

Report No.:

Test Time: 2016-12-31 10:11

Luminaire Property

Luminaire Manufacturer:

Luminaire Description:

Voltage: 120.3 V

Power: 150.90 W

Current: 1.257 A

Power Factor: 0.998

Photometric Results

CIE Class: Direct

Measurement Flux: 21214.1 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(10%,25%,50%,75%): H144.6,H134.2,H127.4,H120.8

Vertical Diffuse Angle(10%,25%,50%,75%): V143.3,V132.8,V125.9,V120.4

Luminaire Efficacy Rating (LER): 140.63

Max. Intensity: 6791.73 cd

S/MH(C0/C180): 2.26

Total Rated Lamp Lumens: 21214.1 lm

Efficiency: 100%

Upward Ratio: 0%

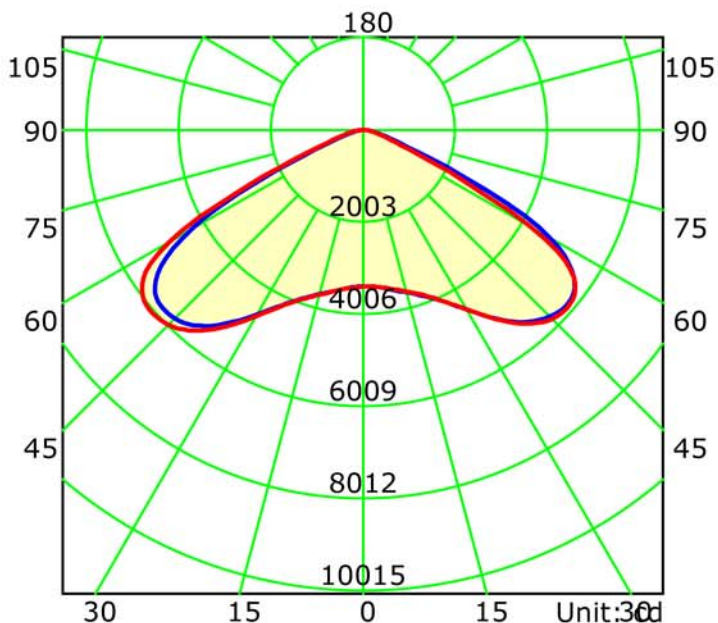
Central Intensity: 3400.44 cd

Pos of Max. Intensity: H240 V52

S/MH(C90/C270): 2.29

Picture Of Luminaire

Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 126.6°

— 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

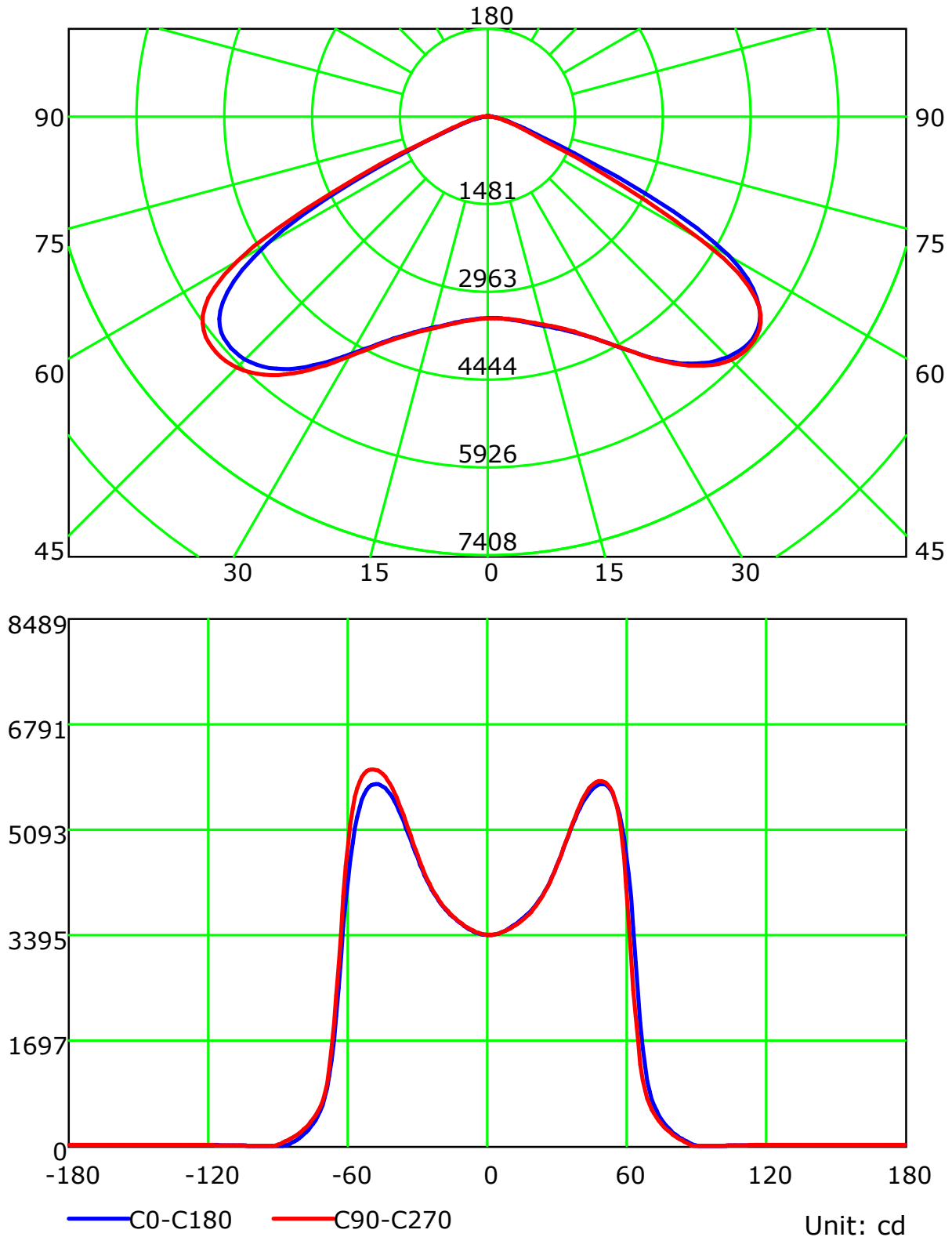
Test Device: GPM-1600

Distance: 8.567 m

Humidity:

Inspector:

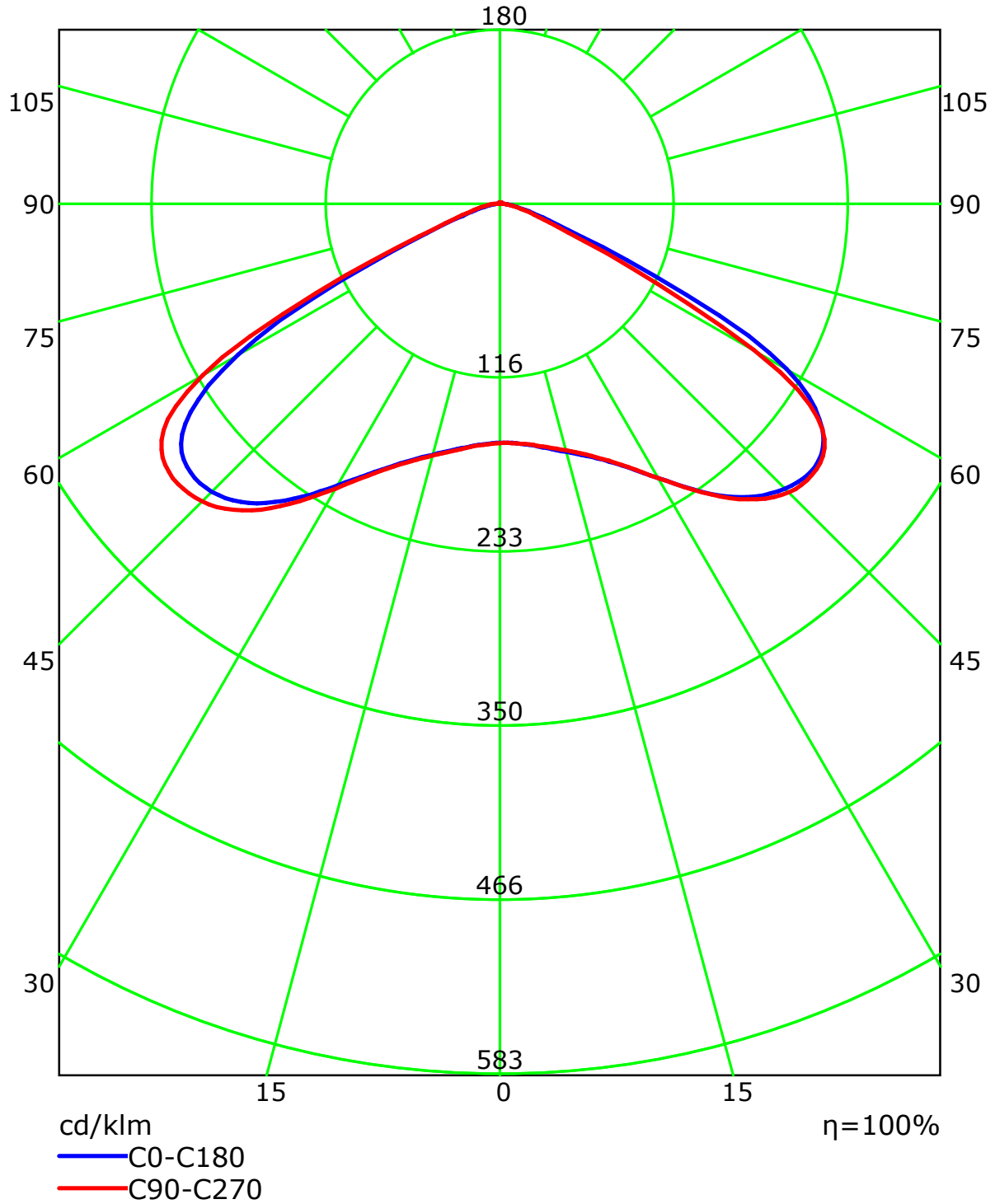
Luminous Intensity Distribution Curve



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-1600
Distance: 8.567 m
Humidity:
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



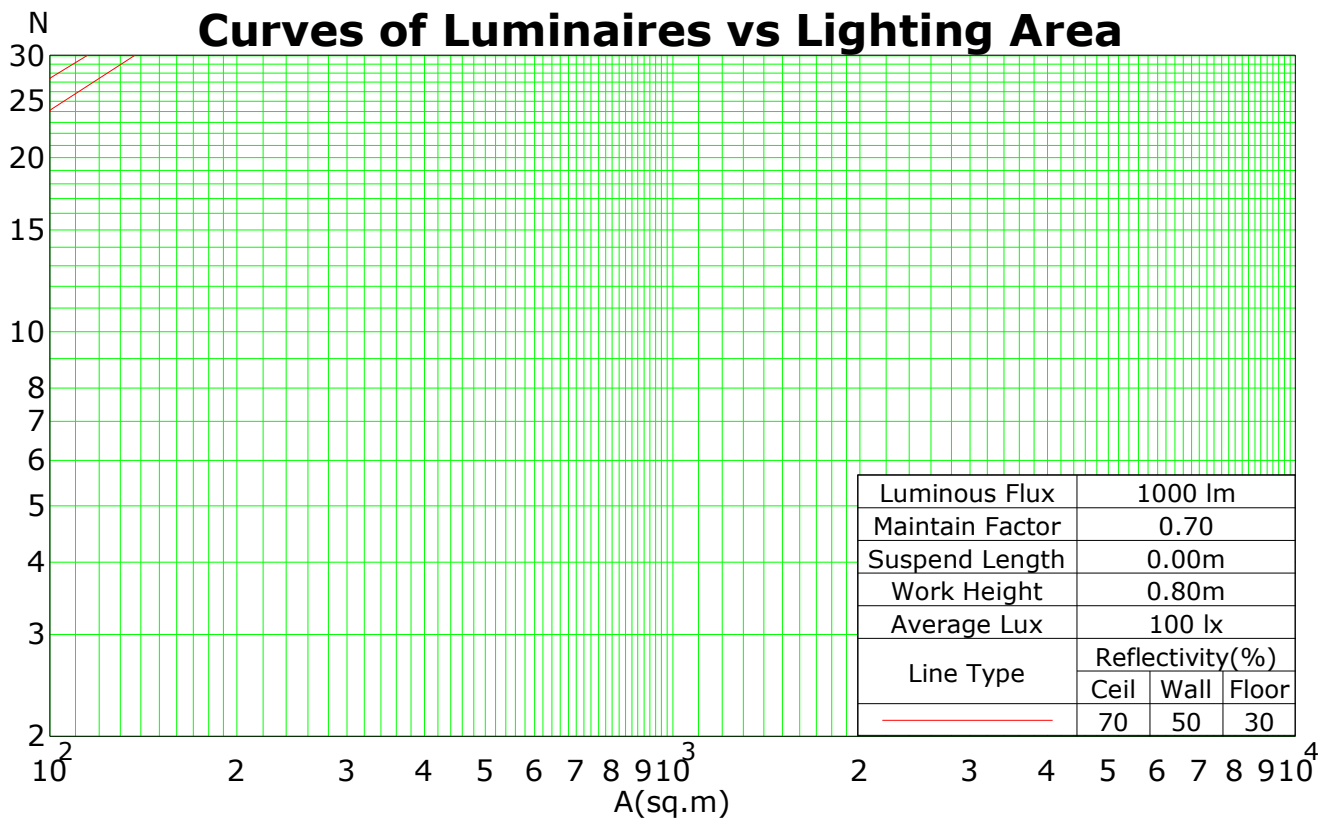
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 8.567 m
Humidity:
Inspector:

Coefficients Of Utilization - Zonal Cavity Method

RC	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0
RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
RCR	RF = 0.2																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68
3	88	77	68	61	86	75	67	61	72	65	60	69	63	59	67	62	57	55
4	80	67	57	50	77	65	57	50	63	55	49	60	54	48	58	52	48	45
5	72	58	49	42	70	57	48	41	55	47	41	53	46	40	51	45	40	37
6	66	52	42	35	64	51	41	35	49	40	34	47	40	34	45	39	34	31
7	60	46	36	30	59	45	36	30	43	35	29	42	35	29	40	34	29	27
8	56	41	32	26	54	40	32	26	39	31	25	38	30	25	36	30	25	23
9	52	37	28	22	50	37	28	22	35	28	22	34	27	22	33	27	22	20
10	48	34	25	20	47	33	25	20	32	25	20	31	24	19	30	24	19	17

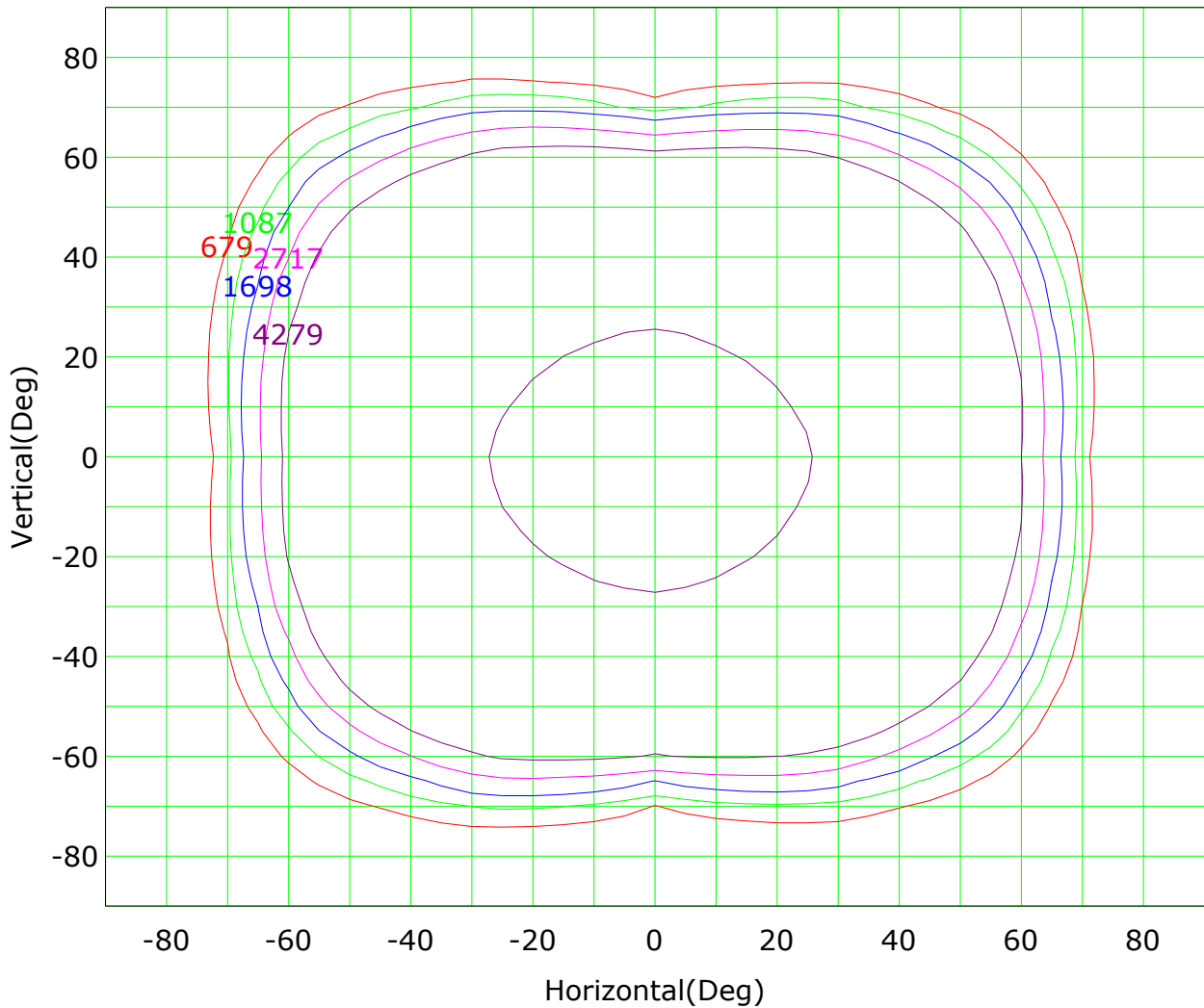
Spacing Criteria (0-180): 2.26
 Spacing Criteria (90-270): 2.29
 Spacing Criteria (Diagonal): 2.33



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-1600
 Distance: 8.567 m
 Humidity:
 Inspector:

Isocandela (rectangle)



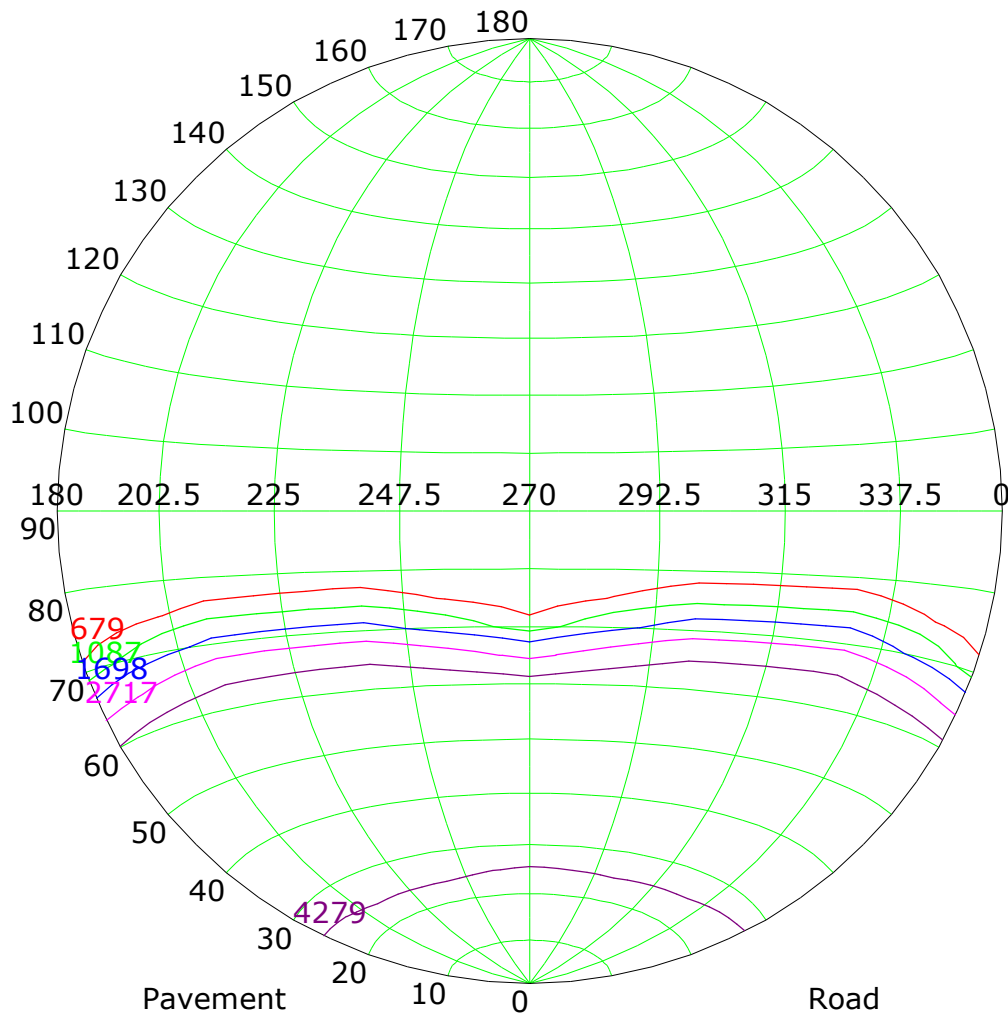
Imax (100%): 6792 cd

(10%): 679 cd	(16%): 1087 cd
(25%): 1698 cd	(40%): 2717 cd
(63%): 4279 cd	(100%): 6792 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-1600
Distance: 8.567 m
Humidity:
Inspector:

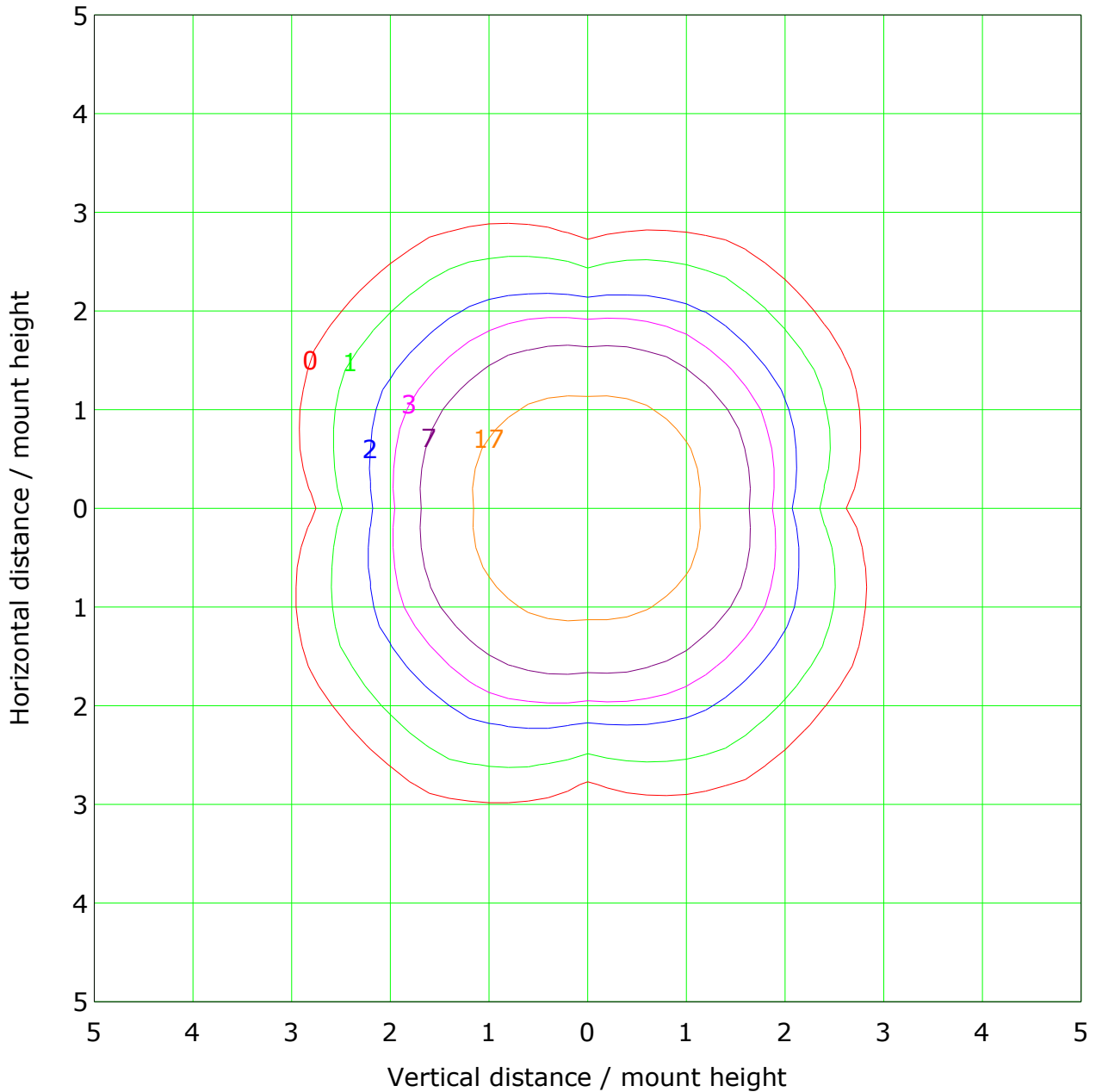
Isocandela (sphere)



Imax (100%): 6792 cd

(10%): 679 cd	(16%): 1087 cd
(25%): 1698 cd	(40%): 2717 cd
(63%): 4279 cd	(100%): 6792 cd

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 34.2 lx

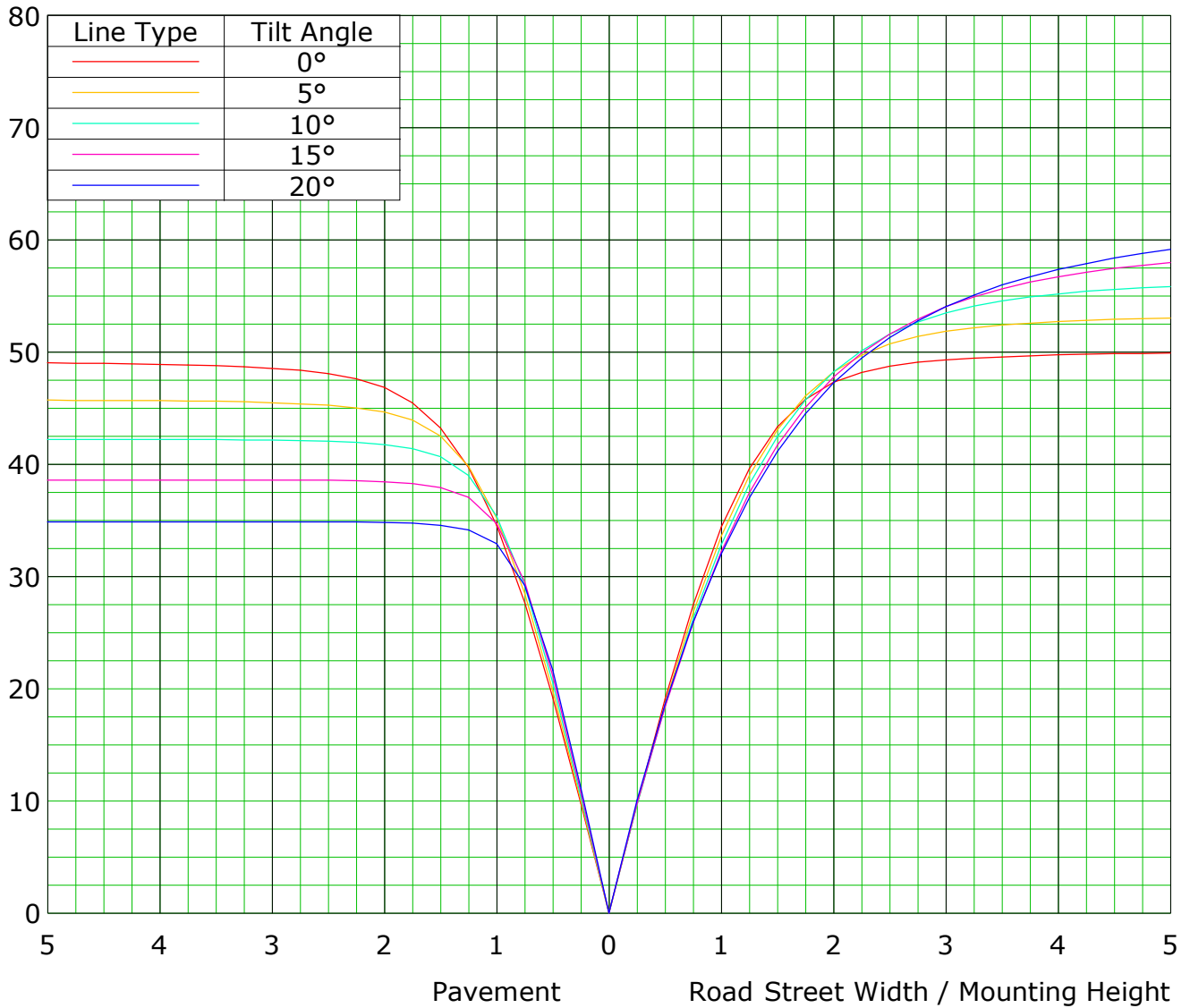
(1%): 0.3 lx	(2%): 0.7 lx
(5%): 1.7 lx	(10%): 3.4 lx
(20%): 6.8 lx	(50%): 17.1 lx
(100%): 34.2 lx	

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-1600
Distance: 8.567 m
Humidity:
Inspector:

Roadway CU Curve

Efficiency(%)



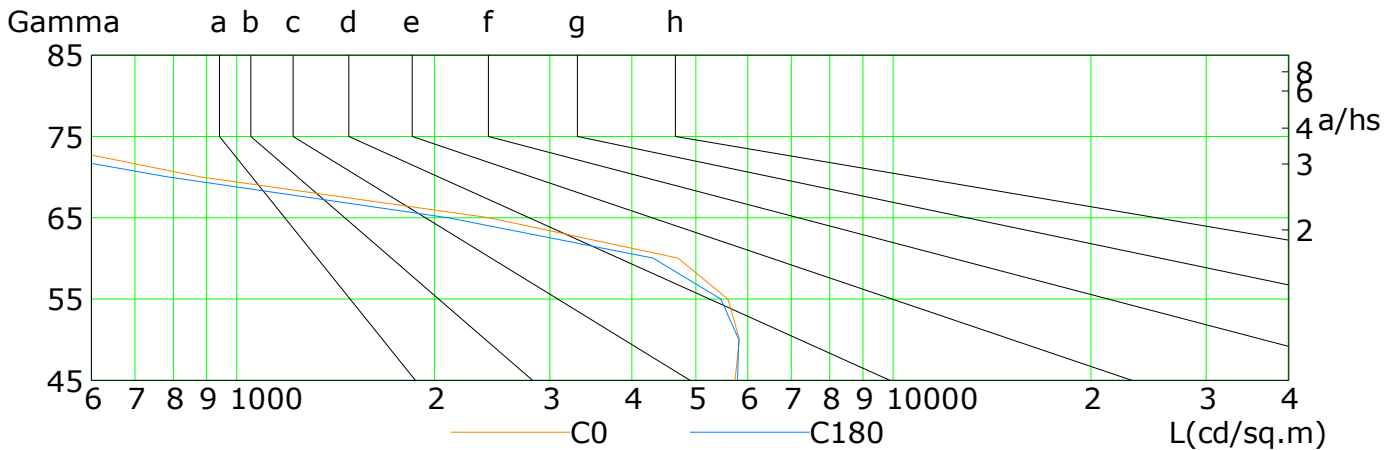
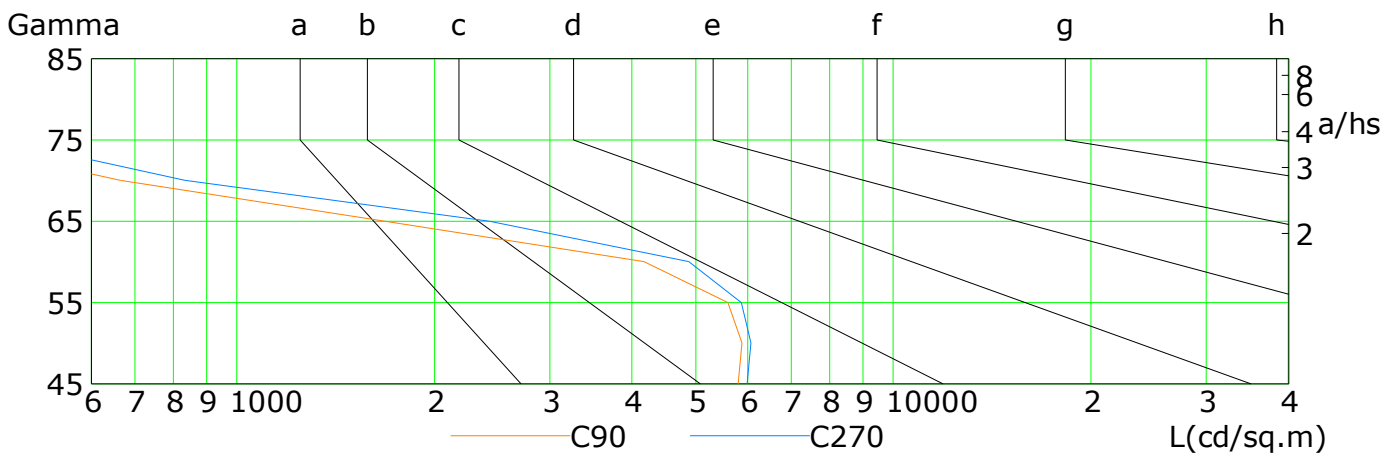
C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 8.567 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

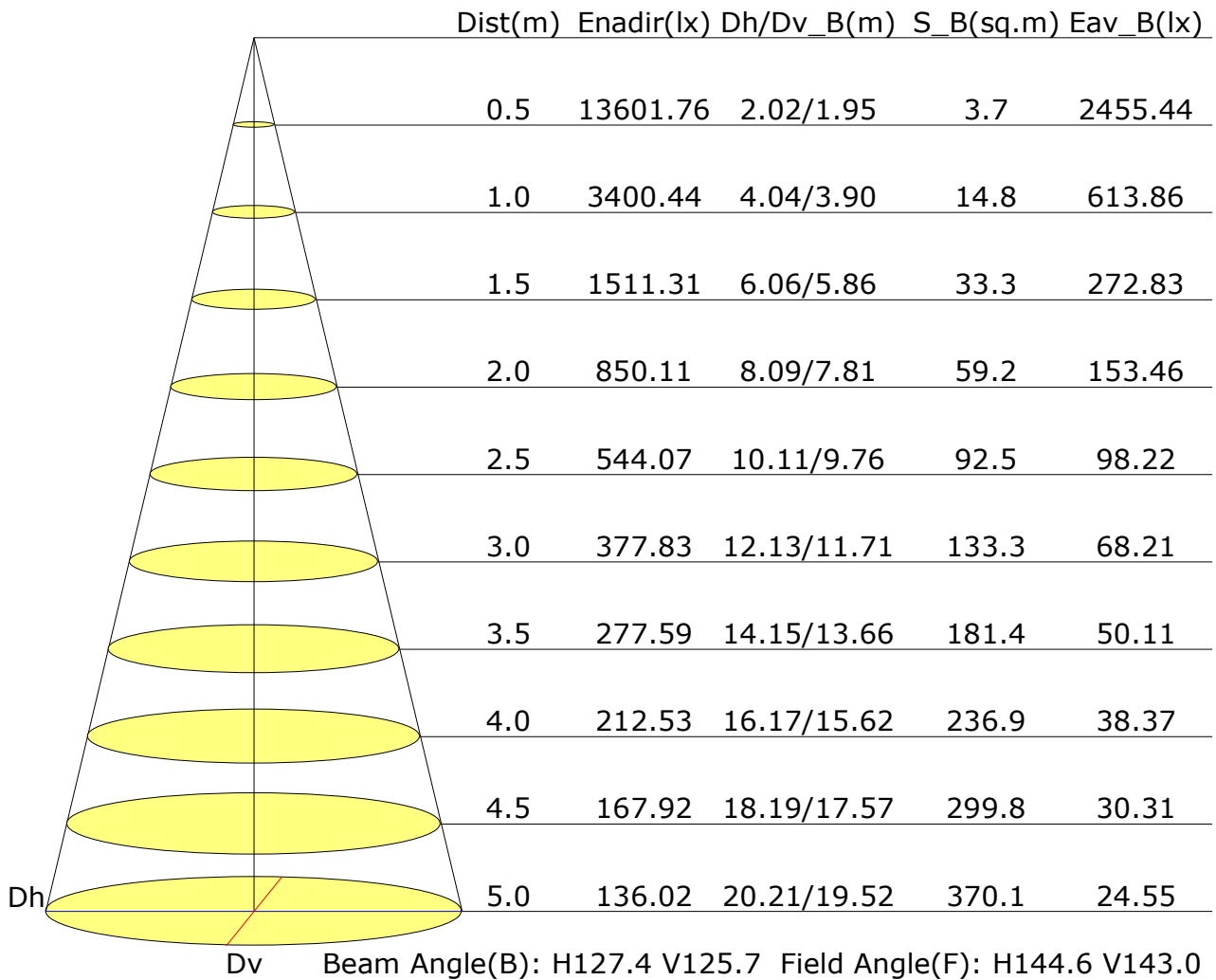


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	5736	5836	5595	4704	2420	878	434	218	93
C90	5809	5877	5598	4168	1682	665	359	184	69
C180	5796	5814	5463	4303	2100	783	359	158	39
C270	5992	6071	5871	4880	2430	833	441	238	116

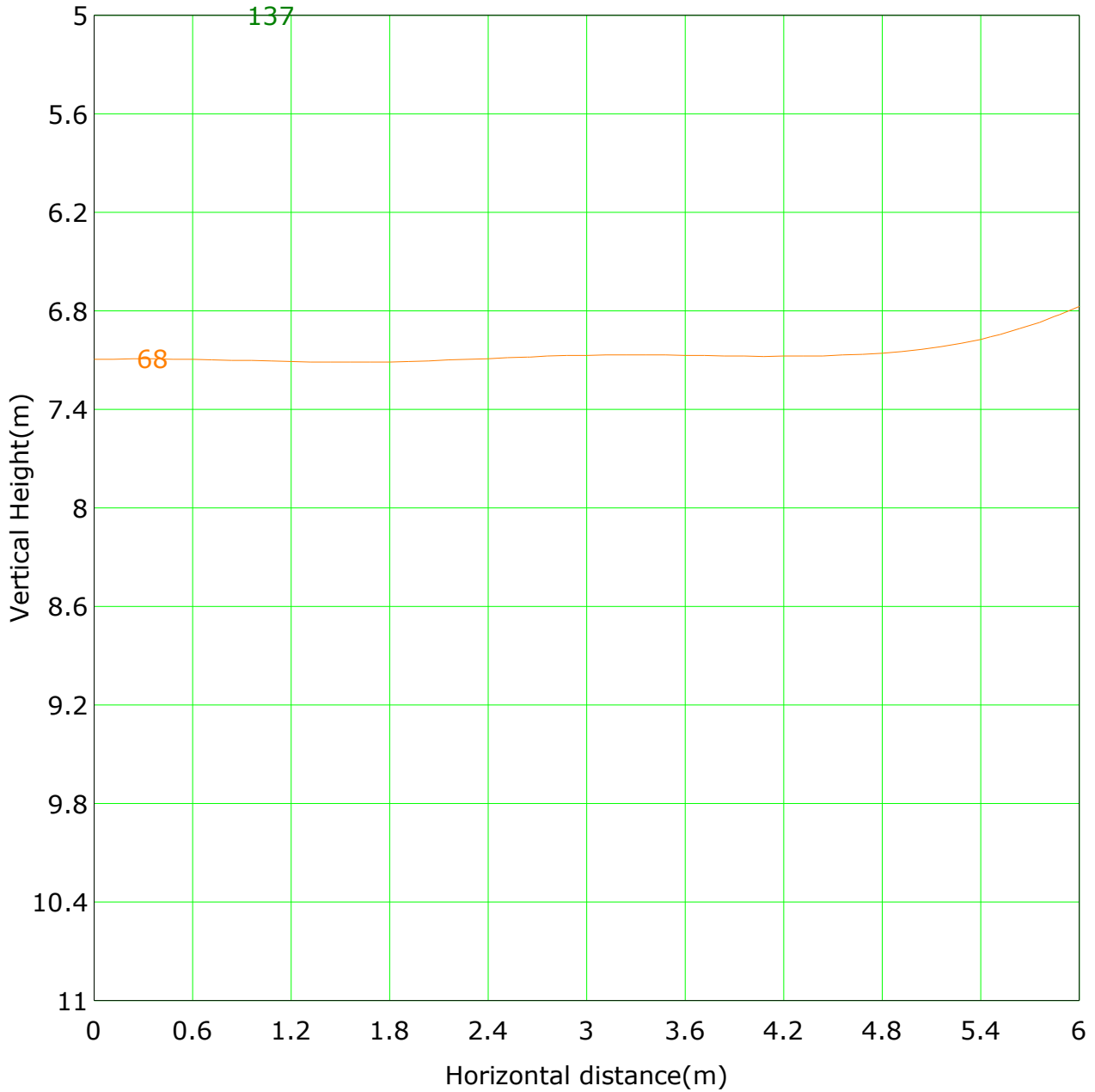
C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 8.567 m
 Humidity:
 Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 5.0m	Highest(m): 11.0m	Max Lux: 136.6 lx
— (1%): 1.4 lx	— (2%): 2.7 lx	
— (5%): 6.8 lx	— (10%): 13.7 lx	
— (20%): 27.3 lx	— (50%): 68.3 lx	
— (100%): 136.6 lx		

Tel:
Fax:

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	0.3	0.9	2.0	3.3	4.2	4.3	4.0	4.2	4.9	5.2	4.5	3.2	2.1	1.1	1.1	0.4	0.1	44.7	0.0
Flux(T)	2.1	35.9	266.6	915.7	505.0	850.5	988.6	978.8	911.0	911.2	979.8	992.9	867.9	550.7	989.1	313.1	47.2	4.4	21111		
Flux(E)	0.0	4.6	241.7	894.7	484.1	828.8	966.5	954.4	884.1	884.3	955.3	969.9	845.5	528.9	967.1	1287.4	11.8	0.0		20709	

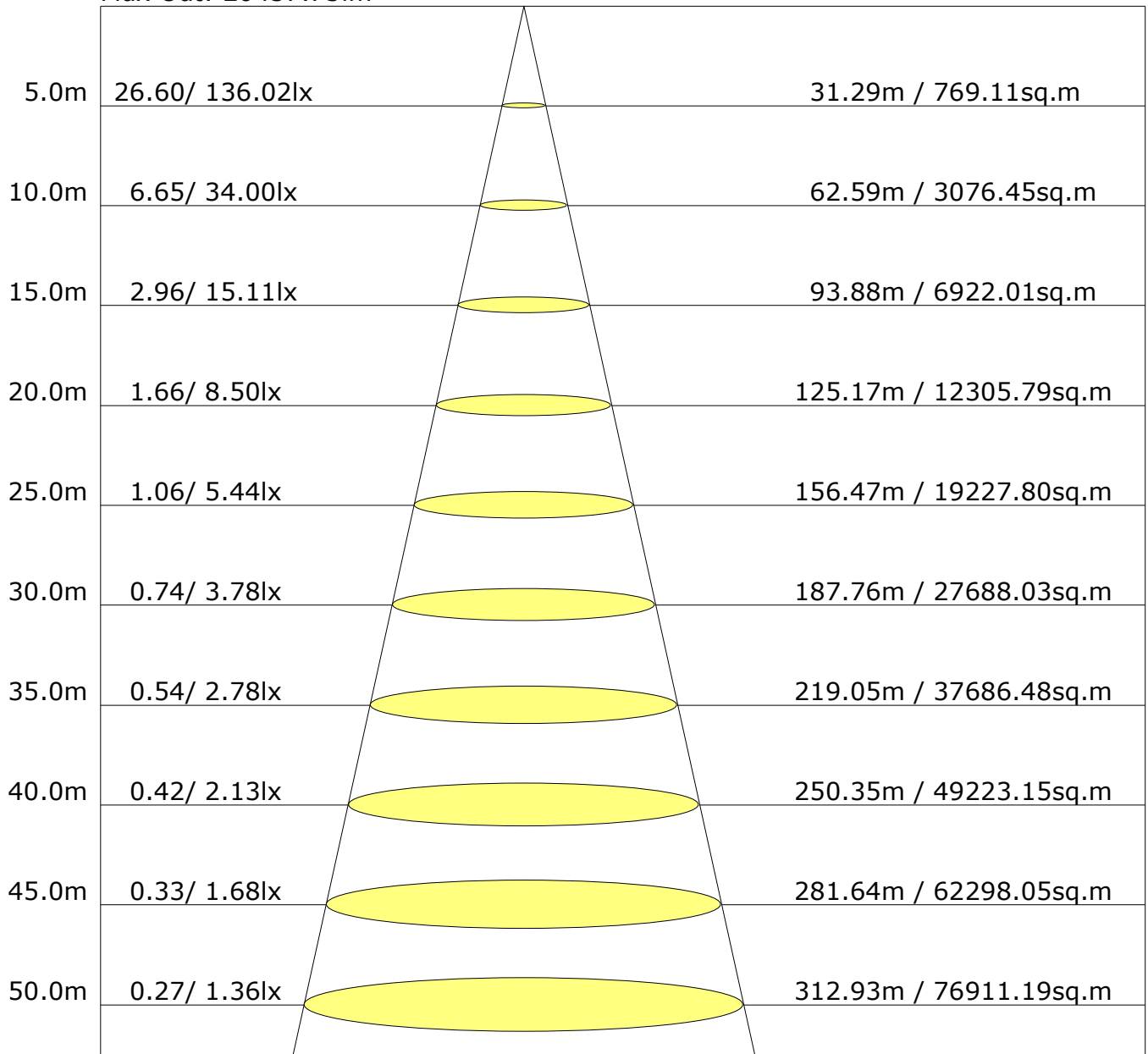
Horizontal plane

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-1600
 Distance: 8.567 m
 Humidity:
 Inspector:

The Average Illuminance Effective Figure

Flux Out: 20457.75lm



Height Avg./Nadir. E Beam Angle:144.6° 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-1600
 Distance: 8.567 m
 Humidity:
 Inspector:

UGR Table

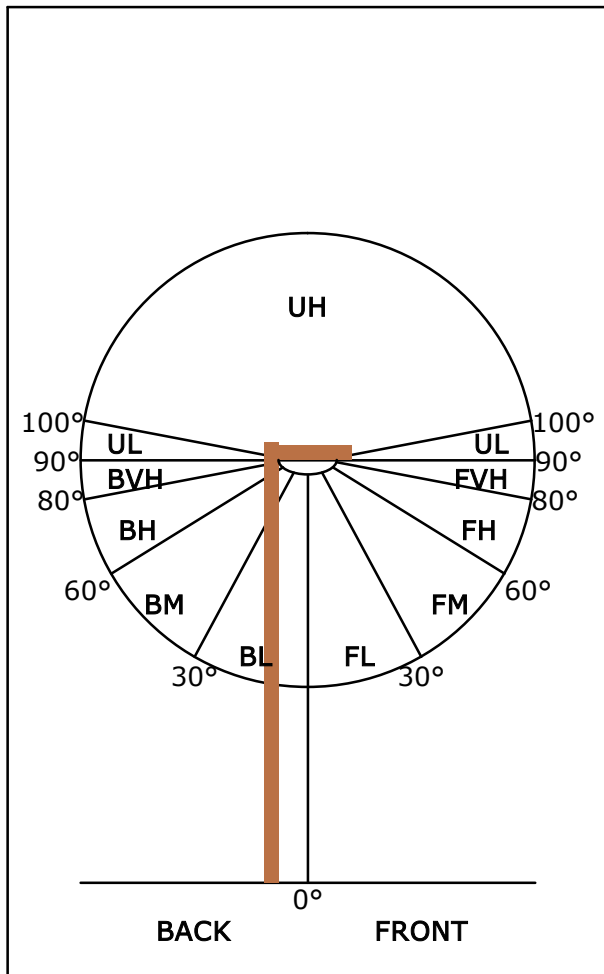
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-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										
S=1.5H										
S=2.0H										

Calculate in accordance with CIE Pub.117. The table is revised with 21214lm ($8\log(F/F_0) = 10.6$).

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-1600
 Distance: 8.567 m
 Humidity:
 Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



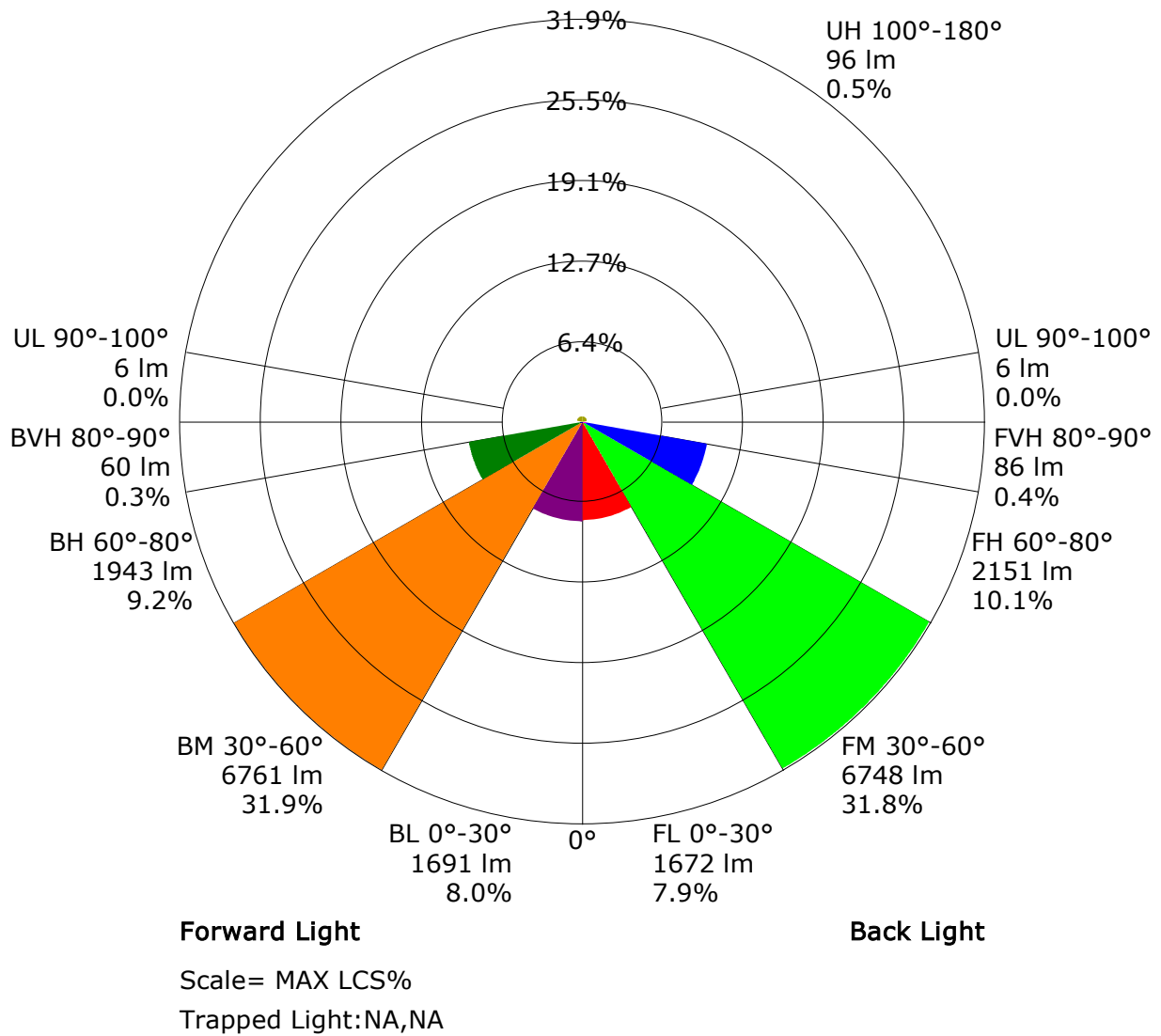
ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	10657	50.2
FL (0°-30°)	1672	7.9
FM (30°-60°)	6748	31.8
FH (60°-80°)	2151	10.1
FVH (80°-90°)	86	0.4
BACK LIGHT	10455	49.3
BL (0°-30°)	1691	8.0
BM (30°-60°)	6761	31.9
BH (60°-80°)	1943	9.2
BVH (80°-90°)	60	0.3
UP LIGHT	102	0.5
UL (90°-100°)	6	0.0
UH (100°-180°)	96	0.5
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B4 U2 G3
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B4 U2 G2

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-1600
 Distance: 8.567 m
 Humidity:
 Inspector:

LCS Graph



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	0.77	0.82	0.90	0.95	0.98	1.02	1.05
	0.30		NA	NA	0.70	0.76	0.84	0.90	0.93	0.98	1.02
	0.20		NA	NA	0.64	0.70	0.79	0.85	0.90	0.95	0.99
0.50	0.50	0.20	NA	NA	0.74	0.79	0.87	0.91	0.94	0.98	1.00
	0.30		NA	NA	0.68	0.74	0.82	0.87	0.90	0.95	0.98
	0.20		NA	NA	0.64	0.69	0.78	0.83	0.87	0.92	0.96
0.30	0.50	0.20	NA	NA	0.72	0.77	0.84	0.88	0.91	0.94	0.97
	0.30		NA	NA	0.67	0.72	0.80	0.85	0.88	0.92	0.95
	0.20		NA	NA	0.63	0.68	0.76	0.82	0.85	0.90	0.93
0.00	0.00	0.00	NA	NA	0.60	0.65	0.73	0.78	0.81	0.85	0.88
<p>Rating:151W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>											

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	0.66	0.57	0.44	0.36	0.30	0.24	0.19
	0.30		NA	NA	0.57	0.50	0.40	0.33	0.28	0.22	0.18
	0.20		NA	NA	0.51	0.45	0.36	0.30	0.26	0.21	0.17
0.50	0.50	0.20	NA	NA	0.63	0.54	0.42	0.37	0.29	0.22	0.18
	0.30		NA	NA	0.55	0.48	0.38	0.31	0.27	0.21	0.17
	0.20		NA	NA	0.50	0.44	0.35	0.29	0.25	0.20	0.16
0.30	0.50	0.20	NA	NA	0.60	0.52	0.40	0.32	0.27	0.21	0.17
	0.30		NA	NA	0.54	0.47	0.37	0.30	0.26	0.20	0.16
	0.20		NA	NA	0.49	0.43	0.34	0.28	0.24	0.19	0.16
0.00	0.00	0.00	0.99	0.99	0.39	0.34	0.26	0.21	0.18	0.14	0.11
<p>Rating:151W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>											

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	0.18	0.19	0.20	0.20	0.21	0.21	0.22
	0.30		NA	NA	0.13	0.14	0.16	0.17	0.18	0.19	0.20
	0.20		NA	NA	0.08	0.10	0.12	0.13	0.15	0.16	0.18
0.50	0.50	0.20	NA	NA	0.18	0.18	0.19	0.20	0.20	0.21	0.21
	0.30		NA	NA	0.12	0.14	0.15	0.16	0.17	0.18	0.19
	0.20		NA	NA	0.08	0.10	0.12	0.13	0.14	0.16	0.17
0.30	0.50	0.20	NA	NA	0.17	0.18	0.18	0.19	0.19	0.20	0.20
	0.30		NA	NA	0.12	0.13	0.15	0.16	0.16	0.18	0.18
	0.20		NA	NA	0.08	0.09	0.11	0.13	0.14	0.15	0.16
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<p>Rating:151W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>											

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	3405.7	3.3	3.3	0.02	0.02
1.0-2.0	3408.4	9.8	13.0	0.05	0.06
2.0-3.0	3413.8	16.3	29.4	0.08	0.14
3.0-4.0	3422.0	22.9	52.3	0.11	0.25
4.0-5.0	3432.9	29.5	81.8	0.14	0.39
5.0-6.0	3446.4	36.2	118.0	0.17	0.56
6.0-7.0	3462.5	43.0	161.0	0.20	0.76
7.0-8.0	3481.0	49.8	210.9	0.23	0.99
8.0-9.0	3501.7	56.8	267.6	0.27	1.26
9.0-10.0	3524.6	63.8	331.4	0.30	1.56
10.0-11.0	3549.9	70.9	402.3	0.33	1.90
11.0-12.0	3577.4	78.2	480.6	0.37	2.27
12.0-13.0	3607.0	85.6	566.2	0.40	2.67
13.0-14.0	3638.7	93.2	659.3	0.44	3.11
14.0-15.0	3672.8	100.8	760.2	0.48	3.58
15.0-16.0	3709.5	108.7	868.9	0.51	4.10
16.0-17.0	3749.3	116.8	985.6	0.55	4.65
17.0-18.0	3791.7	125.0	1110.7	0.59	5.24
18.0-19.0	3837.1	133.5	1244.2	0.63	5.86
19.0-20.0	3885.9	142.2	1386.4	0.67	6.54
20.0-21.0	3938.6	151.3	1537.7	0.71	7.25
21.0-22.0	3995.1	160.6	1698.3	0.76	8.01
22.0-23.0	4055.7	170.2	1868.5	0.80	8.81
23.0-24.0	4120.5	180.2	2048.6	0.85	9.66
24.0-25.0	4189.6	190.5	2239.2	0.90	10.56
25.0-26.0	4264.0	201.3	2440.5	0.95	11.50
26.0-27.0	4343.5	212.5	2653.0	1.00	12.51
27.0-28.0	4428.1	224.2	2877.2	1.06	13.56
28.0-29.0	4518.2	236.4	3113.6	1.11	14.68
29.0-30.0	4613.4	249.1	3362.8	1.17	15.85
30.0-31.0	4711.7	262.2	3625.0	1.24	17.09
31.0-32.0	4815.0	275.9	3900.9	1.30	18.39
32.0-33.0	4922.0	290.0	4190.9	1.37	19.76
33.0-34.0	5030.4	304.5	4495.4	1.44	21.19
34.0-35.0	5141.2	319.3	4814.7	1.51	22.70
35.0-36.0	5252.5	334.5	5149.2	1.58	24.27

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-1600
 Distance: 8.567 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	5362.8	349.8	5499.0	1.65	25.92
37.0-38.0	5472.3	365.3	5864.3	1.72	27.64
38.0-39.0	5578.6	380.8	6245.1	1.80	29.44
39.0-40.0	5680.1	396.2	6641.3	1.87	31.31
40.0-41.0	5777.9	411.5	7052.8	1.94	33.25
41.0-42.0	5870.6	426.6	7479.4	2.01	35.26
42.0-43.0	5956.6	441.3	7920.7	2.08	37.34
43.0-44.0	6036.9	455.7	8376.4	2.15	39.49
44.0-45.0	6110.3	469.7	8846.0	2.21	41.70
45.0-46.0	6176.2	483.1	9329.1	2.28	43.98
46.0-47.0	6234.5	495.9	9825.1	2.34	46.31
47.0-48.0	6284.7	508.1	10333.2	2.40	48.71
48.0-49.0	6326.5	519.6	10852.8	2.45	51.16
49.0-50.0	6358.1	530.2	11383.0	2.50	53.66
50.0-51.0	6377.3	539.6	11922.6	2.54	56.20
51.0-52.0	6382.9	547.8	12470.4	2.58	58.78
52.0-53.0	6372.0	554.4	13024.7	2.61	61.40
53.0-54.0	6341.1	559.0	13583.7	2.63	64.03
54.0-55.0	6287.7	561.3	14145.1	2.65	66.68
55.0-56.0	6208.2	561.1	14706.1	2.64	69.32
56.0-57.0	6097.3	557.6	15263.7	2.63	71.95
57.0-58.0	5948.5	550.2	15813.8	2.59	74.54
58.0-59.0	5754.4	538.0	16351.9	2.54	77.08
59.0-60.0	5504.4	520.1	16872.0	2.45	79.53
60.0-61.0	5194.8	495.8	17367.8	2.34	81.87
61.0-62.0	4822.9	464.8	17832.6	2.19	84.06
62.0-63.0	4396.4	427.6	18260.2	2.02	86.08
63.0-64.0	3939.4	386.6	18646.8	1.82	87.90
64.0-65.0	3480.0	344.4	18991.3	1.62	89.52
65.0-66.0	3040.1	303.4	19294.6	1.43	90.95
66.0-67.0	2633.5	264.8	19559.5	1.25	92.20
67.0-68.0	2266.6	229.6	19789.1	1.08	93.28
68.0-69.0	1940.7	198.0	19987.1	0.93	94.22
69.0-70.0	1653.6	169.8	20157.0	0.80	95.02
70.0-71.0	1406.6	145.4	20302.4	0.69	95.70
71.0-72.0	1197.6	124.5	20426.9	0.59	96.29

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-1600
 Distance: 8.567 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	1019.8	106.7	20533.6	0.50	96.79
73.0-74.0	871.4	91.6	20625.2	0.43	97.22
74.0-75.0	747.0	78.9	20704.1	0.37	97.60
75.0-76.0	642.7	68.2	20772.4	0.32	97.92
76.0-77.0	554.5	59.1	20831.5	0.28	98.20
77.0-78.0	479.4	51.3	20882.8	0.24	98.44
78.0-79.0	414.2	44.5	20927.3	0.21	98.65
79.0-80.0	356.1	38.4	20965.7	0.18	98.83
80.0-81.0	303.1	32.8	20998.5	0.15	98.98
81.0-82.0	254.2	27.6	21026.1	0.13	99.11
82.0-83.0	208.8	22.7	21048.8	0.11	99.22
83.0-84.0	167.3	18.2	21067.0	0.09	99.31
84.0-85.0	130.8	14.3	21081.3	0.07	99.37
85.0-86.0	99.4	10.9	21092.2	0.05	99.43
86.0-87.0	73.0	8.0	21100.2	0.04	99.46
87.0-88.0	51.3	5.6	21105.8	0.03	99.49
88.0-89.0	34.3	3.8	21109.5	0.02	99.51
89.0-90.0	21.8	2.4	21111.9	0.01	99.52
90.0-91.0	12.8	1.4	21113.3	0.01	99.53
91.0-92.0	7.1	0.8	21114.1	0.00	99.53
92.0-93.0	4.5	0.5	21114.6	0.00	99.53
93.0-94.0	3.8	0.4	21115.0	0.00	99.53
94.0-95.0	3.9	0.4	21115.5	0.00	99.54
95.0-96.0	4.3	0.5	21115.9	0.00	99.54
96.0-97.0	4.8	0.5	21116.5	0.00	99.54
97.0-98.0	5.3	0.6	21117.0	0.00	99.54
98.0-99.0	5.9	0.6	21117.7	0.00	99.55
99.0-100.0	6.6	0.7	21118.4	0.00	99.55
100.0-101.0	7.2	0.8	21119.2	0.00	99.55
101.0-102.0	7.9	0.8	21120.0	0.00	99.56
102.0-103.0	8.6	0.9	21120.9	0.00	99.56
103.0-104.0	9.3	1.0	21121.9	0.00	99.57
104.0-105.0	10.0	1.1	21123.0	0.00	99.57
105.0-106.0	10.7	1.1	21124.1	0.01	99.58
106.0-107.0	11.4	1.2	21125.3	0.01	99.58
107.0-108.0	12.2	1.3	21126.6	0.01	99.59

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-1600
 Distance: 8.567 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	12.9	1.3	21127.9	0.01	99.59
109.0-110.0	13.6	1.4	21129.3	0.01	99.60
110.0-111.0	14.3	1.5	21130.8	0.01	99.61
111.0-112.0	14.9	1.5	21132.3	0.01	99.61
112.0-113.0	15.6	1.6	21133.9	0.01	99.62
113.0-114.0	16.2	1.6	21135.5	0.01	99.63
114.0-115.0	16.8	1.7	21137.2	0.01	99.64
115.0-116.0	17.3	1.7	21138.9	0.01	99.65
116.0-117.0	17.8	1.7	21140.6	0.01	99.65
117.0-118.0	18.3	1.8	21142.4	0.01	99.66
118.0-119.0	18.8	1.8	21144.2	0.01	99.67
119.0-120.0	19.2	1.8	21146.1	0.01	99.68
120.0-121.0	19.6	1.9	21147.9	0.01	99.69
121.0-122.0	20.0	1.9	21149.8	0.01	99.70
122.0-123.0	20.4	1.9	21151.7	0.01	99.71
123.0-124.0	20.7	1.9	21153.6	0.01	99.71
124.0-125.0	21.0	1.9	21155.5	0.01	99.72
125.0-126.0	21.3	1.9	21157.4	0.01	99.73
126.0-127.0	21.6	1.9	21159.3	0.01	99.74
127.0-128.0	21.8	1.9	21161.2	0.01	99.75
128.0-129.0	22.1	1.9	21163.1	0.01	99.76
129.0-130.0	22.3	1.9	21165.0	0.01	99.77
130.0-131.0	22.5	1.9	21166.8	0.01	99.78
131.0-132.0	22.7	1.9	21168.7	0.01	99.79
132.0-133.0	22.8	1.8	21170.5	0.01	99.79
133.0-134.0	22.9	1.8	21172.4	0.01	99.80
134.0-135.0	23.1	1.8	21174.2	0.01	99.81
135.0-136.0	23.1	1.8	21175.9	0.01	99.82
136.0-137.0	23.2	1.8	21177.7	0.01	99.83
137.0-138.0	23.2	1.7	21179.4	0.01	99.84
138.0-139.0	23.2	1.7	21181.1	0.01	99.84
139.0-140.0	23.3	1.7	21182.8	0.01	99.85
140.0-141.0	23.2	1.6	21184.4	0.01	99.86
141.0-142.0	23.2	1.6	21186.0	0.01	99.87
142.0-143.0	23.1	1.5	21187.5	0.01	99.87
143.0-144.0	23.0	1.5	21189.0	0.01	99.88

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-1600
 Distance: 8.567 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	22.9	1.5	21190.5	0.01	99.89
145.0-146.0	22.7	1.4	21191.9	0.01	99.90
146.0-147.0	22.6	1.4	21193.2	0.01	99.90
147.0-148.0	22.4	1.3	21194.6	0.01	99.91
148.0-149.0	22.3	1.3	21195.8	0.01	99.91
149.0-150.0	22.1	1.2	21197.1	0.01	99.92
150.0-151.0	21.9	1.2	21198.2	0.01	99.93
151.0-152.0	21.6	1.1	21199.4	0.01	99.93
152.0-153.0	21.5	1.1	21200.5	0.01	99.94
153.0-154.0	21.3	1.0	21201.5	0.00	99.94
154.0-155.0	21.1	1.0	21202.5	0.00	99.95
155.0-156.0	20.9	0.9	21203.5	0.00	99.95
156.0-157.0	20.7	0.9	21204.4	0.00	99.95
157.0-158.0	20.5	0.9	21205.2	0.00	99.96
158.0-159.0	20.3	0.8	21206.0	0.00	99.96
159.0-160.0	20.2	0.8	21206.8	0.00	99.97
160.0-161.0	20.0	0.7	21207.5	0.00	99.97
161.0-162.0	19.8	0.7	21208.2	0.00	99.97
162.0-163.0	19.7	0.6	21208.9	0.00	99.98
163.0-164.0	19.6	0.6	21209.5	0.00	99.98
164.0-165.0	19.4	0.6	21210.1	0.00	99.98
165.0-166.0	19.3	0.5	21210.6	0.00	99.98
166.0-167.0	19.1	0.5	21211.1	0.00	99.99
167.0-168.0	19.0	0.5	21211.5	0.00	99.99
168.0-169.0	18.9	0.4	21212.0	0.00	99.99
169.0-170.0	18.8	0.4	21212.3	0.00	99.99
170.0-171.0	18.7	0.3	21212.7	0.00	99.99
171.0-172.0	18.7	0.3	21213.0	0.00	99.99
172.0-173.0	18.6	0.3	21213.2	0.00	100.00
173.0-174.0	18.5	0.2	21213.5	0.00	100.00
174.0-175.0	18.5	0.2	21213.7	0.00	100.00
175.0-176.0	18.5	0.2	21213.8	0.00	100.00
176.0-177.0	18.5	0.1	21213.9	0.00	100.00
177.0-178.0	18.5	0.1	21214.0	0.00	100.00
178.0-179.0	18.5	0.1	21214.1	0.00	100.00
179.0-180.0	18.5	0.0	21214.1	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-1600
 Distance: 8.567 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	3400.4	3401.2	3404.6	3406.1	3408.6	3408.9	3400.4	3401.2	3404.6	3406.1
G1.0	3399.7	3399.3	3402.6	3404.8	3408.4	3410.0	3404.0	3406.1	3409.8	3410.2
G2.0	3402.2	3400.2	3403.4	3406.4	3411.1	3414.0	3409.8	3413.1	3417.4	3416.8
G3.0	3407.3	3403.8	3406.2	3410.2	3416.4	3421.3	3418.5	3422.9	3427.1	3425.6
G4.0	3415.8	3410.2	3412.0	3416.8	3424.8	3430.7	3429.8	3435.2	3439.6	3438.3
G5.0	3426.6	3419.6	3421.2	3426.3	3435.6	3442.9	3444.1	3450.8	3454.8	3452.3
G6.0	3440.6	3431.2	3432.1	3438.3	3449.0	3458.0	3460.3	3468.7	3472.8	3468.8
G7.0	3456.6	3446.1	3446.4	3452.7	3464.4	3475.6	3479.4	3488.8	3492.6	3488.0
G8.0	3475.3	3463.5	3462.6	3468.7	3482.2	3494.6	3500.0	3512.0	3514.9	3509.1
G9.0	3496.0	3483.8	3480.1	3486.6	3502.3	3517.1	3522.4	3536.7	3539.9	3532.6
G10.0	3519.2	3505.5	3501.4	3507.1	3524.1	3540.2	3547.8	3563.9	3567.7	3557.2
G11.0	3543.4	3531.0	3525.6	3528.7	3548.0	3567.3	3574.5	3594.5	3597.5	3584.5
G12.0	3570.3	3557.0	3550.3	3552.0	3574.5	3596.4	3602.9	3628.4	3630.6	3613.2
G13.0	3597.9	3587.7	3579.1	3577.4	3603.8	3628.2	3632.1	3663.7	3664.4	3644.3
G14.0	3627.2	3619.5	3609.6	3604.4	3635.3	3662.4	3663.5	3702.3	3702.2	3674.6
G15.0	3657.0	3653.9	3643.2	3633.6	3670.1	3700.6	3697.9	3743.5	3742.5	3707.9
G16.0	3689.1	3690.2	3679.6	3664.2	3708.1	3739.5	3732.9	3786.8	3787.7	3746.6
G17.0	3722.4	3729.9	3719.9	3699.6	3749.7	3783.8	3771.4	3835.2	3834.3	3785.5
G18.0	3758.9	3772.0	3762.3	3734.5	3793.6	3829.1	3813.7	3885.1	3884.0	3826.7
G19.0	3796.4	3817.4	3809.7	3774.8	3843.4	3880.0	3857.6	3940.4	3937.2	3872.8
G20.0	3838.1	3865.8	3858.8	3817.5	3892.8	3933.1	3905.2	3997.7	3996.4	3919.5
G21.0	3882.7	3918.8	3914.5	3866.0	3949.9	3990.1	3956.5	4059.1	4059.4	3972.5
G22.0	3931.4	3974.0	3971.7	3916.3	4007.6	4051.8	4013.3	4124.0	4124.5	4029.1
G23.0	3986.2	4034.4	4035.7	3974.5	4072.9	4117.7	4074.2	4195.8	4193.0	4091.1
G24.0	4045.1	4098.3	4102.0	4035.4	4141.0	4186.4	4138.8	4267.4	4266.5	4156.9
G25.0	4108.7	4165.4	4172.8	4101.1	4216.0	4260.3	4208.0	4345.5	4345.8	4230.5
G26.0	4177.9	4237.7	4249.1	4170.8	4292.0	4337.8	4282.9	4430.8	4428.8	4309.5
G27.0	4253.6	4316.4	4330.1	4247.8	4374.6	4424.9	4362.8	4518.1	4518.3	4392.9
G28.0	4333.8	4400.3	4418.7	4327.9	4462.1	4509.6	4448.5	4612.1	4611.6	4482.9
G29.0	4420.5	4490.9	4509.7	4418.3	4555.8	4605.9	4535.3	4710.6	4712.9	4578.5
G30.0	4511.0	4583.0	4606.5	4505.1	4653.8	4704.8	4633.1	4812.9	4816.3	4679.0
G31.0	4602.0	4679.0	4703.6	4600.5	4754.6	4806.7	4725.8	4918.8	4928.5	4779.9
G32.0	4700.8	4784.1	4813.8	4701.2	4862.8	4911.6	4827.6	5031.3	5039.8	4888.7
G33.0	4798.5	4894.1	4918.7	4806.8	4967.6	5022.4	4927.8	5140.6	5157.2	4997.5
G34.0	4902.2	5005.9	5035.1	4911.2	5078.9	5135.2	5027.3	5250.3	5274.1	5104.4
G35.0	5001.0	5114.0	5149.1	5015.4	5195.6	5250.3	5125.3	5372.3	5398.3	5218.5
G36.0	5101.8	5227.9	5263.8	5116.9	5310.3	5366.8	5224.1	5483.9	5514.5	5321.0

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-1600
 Distance: 8.567 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	5193.9	5342.8	5381.3	5218.1	5424.9	5482.1	5314.9	5596.8	5640.0	5423.1
G38.0	5287.1	5456.0	5499.5	5316.9	5543.8	5598.8	5404.8	5709.8	5756.1	5520.6
G39.0	5370.1	5562.6	5613.8	5407.9	5655.7	5711.0	5482.4	5819.1	5875.9	5612.5
G40.0	5448.5	5667.0	5726.8	5491.8	5769.0	5822.6	5556.3	5920.7	5984.2	5694.6
G41.0	5518.0	5769.5	5837.3	5573.9	5874.9	5927.9	5622.6	6022.7	6097.5	5772.4
G42.0	5582.4	5868.9	5943.4	5646.5	5982.8	6031.8	5677.8	6112.2	6196.9	5838.7
G43.0	5639.2	5960.0	6044.3	5711.6	6080.0	6127.4	5725.5	6198.3	6296.1	5898.9
G44.0	5691.5	6047.7	6144.5	5765.1	6175.5	6216.9	5765.3	6279.7	6389.3	5951.5
G45.0	5735.9	6128.7	6232.1	5808.8	6263.9	6296.7	5795.5	6353.8	6471.5	5992.2
G46.0	5774.7	6205.8	6319.4	5843.2	6346.4	6371.7	5816.3	6418.8	6549.5	6024.5
G47.0	5803.8	6275.6	6397.7	5865.2	6419.6	6434.9	5829.6	6476.2	6618.7	6047.9
G48.0	5823.9	6341.3	6466.3	5878.6	6485.0	6486.0	5834.5	6528.5	6679.6	6063.0
G49.0	5835.2	6398.5	6530.3	5882.5	6539.1	6525.8	5829.5	6569.5	6730.3	6071.5
G50.0	5836.5	6444.8	6582.6	5876.5	6577.1	6551.0	5814.5	6599.1	6767.4	6071.2
G51.0	5823.9	6479.5	6619.0	5859.5	6601.1	6561.9	5785.2	6617.6	6787.4	6060.3
G52.0	5797.7	6500.6	6638.8	5826.8	6607.1	6556.9	5742.1	6621.6	6791.7	6040.1
G53.0	5753.3	6499.0	6637.1	5777.0	6593.0	6534.3	5675.0	6609.1	6775.4	6003.2
G54.0	5685.9	6476.1	6613.3	5702.5	6554.8	6489.9	5586.1	6575.0	6740.0	5947.2
G55.0	5594.8	6428.7	6566.0	5597.9	6493.4	6426.0	5463.4	6518.3	6682.7	5871.3
G56.0	5480.4	6350.5	6491.8	5452.7	6400.5	6329.7	5310.3	6434.3	6602.2	5766.7
G57.0	5340.8	6245.9	6390.3	5256.0	6266.7	6195.8	5112.4	6314.9	6494.9	5625.4
G58.0	5175.5	6102.4	6249.5	4999.6	6086.2	6006.9	4882.5	6146.1	6353.4	5436.4
G59.0	4963.8	5921.3	6061.5	4648.4	5849.1	5773.0	4606.0	5939.1	6167.6	5187.3
G60.0	4704.4	5681.3	5810.1	4167.8	5537.0	5467.7	4302.6	5671.3	5932.9	4880.1
G61.0	4383.8	5396.6	5495.1	3615.0	5162.7	5102.2	3952.6	5348.4	5641.5	4515.0
G62.0	4005.4	5045.0	5113.8	3024.7	4702.4	4683.9	3543.0	4973.2	5281.6	4024.0
G63.0	3509.4	4648.0	4660.5	2519.0	4220.4	4264.1	3056.9	4579.9	4864.1	3465.2
G64.0	2961.7	4220.2	4184.4	2090.8	3737.1	3818.6	2549.2	4149.8	4427.3	2905.9
G65.0	2420.3	3788.4	3694.9	1682.4	3286.0	3401.7	2100.1	3741.6	3970.4	2430.3
G66.0	1982.0	3362.1	3234.2	1316.7	2857.6	2984.6	1718.1	3320.6	3519.6	1992.7
G67.0	1591.8	2956.6	2825.7	1066.7	2468.9	2608.9	1388.8	2920.8	3108.8	1594.4
G68.0	1283.4	2573.4	2439.9	892.2	2093.8	2242.1	1127.6	2549.0	2708.7	1248.6
G69.0	1049.0	2234.5	2075.5	764.9	1765.9	1909.6	932.6	2204.6	2333.3	1006.3
G70.0	878.4	1911.0	1742.7	664.6	1473.7	1606.2	783.1	1881.4	1981.1	833.2
G71.0	751.2	1630.4	1458.6	585.2	1234.9	1349.6	659.2	1613.6	1687.6	722.2
G72.0	651.6	1374.6	1233.2	517.5	1048.8	1139.9	559.4	1364.8	1417.0	630.1
G73.0	566.6	1166.1	1051.7	459.7	900.5	963.0	480.1	1150.6	1205.1	557.3

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-1600
 Distance: 8.567 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	495.8	987.8	907.6	405.6	784.1	813.2	416.9	966.7	1023.0	494.8
G75.0	434.0	847.0	785.9	359.3	684.6	691.8	358.9	815.5	876.1	441.1
G76.0	379.9	721.5	683.9	315.2	600.3	585.3	307.5	692.9	755.5	390.5
G77.0	333.9	619.3	596.4	277.4	525.9	497.9	261.7	584.5	657.0	347.4
G78.0	291.3	533.3	521.0	244.0	462.4	420.8	223.8	498.8	566.7	307.1
G79.0	251.2	457.3	452.3	212.7	400.5	350.3	190.1	422.6	495.5	271.7
G80.0	217.6	391.5	391.1	183.8	341.3	282.8	157.9	348.5	431.9	238.1
G81.0	188.3	330.3	330.2	157.8	277.3	224.5	128.1	287.8	373.3	210.0
G82.0	162.3	271.2	268.1	133.5	215.6	170.4	103.7	234.6	316.3	183.3
G83.0	136.4	215.4	211.7	110.9	163.5	125.7	80.2	181.8	257.2	159.2
G84.0	114.2	171.9	167.9	89.5	122.6	88.2	57.7	135.3	202.9	136.4
G85.0	93.1	135.3	129.0	69.2	88.7	58.5	38.5	92.8	155.6	116.0
G86.0	73.9	103.7	96.4	49.3	59.6	33.0	21.6	63.6	116.7	95.3
G87.0	55.8	77.5	68.0	30.8	36.8	14.3	8.8	38.8	85.6	76.6
G88.0	38.8	53.6	43.8	15.1	20.6	10.0	1.3	17.3	59.1	58.0
G89.0	23.3	33.3	21.3	6.7	11.1	6.6	1.4	10.3	37.7	40.2
G90.0	11.7	16.4	11.5	5.3	6.7	4.4	1.7	7.3	22.7	24.3
G91.0	7.1	6.9	5.7	3.9	4.1	3.3	1.8	4.8	11.2	11.1
G92.0	3.3	3.5	4.1	2.8	3.6	3.7	2.2	3.1	6.7	5.7
G93.0	2.2	3.6	3.9	2.8	4.1	4.1	2.5	3.5	4.3	4.5
G94.0	2.7	4.0	4.4	3.2	4.6	4.8	3.0	4.0	3.7	3.5
G95.0	3.0	4.6	4.9	3.6	5.2	5.3	3.2	4.4	4.1	2.8
G96.0	3.3	5.0	5.3	4.1	5.8	5.9	3.7	4.9	4.8	3.1
G97.0	3.9	5.5	5.9	4.6	6.3	6.4	4.3	5.4	5.2	3.6
G98.0	4.5	6.2	6.6	5.2	6.9	7.2	4.8	5.9	5.8	4.0
G99.0	5.0	6.8	7.2	5.9	7.7	7.9	5.3	6.6	6.4	4.5
G100.0	5.5	7.3	8.0	6.4	8.4	8.6	5.9	7.2	7.1	5.0
G101.0	6.2	8.2	8.6	7.2	9.1	9.3	6.6	7.9	7.6	5.7
G102.0	6.8	9.0	9.4	7.9	9.9	10.0	7.2	8.5	8.4	6.2
G103.0	7.5	9.7	10.2	8.6	10.7	10.7	7.7	9.1	8.9	6.9
G104.0	8.4	10.4	10.9	9.3	11.5	11.6	8.4	9.8	9.7	7.6
G105.0	9.0	11.1	11.7	10.0	12.2	12.5	9.1	10.6	10.3	8.1
G106.0	9.8	12.0	12.5	10.9	13.0	13.0	9.8	11.2	10.9	8.9
G107.0	10.4	12.6	13.3	11.6	13.8	13.9	10.6	12.0	11.7	9.5
G108.0	11.2	13.4	14.0	12.5	14.4	14.6	11.2	12.5	12.4	10.2
G109.0	12.0	14.2	14.8	13.3	15.2	15.2	12.0	13.1	13.0	10.9
G110.0	12.8	14.9	15.4	14.0	16.0	15.8	12.5	13.8	13.6	11.6

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-1600
 Distance: 8.567 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	13.5	15.6	16.2	14.8	16.6	16.5	13.3	14.4	14.3	12.4
G112.0	14.3	16.4	16.9	15.4	17.1	17.0	13.9	14.9	14.9	13.0
G113.0	15.1	16.7	17.5	16.2	17.8	17.6	14.6	15.4	15.6	13.6
G114.0	15.7	17.5	18.2	16.9	18.3	18.0	15.1	16.1	16.1	14.4
G115.0	16.5	18.0	18.8	17.4	18.8	18.5	15.7	16.6	16.6	14.9
G116.0	17.1	18.5	19.2	18.0	19.3	18.9	16.4	17.0	17.1	15.6
G117.0	17.6	19.2	19.8	18.5	19.7	19.3	16.9	17.5	17.5	16.1
G118.0	18.3	19.6	20.2	18.9	20.1	19.8	17.4	17.9	17.9	16.7
G119.0	18.7	20.0	20.6	19.3	20.5	20.2	18.0	18.4	18.3	17.1
G120.0	19.3	20.5	21.0	19.8	20.7	20.6	18.4	18.8	18.7	17.6
G121.0	19.7	20.9	21.4	20.2	21.0	21.0	18.9	19.3	19.1	18.0
G122.0	20.2	21.3	21.6	20.5	21.4	21.3	19.5	19.7	19.3	18.4
G123.0	20.6	21.6	21.9	20.9	21.6	21.6	19.8	20.1	19.6	18.7
G124.0	20.9	21.9	22.1	21.1	21.9	21.9	20.4	20.4	20.0	19.1
G125.0	21.3	22.3	22.3	21.4	22.0	22.1	20.6	20.9	20.2	19.5
G126.0	21.6	22.5	22.5	21.6	22.3	22.4	21.0	21.3	20.5	19.7
G127.0	21.9	22.9	22.8	21.8	22.5	22.7	21.3	21.5	20.7	20.0
G128.0	22.1	23.2	22.9	22.0	22.7	22.8	21.6	21.8	21.0	20.2
G129.0	22.4	23.4	23.0	22.1	23.0	23.0	22.0	22.1	21.4	20.4
G130.0	22.7	23.7	23.2	22.4	23.0	23.0	22.3	22.3	21.6	20.6
G131.0	22.9	23.8	23.3	22.5	23.3	23.2	22.4	22.4	21.9	20.7
G132.0	23.0	24.0	23.3	22.7	23.4	23.3	22.7	22.4	22.1	21.0
G133.0	23.3	24.1	23.4	22.8	23.6	23.3	22.8	22.5	22.4	21.1
G134.0	23.4	24.2	23.6	22.8	23.6	23.3	22.9	22.8	22.5	21.4
G135.0	23.4	24.2	23.6	22.9	23.7	23.4	23.0	22.8	22.8	21.5
G136.0	23.6	24.2	23.7	22.9	23.7	23.4	23.2	22.9	22.8	21.6
G137.0	23.7	24.2	23.7	23.0	23.7	23.4	23.2	22.9	22.9	21.8
G138.0	23.7	24.2	23.7	23.0	23.8	23.4	23.2	22.9	22.9	21.8
G139.0	23.7	24.2	23.7	23.0	23.7	23.4	23.2	22.9	22.9	21.9
G140.0	23.8	24.2	23.7	23.2	23.7	23.4	23.2	22.9	22.9	21.9
G141.0	23.7	24.1	23.7	23.2	23.6	23.3	23.2	22.9	22.9	22.0
G142.0	23.7	24.0	23.6	23.0	23.6	23.3	23.0	22.7	22.8	22.0
G143.0	23.6	23.8	23.6	22.9	23.4	23.2	22.9	22.7	22.7	22.0
G144.0	23.6	23.8	23.3	22.9	23.4	23.0	22.8	22.5	22.5	22.0
G145.0	23.3	23.6	23.2	22.8	23.2	22.8	22.7	22.4	22.4	21.9
G146.0	23.3	23.4	23.0	22.7	23.0	22.7	22.5	22.3	22.1	21.9
G147.0	23.0	23.2	23.0	22.5	22.8	22.5	22.4	22.0	22.0	21.6

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-1600
 Distance: 8.567 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	22.9	23.0	22.9	22.3	22.5	22.4	22.3	21.9	21.8	21.6
G149.0	22.7	22.9	22.7	22.1	22.3	22.3	22.0	21.8	21.6	21.4
G150.0	22.5	22.7	22.5	22.0	22.0	22.1	21.9	21.6	21.4	21.3
G151.0	22.3	22.4	22.3	21.8	21.9	22.0	21.6	21.4	21.1	21.0
G152.0	22.1	22.1	22.1	21.6	21.6	21.8	21.4	21.1	20.9	20.9
G153.0	21.9	22.0	22.0	21.4	21.4	21.6	21.3	21.0	20.7	20.6
G154.0	21.8	21.8	21.9	21.3	21.3	21.4	21.1	20.7	20.5	20.6
G155.0	21.5	21.5	21.6	21.0	21.0	21.1	20.9	20.6	20.2	20.2
G156.0	21.4	21.4	21.5	20.9	20.7	21.1	20.7	20.5	20.1	20.1
G157.0	21.1	21.1	21.3	20.6	20.6	20.7	20.5	20.2	20.0	20.0
G158.0	21.0	21.0	21.1	20.5	20.4	20.6	20.4	20.1	19.7	20.0
G159.0	20.7	20.9	20.9	20.4	20.2	20.4	20.1	19.7	19.6	19.7
G160.0	20.6	20.7	20.7	20.1	20.0	20.1	20.0	19.7	19.3	19.6
G161.0	20.5	20.5	20.5	20.0	19.8	20.1	19.8	19.5	19.3	19.5
G162.0	20.2	20.4	20.4	19.8	19.7	19.8	19.6	19.3	19.1	19.5
G163.0	20.1	20.2	20.2	19.7	19.6	19.7	19.6	19.2	19.1	19.3
G164.0	20.0	20.1	20.0	19.6	19.3	19.5	19.5	18.9	18.8	19.2
G165.0	19.7	19.8	19.8	19.5	19.2	19.3	19.3	18.9	18.8	19.1
G166.0	19.6	19.7	19.7	19.5	19.1	19.2	19.2	18.9	18.7	19.1
G167.0	19.3	19.6	19.5	19.2	18.9	18.9	19.1	18.7	18.5	18.8
G168.0	19.2	19.3	19.3	19.1	18.8	18.9	18.9	18.7	18.5	18.8
G169.0	19.1	19.3	19.3	18.9	18.7	18.8	18.9	18.7	18.5	18.8
G170.0	18.9	19.1	19.1	18.9	18.7	18.7	18.8	18.5	18.5	18.7
G171.0	18.8	18.9	18.9	18.9	18.5	18.5	18.8	18.4	18.5	18.7
G172.0	18.8	18.8	18.9	18.9	18.5	18.5	18.8	18.4	18.4	18.5
G173.0	18.7	18.7	18.8	18.8	18.5	18.4	18.7	18.4	18.4	18.5
G174.0	18.5	18.5	18.7	18.8	18.4	18.4	18.7	18.3	18.4	18.5
G175.0	18.7	18.5	18.7	18.8	18.4	18.4	18.5	18.3	18.3	18.5
G176.0	18.7	18.5	18.5	18.8	18.4	18.3	18.5	18.3	18.3	18.5
G177.0	18.7	18.4	18.5	18.7	18.4	18.3	18.5	18.3	18.4	18.5
G178.0	18.7	18.4	18.5	18.8	18.4	18.3	18.5	18.3	18.4	18.5
G179.0	18.7	18.4	18.5	18.7	18.4	18.3	18.5	18.4	18.4	18.5
G180.0	18.7	18.3	18.4	18.7	18.3	18.3	18.7	18.4	18.4	18.7

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-1600
 Distance: 8.567 m
 Humidity:
 Inspector:

Candlepower Table (Continue 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	3408.6	3408.9	3400.4							
G1.0	3411.1	3410.5	3399.7							
G2.0	3416.8	3414.6	3402.2							
G3.0	3424.8	3421.6	3407.3							
G4.0	3436.1	3432.3	3415.8							
G5.0	3449.5	3444.6	3426.6							
G6.0	3465.9	3460.7	3440.6							
G7.0	3484.5	3479.0	3456.6							
G8.0	3507.2	3500.4	3475.3							
G9.0	3529.9	3523.6	3496.0							
G10.0	3556.3	3549.7	3519.2							
G11.0	3585.5	3577.3	3543.4							
G12.0	3616.3	3607.9	3570.3							
G13.0	3650.1	3640.1	3597.9							
G14.0	3686.1	3674.0	3627.2							
G15.0	3723.7	3711.7	3657.0							
G16.0	3767.3	3751.6	3689.1							
G17.0	3812.1	3795.3	3722.4							
G18.0	3860.0	3841.4	3758.9							
G19.0	3910.4	3889.8	3796.4							
G20.0	3966.5	3941.2	3838.1							
G21.0	4026.3	3997.7	3882.7							
G22.0	4086.7	4058.1	3931.4							
G23.0	4152.4	4120.4	3986.2							
G24.0	4219.7	4185.2	4045.1							
G25.0	4294.1	4260.8	4108.7							
G26.0	4373.1	4336.1	4177.9							
G27.0	4458.8	4419.7	4253.6							
G28.0	4543.5	4504.6	4333.8							
G29.0	4641.8	4600.9	4420.5							
G30.0	4739.4	4696.0	4511.0							
G31.0	4842.3	4797.4	4602.0							
G32.0	4950.0	4908.9	4700.8							
G33.0	5060.2	5014.9	4798.5							
G34.0	5171.7	5125.9	4902.2							
G35.0	5288.1	5239.0	5001.0							
G36.0	5405.0	5356.7	5101.8							

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-1600
 Distance: 8.567 m
 Humidity:
 Inspector:

Candlepower Table (Continue 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	5525.8	5471.3	5193.9							
G38.0	5639.6	5587.3	5287.1							
G39.0	5755.9	5699.5	5370.1							
G40.0	5867.5	5808.4	5448.5							
G41.0	5977.6	5917.7	5518.0							
G42.0	6079.9	6020.1	5582.4							
G43.0	6176.3	6118.9	5639.2							
G44.0	6270.2	6211.3	5691.5							
G45.0	6356.0	6304.5	5735.9							
G46.0	6433.2	6386.4	5774.7							
G47.0	6506.6	6463.0	5803.8							
G48.0	6572.6	6534.8	5823.9							
G49.0	6628.7	6600.8	5835.2							
G50.0	6674.8	6656.5	5836.5							
G51.0	6709.7	6699.1	5823.9							
G52.0	6732.1	6730.2	5797.7							
G53.0	6738.7	6746.1	5753.3							
G54.0	6727.2	6745.9	5685.9							
G55.0	6696.0	6722.8	5594.8							
G56.0	6640.8	6674.7	5480.4							
G57.0	6561.1	6595.4	5340.8							
G58.0	6451.3	6476.0	5175.5							
G59.0	6300.5	6323.4	4963.8							
G60.0	6098.1	6112.2	4704.4							
G61.0	5837.0	5860.4	4383.8							
G62.0	5501.1	5541.8	4005.4							
G63.0	5102.5	5183.3	3509.4							
G64.0	4657.0	4769.8	2961.7							
G65.0	4184.8	4347.6	2420.3							
G66.0	3726.6	3897.9	1982.0							
G67.0	3295.0	3464.7	1591.8							
G68.0	2895.0	3054.8	1283.4							
G69.0	2516.0	2675.4	1049.0							
G70.0	2156.1	2306.9	878.4							
G71.0	1847.3	2000.1	751.2							
G72.0	1561.0	1703.9	651.6							
G73.0	1325.6	1448.2	566.6							

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-1600
 Distance: 8.567 m
 Humidity:
 Inspector:

Candlepower Table (Continue 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	1124.2	1218.2	495.8							
G75.0	961.7	1034.3	434.0							
G76.0	824.2	879.0	379.9							
G77.0	718.6	751.4	333.9							
G78.0	623.4	642.2	291.3							
G79.0	546.5	555.9	251.2							
G80.0	477.8	477.4	217.6							
G81.0	418.3	408.5	188.3							
G82.0	365.2	343.4	162.3							
G83.0	314.0	288.7	136.4							
G84.0	255.8	229.2	114.2							
G85.0	206.6	183.3	93.1							
G86.0	162.5	144.5	73.9							
G87.0	127.2	112.7	55.8							
G88.0	95.9	85.5	38.8							
G89.0	69.5	62.2	23.3							
G90.0	46.2	41.5	11.7							
G91.0	26.4	22.3	7.1							
G92.0	13.1	10.6	3.3							
G93.0	6.2	4.1	2.2							
G94.0	4.4	3.5	2.7							
G95.0	4.0	3.9	3.0							
G96.0	4.4	4.3	3.3							
G97.0	4.8	4.8	3.9							
G98.0	5.3	5.3	4.5							
G99.0	5.8	5.9	5.0							
G100.0	6.4	6.4	5.5							
G101.0	6.9	7.1	6.2							
G102.0	7.7	7.6	6.8							
G103.0	8.4	8.2	7.5							
G104.0	8.9	9.0	8.4							
G105.0	9.8	9.7	9.0							
G106.0	10.3	10.3	9.8							
G107.0	11.1	11.2	10.4							
G108.0	11.9	11.9	11.2							
G109.0	12.5	12.5	12.0							
G110.0	13.3	13.1	12.8							

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-1600
 Distance: 8.567 m
 Humidity:
 Inspector:

Candlepower Table (Continue 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	13.9	13.9	13.5							
G112.0	14.6	14.6	14.3							
G113.0	15.3	15.1	15.1							
G114.0	15.8	15.7	15.7							
G115.0	16.5	16.2	16.5							
G116.0	17.0	16.7	17.1							
G117.0	17.5	17.3	17.6							
G118.0	18.0	17.6	18.3							
G119.0	18.4	18.2	18.7							
G120.0	18.9	18.7	19.3							
G121.0	19.3	19.2	19.7							
G122.0	19.6	19.6	20.2							
G123.0	20.0	20.0	20.6							
G124.0	20.1	20.4	20.9							
G125.0	20.5	20.9	21.3							
G126.0	20.7	21.3	21.6							
G127.0	21.0	21.6	21.9							
G128.0	21.1	22.0	22.1							
G129.0	21.4	22.3	22.4							
G130.0	21.5	22.5	22.7							
G131.0	21.6	22.8	22.9							
G132.0	21.9	22.9	23.0							
G133.0	22.1	23.2	23.3							
G134.0	22.1	23.3	23.4							
G135.0	22.4	23.4	23.4							
G136.0	22.5	23.4	23.6							
G137.0	22.5	23.4	23.7							
G138.0	22.7	23.6	23.7							
G139.0	22.7	23.6	23.7							
G140.0	22.8	23.4	23.8							
G141.0	22.8	23.4	23.7							
G142.0	22.7	23.3	23.7							
G143.0	22.7	23.3	23.6							
G144.0	22.5	23.0	23.6							
G145.0	22.4	23.0	23.3							
G146.0	22.4	22.8	23.3							
G147.0	22.1	22.7	23.0							

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-1600
 Distance: 8.567 m
 Humidity:
 Inspector:

Candlepower Table (Continue 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	22.0	22.5	22.9							
G149.0	21.9	22.3	22.7							
G150.0	21.6	22.0	22.5							
G151.0	21.4	21.9	22.3							
G152.0	21.3	21.6	22.1							
G153.0	21.1	21.6	21.9							
G154.0	20.9	21.4	21.8							
G155.0	20.7	21.1	21.5							
G156.0	20.6	20.9	21.4							
G157.0	20.4	20.9	21.1							
G158.0	20.2	20.6	21.0							
G159.0	20.1	20.4	20.7							
G160.0	19.8	20.2	20.6							
G161.0	19.7	20.0	20.5							
G162.0	19.6	19.8	20.2							
G163.0	19.5	19.7	20.1							
G164.0	19.3	19.6	20.0							
G165.0	19.2	19.5	19.7							
G166.0	19.1	18.9	19.6							
G167.0	18.9	19.1	19.3							
G168.0	18.9	18.9	19.2							
G169.0	18.8	18.9	19.1							
G170.0	18.7	18.7	18.9							
G171.0	18.7	18.8	18.8							
G172.0	18.5	18.5	18.8							
G173.0	18.4	18.5	18.7							
G174.0	18.3	18.4	18.5							
G175.0	18.3	18.3	18.7							
G176.0	18.3	18.3	18.7							
G177.0	18.3	18.3	18.7							
G178.0	18.3	18.3	18.7							
G179.0	18.3	18.3	18.7							
G180.0	18.3	18.3	18.7							

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-1600
 Distance: 8.567 m
 Humidity:
 Inspector: