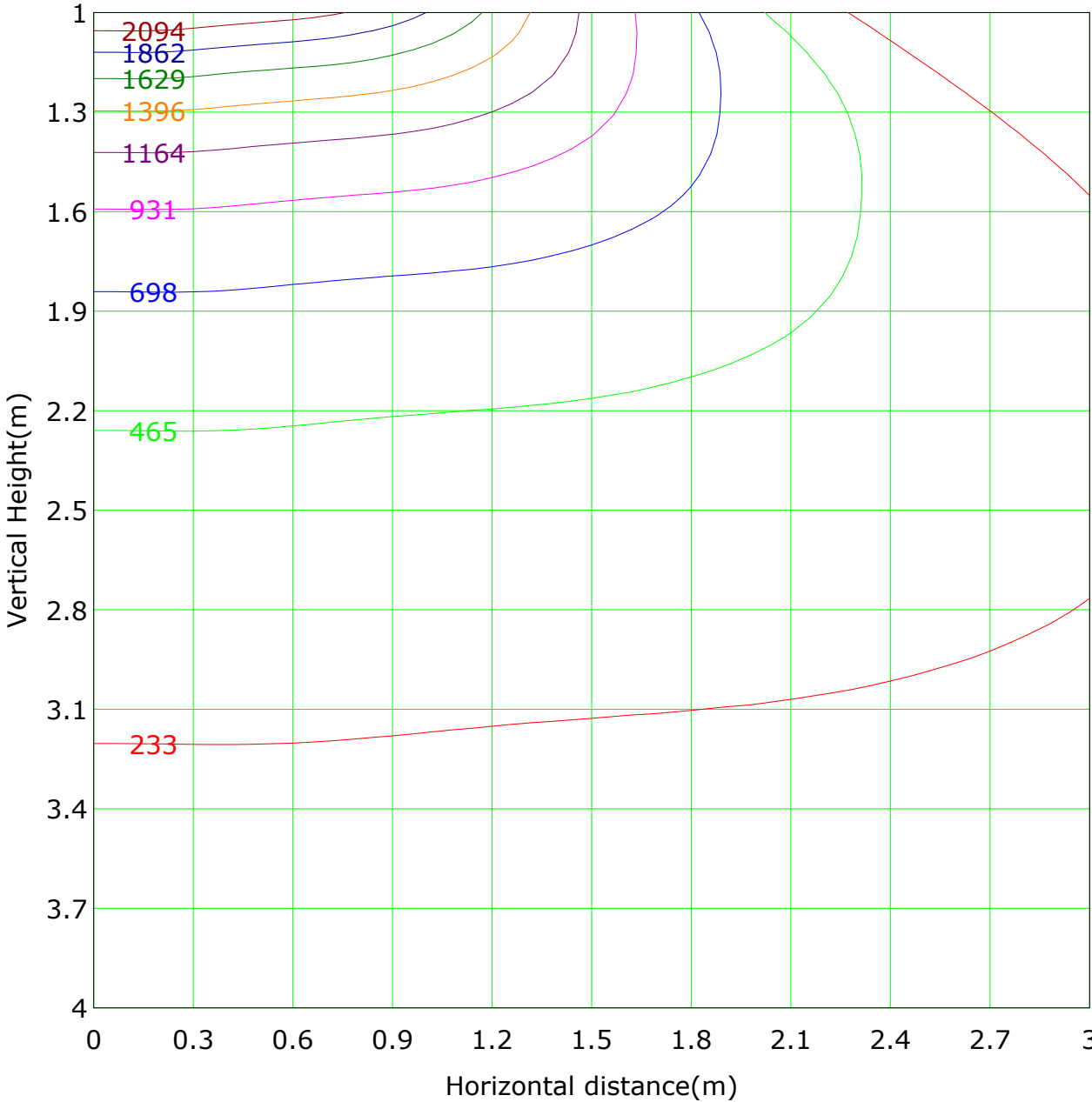
Illuminance at a Distance(Field Angle)



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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.967 m
 Humidity:
 Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 4.0m	Max Lux: 2327.0 lx
(10%): 232.7 lx	(20%): 465.4 lx	
(30%): 698.1 lx	(40%): 930.8 lx	
(50%): 1163.5 lx	(60%): 1396.2 lx	
(70%): 1628.9 lx	(80%): 1861.6 lx	
(90%): 2094.3 lx	(100%): 2327.0 lx	

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.967 m
Humidity:
Inspector:

Area Flux Table

Unit: lm

		Vertical plane																			
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	
Flux(E)	0.0	0.1	0.1	0.2	0.6	1.1	1.6	1.7	1.7	1.8	2.1	2.2	1.8	1.2	0.7	0.4	0.4	0.2	0.0	0.0	
Flux(T)	0.8	17.7	170.0611.29999.31217.4308.13301.5254.7251.5290.4292.9211.8021.0666.9220.5	27.9	2.4	13866															
Flux(E)	0.0	0.2	154.2598.7986.71204.6295.1287.3238.7235.2275.5279.1198.4007.4653.2204.8	6.7	0.0	13626															

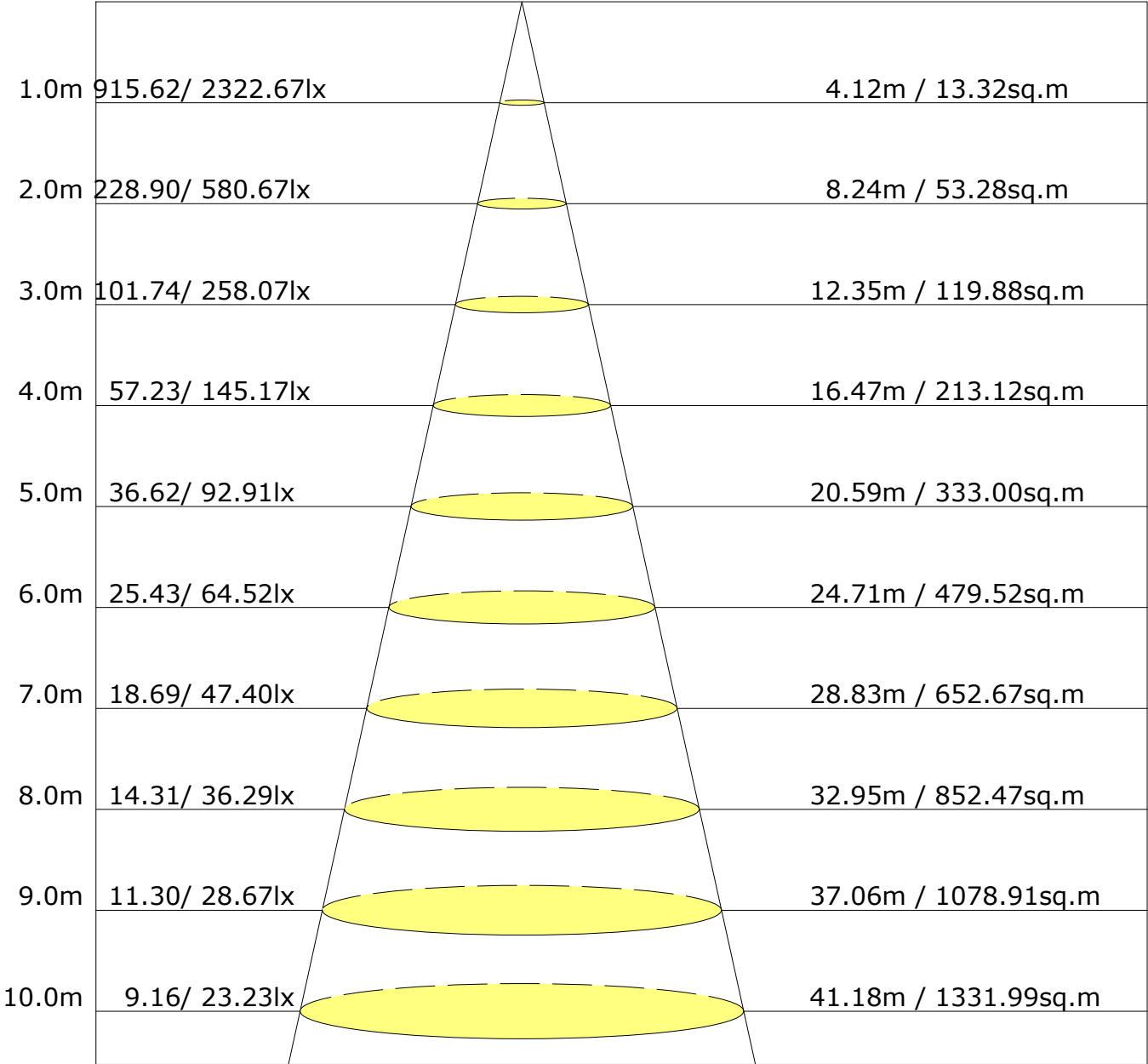
Horizontal plane

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.967 m
 Humidity:
 Inspector:

The Average Illuminance Effective Figure

Flux Out: 12195.91lm



Height Avg./Nadir. E Beam Angle: 128.2° Diameter / Area

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

Gamma Plane (°): 0.0-180.0: 1.0
 Test Device: GPM-1800B
 Distance: 11.967 m
 Humidity:
 Inspector:

UGR Table

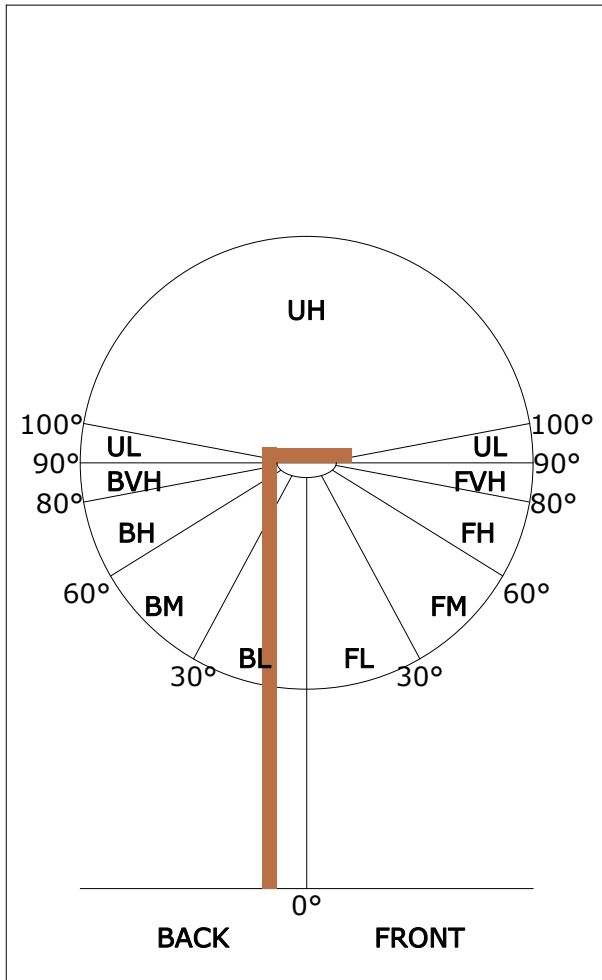
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
3H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=4H Y=2H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
3H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=8H Y=4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=12H Y=4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
Variations with the observer position at spacings:										
S=1.0H	-1.\$/-1.\$					-1.\$/-1.\$				
S=1.5H	-1.\$/-1.\$					-1.\$/-1.\$				
S=2.0H	-1.\$/-1.\$					-1.\$/-1.\$				

Calculate in accordance with CIE Pub.117. The table is revised with 13999Im ($8\log(F/F_0) = 9.2$).

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.967 m
 Humidity:
 Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



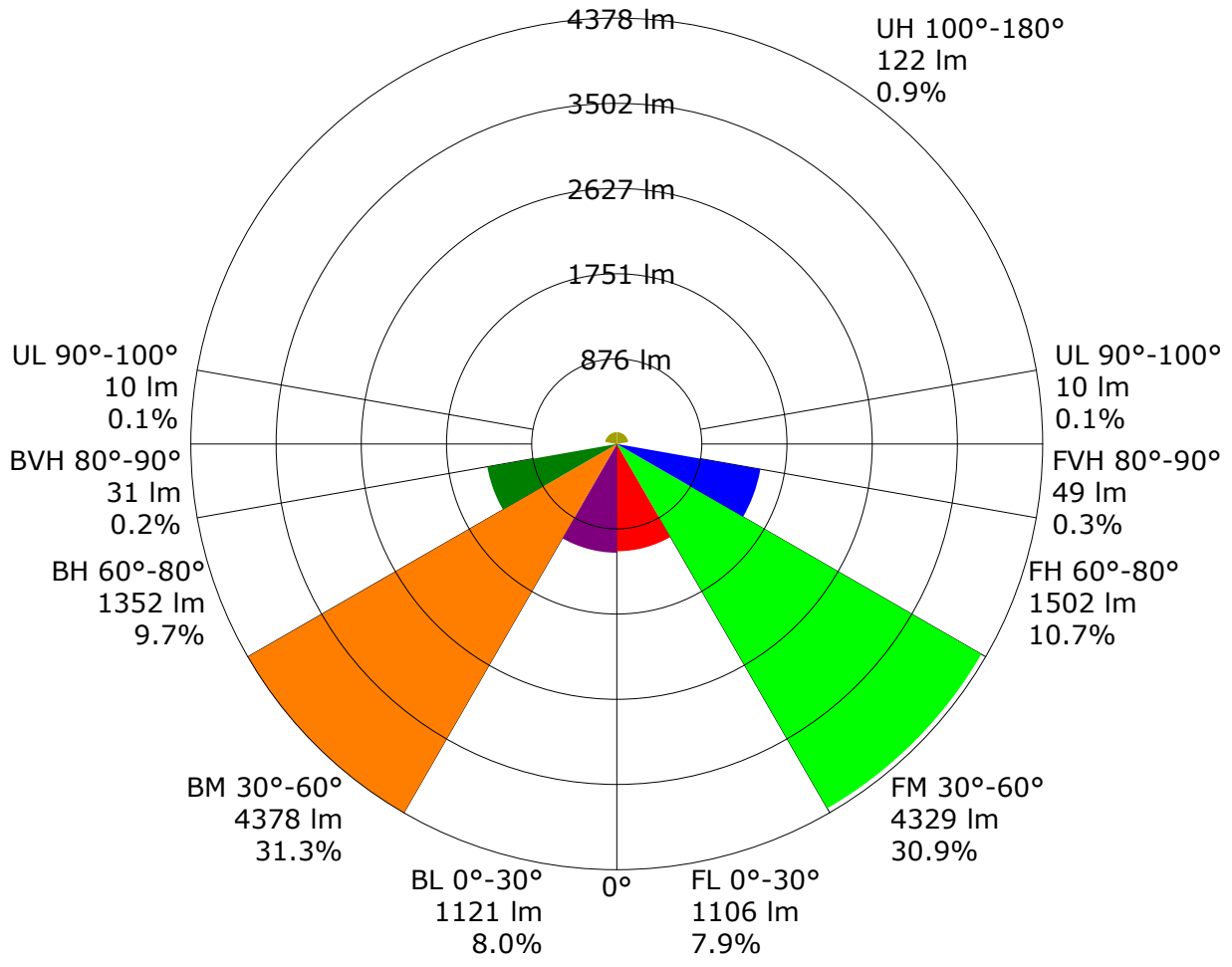
ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	6986	49.9
FL (0°-30°)	1106	7.9
FM (30°-60°)	4329	30.9
FH (60°-80°)	1502	10.7
FVH (80°-90°)	49	0.3
BACK LIGHT	6881	49.2
BL (0°-30°)	1121	8.0
BM (30°-60°)	4378	31.3
BH (60°-80°)	1352	9.7
BVH (80°-90°)	31	0.2
UP LIGHT	132	0.9
UL (90°-100°)	10	0.1
UH (100°-180°)	122	0.9
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B3 U3 G3
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B3 U3 G1

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.967 m
 Humidity:
 Inspector:

LCS Graph



Back Light

Forward Light

Scale= 4378 lm

Trapped Light:NA,NA

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.967 m
 Humidity:
 Inspector:

Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 2.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	NA	NA	0.76	0.81	0.89	0.94	0.97	1.02	1.04	
	0.30		NA	NA	0.69	0.75	0.83	0.89	0.93	0.98	1.01	
	0.20		NA	NA	0.63	0.70	0.79	0.85	0.89	0.95	0.99	
0.50	0.50	0.20	NA	NA	0.73	0.79	0.86	0.91	0.94	0.97	1.00	
	0.30		NA	NA	0.67	0.73	0.81	0.86	0.90	0.94	0.98	
	0.20		NA	NA	0.62	0.68	0.77	0.83	0.87	0.92	0.95	
0.30	0.50	0.20	NA	NA	0.71	0.76	0.83	0.87	0.90	0.94	0.96	
	0.30		NA	NA	0.66	0.71	0.79	0.84	0.87	0.91	0.94	
	0.20		NA	NA	0.62	0.67	0.75	0.81	0.84	0.89	0.92	
0.00	0.00	0.00	NA	NA	0.59	0.64	0.72	0.77	0.80	0.84	0.87	
<p>Rating:104W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.967 m
Humidity:
Inspector:

Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 2.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	NA	NA	0.67	0.57	0.44	0.36	0.31	0.24	0.19	
	0.30		NA	NA	0.58	0.51	0.40	0.33	0.28	0.22	0.18	
	0.20		NA	NA	0.52	0.46	0.37	0.31	0.26	0.21	0.17	
0.50	0.50	0.20	NA	NA	0.64	0.55	0.42	0.38	0.29	0.22	0.18	
	0.30		NA	NA	0.56	0.49	0.39	0.32	0.27	0.21	0.17	
	0.20		NA	NA	0.50	0.44	0.36	0.30	0.26	0.20	0.16	
0.30	0.50	0.20	NA	NA	0.61	0.52	0.40	0.33	0.28	0.21	0.17	
	0.30		NA	NA	0.55	0.48	0.37	0.30	0.26	0.20	0.16	
	0.20		NA	NA	0.49	0.43	0.35	0.29	0.25	0.19	0.16	
0.00	0.00	0.00	0.99	0.99	0.40	0.35	0.27	0.22	0.18	0.14	0.11	
<p>Rating:104W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.967 m
 Humidity:
 Inspector:

Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 2.25								
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	NA	NA	0.19	0.20	0.20	0.21	0.21	0.22	0.22
	0.30		NA	NA	0.13	0.14	0.16	0.17	0.18	0.19	0.20
	0.20		NA	NA	0.09	0.10	0.12	0.14	0.15	0.17	0.18
0.50	0.50	0.20	NA	NA	0.18	0.19	0.20	0.20	0.21	0.21	0.21
	0.30		NA	NA	0.13	0.14	0.15	0.17	0.17	0.19	0.19
	0.20		NA	NA	0.09	0.10	0.12	0.14	0.15	0.16	0.17
0.30	0.50	0.20	NA	NA	0.18	0.18	0.19	0.19	0.20	0.20	0.20
	0.30		NA	NA	0.13	0.14	0.15	0.16	0.17	0.18	0.19
	0.20		NA	NA	0.09	0.10	0.12	0.13	0.14	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:104W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>											

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.967 m
Humidity:
Inspector:

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	2325.0	2.2	2.2	0.02	0.02
1.0-2.0	2326.8	6.7	8.9	0.05	0.06
2.0-3.0	2330.3	11.1	20.1	0.08	0.14
3.0-4.0	2335.7	15.6	35.7	0.11	0.25
4.0-5.0	2342.5	20.2	55.8	0.14	0.40
5.0-6.0	2350.6	24.7	80.5	0.18	0.58
6.0-7.0	2360.0	29.3	109.8	0.21	0.78
7.0-8.0	2370.4	33.9	143.8	0.24	1.03
8.0-9.0	2381.9	38.6	182.4	0.28	1.30
9.0-10.0	2394.4	43.3	225.7	0.31	1.61
10.0-11.0	2407.9	48.1	273.8	0.34	1.96
11.0-12.0	2422.2	53.0	326.8	0.38	2.33
12.0-13.0	2437.4	57.9	384.6	0.41	2.75
13.0-14.0	2454.2	62.8	447.5	0.45	3.20
14.0-15.0	2472.2	67.9	515.4	0.48	3.68
15.0-16.0	2491.5	73.0	588.4	0.52	4.20
16.0-17.0	2512.4	78.3	666.6	0.56	4.76
17.0-18.0	2535.2	83.6	750.2	0.60	5.36
18.0-19.0	2559.9	89.1	839.3	0.64	6.00
19.0-20.0	2586.6	94.7	934.0	0.68	6.67
20.0-21.0	2615.0	100.4	1034.4	0.72	7.39
21.0-22.0	2645.1	106.3	1140.7	0.76	8.15
22.0-23.0	2678.2	112.4	1253.1	0.80	8.95
23.0-24.0	2714.0	118.7	1371.8	0.85	9.80
24.0-25.0	2751.1	125.1	1496.9	0.89	10.69
25.0-26.0	2790.6	131.7	1628.6	0.94	11.63
26.0-27.0	2833.1	138.6	1767.3	0.99	12.62
27.0-28.0	2878.5	145.8	1913.0	1.04	13.67
28.0-29.0	2927.1	153.2	2066.2	1.09	14.76
29.0-30.0	2978.6	160.8	2227.0	1.15	15.91
30.0-31.0	3033.3	168.8	2395.8	1.21	17.11
31.0-32.0	3090.6	177.1	2572.9	1.27	18.38
32.0-33.0	3150.3	185.6	2758.5	1.33	19.71
33.0-34.0	3211.6	194.4	2952.9	1.39	21.09
34.0-35.0	3274.0	203.4	3156.3	1.45	22.55
35.0-36.0	3338.0	212.6	3368.8	1.52	24.07

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.967 m

Humidity:

Inspector:

Zonal Lumen (Continue 1)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	3403.1	222.0	3590.8	1.59	25.65
37.0-38.0	3468.5	231.5	3822.4	1.65	27.31
38.0-39.0	3533.4	241.2	4063.6	1.72	29.03
39.0-40.0	3598.6	251.0	4314.6	1.79	30.82
40.0-41.0	3662.1	260.8	4575.4	1.86	32.68
41.0-42.0	3724.8	270.7	4846.1	1.93	34.62
42.0-43.0	3787.5	280.6	5126.7	2.00	36.62
43.0-44.0	3847.6	290.4	5417.1	2.07	38.70
44.0-45.0	3903.8	300.1	5717.2	2.14	40.84
45.0-46.0	3957.0	309.5	6026.7	2.21	43.05
46.0-47.0	4005.9	318.6	6345.3	2.28	45.33
47.0-48.0	4048.3	327.3	6672.6	2.34	47.67
48.0-49.0	4084.0	335.4	7008.0	2.40	50.06
49.0-50.0	4111.4	342.8	7350.9	2.45	52.51
50.0-51.0	4128.6	349.4	7700.2	2.50	55.01
51.0-52.0	4133.7	354.8	8055.0	2.53	57.54
52.0-53.0	4127.0	359.0	8414.0	2.56	60.11
53.0-54.0	4108.8	362.2	8776.2	2.59	62.69
54.0-55.0	4077.2	364.0	9140.2	2.60	65.29
55.0-56.0	4031.7	364.4	9504.6	2.60	67.90
56.0-57.0	3973.8	363.4	9868.0	2.60	70.49
57.0-58.0	3901.5	360.8	10228.8	2.58	73.07
58.0-59.0	3809.5	356.2	10585.0	2.54	75.62
59.0-60.0	3690.0	348.7	10933.7	2.49	78.11
60.0-61.0	3536.6	337.5	11271.2	2.41	80.52
61.0-62.0	3340.9	322.0	11593.2	2.30	82.82
62.0-63.0	3098.9	301.4	11894.6	2.15	84.97
63.0-64.0	2815.1	276.3	12170.9	1.97	86.94
64.0-65.0	2511.6	248.6	12419.5	1.78	88.72
65.0-66.0	2209.9	220.5	12640.0	1.58	90.30
66.0-67.0	1918.4	192.9	12832.9	1.38	91.67
67.0-68.0	1642.4	166.4	12999.3	1.19	92.86
68.0-69.0	1394.8	142.3	13141.6	1.02	93.88
69.0-70.0	1182.1	121.4	13263.0	0.87	94.75
70.0-71.0	991.1	102.5	13365.5	0.73	95.48
71.0-72.0	822.0	85.5	13451.0	0.61	96.09

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.967 m

Humidity:

Inspector:

Zonal Lumen (Continue 2)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	680.2	71.1	13522.1	0.51	96.60
73.0-74.0	563.1	59.2	13581.3	0.42	97.02
74.0-75.0	468.9	49.5	13630.9	0.35	97.37
75.0-76.0	395.0	41.9	13672.8	0.30	97.67
76.0-77.0	335.1	35.7	13708.6	0.26	97.93
77.0-78.0	285.4	30.6	13739.1	0.22	98.15
78.0-79.0	243.0	26.1	13765.2	0.19	98.33
79.0-80.0	206.4	22.3	13787.5	0.16	98.49
80.0-81.0	174.2	18.8	13806.3	0.13	98.63
81.0-82.0	144.5	15.7	13822.0	0.11	98.74
82.0-83.0	115.8	12.6	13834.6	0.09	98.83
83.0-84.0	89.0	9.7	13844.3	0.07	98.90
84.0-85.0	66.6	7.3	13851.5	0.05	98.95
85.0-86.0	49.2	5.4	13856.9	0.04	98.99
86.0-87.0	35.7	3.9	13860.8	0.03	99.02
87.0-88.0	25.5	2.8	13863.6	0.02	99.04
88.0-89.0	17.8	1.9	13865.6	0.01	99.05
89.0-90.0	12.2	1.3	13866.9	0.01	99.06
90.0-91.0	9.0	1.0	13867.9	0.01	99.07
91.0-92.0	7.7	0.8	13868.7	0.01	99.07
92.0-93.0	7.6	0.8	13869.6	0.01	99.08
93.0-94.0	8.0	0.9	13870.4	0.01	99.09
94.0-95.0	8.6	0.9	13871.4	0.01	99.09
95.0-96.0	9.1	1.0	13872.4	0.01	99.10
96.0-97.0	9.7	1.1	13873.4	0.01	99.11
97.0-98.0	10.4	1.1	13874.6	0.01	99.11
98.0-99.0	10.9	1.2	13875.8	0.01	99.12
99.0-100.0	11.6	1.3	13877.0	0.01	99.13
100.0-101.0	12.2	1.3	13878.3	0.01	99.14
101.0-102.0	12.8	1.4	13879.7	0.01	99.15
102.0-103.0	13.5	1.4	13881.1	0.01	99.16
103.0-104.0	14.1	1.5	13882.6	0.01	99.17
104.0-105.0	14.7	1.6	13884.2	0.01	99.18
105.0-106.0	15.3	1.6	13885.8	0.01	99.19
106.0-107.0	15.9	1.7	13887.5	0.01	99.21
107.0-108.0	16.5	1.7	13889.2	0.01	99.22

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.967 m
 Humidity:
 Inspector:

Zonal Lumen (Continue 3)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	17.0	1.8	13891.0	0.01	99.23
109.0-110.0	17.6	1.8	13892.8	0.01	99.24
110.0-111.0	18.1	1.9	13894.7	0.01	99.26
111.0-112.0	18.7	1.9	13896.6	0.01	99.27
112.0-113.0	19.2	1.9	13898.5	0.01	99.29
113.0-114.0	19.7	2.0	13900.5	0.01	99.30
114.0-115.0	20.1	2.0	13902.5	0.01	99.31
115.0-116.0	20.6	2.0	13904.6	0.01	99.33
116.0-117.0	21.0	2.1	13906.6	0.01	99.34
117.0-118.0	21.4	2.1	13908.7	0.01	99.36
118.0-119.0	21.8	2.1	13910.8	0.02	99.37
119.0-120.0	22.2	2.1	13912.9	0.02	99.39
120.0-121.0	22.6	2.1	13915.1	0.02	99.40
121.0-122.0	23.0	2.1	13917.2	0.02	99.42
122.0-123.0	23.3	2.2	13919.4	0.02	99.43
123.0-124.0	23.6	2.2	13921.5	0.02	99.45
124.0-125.0	23.9	2.2	13923.7	0.02	99.47
125.0-126.0	24.3	2.2	13925.9	0.02	99.48
126.0-127.0	24.6	2.2	13928.0	0.02	99.50
127.0-128.0	24.8	2.2	13930.2	0.02	99.51
128.0-129.0	25.1	2.2	13932.3	0.02	99.53
129.0-130.0	25.4	2.2	13934.5	0.02	99.54
130.0-131.0	25.7	2.1	13936.6	0.02	99.56
131.0-132.0	25.9	2.1	13938.8	0.02	99.57
132.0-133.0	26.1	2.1	13940.9	0.02	99.59
133.0-134.0	26.4	2.1	13943.0	0.01	99.60
134.0-135.0	26.7	2.1	13945.1	0.01	99.62
135.0-136.0	26.9	2.1	13947.1	0.01	99.63
136.0-137.0	27.2	2.1	13949.2	0.01	99.65
137.0-138.0	27.5	2.0	13951.2	0.01	99.66
138.0-139.0	27.8	2.0	13953.2	0.01	99.68
139.0-140.0	28.1	2.0	13955.2	0.01	99.69
140.0-141.0	28.4	2.0	13957.2	0.01	99.70
141.0-142.0	28.7	2.0	13959.2	0.01	99.72
142.0-143.0	28.9	1.9	13961.1	0.01	99.73
143.0-144.0	29.2	1.9	13963.0	0.01	99.75

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.967 m

Humidity:

Inspector:

Zonal Lumen (Continue 4)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	29.4	1.9	13964.9	0.01	99.76
145.0-146.0	29.6	1.8	13966.7	0.01	99.77
146.0-147.0	29.8	1.8	13968.5	0.01	99.79
147.0-148.0	30.0	1.8	13970.3	0.01	99.80
148.0-149.0	30.1	1.7	13972.0	0.01	99.81
149.0-150.0	30.2	1.7	13973.7	0.01	99.82
150.0-151.0	30.3	1.6	13975.3	0.01	99.83
151.0-152.0	30.3	1.6	13976.9	0.01	99.85
152.0-153.0	30.2	1.5	13978.4	0.01	99.86
153.0-154.0	30.2	1.5	13979.9	0.01	99.87
154.0-155.0	30.2	1.4	13981.3	0.01	99.88
155.0-156.0	30.1	1.4	13982.7	0.01	99.89
156.0-157.0	30.0	1.3	13984.0	0.01	99.90
157.0-158.0	29.9	1.3	13985.3	0.01	99.91
158.0-159.0	29.8	1.2	13986.5	0.01	99.91
159.0-160.0	29.7	1.1	13987.6	0.01	99.92
160.0-161.0	29.5	1.1	13988.7	0.01	99.93
161.0-162.0	29.4	1.0	13989.7	0.01	99.94
162.0-163.0	29.3	1.0	13990.7	0.01	99.94
163.0-164.0	29.1	0.9	13991.6	0.01	99.95
164.0-165.0	29.0	0.8	13992.4	0.01	99.96
165.0-166.0	28.9	0.8	13993.2	0.01	99.96
166.0-167.0	28.7	0.7	13994.0	0.01	99.97
167.0-168.0	28.6	0.7	13994.6	0.00	99.97
168.0-169.0	28.5	0.6	13995.3	0.00	99.98
169.0-170.0	28.4	0.6	13995.8	0.00	99.98
170.0-171.0	28.3	0.5	13996.3	0.00	99.98
171.0-172.0	28.3	0.5	13996.8	0.00	99.99
172.0-173.0	28.2	0.4	13997.2	0.00	99.99
173.0-174.0	28.2	0.3	13997.6	0.00	99.99
174.0-175.0	28.1	0.3	13997.9	0.00	100.00
175.0-176.0	28.1	0.2	13998.1	0.00	100.00
176.0-177.0	28.1	0.2	13998.3	0.00	100.00
177.0-178.0	28.1	0.1	13998.4	0.00	100.00
178.0-179.0	28.1	0.1	13998.5	0.00	100.00
179.0-180.0	28.1	0.0	13998.5	0.00	100.00

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.967 m

Humidity:

Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G0.0	2322.7	2323.4	2324.4	2325.0	2325.5	2326.0	2322.7	2323.4	2324.4	2325.0
G1.0	2323.4	2323.3	2323.8	2324.1	2325.2	2326.0	2324.5	2325.7	2326.8	2327.3
G2.0	2325.9	2325.1	2324.8	2325.0	2326.4	2328.1	2328.1	2329.7	2330.7	2331.0
G3.0	2329.9	2328.6	2327.6	2327.6	2329.4	2332.5	2333.4	2335.7	2336.7	2336.4
G4.0	2336.2	2333.7	2331.9	2331.0	2333.9	2337.8	2341.3	2344.6	2343.9	2344.1
G5.0	2343.0	2340.4	2337.0	2335.8	2339.5	2345.1	2349.8	2354.0	2353.6	2351.9
G6.0	2352.5	2348.4	2344.5	2341.6	2346.5	2353.9	2360.1	2364.3	2363.9	2361.1
G7.0	2362.1	2358.2	2352.3	2348.2	2355.3	2363.5	2371.0	2376.1	2374.9	2371.1
G8.0	2372.4	2368.5	2361.0	2355.7	2364.4	2375.9	2383.3	2389.4	2387.4	2382.1
G9.0	2383.0	2379.2	2370.7	2363.7	2374.7	2387.8	2396.7	2405.8	2401.1	2393.7
G10.0	2394.7	2390.6	2381.1	2371.4	2387.4	2401.2	2411.6	2421.8	2417.2	2407.4
G11.0	2407.8	2404.1	2393.2	2381.1	2399.5	2416.0	2426.3	2439.3	2433.8	2420.6
G12.0	2419.8	2416.9	2404.9	2390.6	2413.0	2431.9	2442.2	2458.4	2451.0	2434.4
G13.0	2432.8	2430.8	2417.9	2400.4	2427.9	2450.7	2458.4	2478.8	2470.2	2449.0
G14.0	2446.1	2446.1	2431.6	2411.1	2443.8	2469.1	2476.9	2503.4	2492.8	2467.1
G15.0	2460.3	2462.5	2448.4	2422.8	2462.8	2489.2	2495.3	2527.7	2515.9	2484.5
G16.0	2477.3	2479.9	2464.9	2437.6	2482.1	2511.2	2514.5	2553.7	2540.7	2503.4
G17.0	2494.1	2501.4	2483.1	2452.2	2503.2	2535.1	2535.2	2580.9	2567.7	2523.8
G18.0	2512.0	2521.8	2502.8	2468.5	2525.8	2563.2	2559.7	2613.3	2596.6	2548.6
G19.0	2532.1	2544.0	2525.0	2486.5	2550.7	2590.7	2584.0	2644.4	2630.1	2573.1
G20.0	2555.9	2571.3	2551.0	2508.7	2580.5	2619.6	2610.2	2677.5	2662.6	2599.6
G21.0	2580.3	2597.4	2577.0	2531.0	2609.8	2650.6	2638.1	2712.5	2697.1	2628.2
G22.0	2606.5	2625.8	2604.8	2555.6	2641.7	2683.5	2668.0	2748.5	2732.4	2659.0
G23.0	2635.8	2655.4	2635.1	2582.3	2676.0	2723.1	2703.3	2790.6	2773.6	2695.9
G24.0	2669.4	2690.6	2670.0	2614.8	2715.3	2760.3	2737.6	2830.4	2813.0	2732.3
G25.0	2703.4	2724.8	2704.2	2647.1	2753.6	2800.0	2774.1	2872.7	2855.0	2771.6
G26.0	2740.0	2761.6	2740.5	2682.3	2795.4	2846.7	2813.3	2917.7	2899.2	2813.6
G27.0	2778.2	2800.5	2779.4	2719.6	2838.6	2891.4	2858.3	2969.8	2946.3	2862.8
G28.0	2819.3	2842.6	2820.7	2760.3	2885.6	2940.1	2901.9	3019.9	3001.3	2910.4
G29.0	2867.2	2887.2	2870.1	2804.1	2940.7	2991.3	2948.5	3073.1	3054.8	2960.5
G30.0	2912.4	2939.2	2918.4	2854.7	2993.8	3045.1	2998.4	3131.2	3110.8	3013.2
G31.0	2960.3	2990.3	2968.3	2904.2	3048.9	3107.6	3055.8	3198.1	3175.7	3073.4
G32.0	3010.0	3043.2	3021.7	2954.5	3106.9	3167.1	3111.8	3262.7	3238.5	3130.2
G33.0	3067.9	3104.4	3082.2	3012.4	3172.3	3228.7	3169.3	3329.6	3303.4	3187.8
G34.0	3120.4	3163.0	3140.0	3066.1	3234.5	3291.3	3228.0	3398.2	3369.2	3245.5
G35.0	3175.4	3222.8	3200.1	3121.1	3298.0	3361.7	3287.9	3475.8	3436.5	3309.2
G36.0	3230.4	3283.8	3260.9	3176.0	3361.6	3426.9	3354.4	3546.7	3512.2	3367.1

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.967 m

Humidity:

Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G37.0	3291.7	3352.8	3329.3	3236.8	3433.3	3493.5	3414.1	3618.7	3580.4	3426.2
G38.0	3348.1	3417.7	3393.3	3293.1	3499.1	3560.9	3473.6	3690.9	3649.1	3486.4
G39.0	3404.9	3481.9	3457.2	3350.2	3566.0	3635.4	3532.6	3761.8	3716.8	3551.5
G40.0	3462.6	3546.6	3523.0	3408.7	3633.6	3702.6	3593.9	3836.3	3788.6	3609.4
G41.0	3517.8	3611.3	3587.7	3466.4	3699.9	3768.8	3646.6	3903.0	3854.2	3664.8
G42.0	3577.6	3681.5	3652.5	3528.6	3772.2	3834.2	3697.3	3969.0	3919.1	3718.6
G43.0	3630.1	3745.2	3723.6	3582.6	3837.3	3898.3	3748.4	4038.9	3991.1	3772.5
G44.0	3680.4	3807.9	3787.4	3631.7	3900.0	3965.7	3791.5	4102.8	4055.1	3817.5
G45.0	3728.0	3868.8	3851.4	3676.7	3961.1	4022.3	3827.6	4160.2	4115.6	3856.3
G46.0	3774.2	3933.9	3920.4	3720.2	4027.6	4074.8	3856.4	4211.3	4170.8	3888.3
G47.0	3809.8	3991.3	3979.8	3753.5	4085.4	4126.9	3875.9	4255.4	4221.3	3913.7
G48.0	3838.5	4043.3	4036.1	3779.8	4139.8	4167.9	3886.8	4295.2	4267.6	3931.9
G49.0	3857.3	4091.6	4093.0	3798.3	4192.9	4202.4	3885.0	4322.8	4302.3	3938.4
G50.0	3863.6	4139.9	4140.6	3809.2	4234.2	4229.1	3871.1	4339.1	4327.5	3934.0
G51.0	3857.3	4173.8	4180.4	3809.9	4265.3	4244.6	3843.3	4344.9	4343.0	3915.6
G52.0	3836.9	4197.9	4212.0	3800.6	4286.4	4249.2	3798.3	4336.8	4345.0	3880.4
G53.0	3803.1	4211.0	4233.1	3780.2	4296.5	4242.7	3744.1	4317.2	4333.9	3834.5
G54.0	3758.6	4211.0	4241.3	3750.0	4297.1	4226.6	3678.9	4285.5	4311.7	3775.1
G55.0	3692.6	4195.2	4235.6	3705.4	4287.8	4202.8	3591.9	4235.3	4275.8	3695.3
G56.0	3621.1	4164.2	4215.4	3653.7	4270.8	4165.6	3496.1	4173.2	4219.9	3609.5
G57.0	3543.9	4120.9	4179.8	3590.7	4242.1	4117.6	3385.9	4096.9	4154.8	3508.4
G58.0	3459.5	4061.5	4125.5	3515.8	4194.6	4054.0	3259.2	4004.0	4073.6	3386.9
G59.0	3349.2	3978.4	4061.1	3410.5	4130.4	3967.6	3109.4	3888.8	3972.1	3229.3
G60.0	3226.2	3883.2	3979.4	3280.0	4040.8	3837.4	2914.8	3727.7	3826.9	2988.8
G61.0	3073.9	3762.5	3873.6	3090.0	3920.1	3681.6	2697.6	3539.3	3652.3	2684.6
G62.0	2859.6	3611.0	3721.6	2811.0	3741.1	3487.9	2427.6	3313.4	3430.0	2322.0
G63.0	2601.4	3405.5	3545.6	2422.8	3529.6	3258.2	2096.1	3055.9	3163.4	1952.0
G64.0	2260.7	3185.0	3325.5	2039.9	3268.5	2994.0	1682.3	2742.4	2832.9	1603.9
G65.0	1875.6	2936.6	3065.7	1699.3	2966.0	2669.6	1350.0	2435.5	2525.0	1344.6
G66.0	1498.5	2678.6	2746.3	1420.8	2649.7	2354.7	1080.8	2122.0	2224.9	1085.8
G67.0	1215.5	2411.3	2445.5	1157.9	2312.9	2049.9	852.6	1813.8	1954.5	815.0
G68.0	962.9	2123.0	2159.1	887.5	2033.8	1731.8	635.0	1508.4	1677.1	626.6
G69.0	749.4	1871.9	1894.1	692.1	1781.8	1468.8	488.8	1258.6	1434.3	505.5
G70.0	593.3	1629.2	1650.4	557.4	1517.7	1239.5	393.6	1046.4	1201.5	426.2
G71.0	474.0	1371.0	1392.1	458.1	1278.1	1034.0	326.0	844.9	985.5	363.0
G72.0	398.1	1147.8	1168.3	393.5	1051.4	840.7	271.6	690.1	790.1	318.8
G73.0	341.1	946.1	968.2	343.3	858.0	689.3	232.4	562.5	651.0	281.1

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.967 m

Humidity:

Inspector:

Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G74.0	295.8	771.5	788.3	300.9	694.3	564.8	199.6	464.3	544.9	248.5
G75.0	254.6	621.6	664.1	261.8	583.0	471.1	170.9	390.1	460.4	216.1
G76.0	222.0	515.0	566.9	229.9	494.9	395.3	143.0	322.7	385.7	190.5
G77.0	193.4	429.5	488.9	201.3	421.4	323.0	120.9	267.4	328.7	167.5
G78.0	167.6	363.5	424.0	175.9	353.4	267.2	100.5	222.0	278.9	147.2
G79.0	142.7	305.1	364.4	153.9	300.3	221.2	82.0	181.3	236.3	128.1
G80.0	123.3	259.4	316.0	133.0	254.2	182.6	63.7	149.8	196.2	112.7
G81.0	105.8	218.9	271.8	116.2	213.9	145.0	48.7	117.0	163.2	98.6
G82.0	90.5	182.5	229.1	100.8	177.5	108.5	36.6	83.0	131.9	85.2
G83.0	76.4	148.2	179.5	86.4	136.6	75.3	25.6	56.5	100.1	72.3
G84.0	62.3	114.1	138.2	70.8	102.7	50.7	15.6	32.8	71.1	59.4
G85.0	50.5	87.2	104.0	58.2	73.6	28.5	8.8	17.9	50.3	48.3
G86.0	39.5	65.8	78.3	47.0	51.5	16.3	4.5	9.8	34.7	37.5
G87.0	28.8	47.5	56.8	35.8	33.9	9.8	4.6	7.9	22.6	26.9
G88.0	20.3	33.5	40.7	25.7	22.3	8.8	4.9	7.5	15.1	18.2
G89.0	13.6	21.6	26.7	16.0	15.2	8.1	5.5	7.5	11.4	10.6
G90.0	10.2	13.9	16.0	8.7	10.7	7.6	5.9	7.3	8.8	7.4
G91.0	8.2	9.1	9.6	6.6	8.3	7.3	6.4	7.5	7.8	7.0
G92.0	7.0	7.6	8.0	6.4	7.3	7.2	7.1	8.1	8.0	7.0
G93.0	6.6	7.4	8.0	6.5	7.6	7.8	7.5	8.7	8.6	7.5
G94.0	6.9	7.7	8.4	7.0	8.3	8.6	8.0	9.3	9.1	8.1
G95.0	7.3	8.3	8.9	7.6	8.9	9.3	8.7	9.9	9.7	8.7
G96.0	7.9	8.8	9.4	8.1	9.5	10.1	9.3	10.4	10.3	9.3
G97.0	8.5	9.4	9.9	8.7	10.2	10.7	9.9	11.1	11.1	9.9
G98.0	9.2	10.0	10.4	9.3	10.7	11.2	10.6	11.8	11.8	10.5
G99.0	9.8	10.5	11.0	9.9	11.3	11.8	11.3	12.5	12.3	11.1
G100.0	10.4	11.5	11.8	10.7	11.9	12.5	11.9	13.0	12.9	11.9
G101.0	11.1	11.9	12.3	11.2	12.3	13.1	12.5	13.6	13.4	12.5
G102.0	11.8	12.6	12.9	11.8	13.0	13.9	13.2	14.1	14.0	13.1
G103.0	12.3	13.2	13.5	12.3	13.6	14.5	13.8	14.9	14.7	13.8
G104.0	13.0	13.8	14.3	13.0	14.2	15.1	14.5	15.4	15.2	14.3
G105.0	13.6	14.6	14.7	13.6	14.8	15.7	15.1	16.0	15.8	15.0
G106.0	14.3	15.1	15.4	14.3	15.5	16.4	15.7	16.6	16.4	15.7
G107.0	14.9	15.8	16.0	14.9	16.1	16.9	16.4	17.0	17.0	16.3
G108.0	15.6	16.2	16.6	15.6	16.6	17.2	17.0	17.3	17.4	16.8
G109.0	16.1	16.8	17.1	16.3	17.1	17.8	17.5	18.0	18.0	17.4
G110.0	16.6	17.2	17.7	16.8	17.6	18.6	18.1	18.4	18.6	18.1

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.967 m

Humidity:

Inspector:

Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G111.0	17.2	17.9	18.1	17.3	18.0	18.9	18.7	18.9	18.9	18.6
G112.0	17.8	18.4	18.7	17.9	18.7	19.4	19.1	19.5	19.4	19.3
G113.0	18.4	19.0	19.2	18.6	19.1	19.8	19.7	19.8	20.0	19.8
G114.0	18.9	19.5	19.6	19.1	19.7	20.1	20.2	20.3	20.5	20.3
G115.0	19.5	19.9	20.0	19.5	20.1	20.5	20.7	20.6	20.8	20.7
G116.0	20.2	20.3	20.4	20.3	20.7	20.9	21.1	21.1	21.2	21.0
G117.0	20.6	20.9	20.9	20.6	21.0	21.3	21.5	21.6	21.5	21.5
G118.0	21.1	21.1	21.3	21.0	21.4	21.8	22.0	21.9	21.9	21.9
G119.0	21.5	21.5	21.6	21.5	21.8	22.3	22.6	22.0	22.1	22.3
G120.0	21.9	21.8	22.1	22.0	22.0	22.4	22.9	22.7	22.4	22.9
G121.0	22.4	22.1	22.3	22.3	22.5	22.8	23.3	22.9	22.9	23.3
G122.0	22.6	22.6	22.7	22.6	22.7	23.4	23.8	23.2	23.2	23.6
G123.0	23.2	23.1	23.1	22.9	23.2	23.6	24.2	23.7	23.5	23.7
G124.0	23.5	23.4	23.2	23.2	23.5	24.0	24.3	24.0	23.7	24.0
G125.0	23.8	23.6	23.6	23.7	23.9	24.3	24.7	24.3	24.2	24.5
G126.0	24.1	24.0	24.0	23.9	24.2	24.6	25.1	24.6	24.4	24.8
G127.0	24.6	24.3	24.2	24.2	24.5	24.8	25.3	24.9	24.6	25.1
G128.0	25.0	24.7	24.4	24.6	24.8	25.1	25.6	25.1	25.0	25.3
G129.0	25.4	25.3	24.6	24.7	25.3	25.4	25.9	25.3	25.3	25.5
G130.0	25.5	25.4	25.0	25.0	25.6	25.7	26.2	25.6	25.6	25.7
G131.0	25.8	25.7	25.4	25.3	25.9	25.7	26.4	25.7	25.7	26.1
G132.0	26.1	26.1	25.5	25.6	26.1	25.9	26.5	26.0	26.0	26.2
G133.0	26.3	26.4	25.7	25.8	26.4	26.2	26.7	26.5	26.3	26.3
G134.0	26.6	26.5	26.2	26.0	26.5	26.6	26.9	26.6	26.4	26.5
G135.0	26.9	26.9	26.3	26.4	26.7	26.8	27.3	26.8	26.6	26.8
G136.0	27.1	27.1	26.6	26.5	27.1	26.9	27.4	27.1	27.0	27.0
G137.0	27.4	27.4	26.9	26.6	27.2	27.2	27.6	27.4	27.5	27.3
G138.0	27.7	27.6	27.2	27.1	27.7	27.6	27.8	27.7	27.7	27.5
G139.0	28.0	28.0	27.7	27.2	28.0	28.1	28.2	28.2	27.9	27.8
G140.0	28.4	28.1	28.0	27.5	28.3	28.3	28.3	28.5	28.2	27.8
G141.0	28.6	28.6	28.5	27.9	28.7	28.7	28.5	28.7	28.4	28.2
G142.0	28.7	28.9	28.9	28.0	29.0	29.1	28.8	29.1	28.9	28.4
G143.0	29.2	29.0	29.3	28.5	29.2	29.3	29.0	29.3	29.1	28.6
G144.0	29.5	29.4	29.5	28.6	29.4	29.5	29.3	29.6	29.2	28.8
G145.0	29.7	29.8	29.9	28.9	29.7	29.9	29.4	29.9	29.4	29.0
G146.0	29.9	29.8	29.9	29.1	29.9	30.1	29.6	30.0	29.6	29.1
G147.0	30.3	30.1	30.5	29.4	30.2	30.4	29.6	30.1	29.6	29.2

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.967 m

Humidity:

Inspector:

Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G148.0	30.2	30.4	30.6	29.6	30.3	30.4	29.8	30.1	29.9	29.6
G149.0	30.4	30.6	30.8	29.8	30.6	30.5	29.8	30.3	29.9	29.6
G150.0	30.6	30.5	30.9	29.9	30.6	30.5	30.0	30.3	29.8	29.7
G151.0	30.7	30.6	31.0	30.1	30.4	30.6	30.1	30.4	29.9	29.6
G152.0	30.6	30.8	31.0	30.0	30.3	30.5	30.0	30.4	29.8	29.7
G153.0	30.7	30.4	31.0	30.1	30.1	30.6	29.9	30.3	29.7	29.8
G154.0	30.8	30.6	31.0	30.1	30.0	30.6	29.8	30.2	29.8	29.6
G155.0	30.6	30.4	31.0	30.2	30.0	30.4	29.8	30.2	29.6	29.8
G156.0	30.5	30.4	30.8	30.1	29.9	30.4	29.5	30.1	29.5	29.5
G157.0	30.5	30.3	30.8	29.9	29.9	30.1	29.6	30.0	29.3	29.4
G158.0	30.3	30.0	30.6	29.9	29.8	30.2	29.4	29.7	29.2	29.4
G159.0	30.4	30.0	30.5	29.8	29.6	29.8	29.4	29.8	29.2	29.3
G160.0	30.3	30.0	30.4	29.7	29.5	29.8	29.1	29.6	29.1	29.3
G161.0	30.0	29.8	30.2	29.5	29.4	29.7	29.1	29.4	28.8	29.0
G162.0	29.9	29.5	30.1	29.3	29.2	29.5	29.2	29.2	28.7	28.8
G163.0	29.7	29.4	29.9	29.1	29.0	29.2	29.3	29.2	28.8	28.8
G164.0	29.4	29.4	29.6	29.1	28.9	29.3	28.9	29.0	28.6	28.7
G165.0	29.2	29.3	29.5	29.0	28.9	29.2	28.8	28.9	28.5	28.4
G166.0	29.1	29.1	29.4	28.8	28.7	29.0	28.6	28.7	28.4	28.5
G167.0	29.1	29.0	29.2	28.7	28.5	28.9	28.4	28.5	28.4	28.3
G168.0	29.0	28.9	29.1	28.6	28.4	28.6	28.4	28.4	28.4	28.2
G169.0	28.8	28.7	29.1	28.4	28.5	28.7	28.4	28.3	28.2	28.1
G170.0	28.8	28.5	28.9	28.4	28.2	28.7	28.2	28.4	28.0	28.1
G171.0	28.7	28.3	28.8	28.4	28.2	28.5	28.2	28.2	28.0	28.0
G172.0	28.6	28.3	28.7	28.3	28.2	28.5	28.3	28.4	28.0	27.9
G173.0	28.6	28.1	28.7	28.3	28.1	28.3	28.1	28.2	28.0	28.0
G174.0	28.4	28.0	28.5	28.2	27.9	28.3	28.2	28.3	27.8	27.9
G175.0	28.4	28.0	28.4	28.3	28.0	28.2	28.1	28.1	28.1	28.1
G176.0	28.3	28.1	28.4	28.2	28.0	28.2	28.0	28.1	28.0	28.2
G177.0	28.3	28.0	28.4	28.2	27.9	28.0	27.9	28.2	28.1	28.1
G178.0	28.4	27.9	28.5	28.1	27.9	28.1	28.0	28.0	28.2	28.1
G179.0	28.1	27.8	28.1	28.2	27.8	28.2	28.0	28.3	28.1	28.3
G180.0	28.4	27.8	28.1	28.0	27.8	28.5	28.2	28.2	27.9	28.7

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.967 m
 Humidity:
 Inspector:

Candlepower Table (Continue 5)

Unit: cd

G\C	C300.0	C330.0	C360.0						
G0.0	2325.5	2326.0	2322.7						
G1.0	2327.8	2327.3	2323.4						
G2.0	2331.4	2330.8	2325.9						
G3.0	2336.7	2336.4	2329.9						
G4.0	2343.4	2343.2	2336.2						
G5.0	2352.5	2351.2	2343.0						
G6.0	2362.4	2361.1	2352.5						
G7.0	2373.6	2372.8	2362.1						
G8.0	2385.7	2384.9	2372.4						
G9.0	2399.5	2398.0	2383.0						
G10.0	2415.0	2411.9	2394.7						
G11.0	2430.6	2427.1	2407.8						
G12.0	2447.7	2443.2	2419.8						
G13.0	2465.4	2462.4	2432.8						
G14.0	2487.1	2480.4	2446.1						
G15.0	2508.5	2500.4	2460.3						
G16.0	2531.1	2521.9	2477.3						
G17.0	2555.5	2547.5	2494.1						
G18.0	2582.0	2571.5	2512.0						
G19.0	2612.6	2598.2	2532.1						
G20.0	2642.7	2626.9	2555.9						
G21.0	2674.5	2658.0	2580.3						
G22.0	2708.2	2694.5	2606.5						
G23.0	2747.5	2729.6	2635.8						
G24.0	2786.1	2766.7	2669.4						
G25.0	2827.1	2806.0	2703.4						
G26.0	2871.0	2852.9	2740.0						
G27.0	2917.8	2898.4	2778.2						
G28.0	2972.4	2948.4	2819.3						
G29.0	3024.9	3005.4	2867.2						
G30.0	3080.4	3061.5	2912.4						
G31.0	3138.0	3120.6	2960.3						
G32.0	3205.2	3182.4	3010.0						
G33.0	3267.1	3247.4	3067.9						
G34.0	3329.9	3319.1	3120.4						
G35.0	3394.6	3386.9	3175.4						
G36.0	3467.1	3453.7	3230.4						

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.967 m
 Humidity:
 Inspector:

Candlepower Table (Continue 6)

Unit: cd

G\C	C300.0	C330.0	C360.0						
G37.0	3533.3	3522.5	3291.7						
G38.0	3600.4	3598.4	3348.1						
G39.0	3667.1	3666.0	3404.9						
G40.0	3737.6	3731.9	3462.6						
G41.0	3800.4	3795.8	3517.8						
G42.0	3862.2	3866.8	3577.6						
G43.0	3923.4	3928.9	3630.1						
G44.0	3989.5	3991.8	3680.4						
G45.0	4048.4	4052.4	3728.0						
G46.0	4104.2	4116.5	3774.2						
G47.0	4157.7	4171.7	3809.8						
G48.0	4209.7	4221.3	3838.5						
G49.0	4248.8	4266.1	3857.3						
G50.0	4280.0	4307.0	3863.6						
G51.0	4299.3	4333.5	3857.3						
G52.0	4306.0	4349.6	3836.9						
G53.0	4297.7	4355.2	3803.1						
G54.0	4277.1	4350.0	3758.6						
G55.0	4240.9	4331.4	3692.6						
G56.0	4183.8	4296.5	3621.1						
G57.0	4116.7	4244.7	3543.9						
G58.0	4033.2	4164.9	3459.5						
G59.0	3931.3	4067.8	3349.2						
G60.0	3808.8	3948.9	3226.2						
G61.0	3638.6	3800.9	3073.9						
G62.0	3438.7	3602.3	2859.6						
G63.0	3191.6	3386.1	2601.4						
G64.0	2879.7	3139.9	2260.7						
G65.0	2579.8	2875.2	1875.6						
G66.0	2284.9	2567.2	1498.5						
G67.0	2013.0	2286.7	1215.5						
G68.0	1736.9	2007.9	962.9						
G69.0	1500.1	1738.8	749.4						
G70.0	1272.9	1457.4	593.3						
G71.0	1061.4	1213.0	474.0						
G72.0	865.7	991.9	398.1						
G73.0	721.0	802.6	341.1						

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.967 m
 Humidity:
 Inspector:

Candlepower Table (Continue 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	606.4	637.9	295.8							
G75.0	517.6	524.7	254.6							
G76.0	442.2	436.7	222.0							
G77.0	385.8	370.8	193.4							
G78.0	337.4	313.6	167.6							
G79.0	295.5	268.8	142.7							
G80.0	253.4	228.6	123.3							
G81.0	217.3	191.9	105.8							
G82.0	178.8	154.5	90.5							
G83.0	140.1	122.3	76.4							
G84.0	105.0	95.0	62.3							
G85.0	79.9	73.3	50.5							
G86.0	60.0	54.0	39.5							
G87.0	44.1	39.5	28.8							
G88.0	29.5	27.0	20.3							
G89.0	18.4	17.8	13.6							
G90.0	11.5	12.1	10.2							
G91.0	8.6	8.8	8.2							
G92.0	8.4	7.9	7.0							
G93.0	8.7	8.1	6.6							
G94.0	9.0	8.6	6.9							
G95.0	9.6	9.2	7.3							
G96.0	10.3	9.7	7.9							
G97.0	10.9	10.5	8.5							
G98.0	11.4	11.1	9.2							
G99.0	11.9	11.7	9.8							
G100.0	12.7	12.1	10.4							
G101.0	13.3	12.8	11.1							
G102.0	14.0	13.6	11.8							
G103.0	14.7	14.0	12.3							
G104.0	15.2	14.7	13.0							
G105.0	15.9	15.4	13.6							
G106.0	16.4	16.1	14.3							
G107.0	17.0	16.6	14.9							
G108.0	17.4	17.1	15.6							
G109.0	18.0	17.9	16.1							
G110.0	18.5	18.4	16.6							

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.967 m
 Humidity:
 Inspector:

Candlepower Table (Continue 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	19.1	18.9	17.2							
G112.0	19.5	19.3	17.8							
G113.0	20.0	19.9	18.4							
G114.0	20.7	20.3	18.9							
G115.0	20.9	20.8	19.5							
G116.0	21.5	21.4	20.2							
G117.0	21.6	21.6	20.6							
G118.0	22.0	21.9	21.1							
G119.0	22.5	22.4	21.5							
G120.0	22.8	22.8	21.9							
G121.0	23.0	23.3	22.4							
G122.0	23.5	23.6	22.6							
G123.0	23.8	24.1	23.2							
G124.0	24.1	24.2	23.5							
G125.0	24.5	24.5	23.8							
G126.0	24.8	24.8	24.1							
G127.0	24.8	25.1	24.6							
G128.0	25.1	25.4	25.0							
G129.0	25.3	25.8	25.4							
G130.0	25.6	26.1	25.5							
G131.0	25.7	26.4	25.8							
G132.0	26.0	26.5	26.1							
G133.0	26.2	26.8	26.3							
G134.0	26.4	26.9	26.6							
G135.0	26.8	27.3	26.9							
G136.0	27.1	27.3	27.1							
G137.0	27.3	27.7	27.4							
G138.0	27.7	27.9	27.7							
G139.0	28.0	28.2	28.0							
G140.0	28.5	28.5	28.4							
G141.0	28.7	28.8	28.6							
G142.0	28.9	29.1	28.7							
G143.0	29.0	29.3	29.2							
G144.0	29.2	29.5	29.5							
G145.0	29.4	29.8	29.7							
G146.0	29.6	30.0	29.9							
G147.0	29.8	30.2	30.3							

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.967 m
 Humidity:
 Inspector:

Candlepower Table (Continue 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	29.9	30.1	30.2							
G149.0	30.0	30.2	30.4							
G150.0	30.1	30.3	30.6							
G151.0	30.0	30.3	30.7							
G152.0	30.1	30.2	30.6							
G153.0	30.2	30.2	30.7							
G154.0	29.9	30.1	30.8							
G155.0	29.9	30.1	30.6							
G156.0	29.7	29.9	30.5							
G157.0	29.8	29.9	30.5							
G158.0	29.5	29.8	30.3							
G159.0	29.5	29.6	30.4							
G160.0	29.3	29.7	30.3							
G161.0	29.2	29.3	30.0							
G162.0	29.2	29.3	29.9							
G163.0	29.1	29.2	29.7							
G164.0	28.8	28.8	29.4							
G165.0	28.7	28.7	29.2							
G166.0	28.7	28.6	29.1							
G167.0	28.4	28.6	29.1							
G168.0	28.3	28.4	29.0							
G169.0	28.1	28.3	28.8							
G170.0	28.1	28.1	28.8							
G171.0	27.9	28.0	28.7							
G172.0	28.0	28.0	28.6							
G173.0	28.1	28.0	28.6							
G174.0	28.1	27.8	28.4							
G175.0	27.9	27.9	28.4							
G176.0	27.9	27.8	28.3							
G177.0	27.9	27.8	28.3							
G178.0	27.7	27.9	28.4							
G179.0	27.7	27.8	28.1							
G180.0	28.0	27.9	28.4							

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.967 m
 Humidity:
 Inspector: