

Report No.:

Test Time: 2016-04-18 19:55

Luminaire Property

Luminaire Manufacturer: P.Q.L., Inc.
Luminaire Description: 83238
Current: 0.378 A
Power Factor: 0.990

Voltage: 121.3 V
Power: 45.40 W

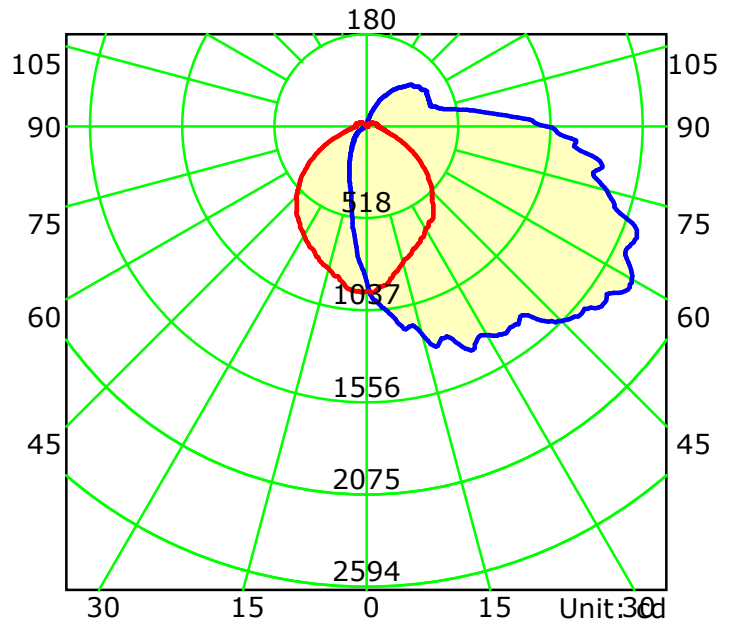
Photometric Results

CIE Class: Semi-Direct	Total Rated Lamp Lumens: 4330.8 lm
Measurement Flux: 4330.8 lm	Efficiency: 100%
Downward Ratio: 83%	Upward Ratio: 17%
Horizontal Diffuse Angle(10%,25%,50%,75%): H201.4,H130,H104.8,H87.8	
Vertical Diffuse Angle(10%,25%,50%,75%): V160.3,V132.4,V101,V56.7	
Luminaire Efficacy Rating (LER): 95.44	Central Intensity: 872.87 cd
Max. Intensity: 1737.33 cd	Pos of Max. Intensity: H0 V58.5
S/MH(C0/C180): 1.37	S/MH(C90/C270): 1.11

Picture Of Luminaire



Luminous Intensity Distribution Curve



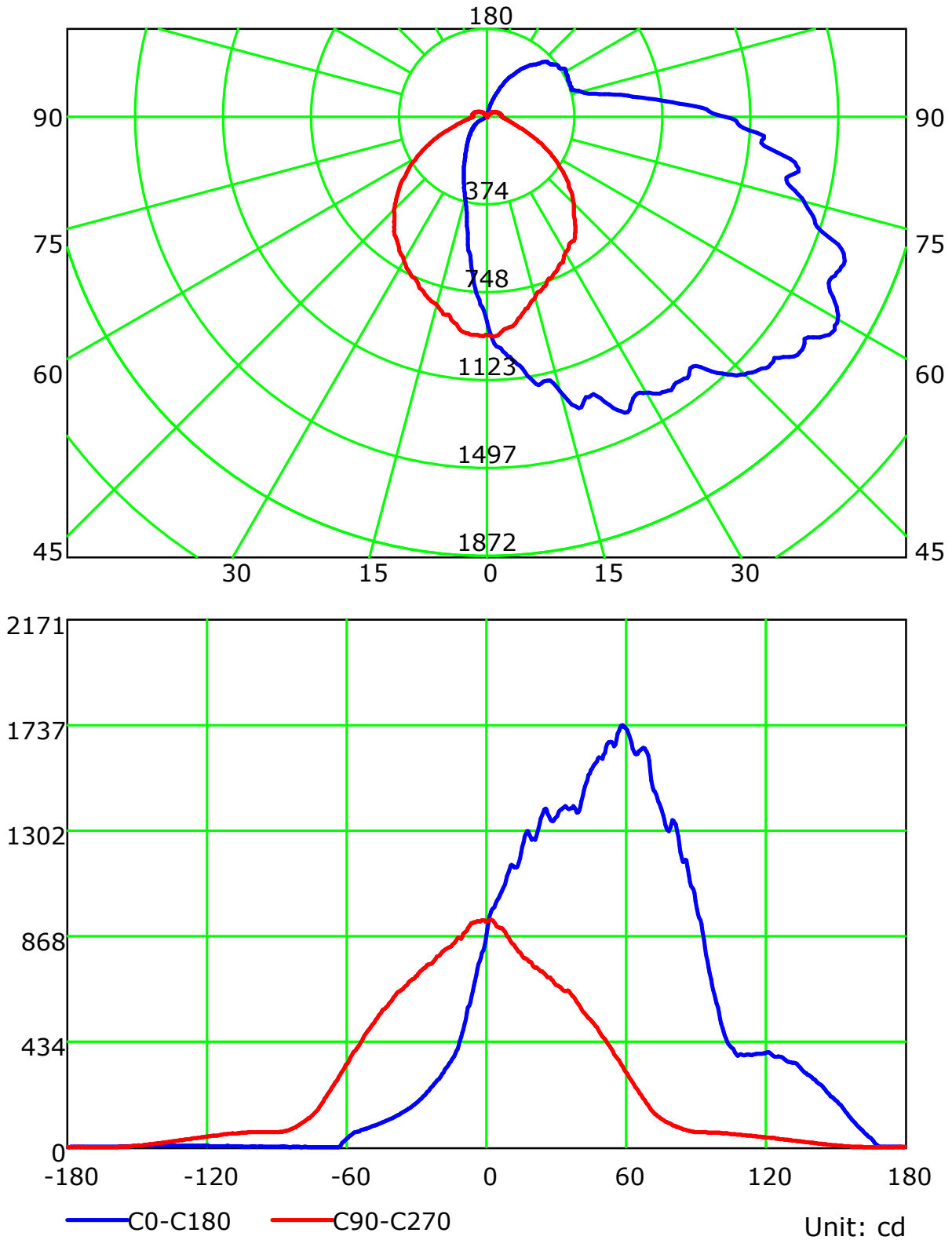
Average Diffuse Angle(50%): 97.1°

— 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: 8.800 m
Humidity:
Inspector:

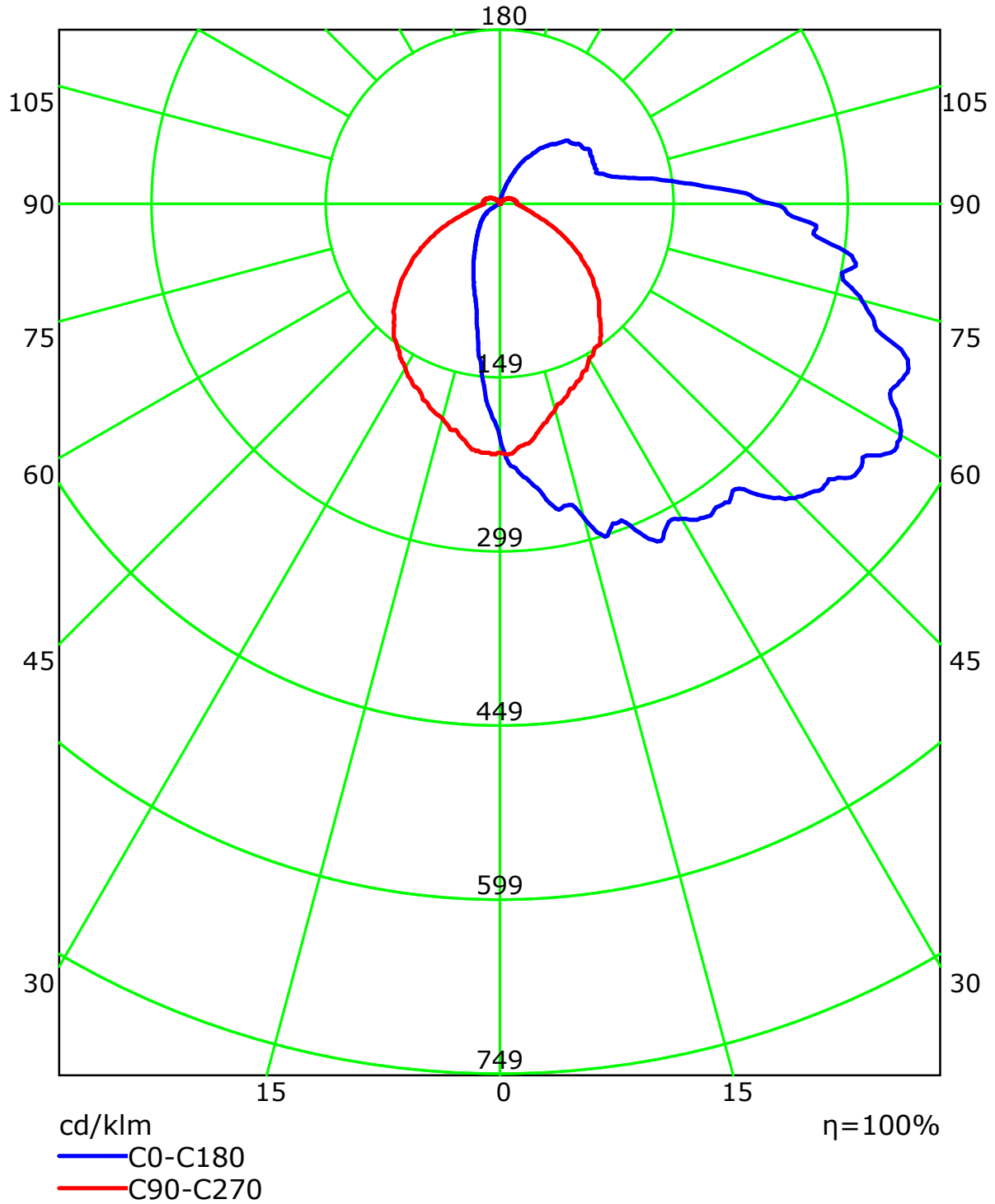
Luminous Intensity Distribution Curve



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: 8.800 m
Humidity:
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



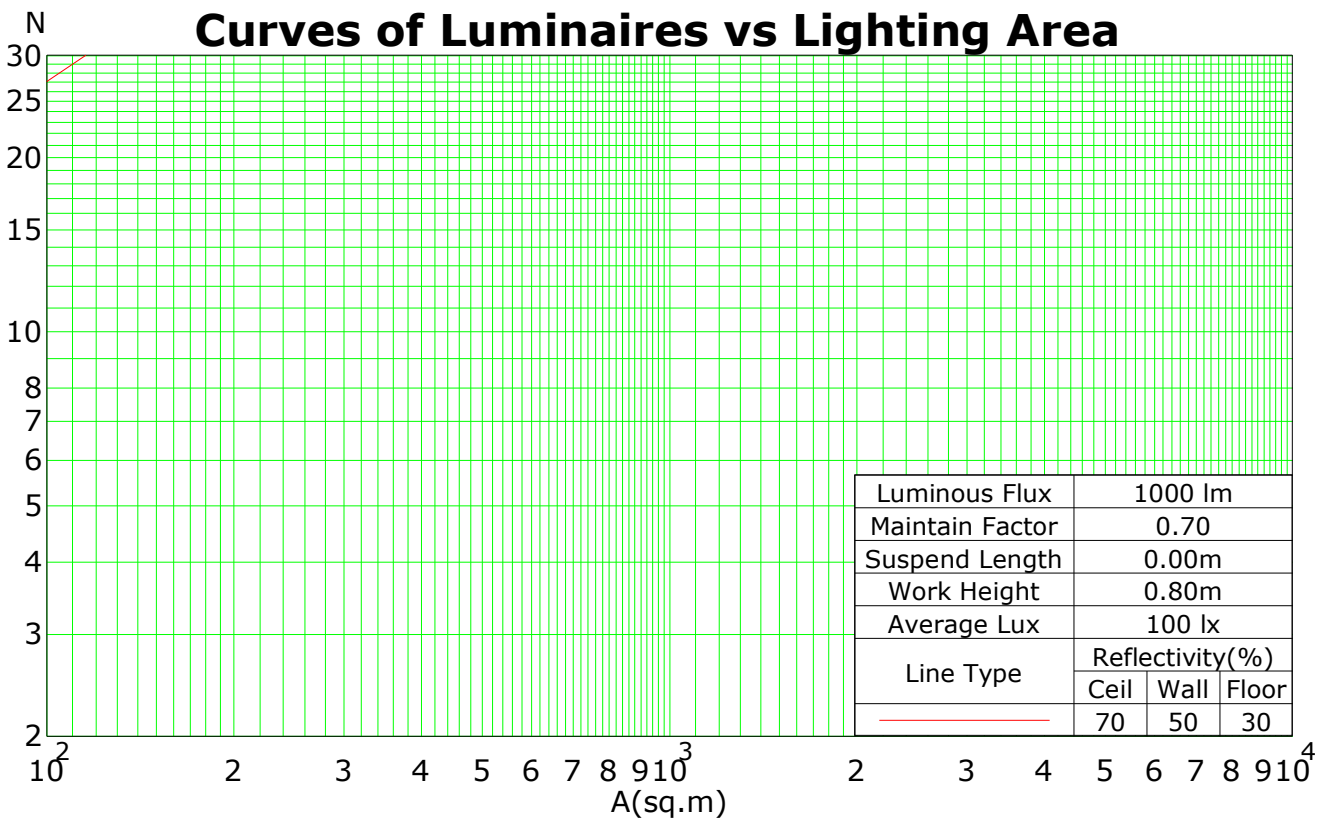
C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:0.5
Test Device: GPM-1600
Distance: 8.800 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	115	115	115	115	110	110	110	110	102	102	102	94	94	94	86	86	86	83
1	101	94	89	84	96	90	85	81	83	79	75	76	73	70	70	67	64	61
2	90	80	72	65	86	77	69	63	70	64	59	64	59	55	59	55	51	48
3	81	69	60	52	77	66	57	50	60	53	47	55	49	44	50	46	41	38
4	74	60	50	43	70	58	49	42	53	45	39	48	42	37	44	39	34	31
5	67	53	43	36	64	51	42	35	47	39	33	43	36	31	39	34	29	26
6	62	47	38	31	59	46	37	30	42	34	28	39	32	27	35	30	25	23
7	57	43	33	27	54	41	32	26	38	30	25	35	28	23	32	26	22	20
8	53	39	30	24	50	37	29	23	35	27	22	32	25	21	29	24	20	17
9	49	35	27	21	47	34	26	20	32	24	19	29	23	18	27	22	17	15
10	46	32	24	19	44	31	24	18	29	22	17	27	21	17	25	20	16	14

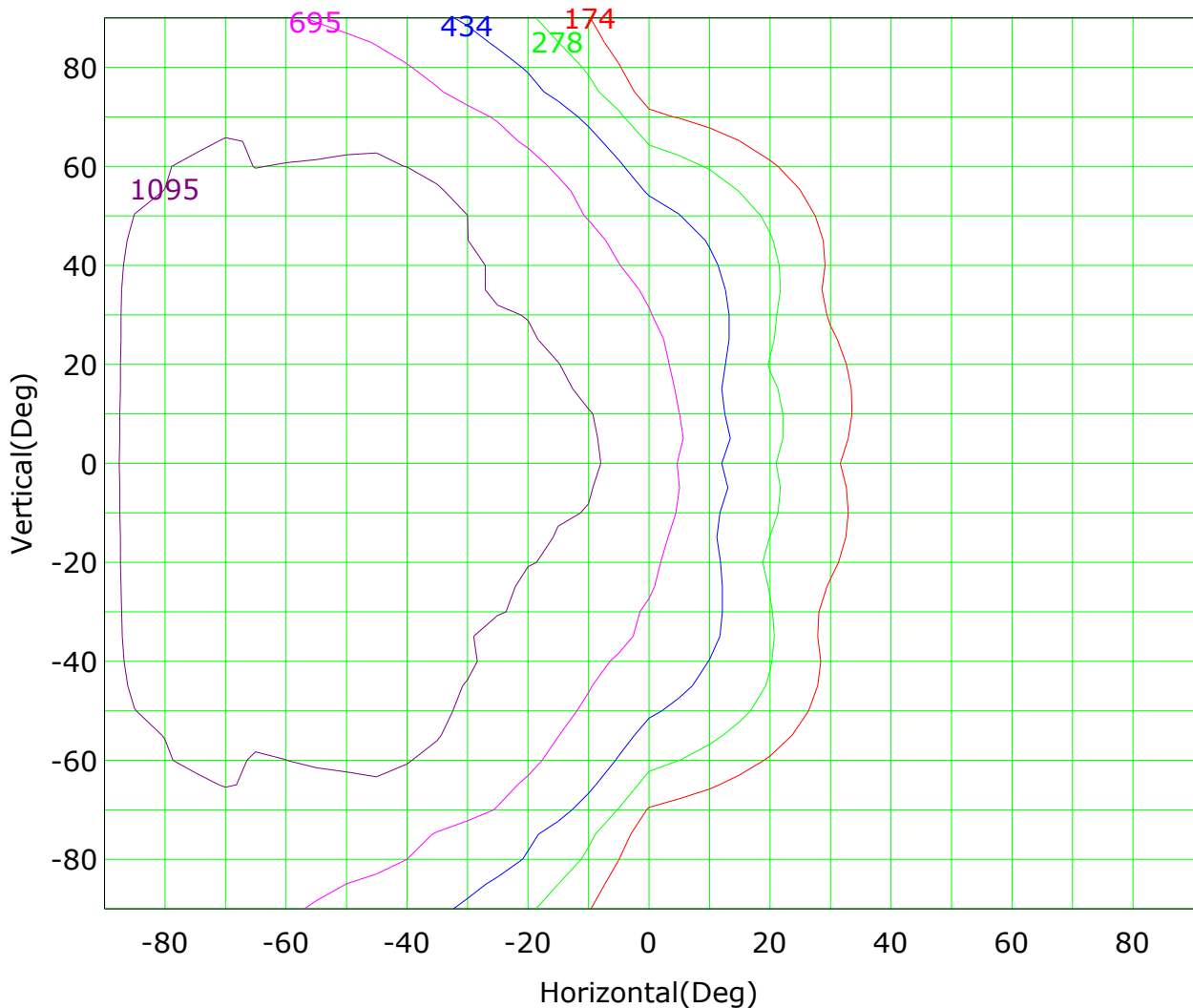
Spacing Criteria (0-180): 1.37
 Spacing Criteria (90-270): 1.11
 Spacing Criteria (Diagonal): 1.47



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: 8.800 m
 Humidity:
 Inspector:

Isocandela (rectangle)



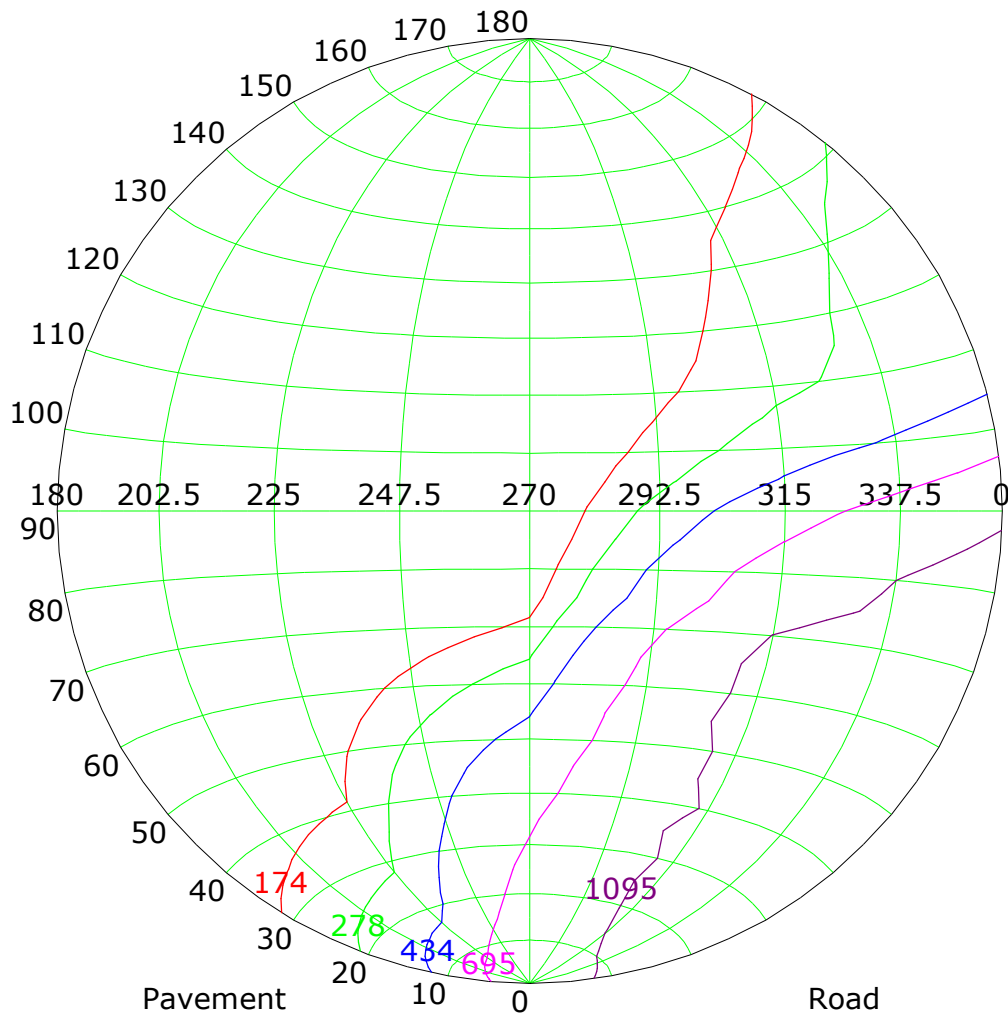
Imax (100%): 1737 cd

- | | |
|-----------------|-----------------|
| (10%): 174 cd | (16%): 278 cd |
| (25%): 434 cd | (40%): 695 cd |
| (63%): 1095 cd | (100%): 1737 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: 8.800 m
Humidity:
Inspector:

Isocandela (sphere)



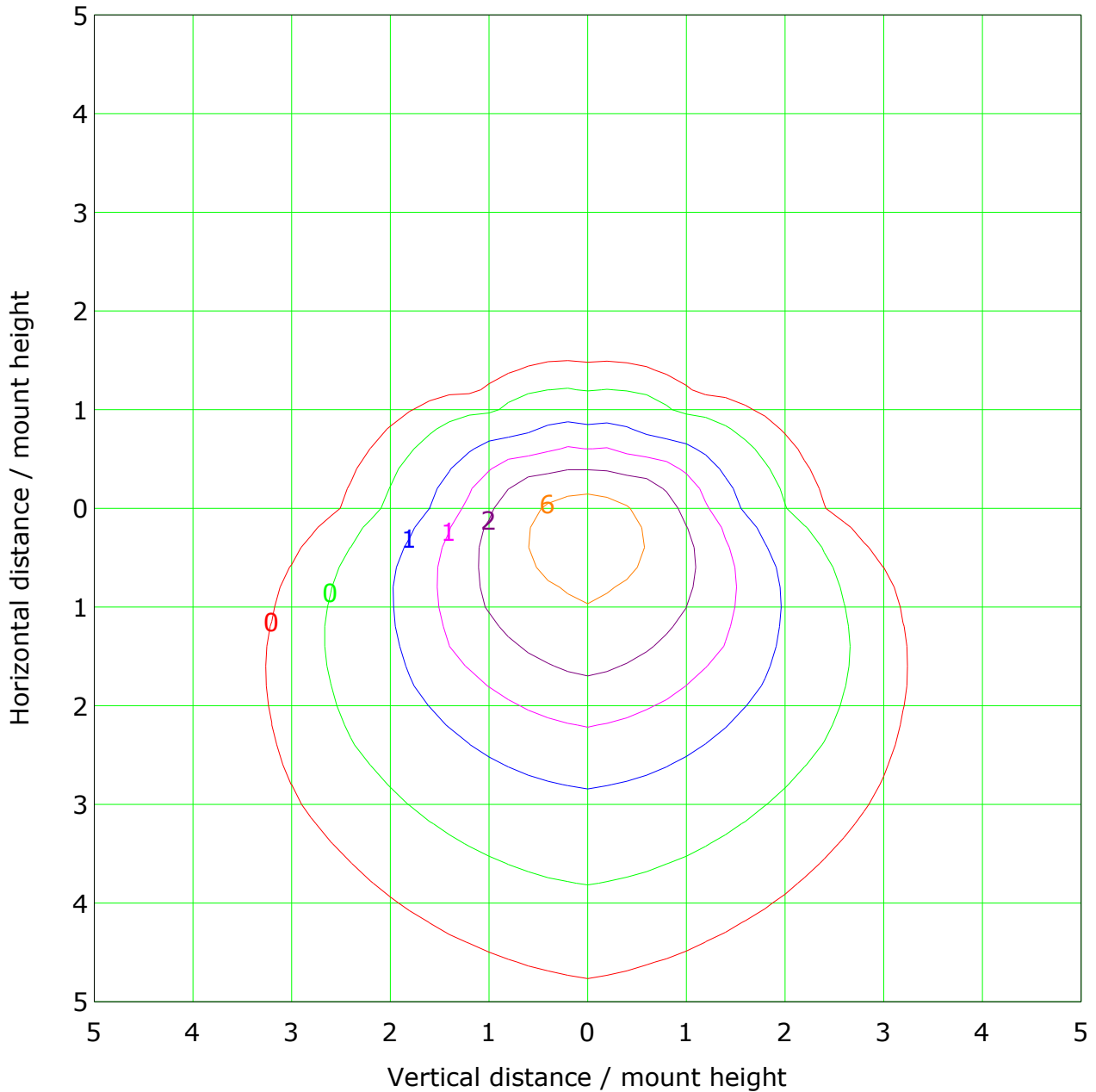
Imax (100%): 1737 cd

— (10%): 174 cd	— (16%): 278 cd
— (25%): 434 cd	— (40%): 695 cd
— (63%): 1095 cd	— (100%): 1737 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: 8.800 m
Humidity:
Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 11.3 lx

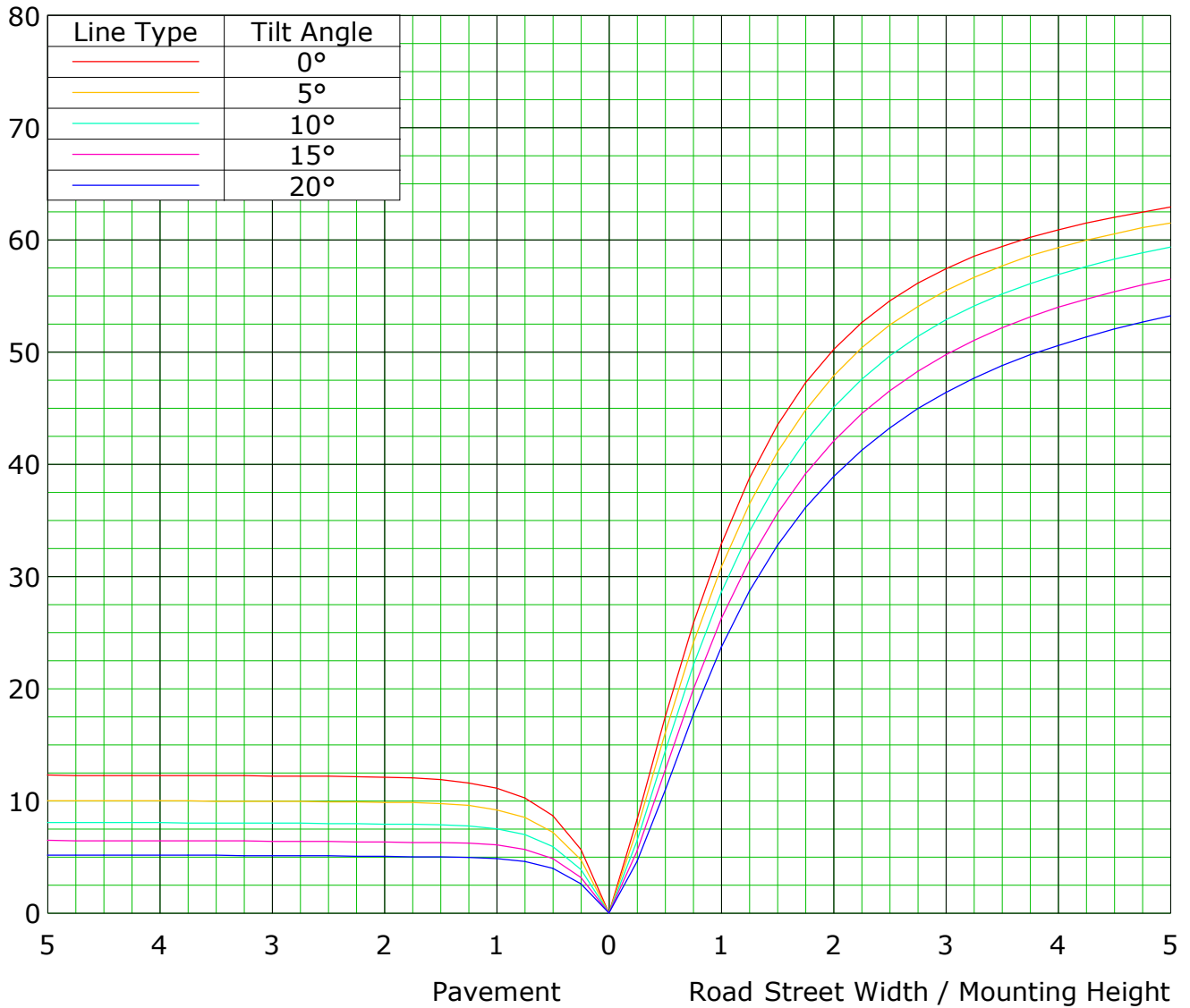
(1%): 0.1 lx	(2%): 0.2 lx
(5%): 0.6 lx	(10%): 1.1 lx
(20%): 2.3 lx	(50%): 5.6 lx
(100%): 11.3 lx	

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: 8.800 m
Humidity:
Inspector:

Roadway CU Curve

Efficiency(%)

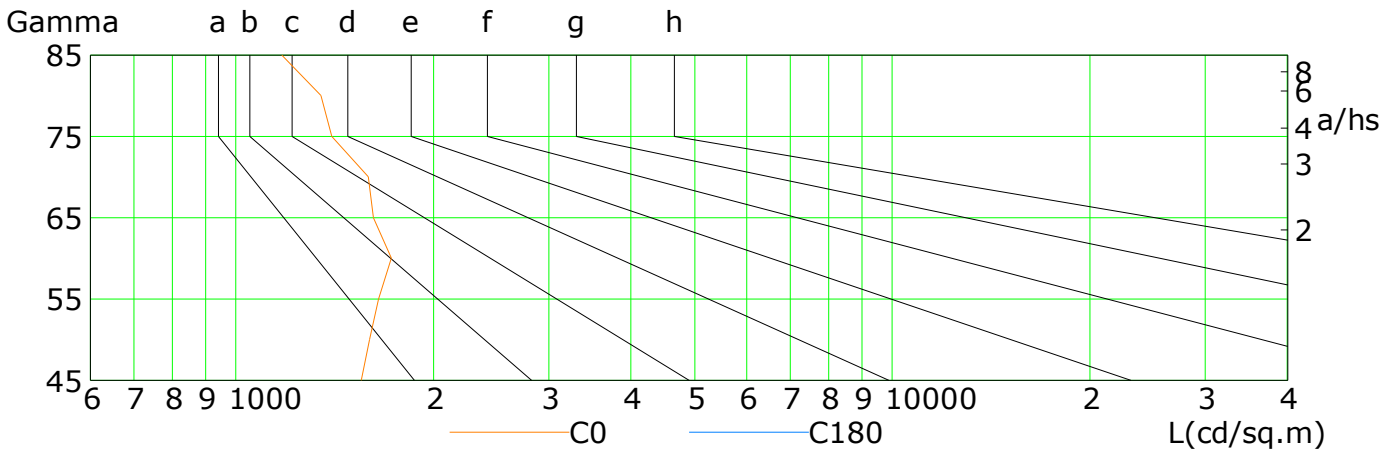
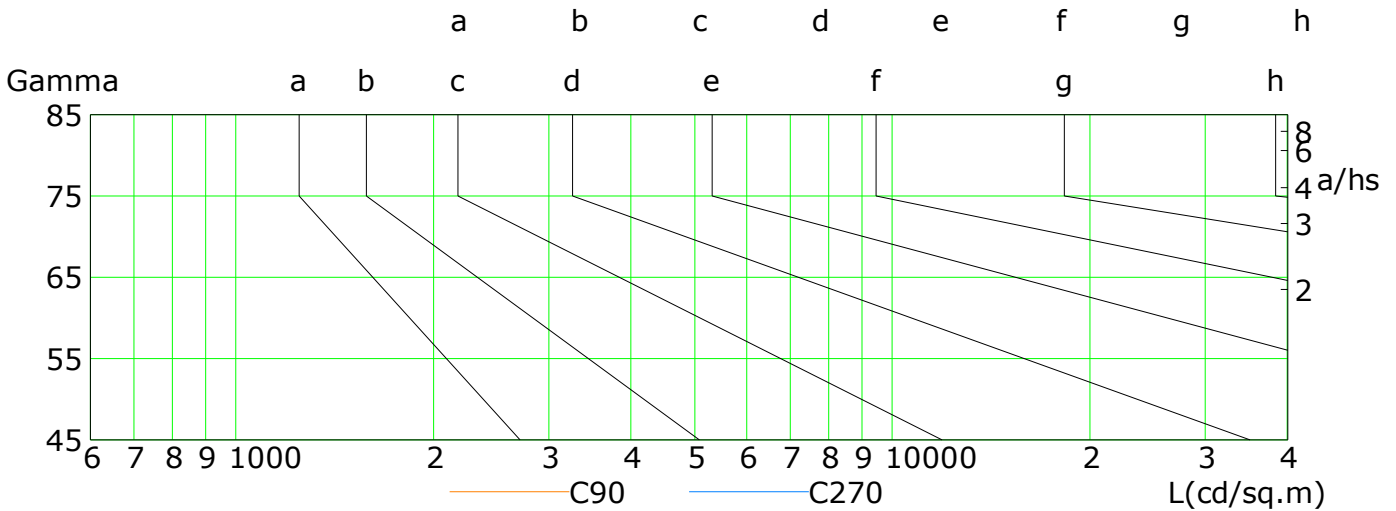


C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:0.5
 Test Device: GPM-1600
 Distance: 8.800 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

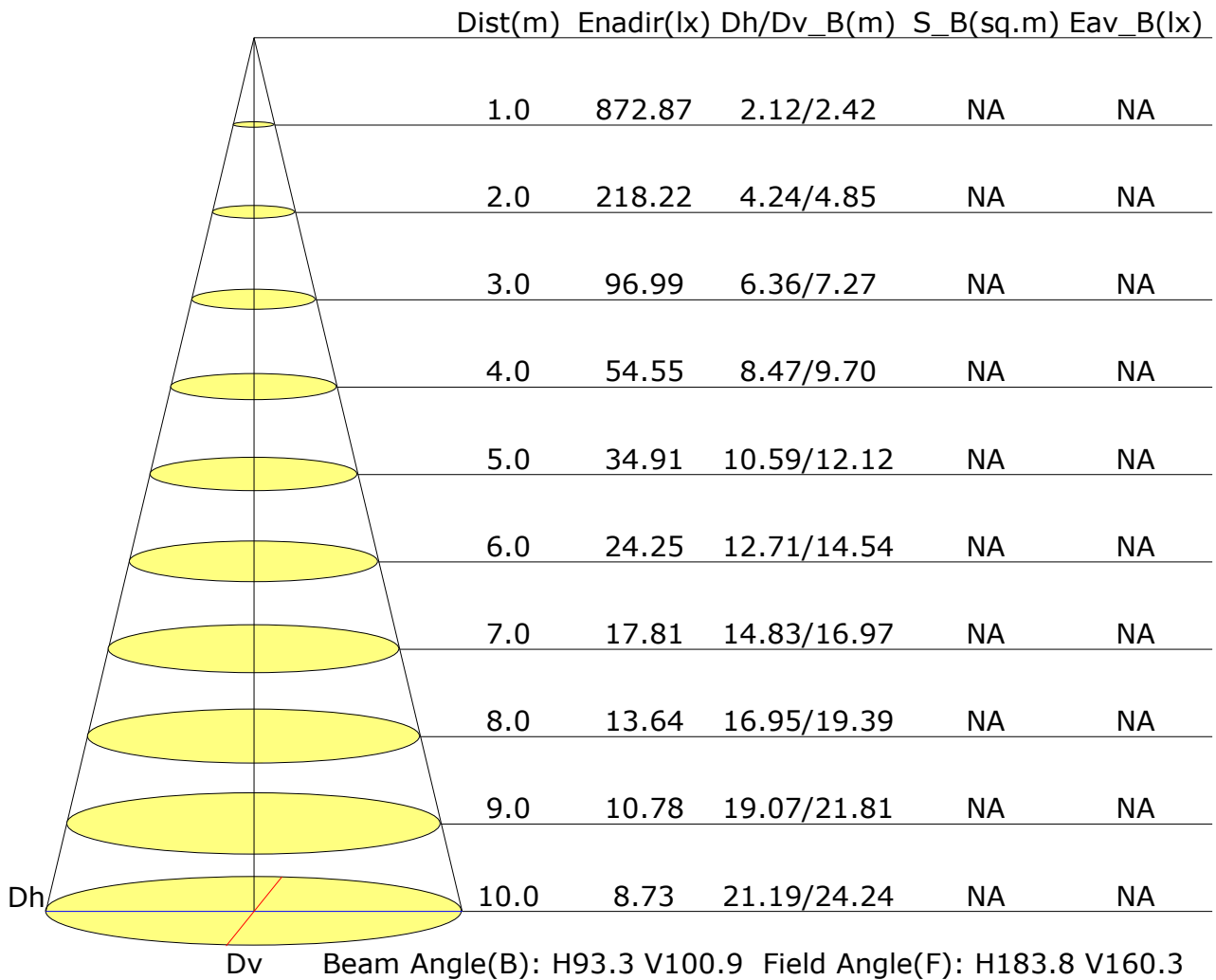


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1553	1601	1652	1725	1621	1592	1399	1348	1176
C90	525	456	385	312	236	167	119	93	74
C180	103	84	66	38	0	1	1	2	2
C270	561	493	419	345	267	192	131	96	72

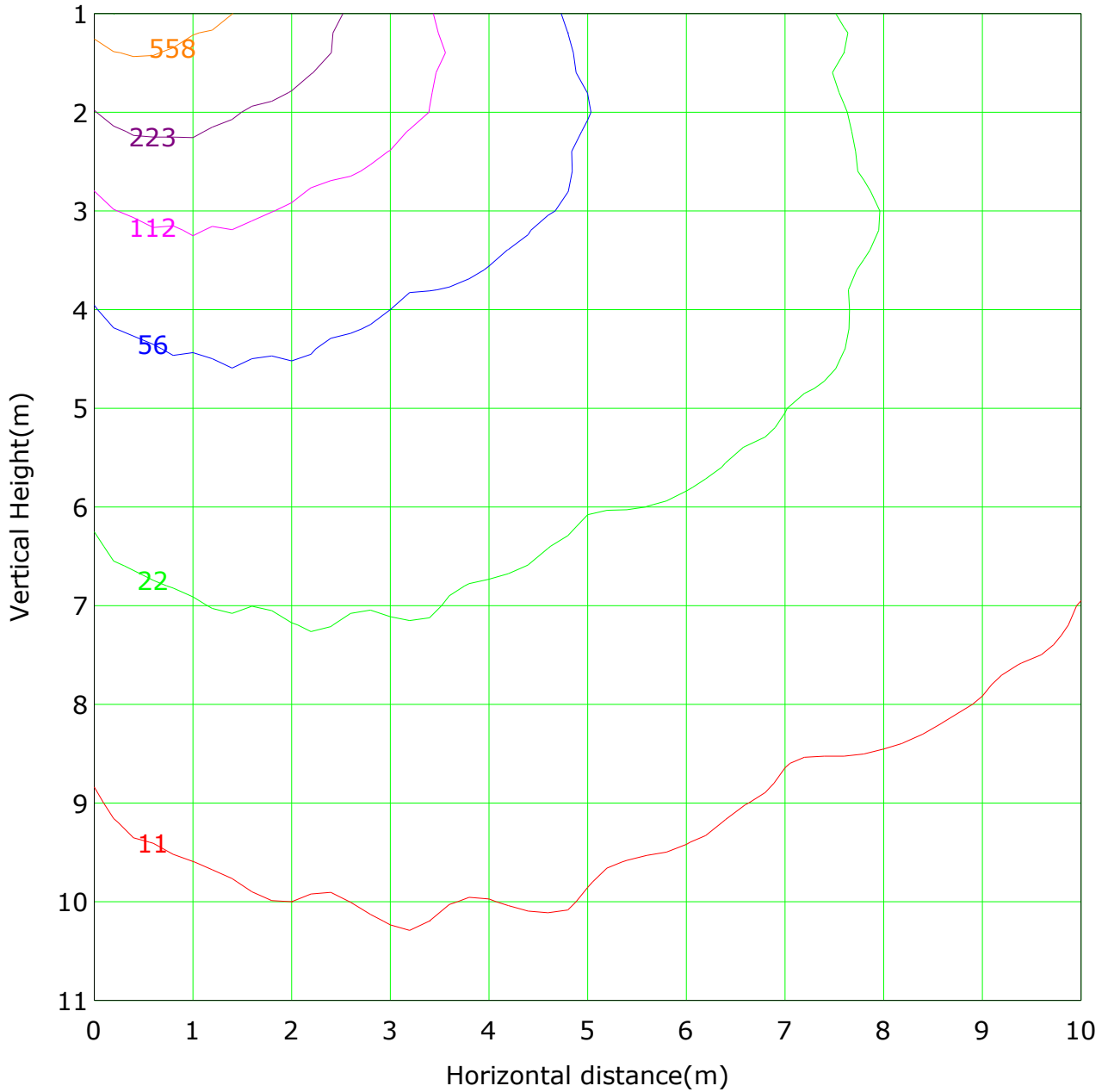
C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:0.5
 Test Device: GPM-1600
 Distance: 8.800 m
 Humidity:
 Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1116.8 lx

— (1%): 11.2 lx	— (2%): 22.3 lx
— (5%): 55.8 lx	— (10%): 111.7 lx
— (20%): 223.4 lx	— (50%): 558.4 lx
— (100%):1116.8 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)	Flux(T)	0.0	0.0	0.1	0.1	0.2	0.5	1.0	1.5	2.0	4.4	8.4	11.6	13.7	14.4	13.3	10.9	7.2	2.6	91.9	83.9
		0.0	0.0	0.1	0.1	0.2	0.7	1.5	2.6	3.6	6.9	11.9	15.7	17.8	18.1	15.9	12.3	7.9	2.7	118.0	108.3
0.0	0.0	0.1	0.1	0.1	0.1	0.1	1.1	2.9	5.1	7.2	11.4	17.2	21.3	23.3	22.2	18.1	13.8	8.5	2.8	155.2	148.4
0.0	0.0	0.0	0.0	0.1	0.6	2.1	4.8	8.1	11.3	15.9	21.4	25.6	27.8	27.8	26.1	21.3	14.8	9.1	2.9	192.1	187.1
0.0	0.0	0.0	0.4	1.3	2.8	6.1	10.4	14.9	19.6	24.3	27.8	29.9	29.9	28.4	23.6	16.5	9.5	3.0	218.5	213.4	
0.0	0.0	0.1	0.7	1.9	3.3	6.3	11.5	17.4	23.0	27.2	29.5	30.7	30.7	29.4	25.2	18.1	9.9	3.1	237.3	230.6	
0.0	0.0	0.1	1.0	2.3	3.8	6.1	11.6	19.1	25.9	30.4	32.6	31.0	30.1	26.6	19.2	10.3	3.2	253.3	246.5		
0.0	0.0	0.1	1.2	2.4	4.1	6.7	10.9	20.4	28.5	33.3	34.0	32.2	31.0	27.6	20.1	10.7	3.2	266.6	260.2		
0.0	0.0	0.1	1.2	2.3	4.0	6.8	11.5	21.6	31.0	34.7	35.9	33.8	32.2	28.7	20.9	11.0	3.3	279.0	272.6		
0.0	0.0	0.1	1.2	2.3	3.9	6.7	11.3	21.2	30.6	34.3	35.6	33.6	32.1	28.6	20.9	11.0	3.3	276.7	270.3		
0.0	0.0	0.1	1.1	2.4	4.0	6.4	10.4	19.4	27.4	31.9	33.0	31.9	30.8	27.5	20.1	10.7	3.2	260.3	253.8		
0.0	0.0	0.1	1.0	2.2	3.7	5.8	11.0	18.1	24.6	28.9	31.4	30.5	30.0	26.4	19.2	10.3	3.2	246.2	238.9		
0.0	0.0	0.1	0.7	1.9	3.2	5.9	11.0	16.7	22.1	26.4	28.6	30.2	29.0	25.1	18.1	9.9	3.1	231.9	225.0		
0.0	0.0	0.0	0.3	1.3	2.6	5.7	9.7	13.9	18.6	23.4	27.2	29.2	28.0	23.6	16.6	9.5	3.0	212.8	207.5		
0.0	0.0	0.0	0.6	2.0	4.5	7.4	10.4	14.9	20.5	24.8	27.4	26.1	21.4	14.8	9.1	2.9	186.9	181.6			
0.0	0.0	0.0	0.1	0.1	0.9	2.6	4.5	6.4	10.6	16.6	21.1	23.4	22.3	17.9	13.7	8.5	2.8	151.4	143.8		
0.0	0.0	0.1	0.1	0.1	0.6	1.4	2.3	3.3	6.5	11.6	15.4	17.5	17.7	15.9	12.3	7.8	2.7	115.3	106.1		
0.0	0.0	0.1	0.1	0.1	0.5	1.0	1.5	2.0	4.4	8.3	11.5	13.5	14.2	13.1	10.7	7.2	2.6	90.7	82.6		
0.2	0.4	1.3	9.4	22.4	43.9	82.1	142.4	229.1	326.3	410.5	462.6	477.4	446.2	399.7	292.8	168.1	53.3	3584			
0.0	0.0	0.0	0.0	0.0	5.6	63.5	129.5	216.8	318.7	410.5	462.6	477.4	446.2	399.7	292.8	168.1	53.3	3461			

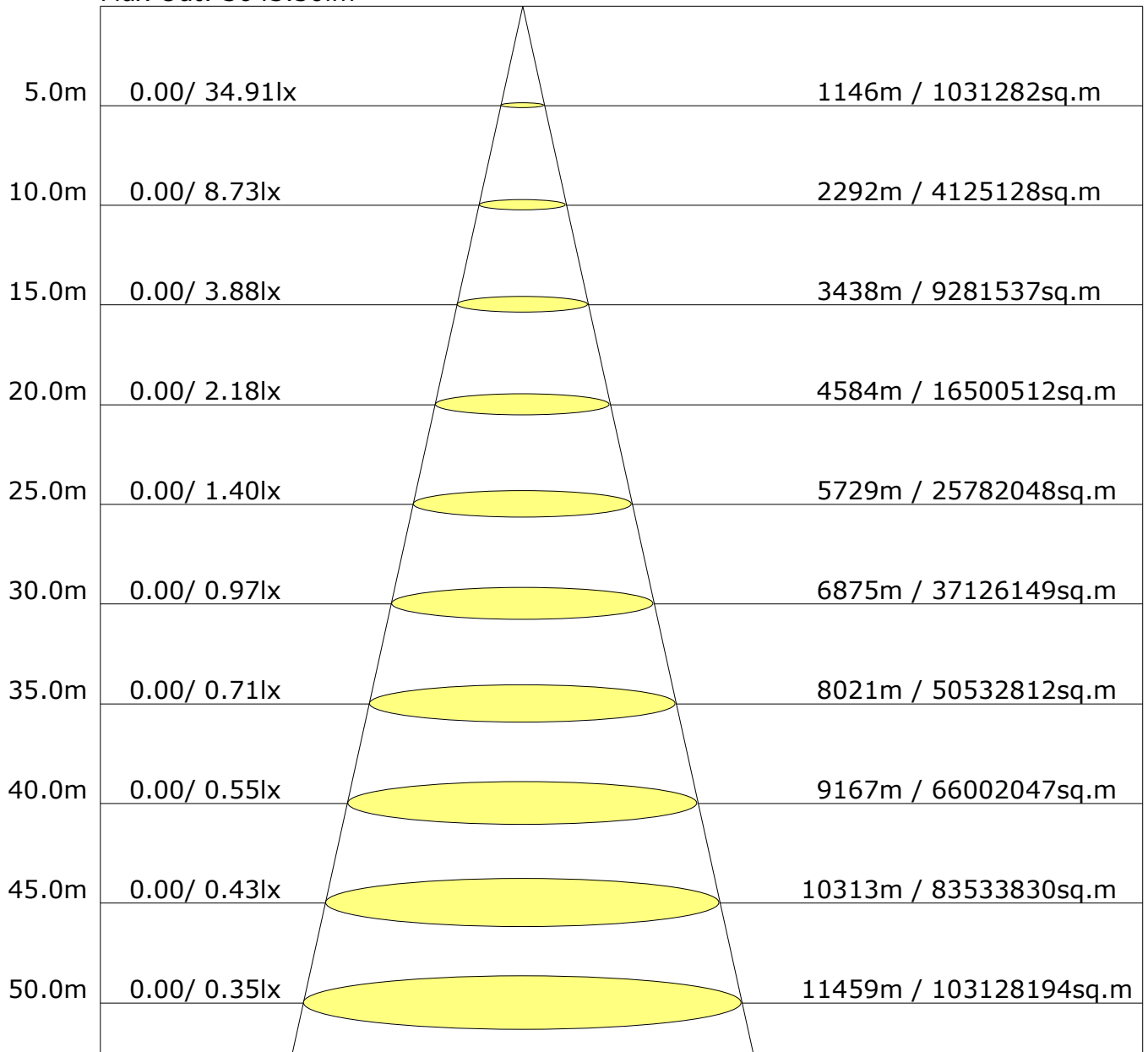
Horizontal plane

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: 8.800 m
 Humidity:
 Inspector:

The Average Illuminance Effective Figure

Flux Out: 3643.50lm



Height Avg./Nadir. E Beam Angle:179.0° Diameter / Area

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: 8.800 m
 Humidity:
 Inspector:

UGR Table

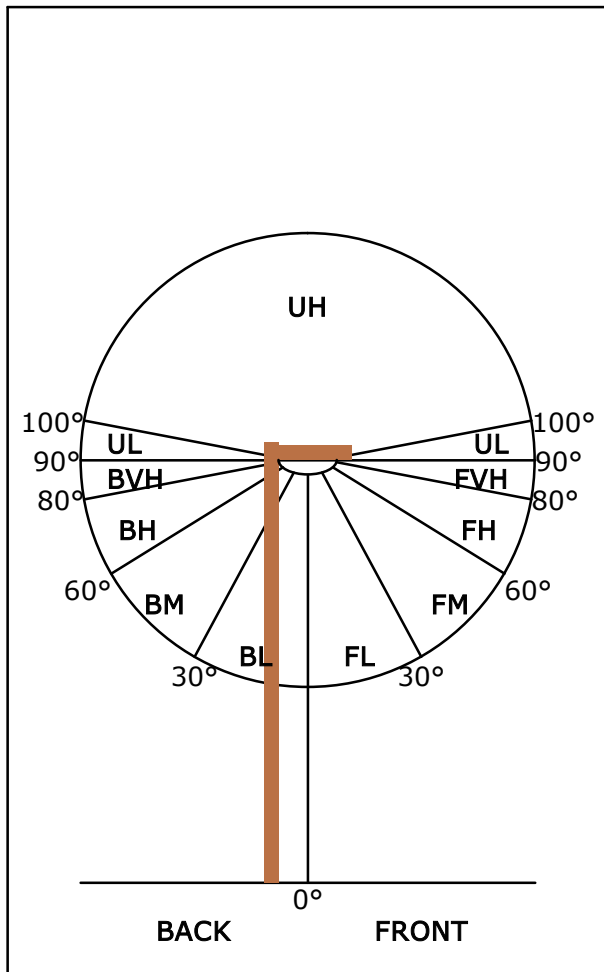
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-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 4331lm ($8\log(F/F_0) = 5.1$).

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: 8.800 m
 Humidity:
 Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



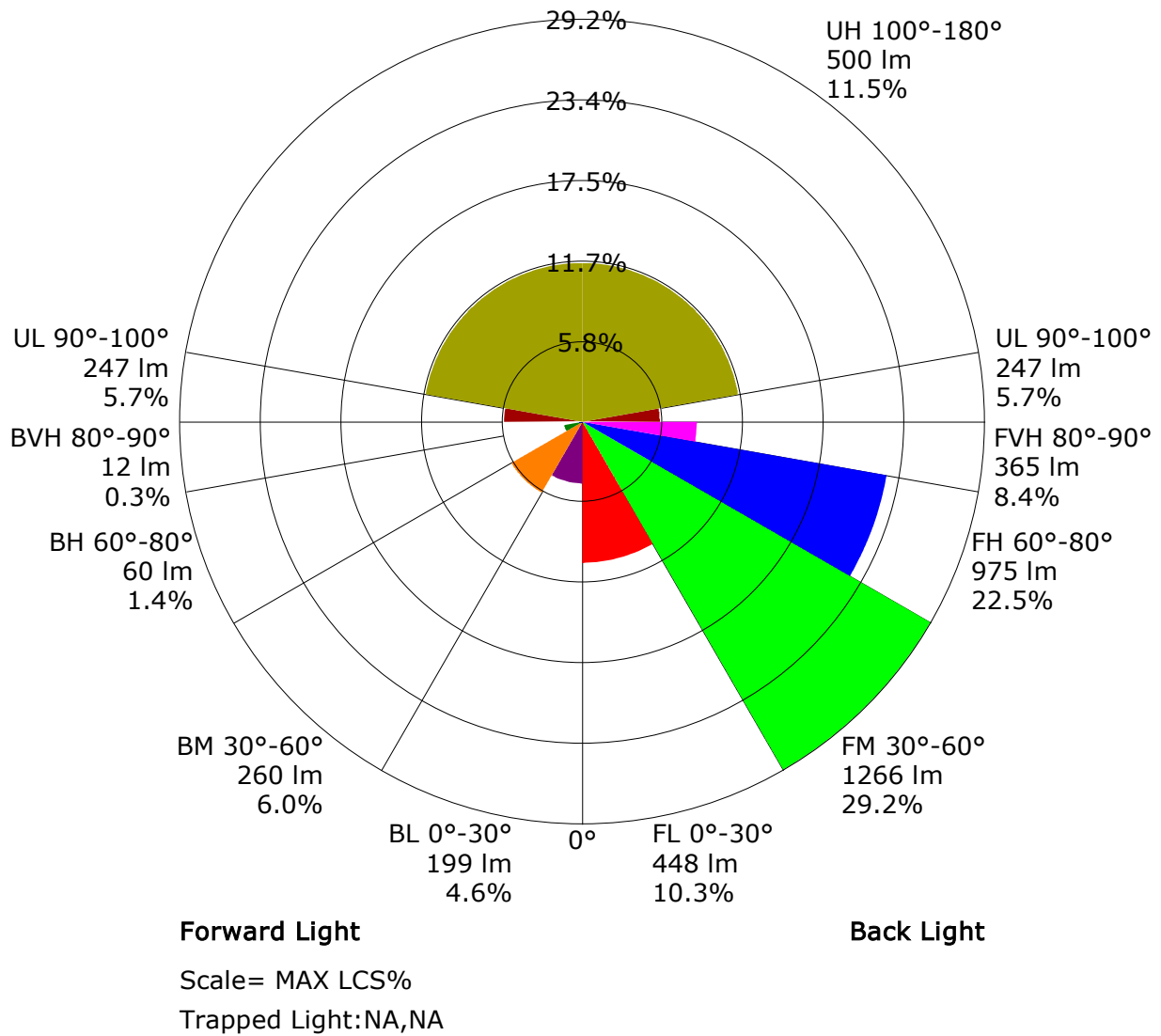
ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	3053	70.5
FL (0°-30°)	448	10.3
FM (30°-60°)	1266	29.2
FH (60°-80°)	975	22.5
FVH (80°-90°)	365	8.4
BACK LIGHT	531	12.3
BL (0°-30°)	199	4.6
BM (30°-60°)	260	6.0
BH (60°-80°)	60	1.4
BVH (80°-90°)	12	0.3
UP LIGHT	747	17.2
UL (90°-100°)	247	5.7
UH (100°-180°)	500	11.5
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U5 G2
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U5 G2

C Plane (°):0.0-360.0: 45.0
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Gamma Plane (°):0.0-180.0:0.5
 Test Device: GPM-1600
 Distance: 8.800 m
 Humidity:
 Inspector:

LCS Graph



Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.50									
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	0.46	0.54	0.61	0.67	0.74	0.79	0.83	0.88	0.92	
	0.30		0.38	0.45	0.53	0.58	0.66	0.72	0.77	0.83	0.87	
	0.20		0.32	0.39	0.46	0.52	0.60	0.66	0.71	0.78	0.83	
0.50	0.50	0.20	0.43	0.50	0.57	0.61	0.68	0.73	0.76	0.81	0.84	
	0.30		0.36	0.43	0.50	0.55	0.62	0.67	0.71	0.77	0.80	
	0.20		0.30	0.37	0.44	0.49	0.57	0.62	0.66	0.73	0.77	
0.30	0.50	0.20	0.40	0.46	0.52	0.57	0.63	0.67	0.70	0.74	0.77	
	0.30		0.34	0.40	0.46	0.51	0.58	0.62	0.66	0.71	0.74	
	0.20		0.29	0.35	0.42	0.46	0.53	0.58	0.62	0.68	0.71	
0.00	0.00	0.00	0.25	0.30	0.36	0.40	0.47	0.51	0.55	0.60	0.63	
<p>Rating:45W 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 = 1.50									
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	1.06	0.92	0.80	0.71	0.59	0.50	0.44	0.36	0.30	
	0.30		0.88	0.79	0.70	0.63	0.53	0.46	0.41	0.34	0.28	
	0.20		0.76	0.69	0.62	0.57	0.49	0.43	0.38	0.32	0.27	
0.50	0.50	0.20	0.99	0.86	0.75	0.67	0.55	0.49	0.41	0.33	0.28	
	0.30		0.84	0.75	0.66	0.60	0.50	0.44	0.39	0.32	0.27	
	0.20		0.72	0.66	0.59	0.54	0.46	0.41	0.36	0.30	0.26	
0.30	0.50	0.20	0.93	0.80	0.70	0.62	0.51	0.44	0.39	0.31	0.26	
	0.30		0.79	0.71	0.62	0.56	0.47	0.41	0.36	0.30	0.25	
	0.20		0.69	0.63	0.56	0.51	0.44	0.39	0.34	0.28	0.24	
0.00	0.00	0.00	0.58	0.52	0.47	0.42	0.36	0.32	0.28	0.23	0.20	
<p>Rating:45W 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 = 1.50								
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	0.34	0.35	0.36	0.36	0.37	0.38	0.38	0.38	0.39
	0.30		0.26	0.28	0.29	0.30	0.31	0.32	0.33	0.34	0.35
	0.20		0.21	0.22	0.24	0.25	0.26	0.28	0.29	0.31	0.32
0.50	0.50	0.20	0.32	0.34	0.35	0.35	0.36	0.36	0.37	0.37	0.37
	0.30		0.26	0.27	0.28	0.29	0.30	0.31	0.32	0.33	0.34
	0.20		0.21	0.22	0.23	0.24	0.26	0.27	0.28	0.30	0.31
0.30	0.50	0.20	0.31	0.33	0.33	0.34	0.34	0.35	0.35	0.35	0.36
	0.30		0.25	0.27	0.28	0.28	0.30	0.30	0.31	0.32	0.33
	0.20		0.21	0.22	0.23	0.24	0.25	0.27	0.28	0.29	0.30
0.00	0.00	0.00	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17

Rating:45W Photometrically tested without ceiling board.
 Multiply UF values by service correction factors
 Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-0.5	908.9	0.2	0.2	0.01	0.01
0.5-1.0	909.7	0.7	0.9	0.02	0.02
1.0-1.5	910.5	1.1	2.0	0.03	0.05
1.5-2.0	910.7	1.5	3.5	0.04	0.08
2.0-2.5	908.1	2.0	5.4	0.05	0.13
2.5-3.0	903.9	2.4	7.8	0.05	0.18
3.0-3.5	900.0	2.8	10.6	0.06	0.25
3.5-4.0	896.8	3.2	13.8	0.07	0.32
4.0-4.5	893.5	3.6	17.5	0.08	0.40
4.5-5.0	888.7	4.0	21.5	0.09	0.50
5.0-5.5	884.6	4.4	25.9	0.10	0.60
5.5-6.0	880.6	4.8	30.8	0.11	0.71
6.0-6.5	876.0	5.2	36.0	0.12	0.83
6.5-7.0	871.1	5.6	41.6	0.13	0.96
7.0-7.5	866.0	6.0	47.6	0.14	1.10
7.5-8.0	861.4	6.4	54.0	0.15	1.25
8.0-8.5	857.0	6.7	60.7	0.16	1.40
8.5-9.0	852.6	7.1	67.8	0.16	1.57
9.0-9.5	847.6	7.5	75.3	0.17	1.74
9.5-10.0	841.7	7.8	83.1	0.18	1.92
10.0-10.5	836.3	8.2	91.3	0.19	2.11
10.5-11.0	832.0	8.5	99.8	0.20	2.30
11.0-11.5	827.8	8.9	108.6	0.20	2.51
11.5-12.0	823.5	9.2	117.8	0.21	2.72
12.0-12.5	818.5	9.5	127.4	0.22	2.94
12.5-13.0	811.2	9.8	137.2	0.23	3.17
13.0-13.5	803.5	10.1	147.3	0.23	3.40
13.5-14.0	797.8	10.4	157.7	0.24	3.64
14.0-14.5	794.1	10.7	168.4	0.25	3.89
14.5-15.0	790.5	11.0	179.4	0.25	4.14
15.0-15.5	785.7	11.3	190.8	0.26	4.40
15.5-16.0	780.5	11.6	202.4	0.27	4.67
16.0-16.5	776.1	11.9	214.3	0.27	4.95
16.5-17.0	772.9	12.2	226.5	0.28	5.23
17.0-17.5	770.0	12.5	239.0	0.29	5.52
17.5-18.0	766.5	12.8	251.8	0.30	5.81

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: 8.800 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 [%]
18.0-18.5	761.8	13.1	264.9	0.30	6.12
18.5-19.0	756.8	13.3	278.2	0.31	6.42
19.0-19.5	753.0	13.6	291.9	0.31	6.74
19.5-20.0	750.2	13.9	305.8	0.32	7.06
20.0-20.5	748.3	14.2	320.0	0.33	7.39
20.5-21.0	747.1	14.5	334.5	0.34	7.72
21.0-21.5	747.8	14.9	349.3	0.34	8.07
21.5-22.0	749.9	15.2	364.6	0.35	8.42
22.0-22.5	751.2	15.6	380.2	0.36	8.78
22.5-23.0	751.4	15.9	396.1	0.37	9.15
23.0-23.5	751.1	16.3	412.4	0.38	9.52
23.5-24.0	751.0	16.6	428.9	0.38	9.90
24.0-24.5	750.1	16.9	445.8	0.39	10.29
24.5-25.0	748.3	17.2	463.0	0.40	10.69
25.0-25.5	745.9	17.4	480.5	0.40	11.09
25.5-26.0	741.4	17.7	498.1	0.41	11.50
26.0-26.5	735.1	17.8	515.9	0.41	11.91
26.5-27.0	729.1	18.0	533.9	0.42	12.33
27.0-27.5	724.4	18.2	552.1	0.42	12.75
27.5-28.0	720.3	18.4	570.5	0.42	13.17
28.0-28.5	716.3	18.6	589.1	0.43	13.60
28.5-29.0	712.6	18.8	607.9	0.43	14.04
29.0-29.5	709.3	19.0	626.9	0.44	14.48
29.5-30.0	706.4	19.2	646.1	0.44	14.92
30.0-30.5	704.3	19.5	665.6	0.45	15.37
30.5-31.0	703.8	19.7	685.3	0.46	15.82
31.0-31.5	705.1	20.1	705.4	0.46	16.29
31.5-32.0	707.2	20.4	725.8	0.47	16.76
32.0-32.5	708.7	20.7	746.5	0.48	17.24
32.5-33.0	709.3	21.0	767.5	0.49	17.72
33.0-33.5	708.6	21.3	788.8	0.49	18.21
33.5-34.0	707.1	21.5	810.4	0.50	18.71
34.0-34.5	705.2	21.8	832.1	0.50	19.21
34.5-35.0	702.7	22.0	854.1	0.51	19.72
35.0-35.5	700.5	22.2	876.3	0.51	20.23
35.5-36.0	698.2	22.4	898.6	0.52	20.75

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: 8.800 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 [%]
36.0-36.5	695.2	22.5	921.2	0.52	21.27
36.5-37.0	691.2	22.7	943.9	0.52	21.79
37.0-37.5	687.6	22.8	966.7	0.53	22.32
37.5-38.0	683.4	22.9	989.6	0.53	22.85
38.0-38.5	678.4	23.0	1012.6	0.53	23.38
38.5-39.0	673.3	23.1	1035.8	0.53	23.92
39.0-39.5	668.0	23.2	1058.9	0.54	24.45
39.5-40.0	664.0	23.3	1082.2	0.54	24.99
40.0-40.5	661.1	23.4	1105.6	0.54	25.53
40.5-41.0	659.4	23.6	1129.2	0.54	26.07
41.0-41.5	658.0	23.8	1153.0	0.55	26.62
41.5-42.0	657.1	24.0	1177.0	0.55	27.18
42.0-42.5	656.7	24.2	1201.2	0.56	27.74
42.5-43.0	657.3	24.5	1225.7	0.56	28.30
43.0-43.5	658.8	24.8	1250.4	0.57	28.87
43.5-44.0	661.0	25.1	1275.5	0.58	29.45
44.0-44.5	663.7	25.4	1300.9	0.59	30.04
44.5-45.0	666.0	25.7	1326.6	0.59	30.63
45.0-45.5	667.9	26.0	1352.6	0.60	31.23
45.5-46.0	668.8	26.3	1378.9	0.61	31.84
46.0-46.5	669.3	26.5	1405.4	0.61	32.45
46.5-47.0	669.1	26.7	1432.1	0.62	33.07
47.0-47.5	668.5	26.9	1459.0	0.62	33.69
47.5-48.0	667.6	27.1	1486.1	0.63	34.32
48.0-48.5	666.2	27.3	1513.4	0.63	34.94
48.5-49.0	663.8	27.4	1540.7	0.63	35.58
49.0-49.5	660.6	27.4	1568.2	0.63	36.21
49.5-50.0	657.3	27.5	1595.7	0.64	36.85
50.0-50.5	655.3	27.6	1623.3	0.64	37.48
50.5-51.0	654.2	27.8	1651.1	0.64	38.12
51.0-51.5	653.6	27.9	1679.0	0.65	38.77
51.5-52.0	653.4	28.1	1707.2	0.65	39.42
52.0-52.5	652.5	28.3	1735.5	0.65	40.07
52.5-53.0	650.6	28.4	1763.9	0.66	40.73
53.0-53.5	648.4	28.5	1792.3	0.66	41.39
53.5-54.0	646.4	28.6	1820.9	0.66	42.05

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: 8.800 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 [%]
54.0-54.5	644.4	28.7	1849.6	0.66	42.71
54.5-55.0	642.4	28.8	1878.4	0.66	43.37
55.0-55.5	641.1	28.9	1907.3	0.67	44.04
55.5-56.0	641.3	29.1	1936.3	0.67	44.71
56.0-56.5	642.3	29.3	1965.6	0.68	45.39
56.5-57.0	642.4	29.5	1995.1	0.68	46.07
57.0-57.5	640.9	29.6	2024.6	0.68	46.75
57.5-58.0	638.2	29.6	2054.2	0.68	47.43
58.0-58.5	633.9	29.6	2083.8	0.68	48.12
58.5-59.0	628.5	29.5	2113.2	0.68	48.80
59.0-59.5	623.7	29.4	2142.6	0.68	49.47
59.5-60.0	619.9	29.4	2172.0	0.68	50.15
60.0-60.5	616.7	29.4	2201.3	0.68	50.83
60.5-61.0	612.7	29.3	2230.6	0.68	51.51
61.0-61.5	608.2	29.2	2259.9	0.68	52.18
61.5-62.0	604.3	29.2	2289.1	0.67	52.86
62.0-62.5	600.9	29.2	2318.2	0.67	53.53
62.5-63.0	597.0	29.1	2347.3	0.67	54.20
63.0-63.5	592.0	29.0	2376.3	0.67	54.87
63.5-64.0	587.3	28.9	2405.2	0.67	55.54
64.0-64.5	583.1	28.8	2434.0	0.66	56.20
64.5-65.0	577.7	28.6	2462.6	0.66	56.86
65.0-65.5	570.1	28.4	2491.0	0.66	57.52
65.5-66.0	561.4	28.1	2519.1	0.65	58.17
66.0-66.5	554.3	27.8	2546.9	0.64	58.81
66.5-67.0	549.2	27.7	2574.6	0.64	59.45
67.0-67.5	545.7	27.6	2602.2	0.64	60.09
67.5-68.0	542.7	27.5	2629.7	0.64	60.72
68.0-68.5	539.1	27.5	2657.2	0.63	61.36
68.5-69.0	535.2	27.4	2684.5	0.63	61.99
69.0-69.5	530.0	27.2	2711.7	0.63	62.61
69.5-70.0	522.3	26.9	2738.6	0.62	63.24
70.0-70.5	513.1	26.5	2765.0	0.61	63.85
70.5-71.0	503.6	26.1	2791.1	0.60	64.45
71.0-71.5	495.5	25.7	2816.8	0.59	65.04
71.5-72.0	488.9	25.5	2842.3	0.59	65.63

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: 8.800 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 [%]
72.0-72.5	482.4	25.2	2867.5	0.58	66.21
72.5-73.0	474.2	24.8	2892.3	0.57	66.79
73.0-73.5	464.5	24.4	2916.7	0.56	67.35
73.5-74.0	455.4	24.0	2940.7	0.55	67.90
74.0-74.5	447.8	23.6	2964.3	0.55	68.45
74.5-75.0	440.5	23.3	2987.6	0.54	68.99
75.0-75.5	433.4	23.0	3010.6	0.53	69.52
75.5-76.0	426.0	22.6	3033.2	0.52	70.04
76.0-76.5	418.8	22.3	3055.5	0.51	70.55
76.5-77.0	412.5	22.0	3077.6	0.51	71.06
77.0-77.5	406.8	21.8	3099.3	0.50	71.57
77.5-78.0	403.1	21.6	3120.9	0.50	72.06
78.0-78.5	400.7	21.5	3142.4	0.50	72.56
78.5-79.0	400.3	21.5	3164.0	0.50	73.06
79.0-79.5	401.7	21.6	3185.6	0.50	73.56
79.5-80.0	402.5	21.7	3207.3	0.50	74.06
80.0-80.5	401.1	21.7	3229.0	0.50	74.56
80.5-81.0	396.3	21.4	3250.4	0.50	75.05
81.0-81.5	390.5	21.2	3271.6	0.49	75.54
81.5-82.0	384.5	20.9	3292.5	0.48	76.03
82.0-82.5	377.8	20.5	3313.0	0.47	76.50
82.5-83.0	370.9	20.2	3333.2	0.47	76.96
83.0-83.5	363.1	19.8	3352.9	0.46	77.42
83.5-84.0	354.8	19.3	3372.3	0.45	77.87
84.0-84.5	347.4	19.0	3391.2	0.44	78.31
84.5-85.0	342.4	18.7	3409.9	0.43	78.74
85.0-85.5	339.5	18.6	3428.5	0.43	79.17
85.5-86.0	337.3	18.4	3446.9	0.43	79.59
86.0-86.5	333.1	18.2	3465.1	0.42	80.01
86.5-87.0	326.4	17.9	3483.0	0.41	80.43
87.0-87.5	319.6	17.5	3500.5	0.40	80.83
87.5-88.0	314.4	17.2	3517.7	0.40	81.23
88.0-88.5	310.5	17.0	3534.8	0.39	81.62
88.5-89.0	306.6	16.8	3551.6	0.39	82.01
89.0-89.5	301.3	16.5	3568.1	0.38	82.39
89.5-90.0	294.1	16.1	3584.2	0.37	82.76

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

Gamma Plane (°):0.0-180.0:0.5
 Test Device: GPM-1600
 Distance: 8.800 m
 Humidity:
 Inspector:

Zonal Lumen (Continue 5)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
90.0-90.5	285.3	15.6	3599.8	0.36	83.12
90.5-91.0	277.2	15.2	3615.0	0.35	83.47
91.0-91.5	271.0	14.9	3629.9	0.34	83.82
91.5-92.0	265.6	14.6	3644.5	0.34	84.15
92.0-92.5	260.2	14.3	3658.7	0.33	84.48
92.5-93.0	253.9	13.9	3672.6	0.32	84.80
93.0-93.5	246.6	13.5	3686.1	0.31	85.11
93.5-94.0	239.0	13.1	3699.2	0.30	85.42
94.0-94.5	231.9	12.7	3711.9	0.29	85.71
94.5-95.0	225.7	12.3	3724.2	0.28	85.99
95.0-95.5	220.2	12.0	3736.2	0.28	86.27
95.5-96.0	215.1	11.7	3748.0	0.27	86.54
96.0-96.5	209.6	11.4	3759.4	0.26	86.81
96.5-97.0	203.3	11.1	3770.5	0.26	87.06
97.0-97.5	197.4	10.7	3781.2	0.25	87.31
97.5-98.0	192.1	10.4	3791.6	0.24	87.55
98.0-98.5	187.5	10.2	3801.8	0.23	87.79
98.5-99.0	183.3	9.9	3811.7	0.23	88.02
99.0-99.5	179.2	9.7	3821.4	0.22	88.24
99.5-100.0	175.1	9.5	3830.9	0.22	88.46
100.0-100.5	170.2	9.2	3840.1	0.21	88.67
100.5-101.0	165.6	8.9	3849.0	0.21	88.88
101.0-101.5	161.6	8.7	3857.7	0.20	89.08
101.5-102.0	157.9	8.5	3866.2	0.20	89.27
102.0-102.5	154.6	8.3	3874.5	0.19	89.46
102.5-103.0	151.0	8.1	3882.5	0.19	89.65
103.0-103.5	147.8	7.9	3890.4	0.18	89.83
103.5-104.0	145.3	7.7	3898.2	0.18	90.01
104.0-104.5	142.7	7.6	3905.7	0.18	90.19
104.5-105.0	140.8	7.5	3913.2	0.17	90.36
105.0-105.5	139.0	7.4	3920.6	0.17	90.53
105.5-106.0	137.3	7.2	3927.8	0.17	90.70
106.0-106.5	135.2	7.1	3934.9	0.16	90.86
106.5-107.0	132.9	7.0	3941.9	0.16	91.02
107.0-107.5	130.8	6.8	3948.8	0.16	91.18
107.5-108.0	129.2	6.7	3955.5	0.16	91.34

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: 8.800 m
 Humidity:
 Inspector:

Zonal Lumen (Continue 6)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-108.5	128.1	6.7	3962.2	0.15	91.49
108.5-109.0	127.5	6.6	3968.8	0.15	91.64
109.0-109.5	126.7	6.6	3975.3	0.15	91.79
109.5-110.0	125.5	6.5	3981.8	0.15	91.94
110.0-110.5	124.5	6.4	3988.2	0.15	92.09
110.5-111.0	123.5	6.3	3994.6	0.15	92.24
111.0-111.5	122.7	6.3	4000.8	0.14	92.38
111.5-112.0	121.9	6.2	4007.0	0.14	92.53
112.0-112.5	121.2	6.2	4013.2	0.14	92.67
112.5-113.0	120.4	6.1	4019.3	0.14	92.81
113.0-113.5	119.4	6.0	4025.3	0.14	92.95
113.5-114.0	118.6	6.0	4031.2	0.14	93.08
114.0-114.5	117.9	5.9	4037.1	0.14	93.22
114.5-115.0	117.4	5.8	4043.0	0.13	93.36
115.0-115.5	117.1	5.8	4048.8	0.13	93.49
115.5-116.0	116.6	5.8	4054.5	0.13	93.62
116.0-116.5	116.3	5.7	4060.3	0.13	93.75
116.5-117.0	115.7	5.7	4065.9	0.13	93.89
117.0-117.5	115.3	5.6	4071.6	0.13	94.01
117.5-118.0	114.9	5.6	4077.1	0.13	94.14
118.0-118.5	114.4	5.5	4082.7	0.13	94.27
118.5-119.0	114.0	5.5	4088.1	0.13	94.40
119.0-119.5	113.8	5.4	4093.6	0.13	94.52
119.5-120.0	113.5	5.4	4099.0	0.12	94.65
120.0-120.5	113.4	5.4	4104.4	0.12	94.77
120.5-121.0	113.2	5.3	4109.7	0.12	94.90
121.0-121.5	112.7	5.3	4115.0	0.12	95.02
121.5-122.0	112.0	5.2	4120.2	0.12	95.14
122.0-122.5	111.1	5.2	4125.3	0.12	95.26
122.5-123.0	110.4	5.1	4130.4	0.12	95.37
123.0-123.5	109.6	5.0	4135.5	0.12	95.49
123.5-124.0	108.9	5.0	4140.4	0.11	95.61
124.0-124.5	108.2	4.9	4145.3	0.11	95.72
124.5-125.0	107.7	4.9	4150.2	0.11	95.83
125.0-125.5	107.4	4.8	4155.0	0.11	95.94
125.5-126.0	106.9	4.8	4159.7	0.11	96.05

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: 8.800 m
 Humidity:
 Inspector:

Zonal Lumen (Continue 7)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
126.0-126.5	106.3	4.7	4164.4	0.11	96.16
126.5-127.0	105.7	4.6	4169.1	0.11	96.27
127.0-127.5	105.1	4.6	4173.7	0.11	96.37
127.5-128.0	104.4	4.5	4178.2	0.10	96.48
128.0-128.5	103.6	4.5	4182.7	0.10	96.58
128.5-129.0	102.8	4.4	4187.1	0.10	96.68
129.0-129.5	102.0	4.3	4191.4	0.10	96.78
129.5-130.0	101.3	4.3	4195.7	0.10	96.88
130.0-130.5	100.7	4.2	4199.9	0.10	96.98
130.5-131.0	100.1	4.2	4204.0	0.10	97.07
131.0-131.5	99.6	4.1	4208.1	0.09	97.17
131.5-132.0	99.2	4.1	4212.2	0.09	97.26
132.0-132.5	98.8	4.0	4216.2	0.09	97.35
132.5-133.0	98.4	4.0	4220.2	0.09	97.45
133.0-133.5	97.8	3.9	4224.1	0.09	97.54
133.5-134.0	96.8	3.8	4227.9	0.09	97.63
134.0-134.5	95.7	3.8	4231.7	0.09	97.71
134.5-135.0	94.5	3.7	4235.3	0.08	97.80
135.0-135.5	93.2	3.6	4238.9	0.08	97.88
135.5-136.0	91.9	3.5	4242.5	0.08	97.96
136.0-136.5	90.6	3.4	4245.9	0.08	98.04
136.5-137.0	89.3	3.4	4249.2	0.08	98.12
137.0-137.5	88.2	3.3	4252.5	0.08	98.19
137.5-138.0	87.1	3.2	4255.7	0.07	98.27
138.0-138.5	86.0	3.1	4258.9	0.07	98.34
138.5-139.0	85.0	3.1	4261.9	0.07	98.41
139.0-139.5	83.8	3.0	4264.9	0.07	98.48
139.5-140.0	82.6	2.9	4267.9	0.07	98.55
140.0-140.5	81.2	2.8	4270.7	0.07	98.61
140.5-141.0	79.8	2.8	4273.5	0.06	98.68
141.0-141.5	78.5	2.7	4276.2	0.06	98.74
141.5-142.0	77.2	2.6	4278.8	0.06	98.80
142.0-142.5	76.1	2.6	4281.4	0.06	98.86
142.5-143.0	74.8	2.5	4283.8	0.06	98.92
143.0-143.5	73.5	2.4	4286.3	0.06	98.97
143.5-144.0	72.4	2.3	4288.6	0.05	99.03

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: 8.800 m
 Humidity:
 Inspector:

Zonal Lumen (Continue 8)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-144.5	71.0	2.3	4290.9	0.05	99.08
144.5-145.0	69.6	2.2	4293.1	0.05	99.13
145.0-145.5	67.9	2.1	4295.2	0.05	99.18
145.5-146.0	66.2	2.0	4297.2	0.05	99.23
146.0-146.5	64.6	2.0	4299.2	0.05	99.27
146.5-147.0	62.9	1.9	4301.1	0.04	99.32
147.0-147.5	61.2	1.8	4302.9	0.04	99.36
147.5-148.0	59.4	1.7	4304.7	0.04	99.40
148.0-148.5	57.6	1.7	4306.3	0.04	99.44
148.5-149.0	56.0	1.6	4307.9	0.04	99.47
149.0-149.5	54.6	1.5	4309.4	0.04	99.51
149.5-150.0	53.1	1.5	4310.9	0.03	99.54
150.0-150.5	51.6	1.4	4312.3	0.03	99.57
150.5-151.0	50.2	1.3	4313.7	0.03	99.61
151.0-151.5	48.6	1.3	4314.9	0.03	99.63
151.5-152.0	47.0	1.2	4316.2	0.03	99.66
152.0-152.5	45.3	1.2	4317.3	0.03	99.69
152.5-153.0	43.6	1.1	4318.4	0.03	99.71
153.0-153.5	41.8	1.0	4319.4	0.02	99.74
153.5-154.0	39.9	1.0	4320.4	0.02	99.76
154.0-154.5	38.1	0.9	4321.3	0.02	99.78
154.5-155.0	36.4	0.9	4322.2	0.02	99.80
155.0-155.5	34.7	0.8	4323.0	0.02	99.82
155.5-156.0	33.1	0.7	4323.7	0.02	99.84
156.0-156.5	31.4	0.7	4324.4	0.02	99.85
156.5-157.0	29.6	0.6	4325.0	0.01	99.87
157.0-157.5	28.0	0.6	4325.6	0.01	99.88
157.5-158.0	26.5	0.6	4326.2	0.01	99.89
158.0-158.5	24.9	0.5	4326.7	0.01	99.91
158.5-159.0	23.2	0.5	4327.2	0.01	99.92
159.0-159.5	21.4	0.4	4327.6	0.01	99.93
159.5-160.0	19.4	0.4	4327.9	0.01	99.94
160.0-160.5	17.7	0.3	4328.3	0.01	99.94
160.5-161.0	16.0	0.3	4328.6	0.01	99.95
161.0-161.5	14.5	0.3	4328.8	0.01	99.96
161.5-162.0	13.0	0.2	4329.0	0.01	99.96

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: 8.800 m
 Humidity:
 Inspector:

Zonal Lumen (Continue 9)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
162.0-162.5	11.6	0.2	4329.2	0.00	99.96
162.5-163.0	10.3	0.2	4329.4	0.00	99.97
163.0-163.5	9.4	0.1	4329.5	0.00	99.97
163.5-164.0	8.9	0.1	4329.7	0.00	99.98
164.0-164.5	8.3	0.1	4329.8	0.00	99.98
164.5-165.0	7.8	0.1	4329.9	0.00	99.98
165.0-165.5	7.4	0.1	4330.0	0.00	99.98
165.5-166.0	6.8	0.1	4330.1	0.00	99.99
166.0-166.5	6.0	0.1	4330.2	0.00	99.99
166.5-167.0	5.2	0.1	4330.3	0.00	99.99
167.0-167.5	4.6	0.1	4330.3	0.00	99.99
167.5-168.0	4.0	0.0	4330.4	0.00	99.99
168.0-168.5	3.6	0.0	4330.4	0.00	99.99
168.5-169.0	3.1	0.0	4330.4	0.00	99.99
169.0-169.5	3.0	0.0	4330.5	0.00	99.99
169.5-170.0	3.0	0.0	4330.5	0.00	99.99
170.0-170.5	3.0	0.0	4330.5	0.00	99.99
170.5-171.0	3.0	0.0	4330.5	0.00	100.00
171.0-171.5	2.8	0.0	4330.6	0.00	100.00
171.5-172.0	2.6	0.0	4330.6	0.00	100.00
172.0-172.5	2.6	0.0	4330.6	0.00	100.00
172.5-173.0	2.6	0.0	4330.6	0.00	100.00
173.0-173.5	2.6	0.0	4330.6	0.00	100.00
173.5-174.0	2.6	0.0	4330.7	0.00	100.00
174.0-174.5	2.6	0.0	4330.7	0.00	100.00
174.5-175.0	2.8	0.0	4330.7	0.00	100.00
175.0-175.5	3.0	0.0	4330.7	0.00	100.00
175.5-176.0	2.7	0.0	4330.7	0.00	100.00
176.0-176.5	2.4	0.0	4330.7	0.00	100.00
176.5-177.0	2.4	0.0	4330.7	0.00	100.00
177.0-177.5	2.4	0.0	4330.7	0.00	100.00
177.5-178.0	2.6	0.0	4330.7	0.00	100.00
178.0-178.5	2.7	0.0	4330.7	0.00	100.00
178.5-179.0	2.7	0.0	4330.7	0.00	100.00
179.0-179.5	2.7	0.0	4330.7	0.00	100.00
179.5-180.0	2.8	0.0	4330.7	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: 8.800 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	872.9	916.0	930.1	914.5	872.9	916.0	930.1	914.5	872.9	
G0.5	900.8	935.8	932.4	899.5	847.8	897.1	930.7	931.6	900.8	
G1.0	925.6	950.0	933.1	881.5	827.0	881.0	935.4	946.6	925.6	
G1.5	949.8	967.6	936.3	862.1	812.0	865.1	935.0	959.5	949.8	
G2.0	968.9	982.4	937.0	842.2	801.0	847.7	935.6	968.3	968.9	
G2.5	980.0	988.2	935.3	823.7	781.0	830.2	931.2	976.2	980.0	
G3.0	984.4	989.7	932.8	810.7	767.4	819.0	930.6	981.8	984.4	
G3.5	989.3	989.4	924.8	801.1	754.5	810.9	931.5	981.9	989.3	
G4.0	1003.0	993.6	919.1	790.5	735.3	801.5	931.5	991.3	1003.0	
G4.5	1012.8	1002.4	911.2	777.0	710.5	788.7	930.2	997.1	1012.8	
G5.0	1023.7	1005.8	906.8	762.8	682.8	774.9	926.2	1006.5	1023.7	
G5.5	1028.7	1010.0	906.3	749.9	665.3	764.5	927.7	1011.4	1028.7	
G6.0	1040.0	1009.6	902.4	738.6	643.4	752.2	923.6	1017.0	1040.0	
G6.5	1050.7	1011.0	901.9	720.9	618.1	740.7	923.6	1022.8	1050.7	
G7.0	1061.3	1015.7	900.8	700.8	596.0	726.5	917.4	1028.7	1061.3	
G7.5	1069.4	1023.0	894.0	680.8	584.3	706.2	911.0	1040.4	1069.4	
G8.0	1082.5	1029.6	888.4	660.6	575.1	688.3	902.5	1045.8	1082.5	
G8.5	1098.6	1038.7	879.9	647.8	553.0	673.3	892.6	1056.1	1098.6	
G9.0	1118.1	1042.9	870.7	633.1	526.8	661.5	889.1	1060.1	1118.1	
G9.5	1132.0	1050.0	866.0	615.9	504.0	642.7	883.7	1064.6	1132.0	
G10.0	1144.3	1054.1	856.6	595.7	484.8	622.3	879.0	1072.3	1144.3	
G10.5	1158.6	1062.6	849.2	578.0	473.3	600.2	866.8	1082.9	1158.6	
G11.0	1164.3	1068.1	842.5	564.9	455.9	588.1	860.3	1095.9	1164.3	
G11.5	1159.8	1069.3	835.9	557.4	437.4	580.7	862.3	1101.5	1159.8	
G12.0	1153.6	1076.5	834.5	545.9	419.9	569.9	863.7	1108.2	1153.6	
G12.5	1154.4	1079.9	827.0	532.0	406.9	556.0	863.1	1104.3	1154.4	
G13.0	1153.5	1082.3	818.6	511.1	395.2	536.0	852.9	1106.2	1153.5	
G13.5	1156.8	1082.1	811.7	491.7	385.0	515.2	847.2	1110.8	1156.8	
G14.0	1170.2	1085.6	806.1	477.8	375.7	497.7	841.7	1110.1	1170.2	
G14.5	1190.8	1088.9	803.7	462.7	368.0	483.8	835.9	1106.4	1190.8	
G15.0	1212.7	1082.2	796.7	451.9	360.0	475.5	830.4	1098.4	1212.7	
G15.5	1235.6	1069.6	788.2	438.4	353.5	462.8	826.8	1088.6	1235.6	
G16.0	1255.8	1061.7	779.9	426.3	345.8	448.8	824.3	1081.9	1255.8	
G16.5	1278.9	1052.8	778.7	409.6	338.2	433.5	822.3	1079.1	1278.9	
G17.0	1289.9	1053.2	778.7	397.3	331.8	420.8	820.4	1081.0	1289.9	
G17.5	1302.5	1048.8	775.1	387.2	325.9	409.6	816.6	1081.3	1302.5	
G18.0	1302.2	1046.6	770.4	377.4	318.7	398.3	813.2	1089.6	1302.2	

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: 8.800 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	1289.2	1045.1	763.8	367.4	309.9	388.6	808.9	1098.9	1289.2	
G19.0	1277.4	1046.0	763.9	357.2	302.7	376.4	804.8	1109.4	1277.4	
G19.5	1266.7	1047.7	759.3	349.4	295.4	368.2	799.2	1124.0	1266.7	
G20.0	1270.7	1051.0	749.8	342.9	289.5	359.9	793.1	1135.9	1270.7	
G20.5	1269.5	1061.5	742.9	335.4	283.3	351.2	788.5	1148.4	1269.5	
G21.0	1266.4	1071.2	739.0	328.9	278.6	345.3	787.8	1155.4	1266.4	
G21.5	1279.6	1084.2	741.4	323.7	273.5	338.5	785.0	1166.8	1279.6	
G22.0	1293.9	1097.8	740.0	317.0	267.6	333.6	777.2	1178.3	1293.9	
G22.5	1317.1	1109.2	734.0	312.4	262.2	328.4	768.5	1181.8	1317.1	
G23.0	1333.5	1122.2	729.2	306.3	256.3	323.3	764.0	1174.6	1333.5	
G23.5	1353.9	1131.5	724.6	301.0	250.7	318.1	758.7	1169.7	1353.9	
G24.0	1368.6	1140.8	724.1	295.4	244.5	312.5	756.0	1166.1	1368.6	
G24.5	1379.3	1136.6	720.9	291.9	238.8	308.9	753.9	1162.9	1379.3	
G25.0	1391.7	1130.3	717.3	286.2	233.6	304.1	753.6	1162.8	1391.7	
G25.5	1395.3	1127.6	709.8	281.4	227.6	301.2	750.9	1160.5	1395.3	
G26.0	1389.1	1119.5	703.3	275.8	222.5	297.1	746.6	1154.0	1389.1	
G26.5	1372.1	1115.0	700.7	270.1	216.8	290.9	739.3	1148.4	1372.1	
G27.0	1362.8	1106.0	699.6	265.2	211.7	286.7	736.3	1143.5	1362.8	
G27.5	1352.4	1101.2	700.1	261.4	207.3	279.0	732.9	1144.7	1352.4	
G28.0	1345.2	1094.7	692.8	258.1	202.2	275.8	729.6	1146.7	1345.2	
G28.5	1343.5	1087.8	687.0	253.1	197.3	271.3	724.8	1150.9	1343.5	
G29.0	1345.0	1079.2	679.3	250.8	193.0	267.4	719.3	1152.4	1345.0	
G29.5	1353.0	1074.3	674.7	245.5	189.4	263.0	714.7	1147.3	1353.0	
G30.0	1358.8	1072.2	668.8	243.2	185.5	258.2	707.2	1146.6	1358.8	
G30.5	1364.8	1072.1	666.3	239.4	181.4	256.2	703.2	1145.3	1364.8	
G31.0	1376.2	1077.7	665.4	235.9	177.3	250.4	696.7	1153.1	1376.2	
G31.5	1384.8	1083.4	662.9	232.5	173.9	247.6	694.9	1168.5	1384.8	
G32.0	1390.9	1095.9	659.6	229.0	169.4	242.3	692.5	1187.3	1390.9	
G32.5	1392.6	1108.1	652.8	225.8	165.7	238.2	688.3	1201.3	1392.6	
G33.0	1397.7	1124.4	647.5	221.4	162.6	233.3	685.9	1202.6	1397.7	
G33.5	1400.3	1135.5	645.0	216.3	159.6	228.3	679.4	1198.2	1400.3	
G34.0	1404.7	1141.1	644.8	211.1	156.3	224.0	671.6	1197.6	1404.7	
G34.5	1401.4	1147.4	644.6	206.4	153.6	219.4	666.1	1193.3	1401.4	
G35.0	1394.6	1147.6	645.8	202.4	150.4	214.5	663.2	1193.0	1394.6	
G35.5	1392.1	1153.7	644.2	198.0	148.0	210.1	659.0	1191.1	1392.1	
G36.0	1394.0	1157.6	638.6	194.8	145.0	206.4	653.3	1185.4	1394.0	
G36.5	1397.1	1158.0	630.7	191.0	142.1	202.8	649.4	1176.4	1397.1	

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: 8.800 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	1397.0	1147.5	623.6	188.0	139.5	200.4	645.9	1169.7	1397.0	
G37.5	1404.3	1141.5	620.8	184.3	136.4	196.8	642.9	1163.4	1404.3	
G38.0	1397.4	1133.9	612.9	180.6	134.1	193.6	639.9	1152.1	1397.4	
G38.5	1388.6	1134.2	605.6	178.1	131.3	189.8	635.5	1146.6	1388.6	
G39.0	1379.2	1130.5	598.7	174.9	129.1	187.5	630.1	1133.4	1379.2	
G39.5	1380.7	1119.3	591.2	173.9	126.1	184.4	622.0	1127.6	1380.7	
G40.0	1388.0	1111.9	585.3	170.3	123.5	182.6	616.3	1120.1	1388.0	
G40.5	1402.4	1106.3	578.3	168.9	120.9	178.6	609.3	1115.0	1402.4	
G41.0	1427.1	1097.7	570.2	165.8	118.8	176.4	602.7	1111.7	1427.1	
G41.5	1449.2	1086.4	560.0	163.3	116.9	173.3	597.5	1111.6	1449.2	
G42.0	1469.7	1083.2	554.5	159.7	114.5	170.4	591.6	1112.1	1469.7	
G42.5	1485.6	1081.5	550.2	158.2	112.7	166.6	584.9	1112.5	1485.6	
G43.0	1503.2	1083.4	543.7	156.1	110.6	164.4	578.7	1125.1	1503.2	
G43.5	1513.8	1093.2	538.3	153.9	108.8	162.5	573.3	1132.6	1513.8	
G44.0	1533.2	1099.4	533.3	151.7	107.1	159.5	569.7	1146.6	1533.2	
G44.5	1540.5	1108.7	529.5	149.6	105.1	157.6	567.3	1159.8	1540.5	
G45.0	1553.4	1118.2	524.6	147.1	103.2	154.5	561.1	1176.1	1553.4	
G45.5	1559.2	1131.0	518.9	144.5	101.0	152.4	553.9	1186.7	1559.2	
G46.0	1570.7	1139.5	511.6	142.8	99.0	149.5	546.5	1193.9	1570.7	
G46.5	1576.1	1148.9	506.8	140.2	96.5	147.5	540.0	1199.9	1576.1	
G47.0	1581.7	1158.4	499.3	138.1	94.8	144.2	532.3	1201.3	1581.7	
G47.5	1588.6	1166.8	495.3	135.2	92.4	141.5	527.1	1199.2	1588.6	
G48.0	1601.6	1174.1	486.8	133.0	90.9	139.3	518.3	1190.8	1601.6	
G48.5	1605.6	1185.7	478.8	130.2	89.2	136.4	511.4	1186.4	1605.6	
G49.0	1604.7	1190.8	468.4	128.1	87.6	133.7	505.7	1178.1	1604.7	
G49.5	1604.8	1191.8	461.3	124.6	86.0	131.1	498.5	1174.1	1604.8	
G50.0	1600.5	1187.8	455.7	122.0	84.2	127.7	492.9	1174.5	1600.5	
G50.5	1615.3	1184.1	452.4	118.9	81.9	124.7	487.0	1174.8	1615.3	
G51.0	1625.3	1179.1	446.5	116.7	80.2	122.1	480.8	1176.8	1625.3	
G51.5	1646.3	1178.0	439.0	112.3	78.5	119.2	475.2	1181.7	1646.3	
G52.0	1659.3	1176.8	430.3	109.7	76.8	116.1	467.8	1186.9	1659.3	
G52.5	1667.7	1175.7	423.8	106.8	75.4	112.9	460.1	1193.3	1667.7	
G53.0	1668.2	1172.4	417.9	105.3	74.2	110.0	451.5	1194.1	1668.2	
G53.5	1669.4	1176.3	409.8	102.4	72.7	106.9	440.8	1202.7	1669.4	
G54.0	1668.0	1175.6	402.1	99.7	70.4	104.2	433.5	1208.5	1668.0	
G54.5	1661.9	1180.7	393.5	95.4	67.7	101.0	425.5	1223.0	1661.9	
G55.0	1651.5	1182.4	384.6	92.9	66.1	98.3	418.9	1234.7	1651.5	

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: 8.800 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	1660.5	1185.4	376.2	89.7	64.4	95.1	410.9	1245.9	1660.5	
G56.0	1679.8	1186.3	370.2	88.4	63.4	92.6	405.2	1247.6	1679.8	
G56.5	1703.1	1196.6	365.4	85.5	62.3	89.7	398.8	1242.0	1703.1	
G57.0	1714.9	1201.4	359.6	82.8	60.7	85.4	393.2	1236.8	1714.9	
G57.5	1729.0	1210.0	351.1	79.9	56.3	82.8	387.1	1222.4	1729.0	
G58.0	1735.9	1204.8	342.7	77.6	53.5	79.9	378.6	1219.7	1735.9	
G58.5	1737.3	1196.2	333.9	74.6	49.1	77.2	369.7	1211.9	1737.3	
G59.0	1729.3	1189.4	326.3	72.6	45.7	74.7	359.0	1208.7	1729.3	
G59.5	1732.2	1186.1	318.5	68.3	40.8	71.9	351.0	1204.7	1732.2	
G60.0	1725.1	1188.9	311.9	65.6	37.8	70.2	345.2	1200.6	1725.1	
G60.5	1719.4	1192.7	305.3	62.6	32.4	67.9	339.4	1201.4	1719.4	
G61.0	1706.3	1194.2	296.9	60.4	28.9	65.2	329.6	1201.1	1706.3	
G61.5	1696.3	1195.0	288.4	57.7	23.7	62.4	320.8	1204.1	1696.3	
G62.0	1678.8	1203.3	280.3	55.6	19.3	58.5	313.4	1210.7	1678.8	
G62.5	1664.2	1209.2	273.8	53.3	11.6	56.0	307.5	1218.6	1664.2	
G63.0	1641.9	1211.8	266.9	50.6	4.8	53.4	299.8	1228.7	1641.9	
G63.5	1628.8	1204.3	258.4	47.9	0.2	51.0	290.9	1233.0	1628.8	
G64.0	1619.7	1203.0	250.2	45.3	0.2	48.3	281.0	1234.1	1619.7	
G64.5	1617.8	1198.2	244.1	43.1	0.2	45.8	274.5	1224.3	1617.8	
G65.0	1621.2	1192.1	236.4	40.7	0.3	43.3	267.1	1194.0	1621.2	
G65.5	1630.7	1172.2	229.6	36.2	0.3	39.9	259.9	1157.6	1630.7	
G66.0	1632.1	1155.8	221.8	32.9	0.4	35.5	253.1	1125.2	1632.1	
G66.5	1638.7	1137.3	215.3	28.6	0.4	31.8	245.3	1114.2	1638.7	
G67.0	1640.6	1130.2	208.5	25.2	0.4	27.9	237.7	1105.6	1640.6	
G67.5	1645.9	1125.8	201.4	21.4	0.4	23.6	230.1	1105.8	1645.9	
G68.0	1643.2	1122.3	194.8	17.6	0.3	19.8	222.7	1108.3	1643.2	
G68.5	1635.9	1114.7	187.1	13.7	0.6	15.8	215.6	1112.7	1635.9	
G69.0	1629.5	1110.7	180.6	10.4	0.6	11.9	207.8	1116.2	1629.5	
G69.5	1613.6	1099.7	173.9	6.2	0.4	8.2	200.8	1109.8	1613.6	
G70.0	1592.1	1085.9	167.1	2.6	0.6	4.4	192.0	1099.0	1592.1	
G70.5	1549.4	1076.7	159.5	2.7	0.7	3.8	185.3	1087.8	1549.4	
G71.0	1510.9	1071.6	154.1	2.7	0.6	3.7	178.4	1069.9	1510.9	
G71.5	1482.5	1071.2	148.4	2.5	0.8	3.7	170.5	1056.8	1482.5	
G72.0	1469.4	1065.8	143.5	2.7	0.9	3.9	163.4	1036.9	1469.4	
G72.5	1464.4	1047.8	138.2	2.8	0.8	5.6	157.1	1015.4	1464.4	
G73.0	1453.7	1016.4	135.0	2.6	0.9	5.6	150.7	990.7	1453.7	
G73.5	1438.4	986.2	130.1	2.9	1.0	5.6	145.3	967.6	1438.4	

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: 8.800 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	1423.9	956.1	126.6	3.0	0.8	5.7	140.7	953.1	1423.9	
G74.5	1411.3	935.5	123.0	3.3	1.1	5.9	135.5	938.7	1411.3	
G75.0	1399.1	911.9	119.4	3.4	1.1	6.0	131.3	921.3	1399.1	
G75.5	1386.6	890.7	115.9	3.5	1.0	6.1	126.8	910.2	1386.6	
G76.0	1365.8	869.3	112.8	3.7	1.2	6.3	122.0	894.2	1365.8	
G76.5	1349.9	853.2	110.0	3.9	1.3	6.4	120.1	879.9	1349.9	
G77.0	1328.5	841.6	107.4	4.0	1.4	6.7	116.6	868.5	1328.5	
G77.5	1311.2	830.7	104.6	4.2	2.9	5.2	112.3	863.2	1311.2	
G78.0	1306.0	825.7	102.4	4.3	3.1	5.3	108.9	860.2	1306.0	
G78.5	1302.6	822.0	99.7	4.4	3.2	5.4	105.6	853.2	1302.6	
G79.0	1315.5	825.7	97.5	4.5	1.5	7.1	102.6	853.6	1315.5	
G79.5	1331.8	831.3	95.2	4.6	1.5	7.2	99.3	848.3	1331.8	
G80.0	1347.6	832.4	92.8	4.7	1.5	7.3	96.4	837.8	1347.6	
G80.5	1345.8	828.2	90.7	4.8	3.3	7.2	93.6	822.8	1345.8	
G81.0	1335.8	809.5	88.6	4.8	3.3	5.9	90.3	806.1	1335.8	
G81.5	1327.9	792.3	87.0	4.9	3.4	5.9	87.5	795.2	1327.9	
G82.0	1306.5	772.9	84.7	4.9	3.1	5.9	84.7	785.2	1306.5	
G82.5	1279.5	761.0	83.0	4.8	3.5	7.8	82.4	774.9	1279.5	
G83.0	1246.9	756.0	80.8	5.0	3.4	7.5	80.2	758.2	1246.9	
G83.5	1214.7	745.3	79.0	5.0	3.4	7.6	78.2	739.0	1214.7	
G84.0	1189.6	730.1	77.2	4.9	2.0	6.1	76.0	718.8	1189.6	
G84.5	1175.6	709.4	75.4	5.1	1.8	6.1	74.2	706.4	1175.6	
G85.0	1176.1	692.8	74.0	5.2	2.1	6.1	72.0	695.3	1176.1	
G85.5	1184.1	678.5	72.6	5.0	3.6	6.1	70.1	688.8	1184.1	
G86.0	1182.8	665.4	70.7	5.2	3.8	6.1	68.9	685.5	1182.8	
G86.5	1155.4	648.7	69.5	5.3	3.9	6.1	67.4	684.9	1155.4	
G87.0	1119.6	632.2	68.3	5.0	4.4	5.9	66.2	680.0	1119.6	
G87.5	1092.8	623.3	66.9	5.3	4.0	6.0	65.2	668.9	1092.8	
G88.0	1076.4	620.9	66.4	5.3	4.2	6.0	63.7	654.8	1076.4	
G88.5	1068.4	624.5	65.2	5.3	3.7	5.8	64.4	632.2	1068.4	
G89.0	1062.1	617.0	64.9	5.3	4.0	7.6	63.1	611.5	1062.1	
G89.5	1046.8	599.3	64.1	5.3	4.1	7.4	63.3	595.3	1046.8	
G90.0	1014.5	580.0	63.9	5.3	4.0	7.3	62.8	582.1	1014.5	
G90.5	982.0	556.8	63.5	5.4	2.7	5.9	62.9	565.6	982.0	
G91.0	961.3	538.1	63.5	5.3	2.7	5.9	62.8	550.7	961.3	
G91.5	946.5	518.5	63.2	5.3	2.5	5.9	62.6	541.5	946.5	
G92.0	935.9	500.3	62.8	5.3	2.8	7.3	62.8	526.9	935.9	

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

Gamma Plane (°):0.0-180.0:0.5
 Test Device: GPM-1600
 Distance: 8.800 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	918.4	488.5	62.6	5.3	2.8	7.3	62.5	511.6	918.4	
G93.0	888.6	476.8	62.7	5.3	2.8	7.2	62.8	497.1	888.6	
G93.5	855.3	465.4	62.5	5.3	2.9	5.6	62.6	483.1	855.3	
G94.0	822.0	452.8	62.4	5.3	3.0	5.6	62.5	468.0	822.0	
G94.5	793.6	442.3	62.2	5.3	3.1	5.5	62.9	454.1	793.6	
G95.0	766.0	433.5	61.9	5.0	3.2	6.9	63.3	443.2	766.0	
G95.5	741.0	422.7	61.8	5.2	3.2	6.9	63.2	436.4	741.0	
G96.0	719.7	411.8	61.7	5.1	3.3	7.3	63.4	429.2	719.7	
G96.5	693.8	397.9	61.8	4.9	4.8	6.7	63.5	419.0	693.8	
G97.0	668.9	384.2	61.5	5.1	4.8	5.2	63.6	407.7	668.9	
G97.5	649.2	373.1	61.4	5.1	5.0	5.2	63.9	394.8	649.2	
G98.0	628.5	362.6	61.0	4.9	3.4	5.0	63.7	386.4	628.5	
G98.5	609.8	356.0	61.0	5.0	3.5	6.6	63.8	378.6	609.8	
G99.0	592.2	347.9	60.6	5.0	3.6	6.6	63.7	368.7	592.2	
G99.5	576.4	341.5	60.5	5.0	4.8	6.5	63.7	360.8	576.4	
G100.0	553.2	336.0	60.6	5.0	5.2	6.6	63.6	352.0	553.2	
G100.5	528.9	331.0	60.4	5.0	5.2	6.5	63.4	340.6	528.9	
G101.0	510.7	326.6	58.7	4.9	5.4	6.5	63.1	332.1	510.7	
G101.5	491.2	321.9	58.5	5.0	3.8	5.0	62.8	329.1	491.2	
G102.0	476.5	316.4	57.9	4.9	3.8	4.8	62.5	322.9	476.5	
G102.5	462.8	309.3	59.0	4.9	3.7	4.7	62.6	316.7	462.8	
G103.0	447.0	300.8	58.6	5.0	4.0	4.5	62.0	310.4	447.0	
G103.5	436.1	295.5	58.3	4.9	4.0	6.3	61.7	305.5	436.1	
G104.0	426.2	290.2	56.4	4.9	3.9	6.2	61.3	302.6	426.2	
G104.5	420.1	283.0	56.1	4.9	4.1	6.0	60.7	297.3	420.1	
G105.0	414.8	279.8	55.8	4.9	4.2	6.1	61.0	293.2	414.8	
G105.5	410.2	276.1	55.4	4.8	4.0	6.1	60.5	287.5	410.2	
G106.0	405.5	275.5	55.0	4.7	4.2	6.1	58.9	282.0	405.5	
G106.5	398.3	271.3	54.6	4.8	4.3	4.5	58.5	275.7	398.3	
G107.0	389.4	266.5	54.1	4.8	4.3	4.4	58.1	272.6	389.4	
G107.5	382.0	260.8	53.7	4.6	4.4	4.5	57.8	270.5	382.0	
G108.0	378.0	256.6	53.4	4.7	4.4	4.4	57.3	269.4	378.0	
G108.5	379.9	252.6	52.8	4.7	4.5	4.4	57.0	265.3	379.9	
G109.0	382.7	252.1	52.4	4.6	4.5	4.4	58.0	259.8	382.7	
G109.5	383.5	248.2	51.8	4.7	4.6	4.3	57.4	254.1	383.5	
G110.0	381.8	245.1	51.4	4.7	4.6	4.3	57.0	250.8	381.8	
G110.5	380.3	241.0	51.1	4.7	6.2	4.3	56.2	248.1	380.3	

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: 8.800 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	380.1	236.3	50.5	4.6	6.2	4.3	56.1	245.7	380.1	
G111.5	380.9	233.9	50.1	4.6	6.3	4.3	55.6	242.8	380.9	
G112.0	382.0	231.4	49.5	4.6	4.7	4.1	55.1	240.2	382.0	
G112.5	383.8	229.4	49.1	4.5	4.8	4.2	54.3	237.9	383.8	
G113.0	382.3	225.2	48.6	4.5	4.8	4.2	54.1	235.5	382.3	
G113.5	380.7	223.0	48.0	4.5	4.8	4.2	53.3	232.6	380.7	
G114.0	380.4	221.2	47.8	4.4	4.8	4.1	52.7	230.9	380.4	
G114.5	380.8	219.1	47.2	4.4	4.9	4.1	50.9	228.9	380.8	
G115.0	383.1	216.4	46.7	4.4	4.8	4.0	50.2	228.4	383.1	
G115.5	383.6	215.5	46.3	4.4	4.9	4.1	49.6	226.4	383.6	
G116.0	385.3	213.4	45.8	4.4	4.9	4.0	49.0	224.7	385.3	
G116.5	386.4	212.6	45.2	4.3	4.9	4.1	48.2	222.8	386.4	
G117.0	386.1	209.6	44.7	4.4	4.9	4.0	47.7	221.6	386.1	
G117.5	386.3	208.4	44.3	4.3	5.0	4.0	48.5	220.3	386.3	
G118.0	385.4	206.7	43.8	4.3	5.0	4.0	47.7	220.2	385.4	
G118.5	385.2	205.0	43.2	4.4	5.0	3.9	47.3	218.5	385.2	
G119.0	386.8	204.1	42.8	4.3	5.0	4.0	46.5	218.6	386.8	
G119.5	387.6	202.6	42.3	4.3	6.7	3.9	45.8	216.2	387.6	
G120.0	388.7	201.1	41.7	4.1	6.6	3.7	45.2	216.3	388.7	
G120.5	391.2	200.2	41.2	4.2	6.6	3.8	44.6	214.6	391.2	
G121.0	391.5	199.1	40.6	4.2	6.6	3.8	43.9	214.4	391.5	
G121.5	391.6	197.6	40.1	4.0	6.6	3.5	43.2	212.4	391.6	
G122.0	387.8	196.9	39.5	4.2	6.8	3.6	42.4	212.1	387.8	
G122.5	384.0	195.2	39.0	4.2	6.6	3.7	42.3	210.2	384.0	
G123.0	379.2	195.3	40.0	4.0	6.6	3.5	41.2	211.1	379.2	
G123.5	375.7	193.9	39.3	4.2	6.7	3.6	40.5	209.1	375.7	
G124.0	374.0	193.5	38.8	4.1	6.6	3.7	39.9	208.6	374.0	
G124.5	373.2	192.6	36.7	4.1	6.7	3.5	39.2	206.7	373.2	
G125.0	374.0	191.4	36.2	4.1	6.8	3.7	38.6	205.2	374.0	
G125.5	374.4	190.8	35.6	4.1	6.8	3.7	38.6	203.6	374.4	
G126.0	373.5	189.4	34.9	4.1	6.8	3.6	37.4	202.4	373.5	
G126.5	373.0	188.5	34.5	4.0	6.8	3.7	36.5	201.1	373.0	
G127.0	371.4	187.4	34.0	4.0	6.8	3.7	35.9	200.2	371.4	
G127.5	368.7	186.6	33.4	3.9	6.8	3.6	35.1	199.9	368.7	
G128.0	363.5	185.6	32.9	5.5	7.2	3.8	34.5	198.9	363.5	
G128.5	360.0	184.8	32.2	5.4	6.9	3.8	33.8	198.5	360.0	
G129.0	357.5	184.1	31.7	5.4	6.7	3.6	33.7	196.1	357.5	

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: 8.800 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	352.9	184.2	31.1	5.4	6.9	3.8	32.5	195.6	352.9	
G130.0	352.7	182.8	30.5	5.5	6.9	3.8	31.8	193.6	352.7	
G130.5	351.2	182.8	30.0	5.4	6.7	3.7	31.0	192.5	351.2	
G131.0	349.6	180.5	29.4	5.4	6.9	5.9	30.4	190.6	349.6	
G131.5	349.4	180.1	28.9	5.5	6.7	5.4	29.5	190.0	349.4	
G132.0	348.4	179.1	28.3	5.5	6.7	5.5	29.2	189.0	348.4	
G132.5	349.0	179.1	27.7	5.3	6.8	3.8	28.5	188.8	349.0	
G133.0	347.2	179.1	27.1	5.5	6.8	3.9	27.8	188.0	347.2	
G133.5	343.7	177.6	26.6	5.9	6.7	3.9	27.1	188.0	343.7	
G134.0	338.0	176.3	26.0	5.5	6.8	3.9	26.5	187.0	338.0	
G134.5	332.8	174.9	25.4	5.5	6.7	3.9	25.6	186.0	332.8	
G135.0	327.4	174.0	24.8	5.5	6.7	3.9	25.1	184.1	327.4	
G135.5	321.0	172.8	24.2	5.6	6.7	3.8	24.3	182.1	321.0	
G136.0	315.6	172.1	23.8	5.3	6.7	3.9	23.5	178.6	315.6	
G136.5	310.9	170.2	23.2	5.5	6.7	3.9	22.9	176.1	310.9	
G137.0	306.3	168.8	22.5	5.3	6.5	3.9	22.3	174.1	306.3	
G137.5	304.2	166.1	22.1	5.4	6.7	3.9	21.6	171.4	304.2	
G138.0	299.7	164.4	21.4	5.5	7.1	3.9	20.8	169.0	299.7	
G138.5	298.1	161.6	20.8	5.4	6.6	5.4	19.9	165.8	298.1	
G139.0	294.7	159.8	20.4	5.6	6.7	5.6	19.8	163.2	294.7	
G139.5	290.7	157.0	19.8	5.5	7.1	5.6	18.9	160.3	290.7	
G140.0	288.3	155.1	19.1	5.5	6.7	5.4	18.3	158.6	288.3	
G140.5	282.9	151.6	18.7	5.6	6.7	3.8	17.7	155.3	282.9	
G141.0	279.7	149.3	18.1	5.6	6.7	3.9	17.4	153.1	279.7	
G141.5	275.2	146.8	17.4	5.5	6.7	3.7	16.6	150.4	275.2	
G142.0	270.7	144.0	16.9	5.4	6.7	5.4	15.8	148.2	270.7	
G142.5	266.8	143.1	16.4	5.5	6.7	5.4	15.4	144.7	266.8	
G143.0	262.5	139.8	15.6	5.4	6.6	5.3	14.8	143.1	262.5	
G143.5	259.8	137.3	15.3	5.3	6.6	5.4	14.3	139.8	259.8	
G144.0	255.4	134.2	14.7	5.4	6.9	5.4	13.7	138.2	255.4	
G144.5	250.7	131.6	14.3	5.4	6.5	5.2	13.2	135.8	250.7	
G145.0	244.9	128.8	13.7	5.4	6.3	5.4	12.7	133.4	244.9	
G145.5	238.5	124.5	13.2	5.3	6.6	5.4	12.1	130.7	238.5	
G146.0	232.4	121.6	12.7	5.4	6.4	5.3	11.5	128.1	232.4	
G146.5	226.9	118.0	12.1	5.4	6.3	5.4	10.9	124.9	226.9	
G147.0	221.8	116.3	11.7	5.4	4.8	5.6	10.7	120.8	221.8	
G147.5	216.2	113.3	11.1	5.4	4.8	5.5	10.1	116.4	216.2	

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: 8.800 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	210.8	109.9	10.7	5.3	4.6	5.4	8.1	112.3	210.8	
G148.5	207.0	106.0	10.2	3.5	6.3	5.4	7.8	108.0	207.0	
G149.0	202.8	102.0	9.7	3.8	6.3	5.6	7.3	103.9	202.8	
G149.5	199.6	98.5	9.3	3.7	6.4	5.2	8.6	99.9	199.6	
G150.0	195.6	94.8	8.8	3.8	4.7	5.2	8.1	96.8	195.6	
G150.5	191.8	91.3	8.4	5.4	4.6	5.2	7.7	93.4	191.8	
G151.0	186.9	88.0	8.0	5.8	4.6	5.0	7.3	90.3	186.9	
G151.5	181.9	84.0	7.5	5.4	4.6	5.2	6.9	86.9	181.9	
G152.0	176.5	80.8	7.1	5.2	4.5	5.2	6.6	83.9	176.5	
G152.5	171.9	77.0	6.7	5.3	4.5	5.2	4.8	80.3	171.9	
G153.0	166.0	73.8	6.3	5.2	4.6	5.2	4.4	76.8	166.0	
G153.5	159.1	70.1	5.9	5.1	4.4	5.2	4.1	72.8	159.1	
G154.0	151.6	67.1	5.5	5.2	4.4	5.2	3.9	69.0	151.6	
G154.5	145.0	63.5	5.2	5.1	4.2	5.2	3.6	65.7	145.0	
G155.0	139.6	60.1	4.9	5.1	4.3	5.2	3.4	61.7	139.6	
G155.5	133.8	56.7	4.5	5.2	4.3	5.2	2.9	58.6	133.8	
G156.0	127.9	53.6	4.2	5.2	4.1	5.1	2.9	55.0	127.9	
G156.5	121.0	50.2	3.9	5.2	4.2	5.2	2.7	51.4	121.0	
G157.0	115.3	47.0	3.5	5.2	4.2	5.2	2.3	47.8	115.3	
G157.5	109.7	43.8	3.4	5.1	4.2	5.0	2.4	44.5	109.7	
G158.0	104.4	40.6	3.2	5.2	4.1	5.1	2.2	41.3	104.4	
G158.5	99.3	36.7	2.8	5.0	4.1	5.0	2.0	37.7	99.3	
G159.0	94.4	32.8	2.8	5.0	4.1	4.9	2.0	33.3	94.4	
G159.5	88.8	27.5	2.5	5.2	4.0	4.6	1.9	28.4	88.8	
G160.0	84.1	22.9	2.2	4.9	4.0	5.0	1.7	23.3	84.1	
G160.5	79.7	18.4	2.3	4.9	4.0	5.0	1.8	18.9	79.7	
G161.0	75.0	13.8	2.2	5.0	3.8	4.9	1.8	14.7	75.0	
G161.5	70.7	10.5	2.2	4.8	3.9	5.6	1.8	10.6	70.7	
G162.0	65.1	7.5	2.1	4.9	3.9	4.9	1.8	7.5	65.1	
G162.5	60.9	4.6	2.0	4.8	3.7	5.0	1.8	4.9	60.9	
G163.0	55.7	2.4	2.0	4.8	3.8	4.8	1.8	2.2	55.7	
G163.5	51.8	2.4	2.0	4.8	3.7	4.9	1.8	2.1	51.8	
G164.0	47.4	2.3	2.0	4.8	3.6	4.7	1.9	2.2	47.4	
G164.5	43.2	2.3	2.0	4.7	3.7	4.7	1.9	2.2	43.2	
G165.0	39.4	2.4	2.0	4.5	3.6	4.9	1.9	2.3	39.4	
G165.5	35.4	3.0	2.0	4.7	3.6	4.6	2.0	2.3	35.4	
G166.0	29.5	2.7	2.0	4.7	3.5	4.9	1.9	2.9	29.5	

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: 8.800 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	22.9	2.4	2.1	4.5	3.5	4.7	1.9	2.4	22.9
G167.0	17.7	2.5	2.0	4.6	3.5	4.7	2.0	2.4	17.7
G167.5	12.3	2.9	2.0	4.5	3.2	4.4	2.0	2.4	12.3
G168.0	8.5	2.7	2.1	4.4	3.4	4.3	2.0	2.9	8.5
G168.5	4.8	2.9	2.1	4.4	3.4	4.4	2.0	2.7	4.8
G169.0	2.4	2.7	2.0	4.1	3.1	4.3	2.0	2.6	2.4
G169.5	2.5	2.9	2.1	4.2	3.2	4.4	2.0	2.8	2.5
G170.0	2.4	2.5	2.1	4.4	3.2	4.4	2.0	2.6	2.4
G170.5	2.5	2.9	2.1	4.3	2.9	4.2	2.0	2.9	2.5
G171.0	2.6	3.0	2.1	4.4	3.0	4.3	2.0	2.7	2.6
G171.5	2.7	2.8	2.1	2.7	3.0	4.3	2.1	1.3	2.7
G172.0	2.8	3.0	2.1	2.7	2.8	4.0	2.0	1.3	2.8
G172.5	2.9	3.0	1.9	2.6	2.9	4.3	2.0	1.3	2.9
G173.0	3.0	1.3	2.1	4.2	2.8	4.0	2.0	1.4	3.0
G173.5	3.1	1.5	2.1	4.0	2.8	4.3	2.1	1.4	3.1
G174.0	2.9	1.5	1.9	4.1	2.7	4.2	2.1	1.5	2.9
G174.5	3.0	1.6	2.1	3.8	2.5	4.1	1.9	1.5	3.0
G175.0	2.9	3.3	2.1	4.4	2.7	4.1	3.7	1.6	2.9
G175.5	3.2	3.2	1.9	3.8	2.5	3.8	3.6	1.6	3.2
G176.0	3.3	1.5	2.1	2.1	2.5	4.1	2.1	1.6	3.3
G176.5	3.2	1.7	1.9	2.3	2.4	4.0	2.1	1.7	3.2
G177.0	3.1	1.6	2.1	2.2	2.4	3.8	2.1	1.8	3.1
G177.5	3.3	1.8	2.1	2.2	2.2	3.9	1.9	1.7	3.3
G178.0	3.0	1.9	2.1	3.6	2.3	3.8	2.1	3.4	3.0
G178.5	1.8	2.0	2.1	3.8	2.2	3.6	2.2	3.4	1.8
G179.0	3.5	2.0	2.1	3.7	2.0	3.7	2.1	3.4	3.5
G179.5	2.0	2.1	2.1	3.4	2.0	3.6	2.1	3.5	2.0
G180.0	3.7	2.1	3.6	3.5	1.9	3.6	2.1	3.7	3.7

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: 8.800 m
 Humidity:
 Inspector: