

Report No.:

Test Time: 2015-07-21 20:08

Luminaire Property

Luminaire Manufacturer: P.Q.L., Inc.
Luminaire Description: 83226
Lumens per Lamp: 7359.5 lm
Luminous Width (mm): 0 mm
Voltage: 120.3 V
Power: 88.00 W

Number of Lamps: 1
Luminous Length (mm): 0 mm
Luminous Height (mm): 0 mm
Current: 0.744 A
Power Factor: 0.982

Photometric Results

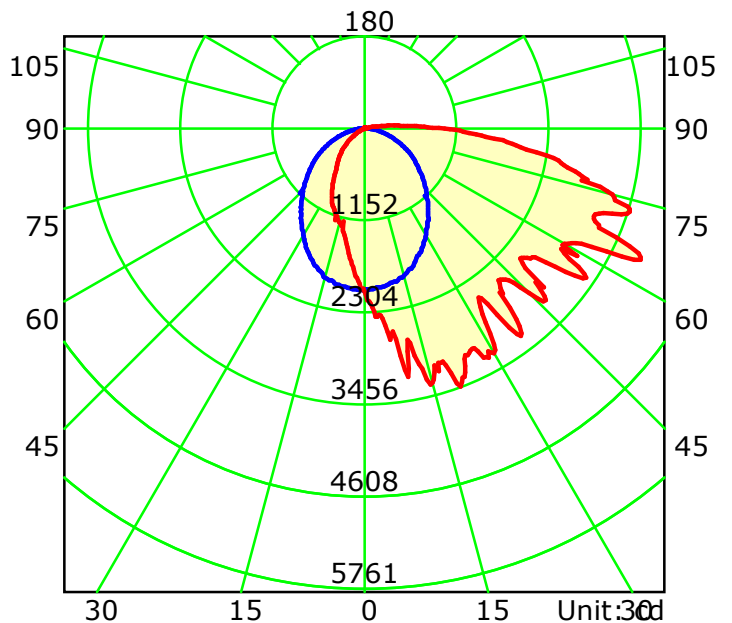
CIE Class: Direct
Measurement Flux: 7359.5 lm
Downward Ratio: 97.49%
Horizontal Diffuse Angle(10%,25%,50%,75%): H157.3,H132.4,H95.4,H61.2
Vertical Diffuse Angle(10%,25%,50%,75%): V151,V130.7,V107.1,V84.3
Luminaire Efficacy Rating (LER): 83.68
Max. Intensity: 3821.92 cd
S/MH(C0/C180): 1.14

Total Rated Lamp Lumens: 7359.5 lm
Efficiency: 100.00%
Upward Ratio: 2.51%
Central Intensity: 2024.33 cd
Pos of Max. Intensity: H90 V64.5
S/MH(C90/C270): 1.28

Picture Of Luminaire



Luminous Intensity Distribution Curve



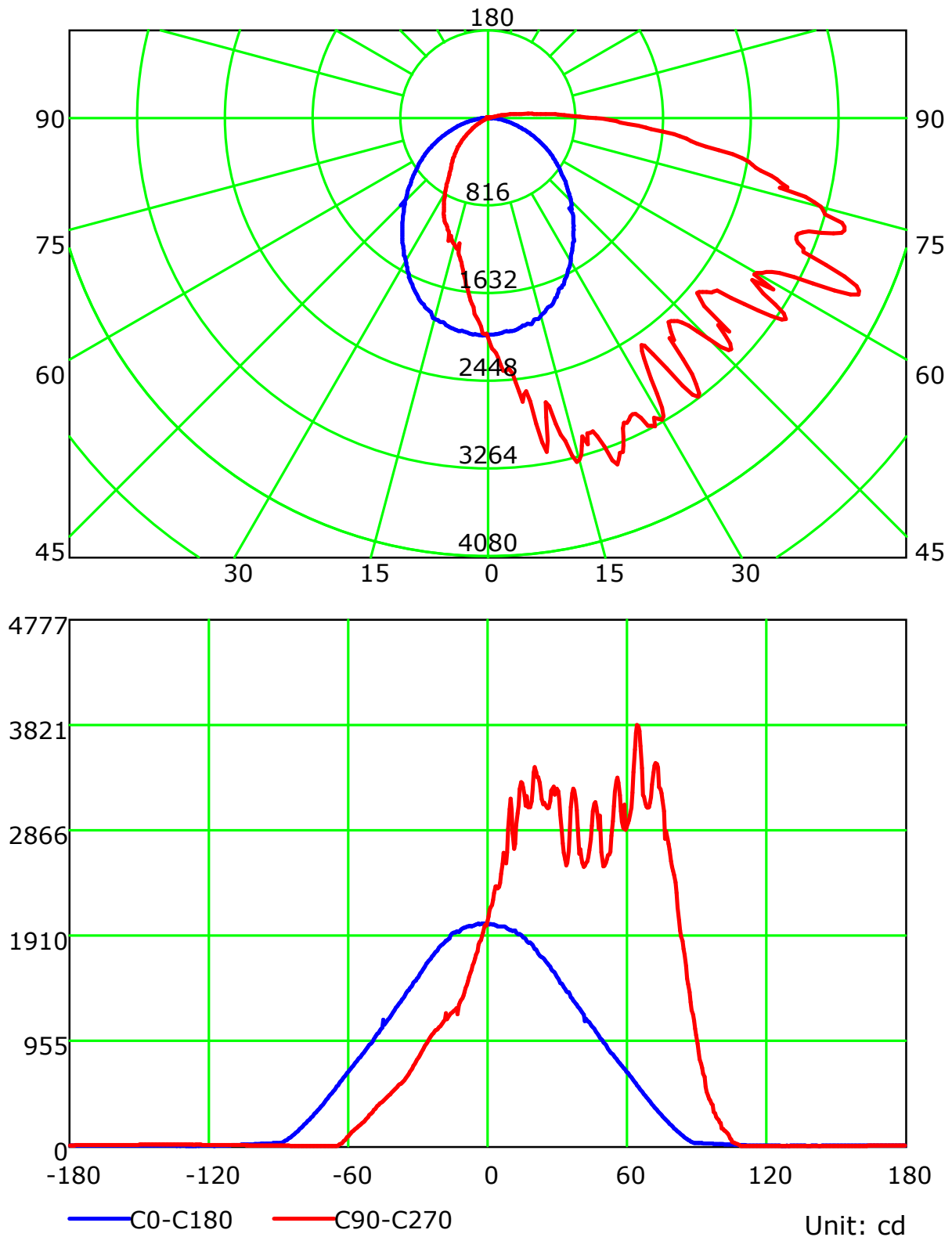
Average Diffuse Angle(50%): 90.7°

— 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-1600L
Distance: 8.567 m
Humidity:
Inspector:

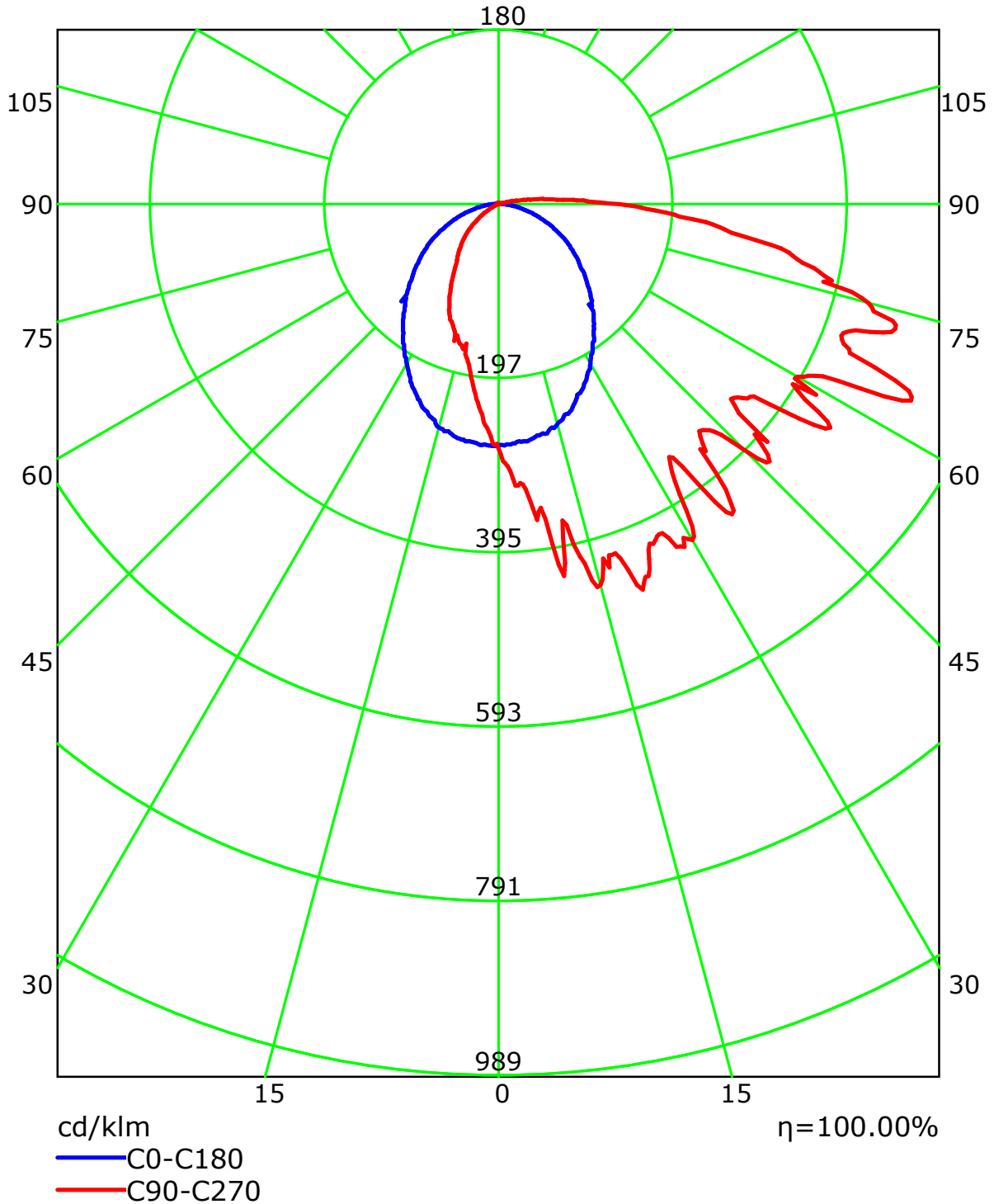
Luminous Intensity Distribution Curve



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-1600L
Distance: 8.567 m
Humidity:
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



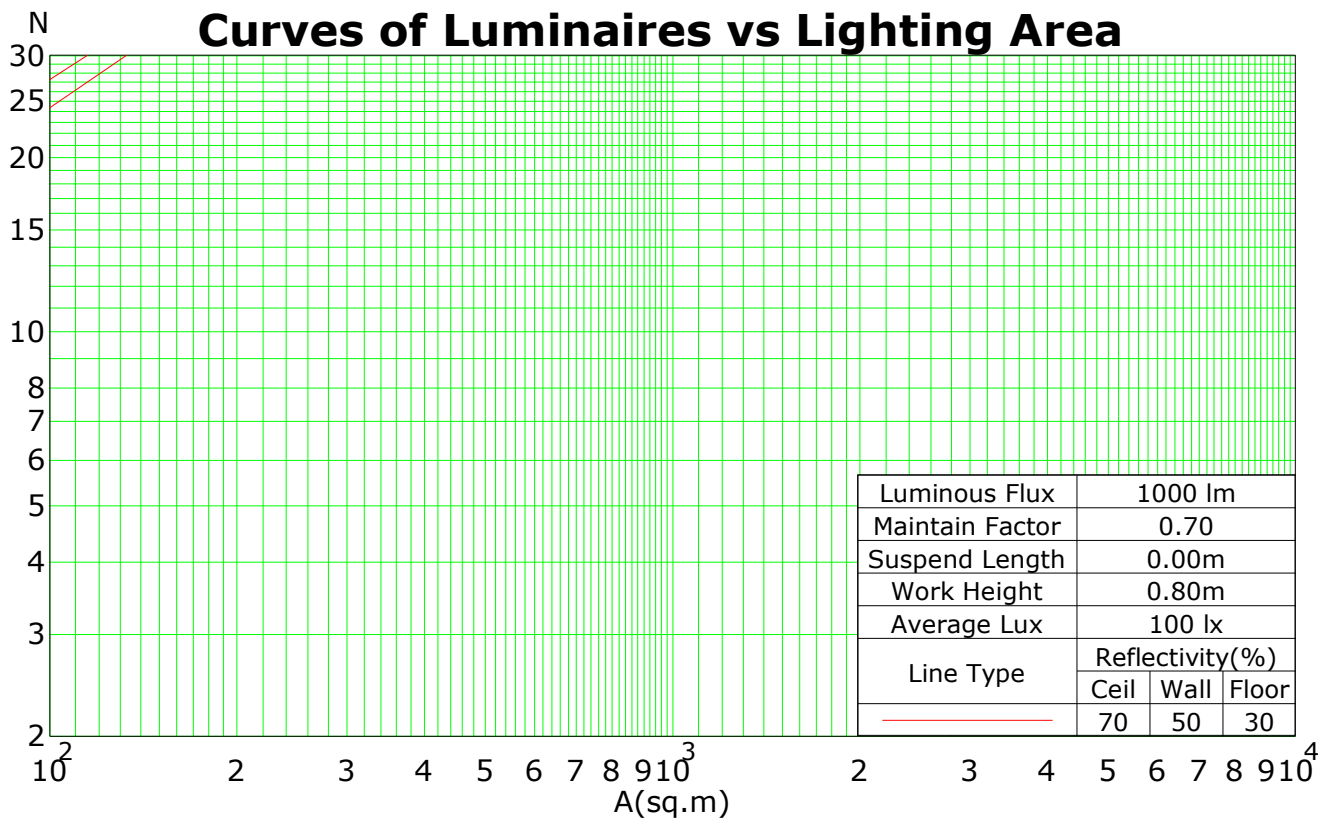
C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:0.5
Test Device: GPM-1600L
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	118	118	118	118	115	115	115	115	110	110	110	105	105	105	100	100	100	97
1	105	100	94	89	102	97	92	88	92	88	84	88	84	81	84	81	78	76
2	95	85	77	71	92	83	76	70	79	73	67	75	70	65	72	67	64	61
3	86	74	65	58	83	72	64	57	69	61	55	65	59	54	62	57	53	50
4	78	65	55	48	76	64	55	48	61	53	47	58	51	46	55	50	45	42
5	72	58	48	41	69	57	48	41	54	46	40	52	45	39	50	44	39	36
6	66	52	42	36	64	51	42	35	49	41	35	47	40	34	45	39	34	32
7	61	47	38	31	59	46	37	31	44	36	31	43	36	30	41	35	30	28
8	57	43	34	28	55	42	34	28	41	33	27	39	32	27	38	31	27	25
9	53	39	31	25	52	39	30	25	37	30	25	36	29	24	35	29	24	22
10	50	36	28	23	49	36	28	23	35	27	22	33	27	22	32	26	22	20

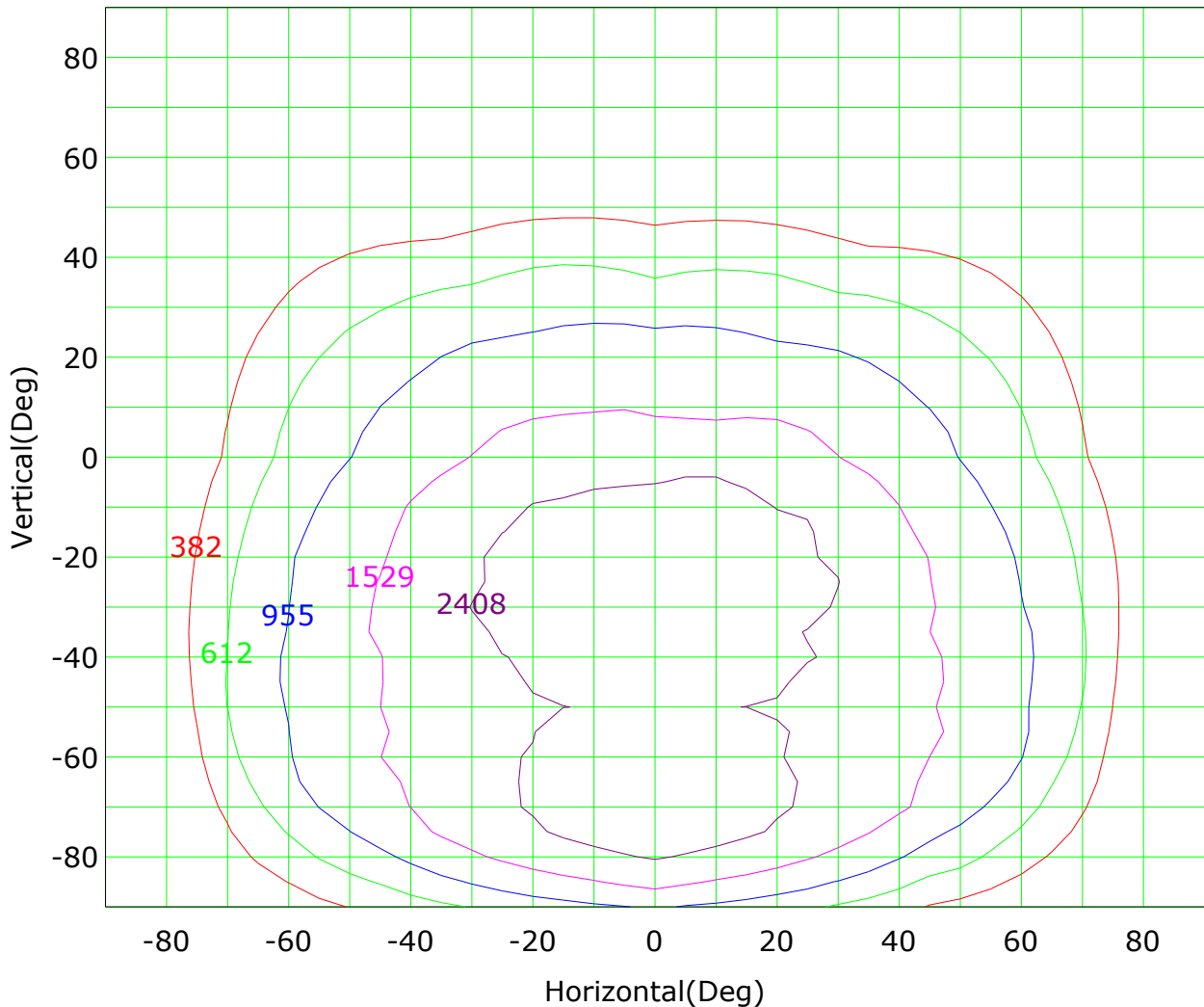
Spacing Criteria (0-180): 1.14
 Spacing Criteria (90-270): 1.28
 Spacing Criteria (Diagonal): 1.42



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-1600L
 Distance: 8.567 m
 Humidity:
 Inspector:

Isocandela (rectangle)



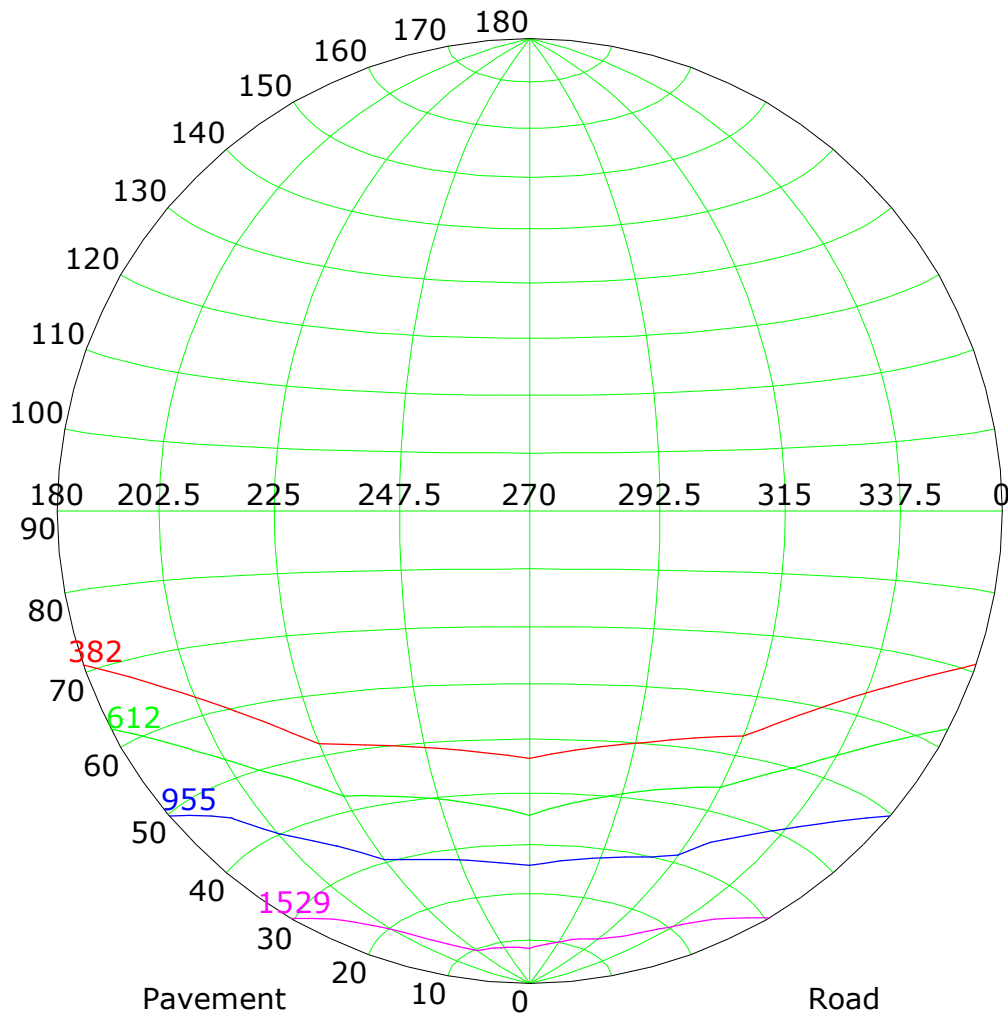
Imax (100%): 3822 cd

- | | |
|-----------------|-----------------|
| (10%): 382 cd | (16%): 612 cd |
| (25%): 955 cd | (40%): 1529 cd |
| (63%): 2408 cd | (100%): 3822 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-1600L
Distance: 8.567 m
Humidity:
Inspector:

Isocandela (sphere)



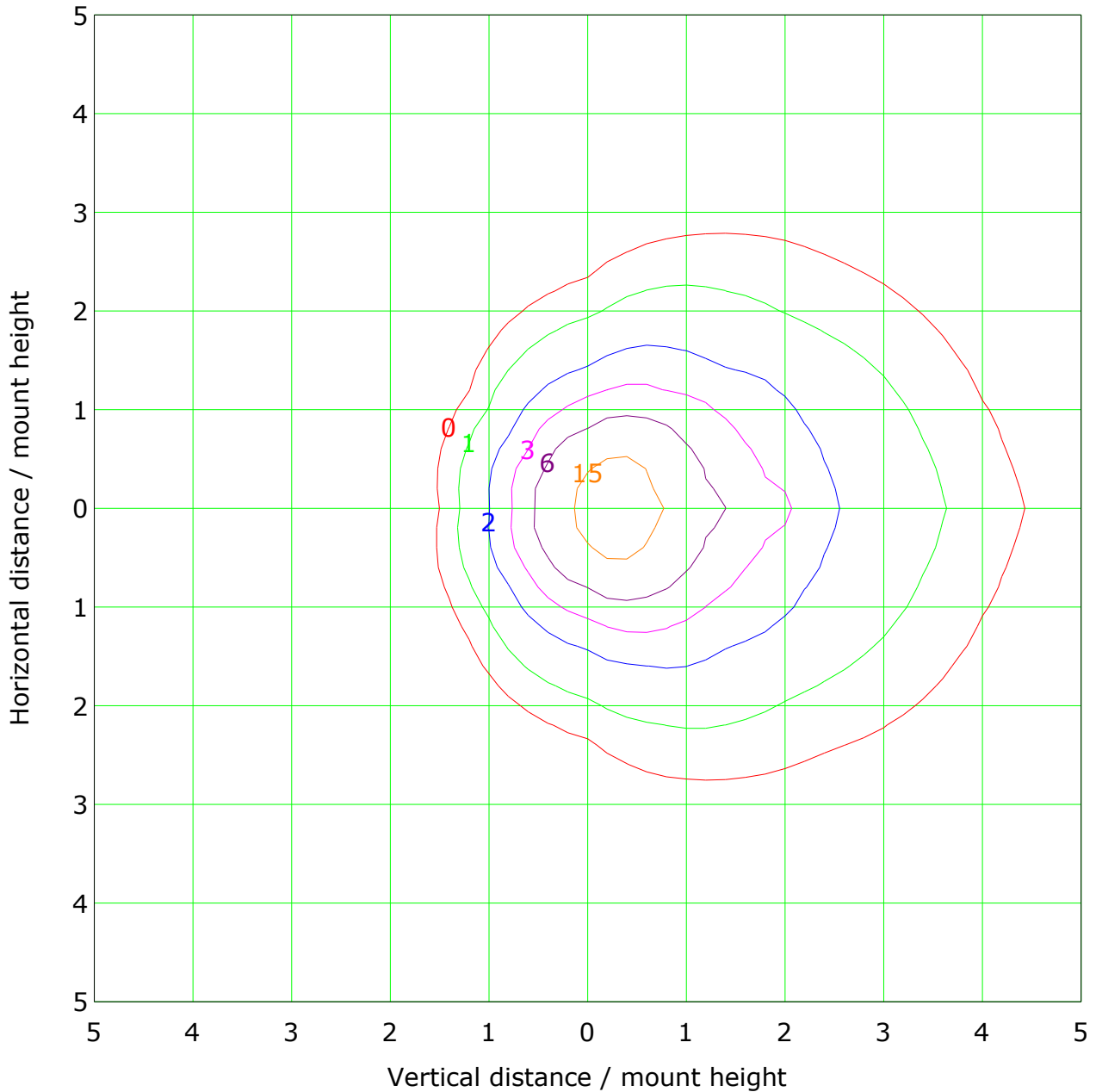
Imax (100%): 3822 cd

— (10%): 382 cd	— (16%): 612 cd
— (25%): 955 cd	— (40%): 1529 cd
— (63%): 2408 cd	— (100%): 3822 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-1600L
Distance: 8.567 m
Humidity:
Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 30.1 lx

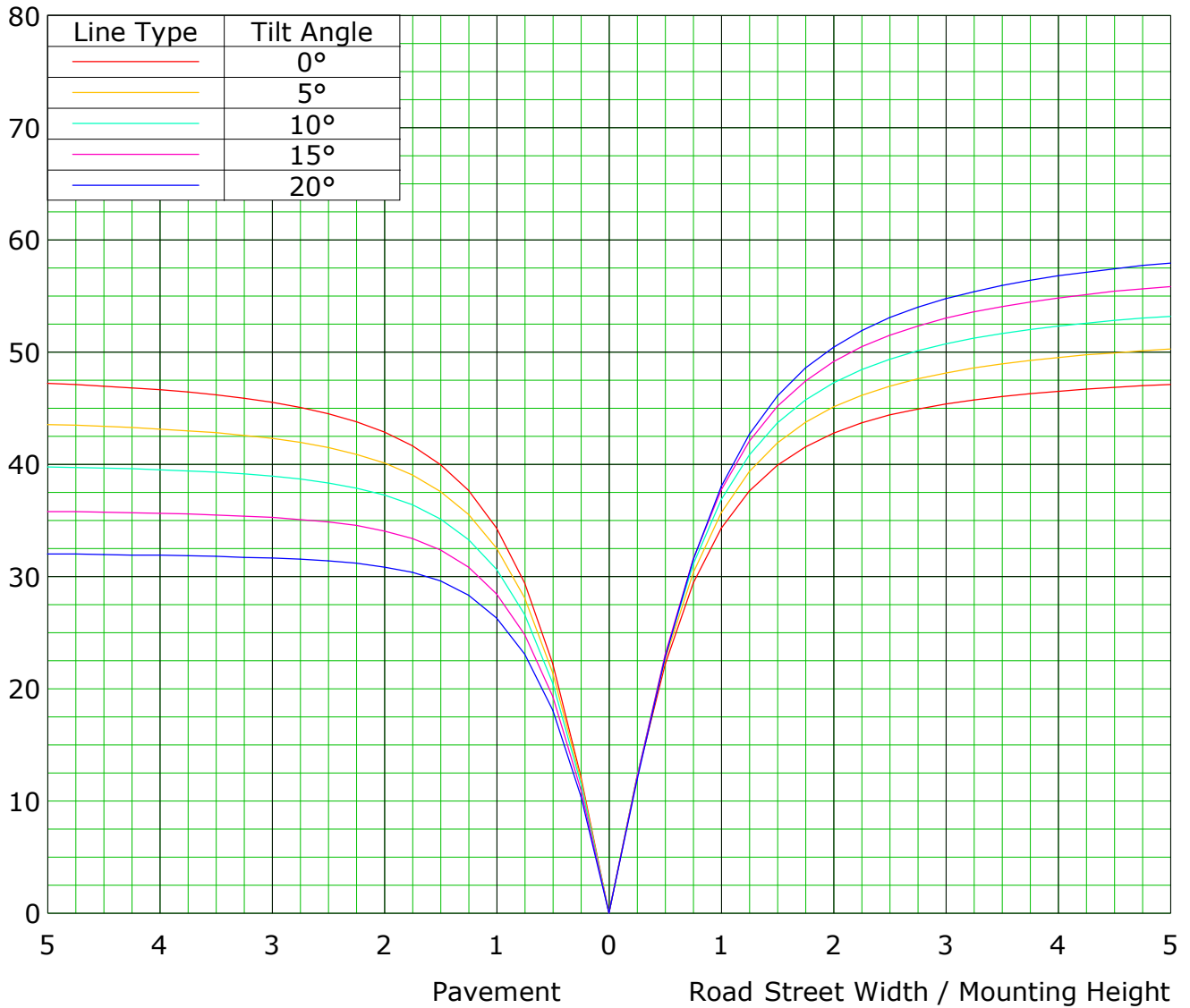
(1%): 0.3 lx	(2%): 0.6 lx
(5%): 1.5 lx	(10%): 3.0 lx
(20%): 6.0 lx	(50%): 15.1 lx
(100%): 30.1 lx	

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-1600L
Distance: 8.567 m
Humidity:
Inspector:

Roadway CU Curve

Efficiency(%)

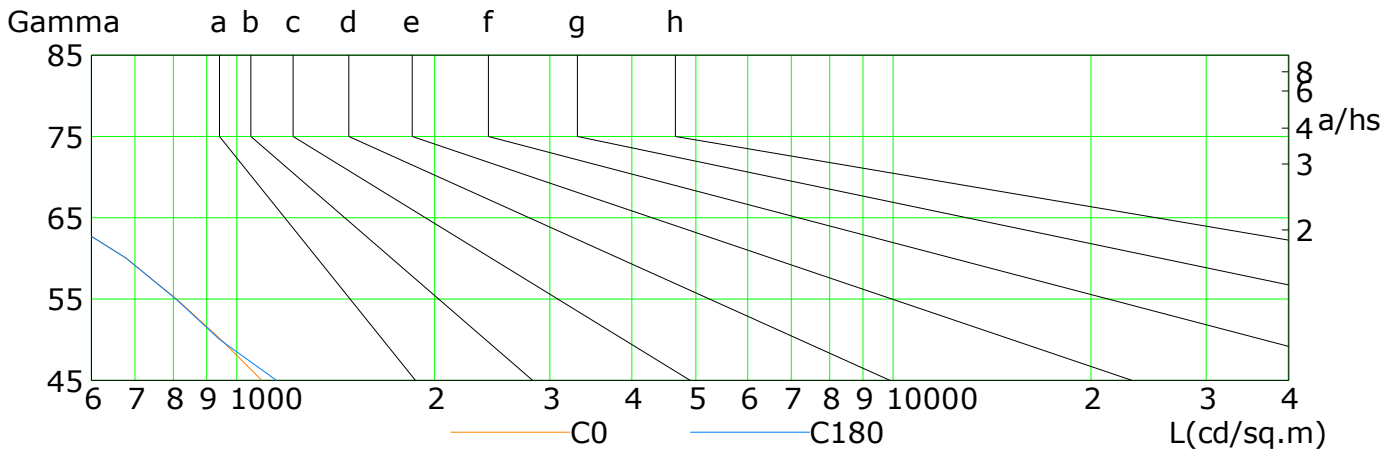
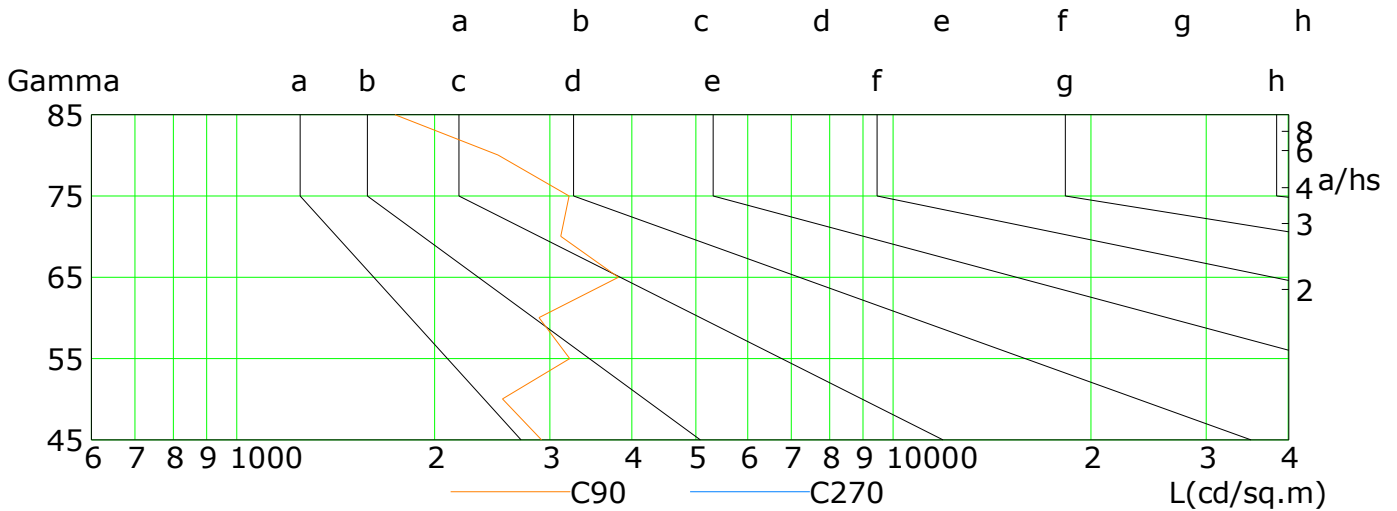


C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

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

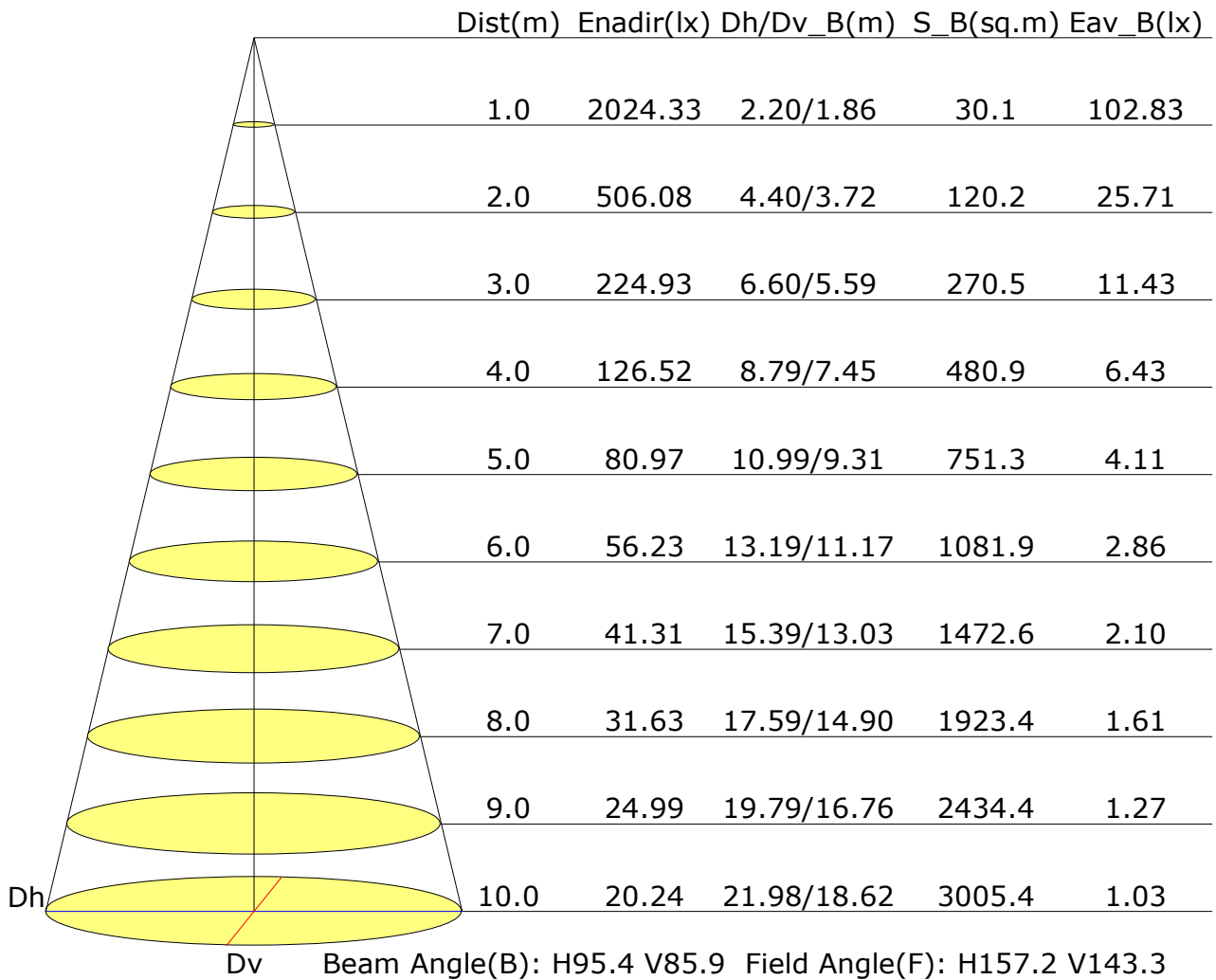


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1092	946	809	678	540	407	282	174	80
C90	2911	2539	3217	2889	3812	3117	3207	2498	1740
C180	1150	941	808	679	542	405	284	175	81
C270	414	302	191	93	2	1	2	3	4

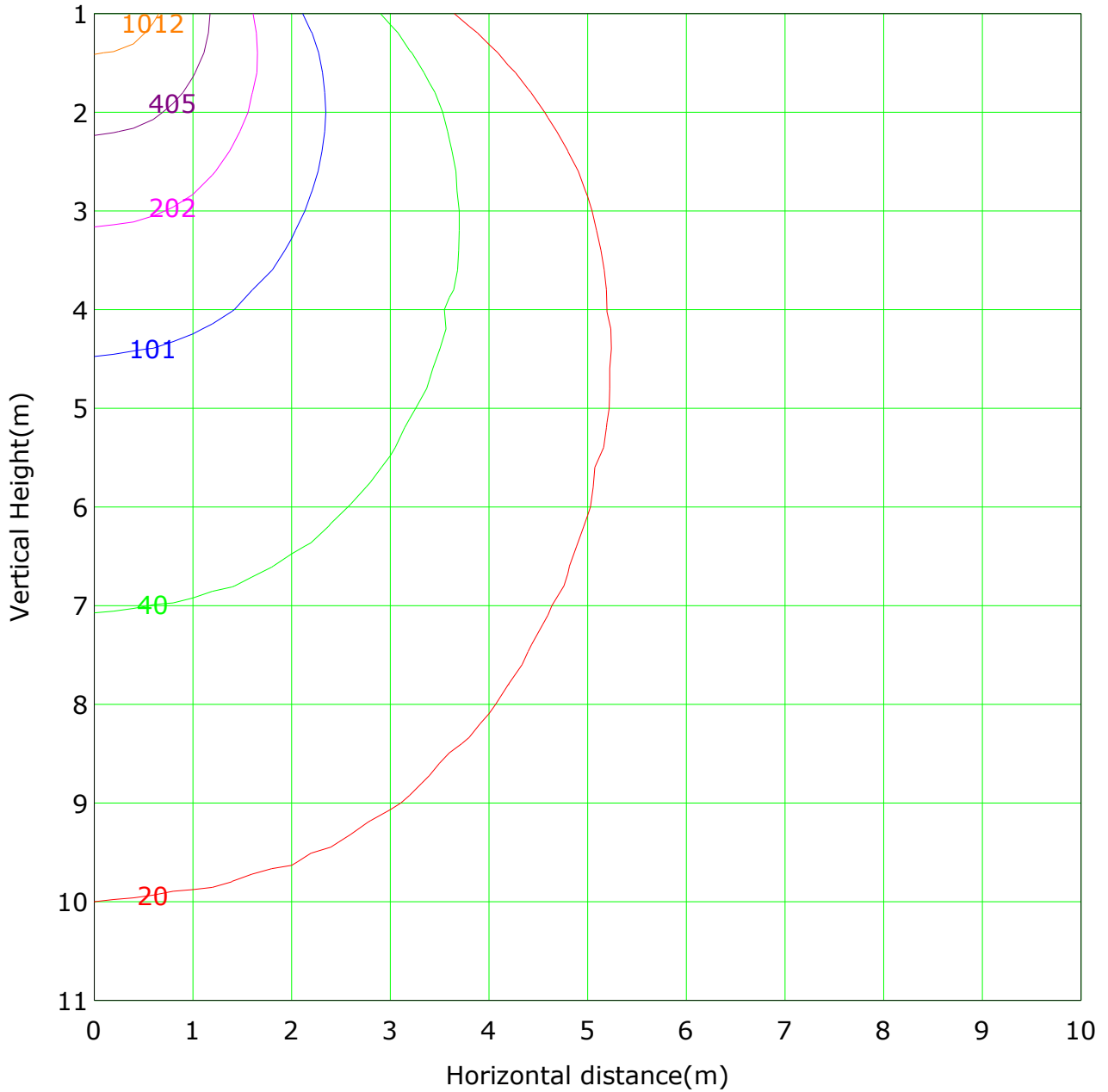
C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:0.5
 Test Device: GPM-1600L
 Distance: 8.567 m
 Humidity:
 Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 2024.3 lx
— (1%): 20.2 lx — (2%): 40.5 lx
— (5%): 101.2 lx — (10%): 202.4 lx
— (20%): 404.9 lx — (50%): 1012.2 lx
— (100%): 2024.3 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-1600L
Distance: 8.567 m
Humidity:
Inspector:

Tel:
Fax:

Area Flux Table

Unit: lm

		Vertical plane																				
Flux(E)	Flux(T)	-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	13.8	87.5	194.4	3328.1	489.1	661.6	803.9	895.0	892.5	801.3	663.2	490.1	328.0	195.0	88.4	14.2	0.0			
0.1	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	4.1	0.0
0.1	0.4	0.7	0.8	0.5	0.4	0.3	0.2	0.1	0.1	0.1	0.3	0.4	0.4	0.4	0.5	0.8	0.7	0.4	0.1	7.2	0.0	
0.1	0.6	1.2	1.5	1.0	1.0	1.3	1.3	1.0	1.1	1.6	1.7	1.4	1.2	1.6	1.2	1.6	1.2	0.6	0.1	19.6	0.0	
0.2	0.9	1.9	2.7	3.2	4.1	5.5	6.3	6.3	6.4	6.7	6.0	4.8	3.7	2.8	1.9	0.9	0.2	64.5	0.0			
0.2	1.2	2.7	4.7	6.8	8.3	10.7	12.6	13.0	13.2	13.1	11.4	9.0	7.3	5.0	2.8	1.2	0.2	123.4	64.2			
0.2	1.5	3.8	7.1	10.6	13.5	16.7	19.6	20.2	20.5	20.5	17.8	14.3	11.0	7.3	3.9	1.5	0.2	190.2	2176.0			
0.3	1.8	4.9	9.5	14.6	19.8	24.1	27.8	29.8	30.2	28.9	25.4	20.6	14.9	9.6	5.0	1.8	0.2	269.3	261.0			
0.3	2.1	5.9	11.6	18.6	26.3	33.0	36.0	37.7	38.8	37.4	33.9	26.9	18.8	11.7	6.0	2.0	0.3	347.3	341.2			
0.3	2.3	6.7	13.5	22.2	32.2	42.3	48.9	51.4	53.7	49.6	42.4	32.3	22.1	13.5	6.8	2.3	0.3	442.5	437.7			
0.3	2.6	7.8	15.7	26.4	39.6	54.5	68.0	74.9	70.8	65.4	53.7	39.6	26.3	15.7	7.8	2.6	0.3	571.8	568.0			
0.4	3.1	9.1	18.3	30.8	47.4	67.2	84.8	92.5	90.1	81.9	66.0	47.0	30.6	18.1	9.0	3.0	0.4	699.8	696.9			
0.4	3.4	10.1	20.1	33.6	51.0	71.7	86.9	95.1	94.4	85.7	71.6	51.2	33.4	19.6	9.9	3.3	0.4	741.7	739.3			
0.4	3.5	10.7	21.2	34.2	51.7	68.1	79.6	86.6	86.7	79.1	68.4	50.8	34.3	20.4	10.4	3.5	0.4	710.2	707.9			
0.4	3.4	10.8	21.5	34.8	49.3	63.7	74.6	81.8	81.8	74.2	63.4	49.4	33.2	20.7	10.4	3.5	0.4	677.4	674.9			
0.3	3.0	10.3	20.9	34.0	48.9	63.4	75.5	85.1	85.0	75.0	62.1	47.1	32.6	20.2	10.1	3.2	0.4	677.1	674.1			
0.3	2.5	8.3	18.8	31.6	47.6	64.9	80.7	94.4	94.2	80.2	63.8	46.2	30.4	18.5	8.7	2.7	0.3	694.2	690.4			
0.3	1.9	6.0	13.0	23.5	38.7	55.8	72.4	87.2	87.1	72.2	55.7	39.0	24.5	13.9	6.4	2.1	0.3	600.0	594.3			
0.2	1.4	3.7	7.4	12.7	20.6	30.0	39.6	48.4	48.6	40.2	30.9	21.8	13.9	8.3	4.2	1.5	0.3	333.9	320.4			
4.6	35.7	105.1	208.5	339.2	500.8	673.4	815.1	905.7	902.9	812.3	675.0	502.1	339.1	208.1	105.5	36.2	4.7	7174				
0.0	13.8	87.5	194.4	3328.1	489.1	661.6	803.9	895.0	892.5	801.3	663.2	490.1	328.0	195.0	88.4	14.2	0.0			6946		

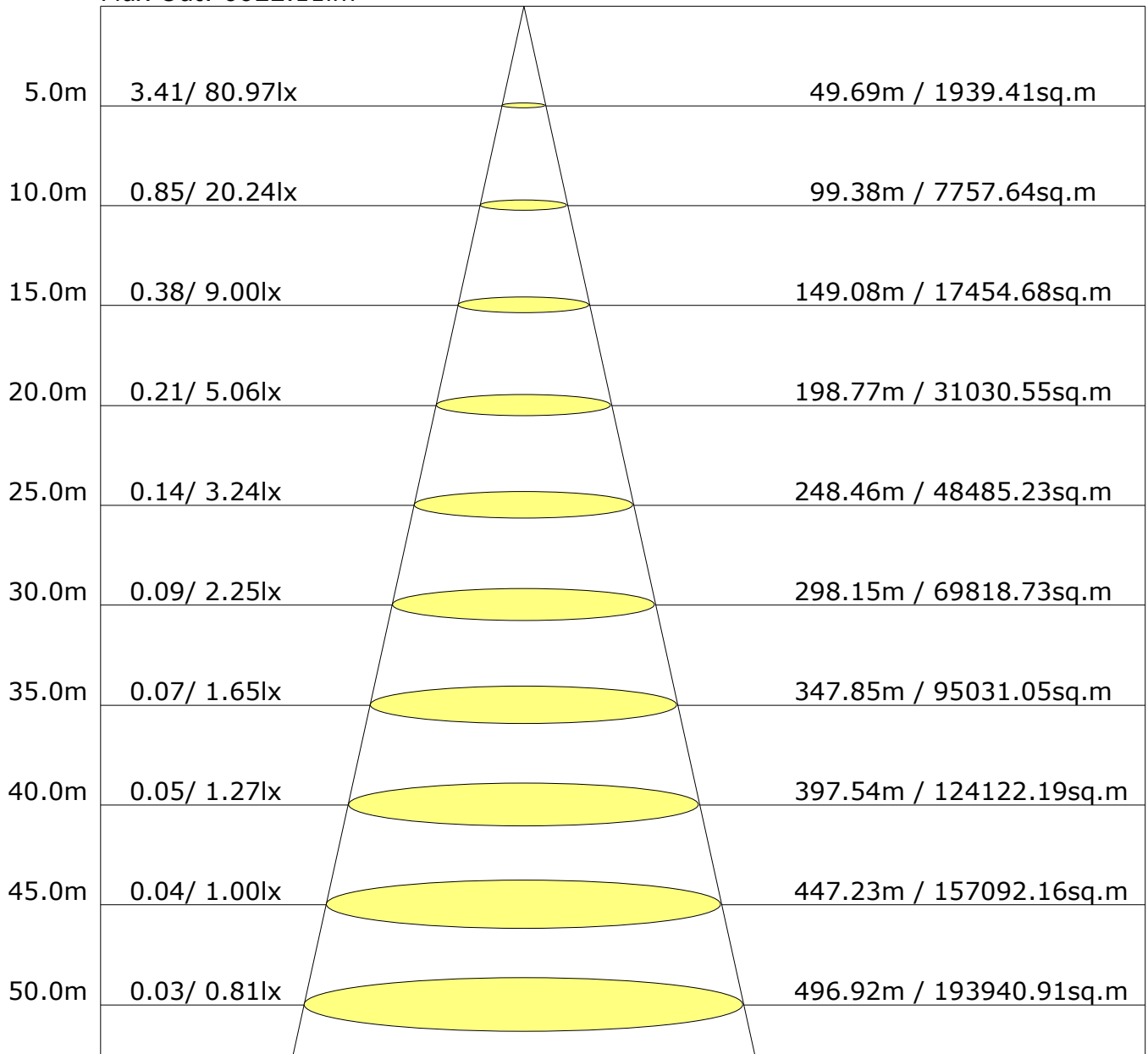
Horizontal plane

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-1600L
 Distance: 8.567 m
 Humidity:
 Inspector:

The Average Illuminance Effective Figure

Flux Out: 6622.11lm



Height

Avg./Nadir. E

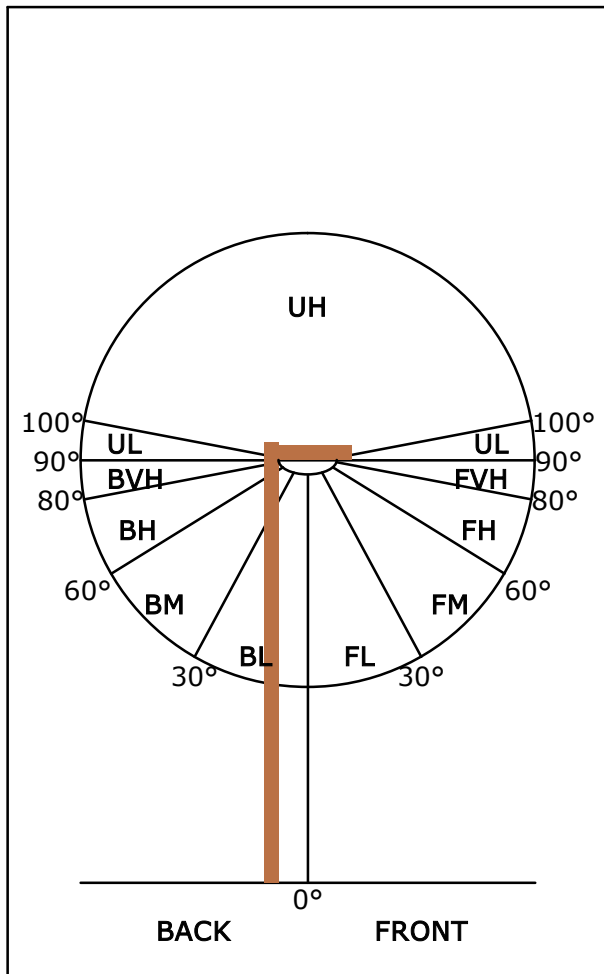
Beam Angle:157.2°

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-1600L
 Distance: 8.567 m
 Humidity:
 Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



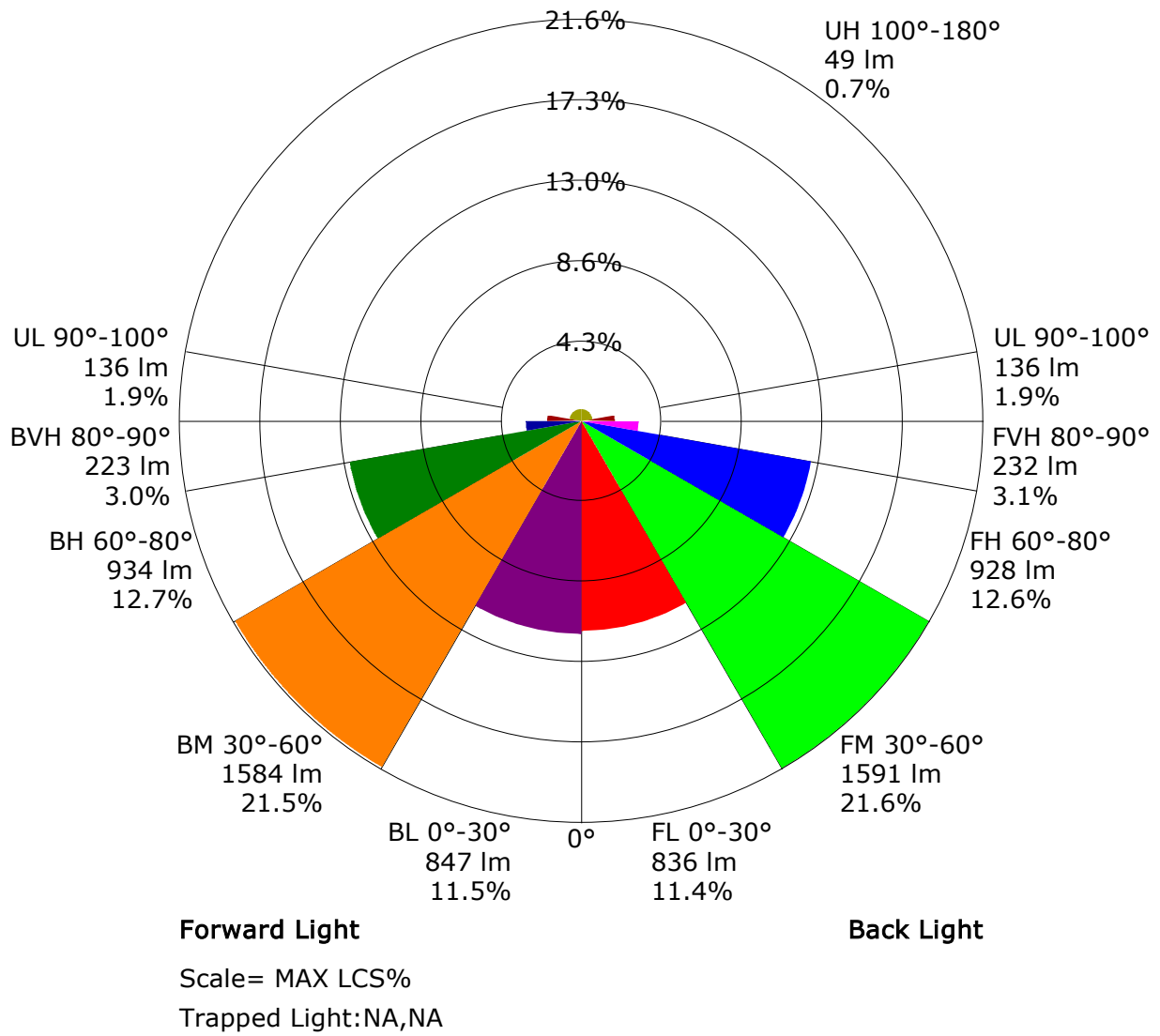
ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	3586	48.7
FL (0°-30°)	836	11.4
FM (30°-60°)	1591	21.6
FH (60°-80°)	928	12.6
FVH (80°-90°)	232	3.1
BACK LIGHT	3588	48.8
BL (0°-30°)	847	11.5
BM (30°-60°)	1584	21.5
BH (60°-80°)	934	12.7
BVH (80°-90°)	223	3.0
UP LIGHT	185	2.5
UL (90°-100°)	136	1.9
UH (100°-180°)	49	0.7
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B2 U5 G2
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B2 U5 G1

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-1600L
 Distance: 8.567 m
 Humidity:
 Inspector:

LCS Graph



Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.25									
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	0.51	0.61	0.68	0.73	0.81	0.87	0.90	0.96	0.99	
		0.30	0.43	0.52	0.59	0.65	0.74	0.80	0.84	0.90	0.95	
		0.20	0.36	0.46	0.53	0.59	0.67	0.74	0.79	0.86	0.90	
0.50	0.50	0.20	0.49	0.58	0.65	0.70	0.77	0.82	0.86	0.91	0.94	
		0.30	0.42	0.51	0.58	0.63	0.71	0.77	0.81	0.87	0.91	
		0.20	0.36	0.45	0.52	0.57	0.66	0.72	0.76	0.83	0.87	
0.30	0.50	0.20	0.48	0.56	0.62	0.67	0.74	0.79	0.82	0.87	0.90	
		0.30	0.41	0.49	0.56	0.61	0.69	0.74	0.78	0.83	0.87	
		0.20	0.36	0.44	0.51	0.56	0.64	0.70	0.74	0.80	0.84	
0.00	0.00	0.00	0.33	0.41	0.48	0.53	0.60	0.65	0.69	0.75	0.79	

Rating:88W Photometrically tested without ceiling board.
 Multiply UF values by service correction factors
 Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.25								
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	1.09	0.92	0.80	0.71	0.59	0.50	0.43	0.34	0.28
	0.30		0.91	0.79	0.70	0.63	0.53	0.45	0.40	0.32	0.27
	0.20		0.78	0.69	0.62	0.57	0.48	0.42	0.37	0.30	0.26
0.50	0.50	0.20	1.05	0.89	0.77	0.68	0.56	0.50	0.41	0.33	0.27
	0.30		0.88	0.77	0.68	0.61	0.51	0.44	0.39	0.31	0.26
	0.20		0.77	0.68	0.61	0.56	0.47	0.41	0.36	0.29	0.25
0.30	0.50	0.20	1.01	0.85	0.74	0.66	0.54	0.45	0.39	0.31	0.26
	0.30		0.86	0.75	0.66	0.59	0.50	0.43	0.37	0.30	0.25
	0.20		0.76	0.67	0.60	0.54	0.46	0.40	0.35	0.29	0.24
0.00	0.00	0.00	0.66	0.58	0.51	0.46	0.39	0.33	0.29	0.24	0.20
<p>Rating:88W 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 = 1.25								
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	0.19	0.21	0.22	0.22	0.23	0.24	0.24	0.25	0.25
	0.30		0.12	0.14	0.15	0.16	0.17	0.19	0.19	0.21	0.21
	0.20		0.07	0.08	0.09	0.11	0.13	0.14	0.15	0.17	0.18
0.50	0.50	0.20	0.19	0.20	0.21	0.22	0.22	0.23	0.23	0.24	0.24
	0.30		0.12	0.13	0.14	0.15	0.17	0.18	0.19	0.20	0.21
	0.20		0.07	0.08	0.09	0.10	0.12	0.14	0.15	0.17	0.18
0.30	0.50	0.20	0.18	0.19	0.20	0.21	0.22	0.22	0.22	0.23	0.23
	0.30		0.11	0.13	0.14	0.15	0.16	0.17	0.18	0.19	0.20
	0.20		0.07	0.08	0.09	0.10	0.12	0.13	0.15	0.16	0.17
0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02

Rating:88W 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	2057.5	0.5	0.5	0.01	0.01
0.5-1.0	2055.4	1.5	2.0	0.02	0.03
1.0-1.5	2055.3	2.5	4.4	0.03	0.06
1.5-2.0	2054.2	3.4	7.9	0.05	0.11
2.0-2.5	2055.3	4.4	12.3	0.06	0.17
2.5-3.0	2063.6	5.4	17.7	0.07	0.24
3.0-3.5	2074.1	6.4	24.2	0.09	0.33
3.5-4.0	2073.4	7.4	31.6	0.10	0.43
4.0-4.5	2058.6	8.4	40.0	0.11	0.54
4.5-5.0	2044.3	9.3	49.2	0.13	0.67
5.0-5.5	2040.2	10.2	59.5	0.14	0.81
5.5-6.0	2045.8	11.2	70.7	0.15	0.96
6.0-6.5	2057.4	12.3	83.0	0.17	1.13
6.5-7.0	2070.7	13.3	96.3	0.18	1.31
7.0-7.5	2069.7	14.3	110.7	0.19	1.50
7.5-8.0	2053.3	15.2	125.9	0.21	1.71
8.0-8.5	2046.1	16.1	142.0	0.22	1.93
8.5-9.0	2056.9	17.2	159.1	0.23	2.16
9.0-9.5	2071.1	18.3	177.4	0.25	2.41
9.5-10.0	2081.6	19.3	196.7	0.26	2.67
10.0-10.5	2086.8	20.4	217.1	0.28	2.95
10.5-11.0	2078.4	21.3	238.3	0.29	3.24
11.0-11.5	2066.3	22.1	260.4	0.30	3.54
11.5-12.0	2066.4	23.1	283.5	0.31	3.85
12.0-12.5	2076.5	24.2	307.6	0.33	4.18
12.5-13.0	2076.6	25.1	332.8	0.34	4.52
13.0-13.5	2070.3	26.0	358.8	0.35	4.88
13.5-14.0	2074.3	27.0	385.8	0.37	5.24
14.0-14.5	2080.2	28.1	413.9	0.38	5.62
14.5-15.0	2079.4	29.0	442.9	0.39	6.02
15.0-15.5	2078.9	30.0	472.9	0.41	6.43
15.5-16.0	2078.4	30.9	503.8	0.42	6.85
16.0-16.5	2070.8	31.8	535.6	0.43	7.28
16.5-17.0	2067.5	32.7	568.3	0.44	7.72
17.0-17.5	2058.7	33.5	601.8	0.45	8.18
17.5-18.0	2048.0	34.2	636.0	0.47	8.64

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-1600L
 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 [%]
18.0-18.5	2041.7	35.1	671.1	0.48	9.12
18.5-19.0	2033.5	35.8	706.9	0.49	9.61
19.0-19.5	2035.6	36.8	743.7	0.50	10.11
19.5-20.0	2046.6	37.9	781.6	0.52	10.62
20.0-20.5	2055.4	39.0	820.6	0.53	11.15
20.5-21.0	2050.9	39.8	860.5	0.54	11.69
21.0-21.5	2038.6	40.5	901.0	0.55	12.24
21.5-22.0	2027.0	41.2	942.2	0.56	12.80
22.0-22.5	2013.3	41.8	984.0	0.57	13.37
22.5-23.0	1995.8	42.3	1026.3	0.58	13.94
23.0-23.5	1978.6	42.8	1069.1	0.58	14.53
23.5-24.0	1963.0	43.3	1112.5	0.59	15.12
24.0-24.5	1950.0	43.9	1156.4	0.60	15.71
24.5-25.0	1938.6	44.5	1200.9	0.60	16.32
25.0-25.5	1927.0	45.1	1245.9	0.61	16.93
25.5-26.0	1919.5	45.7	1291.7	0.62	17.55
26.0-26.5	1917.0	46.5	1338.2	0.63	18.18
26.5-27.0	1916.9	47.3	1385.5	0.64	18.83
27.0-27.5	1920.1	48.2	1433.7	0.66	19.48
27.5-28.0	1919.2	49.0	1482.7	0.67	20.15
28.0-28.5	1908.5	49.5	1532.2	0.67	20.82
28.5-29.0	1890.4	49.9	1582.0	0.68	21.50
29.0-29.5	1872.6	50.2	1632.2	0.68	22.18
29.5-30.0	1860.5	50.6	1682.8	0.69	22.87
30.0-30.5	1850.7	51.1	1734.0	0.69	23.56
30.5-31.0	1834.8	51.4	1785.4	0.70	24.26
31.0-31.5	1809.6	51.5	1836.9	0.70	24.96
31.5-32.0	1779.3	51.3	1888.2	0.70	25.66
32.0-32.5	1746.5	51.1	1939.3	0.69	26.35
32.5-33.0	1715.1	50.9	1990.2	0.69	27.04
33.0-33.5	1687.0	50.7	2040.9	0.69	27.73
33.5-34.0	1661.0	50.6	2091.5	0.69	28.42
34.0-34.5	1642.6	50.7	2142.2	0.69	29.11
34.5-35.0	1639.0	51.2	2193.4	0.70	29.80
35.0-35.5	1646.2	52.1	2245.5	0.71	30.51
35.5-36.0	1658.4	53.1	2298.6	0.72	31.23

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

Gamma Plane (°):0.0-180.0:0.5
 Test Device: GPM-1600L
 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 [%]
36.0-36.5	1667.9	54.1	2352.7	0.73	31.97
36.5-37.0	1668.6	54.7	2407.4	0.74	32.71
37.0-37.5	1660.3	55.1	2462.6	0.75	33.46
37.5-38.0	1648.0	55.3	2517.9	0.75	34.21
38.0-38.5	1628.0	55.3	2573.1	0.75	34.96
38.5-39.0	1598.8	54.9	2628.0	0.75	35.71
39.0-39.5	1562.1	54.2	2682.2	0.74	36.45
39.5-40.0	1537.6	53.9	2736.1	0.73	37.18
40.0-40.5	1523.1	54.0	2790.1	0.73	37.91
40.5-41.0	1499.6	53.7	2843.7	0.73	38.64
41.0-41.5	1474.1	53.3	2897.0	0.72	39.36
41.5-42.0	1447.2	52.8	2949.9	0.72	40.08
42.0-42.5	1427.6	52.6	3002.5	0.72	40.80
42.5-43.0	1415.4	52.7	3055.2	0.72	41.51
43.0-43.5	1404.6	52.8	3108.0	0.72	42.23
43.5-44.0	1398.5	53.0	3161.0	0.72	42.95
44.0-44.5	1400.1	53.6	3214.6	0.73	43.68
44.5-45.0	1408.8	54.4	3268.9	0.74	44.42
45.0-45.5	1412.1	55.0	3323.9	0.75	45.17
45.5-46.0	1405.5	55.2	3379.1	0.75	45.92
46.0-46.5	1397.8	55.4	3434.5	0.75	46.67
46.5-47.0	1385.2	55.3	3489.8	0.75	47.42
47.0-47.5	1365.0	55.0	3544.8	0.75	48.17
47.5-48.0	1339.7	54.4	3599.1	0.74	48.90
48.0-48.5	1327.7	54.3	3653.5	0.74	49.64
48.5-49.0	1301.8	53.7	3707.1	0.73	50.37
49.0-49.5	1263.7	52.5	3759.6	0.71	51.09
49.5-50.0	1243.7	52.0	3811.7	0.71	51.79
50.0-50.5	1230.2	51.9	3863.5	0.70	52.50
50.5-51.0	1224.8	52.0	3915.5	0.71	53.20
51.0-51.5	1221.4	52.2	3967.8	0.71	53.91
51.5-52.0	1210.4	52.1	4019.9	0.71	54.62
52.0-52.5	1198.0	51.9	4071.8	0.71	55.33
52.5-53.0	1194.5	52.1	4124.0	0.71	56.04
53.0-53.5	1191.2	52.3	4176.3	0.71	56.75
53.5-54.0	1192.1	52.7	4229.0	0.72	57.46

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-1600L
 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 [%]
54.0-54.5	1199.8	53.4	4282.4	0.73	58.19
54.5-55.0	1196.8	53.6	4336.0	0.73	58.92
55.0-55.5	1193.5	53.8	4389.7	0.73	59.65
55.5-56.0	1191.7	54.0	4443.8	0.73	60.38
56.0-56.5	1177.7	53.7	4497.4	0.73	61.11
56.5-57.0	1155.8	53.0	4550.4	0.72	61.83
57.0-57.5	1128.5	52.0	4602.5	0.71	62.54
57.5-58.0	1105.2	51.2	4653.7	0.70	63.23
58.0-58.5	1092.0	50.9	4704.7	0.69	63.93
58.5-59.0	1098.8	51.5	4756.2	0.70	64.63
59.0-59.5	1091.6	51.4	4807.6	0.70	65.33
59.5-60.0	1065.8	50.5	4858.1	0.69	66.01
60.0-60.5	1056.0	50.3	4908.3	0.68	66.69
60.5-61.0	1054.4	50.4	4958.8	0.69	67.38
61.0-61.5	1054.4	50.7	5009.5	0.69	68.07
61.5-62.0	1051.0	50.8	5060.2	0.69	68.76
62.0-62.5	1046.0	50.8	5111.0	0.69	69.45
62.5-63.0	1048.0	51.1	5162.1	0.69	70.14
63.0-63.5	1050.4	51.4	5213.5	0.70	70.84
63.5-64.0	1060.7	52.2	5265.7	0.71	71.55
64.0-64.5	1072.6	53.0	5318.6	0.72	72.27
64.5-65.0	1070.9	53.1	5371.8	0.72	72.99
65.0-65.5	1064.0	53.0	5424.7	0.72	73.71
65.5-66.0	1048.1	52.4	5477.1	0.71	74.42
66.0-66.5	1022.4	51.3	5528.4	0.70	75.12
66.5-67.0	988.9	49.8	5578.3	0.68	75.80
67.0-67.5	966.3	48.9	5627.1	0.66	76.46
67.5-68.0	954.7	48.4	5675.6	0.66	77.12
68.0-68.5	940.0	47.9	5723.4	0.65	77.77
68.5-69.0	926.3	47.3	5770.8	0.64	78.41
69.0-69.5	913.8	46.9	5817.6	0.64	79.05
69.5-70.0	904.1	46.5	5864.1	0.63	79.68
70.0-70.5	897.5	46.3	5910.5	0.63	80.31
70.5-71.0	896.9	46.4	5956.9	0.63	80.94
71.0-71.5	901.2	46.8	6003.7	0.64	81.58
71.5-72.0	904.1	47.1	6050.8	0.64	82.22

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

Gamma Plane (°):0.0-180.0:0.5
 Test Device: GPM-1600L
 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 [%]
72.0-72.5	902.9	47.2	6097.9	0.64	82.86
72.5-73.0	898.7	47.1	6145.0	0.64	83.50
73.0-73.5	891.8	46.8	6191.8	0.64	84.13
73.5-74.0	873.6	46.0	6237.8	0.62	84.76
74.0-74.5	854.5	45.1	6282.9	0.61	85.37
74.5-75.0	843.6	44.6	6327.5	0.61	85.98
75.0-75.5	830.4	44.0	6371.5	0.60	86.58
75.5-76.0	812.7	43.2	6414.7	0.59	87.16
76.0-76.5	781.9	41.6	6456.4	0.57	87.73
76.5-77.0	758.8	40.5	6496.9	0.55	88.28
77.0-77.5	745.7	39.9	6536.7	0.54	88.82
77.5-78.0	725.3	38.9	6575.6	0.53	89.35
78.0-78.5	704.5	37.8	6613.4	0.51	89.86
78.5-79.0	680.0	36.6	6650.0	0.50	90.36
79.0-79.5	656.1	35.3	6685.3	0.48	90.84
79.5-80.0	636.5	34.3	6719.7	0.47	91.31
80.0-80.5	618.6	33.4	6753.1	0.45	91.76
80.5-81.0	599.1	32.4	6785.5	0.44	92.20
81.0-81.5	576.7	31.3	6816.8	0.42	92.63
81.5-82.0	551.9	29.9	6846.7	0.41	93.03
82.0-82.5	524.2	28.5	6875.2	0.39	93.42
82.5-83.0	498.3	27.1	6902.3	0.37	93.79
83.0-83.5	480.3	26.2	6928.5	0.36	94.14
83.5-84.0	463.5	25.3	6953.7	0.34	94.49
84.0-84.5	443.4	24.2	6977.9	0.33	94.82
84.5-85.0	424.8	23.2	7001.1	0.32	95.13
85.0-85.5	404.5	22.1	7023.2	0.30	95.43
85.5-86.0	379.7	20.8	7044.0	0.28	95.71
86.0-86.5	358.7	19.6	7063.6	0.27	95.98
86.5-87.0	341.2	18.7	7082.3	0.25	96.23
87.0-87.5	321.4	17.6	7099.9	0.24	96.47
87.5-88.0	302.0	16.5	7116.4	0.22	96.70
88.0-88.5	286.9	15.7	7132.2	0.21	96.91
88.5-89.0	273.3	15.0	7147.1	0.20	97.11
89.0-89.5	258.1	14.1	7161.3	0.19	97.31
89.5-90.0	243.4	13.3	7174.6	0.18	97.49

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-1600L
 Distance: 8.567 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	228.4	12.5	7187.2	0.17	97.66
90.5-91.0	212.6	11.7	7198.8	0.16	97.82
91.0-91.5	197.9	10.9	7209.7	0.15	97.96
91.5-92.0	185.5	10.2	7219.8	0.14	98.10
92.0-92.5	175.1	9.6	7229.4	0.13	98.23
92.5-93.0	163.8	9.0	7238.4	0.12	98.35
93.0-93.5	153.4	8.4	7246.8	0.11	98.47
93.5-94.0	141.5	7.7	7254.5	0.11	98.57
94.0-94.5	128.4	7.0	7261.5	0.10	98.67
94.5-95.0	118.4	6.5	7268.0	0.09	98.76
95.0-95.5	110.1	6.0	7274.0	0.08	98.84
95.5-96.0	103.7	5.7	7279.7	0.08	98.92
96.0-96.5	96.9	5.3	7285.0	0.07	98.99
96.5-97.0	90.2	4.9	7289.9	0.07	99.05
97.0-97.5	81.7	4.4	7294.3	0.06	99.11
97.5-98.0	72.9	4.0	7298.3	0.05	99.17
98.0-98.5	66.4	3.6	7301.9	0.05	99.22
98.5-99.0	60.4	3.3	7305.2	0.04	99.26
99.0-99.5	55.7	3.0	7308.2	0.04	99.30
99.5-100.0	50.7	2.7	7310.9	0.04	99.34
100.0-100.5	46.7	2.5	7313.4	0.03	99.37
100.5-101.0	41.4	2.2	7315.7	0.03	99.40
101.0-101.5	36.3	2.0	7317.6	0.03	99.43
101.5-102.0	34.0	1.8	7319.4	0.02	99.46
102.0-102.5	32.0	1.7	7321.2	0.02	99.48
102.5-103.0	29.8	1.6	7322.8	0.02	99.50
103.0-103.5	27.3	1.5	7324.2	0.02	99.52
103.5-104.0	25.0	1.3	7325.5	0.02	99.54
104.0-104.5	21.6	1.1	7326.7	0.02	99.55
104.5-105.0	18.7	1.0	7327.7	0.01	99.57
105.0-105.5	16.2	0.9	7328.5	0.01	99.58
105.5-106.0	14.2	0.7	7329.3	0.01	99.59
106.0-106.5	13.3	0.7	7330.0	0.01	99.60
106.5-107.0	12.5	0.7	7330.6	0.01	99.61
107.0-107.5	11.6	0.6	7331.3	0.01	99.62
107.5-108.0	10.8	0.6	7331.8	0.01	99.62

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-1600L
 Distance: 8.567 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	9.8	0.5	7332.3	0.01	99.63
108.5-109.0	8.5	0.4	7332.8	0.01	99.64
109.0-109.5	7.8	0.4	7333.2	0.01	99.64
109.5-110.0	7.6	0.4	7333.6	0.01	99.65
110.0-110.5	7.4	0.4	7334.0	0.01	99.65
110.5-111.0	7.2	0.4	7334.3	0.00	99.66
111.0-111.5	7.0	0.4	7334.7	0.00	99.66
111.5-112.0	6.9	0.4	7335.0	0.00	99.67
112.0-112.5	6.6	0.3	7335.4	0.00	99.67
112.5-113.0	6.5	0.3	7335.7	0.00	99.68
113.0-113.5	6.4	0.3	7336.0	0.00	99.68
113.5-114.0	6.3	0.3	7336.3	0.00	99.69
114.0-114.5	6.3	0.3	7336.6	0.00	99.69
114.5-115.0	6.2	0.3	7337.0	0.00	99.69
115.0-115.5	6.0	0.3	7337.3	0.00	99.70
115.5-116.0	6.0	0.3	7337.6	0.00	99.70
116.0-116.5	5.9	0.3	7337.8	0.00	99.71
116.5-117.0	5.7	0.3	7338.1	0.00	99.71
117.0-117.5	5.5	0.3	7338.4	0.00	99.71
117.5-118.0	5.5	0.3	7338.7	0.00	99.72
118.0-118.5	5.6	0.3	7338.9	0.00	99.72
118.5-119.0	5.6	0.3	7339.2	0.00	99.72
119.0-119.5	5.5	0.3	7339.5	0.00	99.73
119.5-120.0	5.5	0.3	7339.7	0.00	99.73
120.0-120.5	5.5	0.3	7340.0	0.00	99.73
120.5-121.0	5.5	0.3	7340.2	0.00	99.74
121.0-121.5	5.5	0.3	7340.5	0.00	99.74
121.5-122.0	5.4	0.3	7340.7	0.00	99.75
122.0-122.5	5.5	0.3	7341.0	0.00	99.75
122.5-123.0	5.5	0.3	7341.3	0.00	99.75
123.0-123.5	5.4	0.2	7341.5	0.00	99.76
123.5-124.0	5.5	0.2	7341.7	0.00	99.76
124.0-124.5	5.5	0.2	7342.0	0.00	99.76
124.5-125.0	5.5	0.2	7342.2	0.00	99.77
125.0-125.5	5.5	0.2	7342.5	0.00	99.77
125.5-126.0	5.6	0.2	7342.7	0.00	99.77

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-1600L
 Distance: 8.567 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	5.5	0.2	7343.0	0.00	99.78
126.5-127.0	5.6	0.2	7343.2	0.00	99.78
127.0-127.5	5.6	0.2	7343.5	0.00	99.78
127.5-128.0	5.6	0.2	7343.7	0.00	99.79
128.0-128.5	5.7	0.2	7344.0	0.00	99.79
128.5-129.0	5.7	0.2	7344.2	0.00	99.79
129.0-129.5	5.7	0.2	7344.5	0.00	99.80
129.5-130.0	5.8	0.2	7344.7	0.00	99.80
130.0-130.5	5.8	0.2	7344.9	0.00	99.80
130.5-131.0	5.8	0.2	7345.2	0.00	99.81
131.0-131.5	5.9	0.2	7345.4	0.00	99.81
131.5-132.0	5.9	0.2	7345.7	0.00	99.81
132.0-132.5	5.9	0.2	7345.9	0.00	99.82
132.5-133.0	5.9	0.2	7346.1	0.00	99.82
133.0-133.5	6.1	0.2	7346.4	0.00	99.82
133.5-134.0	6.0	0.2	7346.6	0.00	99.83
134.0-134.5	6.1	0.2	7346.9	0.00	99.83
134.5-135.0	6.1	0.2	7347.1	0.00	99.83
135.0-135.5	6.1	0.2	7347.3	0.00	99.83
135.5-136.0	6.1	0.2	7347.6	0.00	99.84
136.0-136.5	6.2	0.2	7347.8	0.00	99.84
136.5-137.0	6.2	0.2	7348.0	0.00	99.84
137.0-137.5	6.1	0.2	7348.3	0.00	99.85
137.5-138.0	6.1	0.2	7348.5	0.00	99.85
138.0-138.5	6.2	0.2	7348.7	0.00	99.85
138.5-139.0	6.1	0.2	7348.9	0.00	99.86
139.0-139.5	6.2	0.2	7349.2	0.00	99.86
139.5-140.0	6.2	0.2	7349.4	0.00	99.86
140.0-140.5	6.2	0.2	7349.6	0.00	99.87
140.5-141.0	6.3	0.2	7349.8	0.00	99.87
141.0-141.5	6.3	0.2	7350.0	0.00	99.87
141.5-142.0	6.3	0.2	7350.2	0.00	99.87
142.0-142.5	6.3	0.2	7350.5	0.00	99.88
142.5-143.0	6.2	0.2	7350.7	0.00	99.88
143.0-143.5	6.2	0.2	7350.9	0.00	99.88
143.5-144.0	6.3	0.2	7351.1	0.00	99.89

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

Gamma Plane (°):0.0-180.0:0.5
 Test Device: GPM-1600L
 Distance: 8.567 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	6.6	0.2	7351.3	0.00	99.89
144.5-145.0	6.6	0.2	7351.5	0.00	99.89
145.0-145.5	6.5	0.2	7351.7	0.00	99.89
145.5-146.0	6.6	0.2	7351.9	0.00	99.90
146.0-146.5	6.6	0.2	7352.1	0.00	99.90
146.5-147.0	6.6	0.2	7352.3	0.00	99.90
147.0-147.5	6.7	0.2	7352.5	0.00	99.90
147.5-148.0	6.7	0.2	7352.7	0.00	99.91
148.0-148.5	6.8	0.2	7352.9	0.00	99.91
148.5-149.0	6.9	0.2	7353.1	0.00	99.91
149.0-149.5	7.0	0.2	7353.3	0.00	99.92
149.5-150.0	7.1	0.2	7353.5	0.00	99.92
150.0-150.5	7.0	0.2	7353.7	0.00	99.92
150.5-151.0	6.8	0.2	7353.8	0.00	99.92
151.0-151.5	6.7	0.2	7354.0	0.00	99.93
151.5-152.0	6.7	0.2	7354.2	0.00	99.93
152.0-152.5	6.7	0.2	7354.4	0.00	99.93
152.5-153.0	6.8	0.2	7354.5	0.00	99.93
153.0-153.5	6.9	0.2	7354.7	0.00	99.93
153.5-154.0	6.8	0.2	7354.9	0.00	99.94
154.0-154.5	6.7	0.2	7355.0	0.00	99.94
154.5-155.0	6.8	0.2	7355.2	0.00	99.94
155.0-155.5	6.9	0.2	7355.4	0.00	99.94
155.5-156.0	7.1	0.2	7355.5	0.00	99.95
156.0-156.5	7.1	0.2	7355.7	0.00	99.95
156.5-157.0	7.0	0.2	7355.8	0.00	99.95
157.0-157.5	7.0	0.1	7356.0	0.00	99.95
157.5-158.0	7.1	0.1	7356.1	0.00	99.95
158.0-158.5	7.2	0.1	7356.3	0.00	99.96
158.5-159.0	7.3	0.1	7356.4	0.00	99.96
159.0-159.5	7.2	0.1	7356.5	0.00	99.96
159.5-160.0	7.1	0.1	7356.7	0.00	99.96
160.0-160.5	7.2	0.1	7356.8	0.00	99.96
160.5-161.0	7.1	0.1	7356.9	0.00	99.97
161.0-161.5	7.1	0.1	7357.1	0.00	99.97
161.5-162.0	7.2	0.1	7357.2	0.00	99.97

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-1600L
 Distance: 8.567 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	7.3	0.1	7357.3	0.00	99.97
162.5-163.0	7.5	0.1	7357.4	0.00	99.97
163.0-163.5	7.5	0.1	7357.5	0.00	99.97
163.5-164.0	7.5	0.1	7357.7	0.00	99.98
164.0-164.5	7.4	0.1	7357.8	0.00	99.98
164.5-165.0	7.3	0.1	7357.9	0.00	99.98
165.0-165.5	7.3	0.1	7358.0	0.00	99.98
165.5-166.0	7.5	0.1	7358.1	0.00	99.98
166.0-166.5	7.6	0.1	7358.2	0.00	99.98
166.5-167.0	7.5	0.1	7358.3	0.00	99.98
167.0-167.5	7.4	0.1	7358.4	0.00	99.98
167.5-168.0	7.4	0.1	7358.5	0.00	99.99
168.0-168.5	7.5	0.1	7358.5	0.00	99.99
168.5-169.0	7.6	0.1	7358.6	0.00	99.99
169.0-169.5	7.7	0.1	7358.7	0.00	99.99
169.5-170.0	7.7	0.1	7358.8	0.00	99.99
170.0-170.5	7.8	0.1	7358.8	0.00	99.99
170.5-171.0	7.8	0.1	7358.9	0.00	99.99
171.0-171.5	7.8	0.1	7359.0	0.00	99.99
171.5-172.0	7.7	0.1	7359.0	0.00	99.99
172.0-172.5	7.6	0.1	7359.1	0.00	99.99
172.5-173.0	7.6	0.1	7359.1	0.00	100.00
173.0-173.5	7.7	0.0	7359.2	0.00	100.00
173.5-174.0	7.8	0.0	7359.2	0.00	100.00
174.0-174.5	7.9	0.0	7359.3	0.00	100.00
174.5-175.0	7.8	0.0	7359.3	0.00	100.00
175.0-175.5	7.9	0.0	7359.4	0.00	100.00
175.5-176.0	7.9	0.0	7359.4	0.00	100.00
176.0-176.5	7.9	0.0	7359.4	0.00	100.00
176.5-177.0	7.9	0.0	7359.4	0.00	100.00
177.0-177.5	7.8	0.0	7359.5	0.00	100.00
177.5-178.0	7.7	0.0	7359.5	0.00	100.00
178.0-178.5	7.7	0.0	7359.5	0.00	100.00
178.5-179.0	7.7	0.0	7359.5	0.00	100.00
179.0-179.5	7.8	0.0	7359.5	0.00	100.00
179.5-180.0	7.8	0.0	7359.5	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-1600L
 Distance: 8.567 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	2024.3	2015.2	2045.8	2151.7	2024.3	2015.2	2045.8	2151.7	2024.3	
G0.5	2016.4	2009.8	2087.8	2169.7	2025.8	2004.2	2006.3	2125.3	2016.4	
G1.0	2014.9	2015.8	2146.8	2181.4	2021.8	1961.8	2013.3	2085.8	2014.9	
G1.5	2018.1	2041.6	2166.3	2210.8	2024.7	1932.3	2001.9	2047.4	2018.1	
G2.0	2013.4	2060.7	2191.2	2260.0	2021.1	1913.4	1942.1	2021.5	2013.4	
G2.5	2012.2	2093.9	2234.6	2304.3	2022.1	1879.4	1909.6	2005.3	2012.2	
G3.0	2012.1	2137.7	2298.0	2354.0	2018.1	1859.2	1872.9	2004.6	2012.1	
G3.5	2004.8	2155.6	2357.0	2384.5	2013.8	1853.3	1853.7	2006.2	2004.8	
G4.0	2004.8	2167.6	2361.0	2363.0	2020.4	1831.3	1830.9	1966.8	2004.8	
G4.5	1996.3	2193.2	2341.1	2350.9	2018.9	1793.3	1766.2	1932.4	1996.3	
G5.0	1993.4	2211.3	2353.0	2344.2	2014.4	1752.1	1738.2	1909.7	1993.4	
G5.5	1997.0	2241.5	2392.9	2366.8	2008.1	1738.3	1706.0	1875.6	1997.0	
G6.0	1995.4	2288.9	2473.6	2405.0	2005.6	1717.8	1672.0	1848.8	1995.4	
G6.5	1995.6	2340.9	2562.9	2442.0	2001.9	1690.3	1639.2	1839.0	1995.6	
G7.0	1996.5	2366.5	2663.1	2501.9	1996.7	1665.5	1600.0	1829.5	1996.5	
G7.5	1992.9	2350.8	2593.8	2553.7	1999.4	1635.4	1574.4	1794.7	1992.9	
G8.0	1984.9	2340.8	2566.5	2577.3	2001.9	1609.3	1534.2	1742.1	1984.9	
G8.5	1977.1	2343.2	2667.3	2586.2	1994.6	1587.6	1498.2	1727.3	1977.1	
G9.0	1971.0	2354.1	2881.9	2593.7	1993.0	1565.2	1467.1	1703.6	1971.0	
G9.5	1961.4	2374.0	3059.2	2572.0	1987.0	1538.6	1436.1	1679.2	1961.4	
G10.0	1962.9	2409.3	3156.3	2611.1	1985.4	1514.4	1398.1	1661.2	1962.9	
G10.5	1958.0	2463.0	3054.8	2737.4	1982.1	1497.6	1368.2	1628.5	1958.0	
G11.0	1952.2	2516.6	2840.5	2854.6	1975.2	1473.7	1346.3	1606.2	1952.2	
G11.5	1959.7	2539.8	2699.0	2965.7	1965.8	1449.2	1325.0	1591.2	1959.7	
G12.0	1959.5	2559.9	2745.4	3045.4	1954.2	1432.2	1309.9	1561.0	1959.5	
G12.5	1942.7	2556.9	2915.3	3058.4	1944.3	1415.9	1287.4	1535.5	1942.7	
G13.0	1926.9	2554.1	3024.8	3013.5	1951.7	1390.5	1197.7	1509.4	1926.9	
G13.5	1924.2	2571.5	3090.7	2898.3	1951.7	1375.4	1251.9	1492.1	1924.2	
G14.0	1929.0	2674.1	3239.7	2781.2	1941.5	1358.7	1241.8	1467.0	1929.0	
G14.5	1920.0	2767.4	3306.1	2706.7	1938.6	1339.0	1230.1	1442.5	1920.0	
G15.0	1907.4	2829.1	3295.1	2682.6	1935.0	1330.0	1219.5	1421.3	1907.4	
G15.5	1895.6	2919.0	3255.2	2712.8	1931.5	1313.3	1213.8	1401.8	1895.6	
G16.0	1889.3	2957.5	3176.0	2794.3	1911.2	1303.5	1202.8	1376.5	1889.3	
G16.5	1882.0	2949.3	3089.4	2877.2	1886.6	1288.6	1188.7	1360.0	1882.0	
G17.0	1863.2	2879.8	3178.8	2965.3	1879.5	1274.1	1177.4	1340.0	1863.2	
G17.5	1848.8	2778.1	3079.0	3066.9	1869.7	1261.4	1152.7	1324.8	1848.8	
G18.0	1844.6	2676.4	3083.0	3146.9	1865.6	1250.7	1205.8	1313.6	1844.6	

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-1600L
 Distance: 8.567 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	1848.8	2640.0	3076.7	3169.2	1856.2	1240.1	1147.0	1303.1	1848.8	
G19.0	1838.1	2643.7	3134.8	3150.5	1838.9	1232.2	1129.1	1288.1	1838.1	
G19.5	1828.4	2677.0	3242.8	3119.3	1832.8	1222.7	1116.9	1274.8	1828.4	
G20.0	1809.0	2741.8	3390.5	3082.1	1826.7	1215.1	1105.3	1260.8	1809.0	
G20.5	1791.5	2824.4	3443.7	3036.1	1816.4	1203.4	1090.8	1249.4	1791.5	
G21.0	1784.3	2908.9	3398.8	2955.4	1804.0	1190.7	1079.9	1236.0	1784.3	
G21.5	1765.9	2985.1	3351.8	2891.9	1786.4	1183.6	1068.2	1226.5	1765.9	
G22.0	1750.7	3009.1	3351.9	2841.9	1770.6	1170.6	1058.8	1218.7	1750.7	
G22.5	1729.1	3004.4	3300.0	2825.7	1765.3	1156.9	1053.5	1206.4	1729.1	
G23.0	1721.9	2981.1	3226.5	2831.0	1748.2	1146.7	1041.9	1194.8	1721.9	
G23.5	1719.7	2956.2	3149.6	2858.9	1735.4	1132.2	1027.8	1185.5	1719.7	
G24.0	1707.5	2922.5	3107.2	2877.2	1720.5	1121.8	1013.6	1172.5	1707.5	
G24.5	1701.5	2860.6	3119.8	2897.2	1705.7	1109.6	999.2	1163.5	1701.5	
G25.0	1686.0	2804.1	3101.7	2946.1	1696.1	1093.9	983.3	1149.4	1686.0	
G25.5	1665.5	2762.8	3076.6	2998.9	1682.6	1084.1	962.8	1137.6	1665.5	
G26.0	1657.3	2734.0	3070.3	3067.7	1667.5	1070.4	945.8	1127.9	1657.3	
G26.5	1645.9	2720.2	3075.3	3137.2	1657.0	1054.4	929.5	1111.3	1645.9	
G27.0	1629.0	2727.4	3133.1	3162.5	1630.5	1041.2	910.2	1105.2	1629.0	
G27.5	1610.0	2754.4	3229.8	3166.8	1615.9	1026.0	894.3	1086.0	1610.0	
G28.0	1595.1	2782.6	3242.9	3138.3	1602.9	1015.0	874.8	1072.4	1595.1	
G28.5	1584.9	2808.6	3263.8	3057.9	1581.7	1002.2	853.9	1058.8	1584.9	
G29.0	1576.7	2850.9	3189.9	2975.2	1572.1	989.7	836.0	1043.5	1576.7	
G29.5	1556.1	2894.4	3219.3	2877.7	1553.0	979.3	817.8	1030.3	1556.1	
G30.0	1539.9	2940.7	3244.2	2823.5	1537.0	968.6	802.9	983.5	1539.9	
G30.5	1520.7	2974.8	3222.2	2789.0	1523.6	954.9	787.0	999.0	1520.7	
G31.0	1501.5	2984.7	3146.2	2747.8	1505.8	942.4	766.9	989.9	1501.5	
G31.5	1483.1	3001.0	3009.7	2719.6	1500.3	926.6	749.1	978.7	1483.1	
G32.0	1474.4	2977.1	2864.1	2692.6	1483.4	914.2	730.4	965.4	1474.4	
G32.5	1463.7	2918.5	2751.5	2680.8	1465.0	899.1	708.9	954.5	1463.7	
G33.0	1445.9	2855.3	2663.3	2668.0	1450.7	883.9	692.2	939.7	1445.9	
G33.5	1428.2	2767.0	2601.9	2661.0	1434.2	872.5	673.9	954.6	1428.2	
G34.0	1409.3	2701.1	2552.3	2673.0	1419.3	858.0	656.1	913.3	1409.3	
G34.5	1400.8	2660.9	2574.1	2671.7	1410.7	843.2	641.6	895.8	1400.8	
G35.0	1399.6	2624.9	2682.3	2687.4	1392.8	828.4	626.6	882.6	1399.6	
G35.5	1380.6	2592.1	2863.4	2700.9	1378.1	814.7	613.7	870.3	1380.6	
G36.0	1355.7	2563.6	3078.9	2707.5	1360.2	800.8	600.0	854.4	1355.7	
G36.5	1340.1	2550.9	3204.7	2717.8	1341.0	785.7	586.2	839.5	1340.1	

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-1600L
 Distance: 8.567 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	1323.2	2542.6	3247.3	2721.7	1329.3	771.0	576.4	820.7	1323.2	
G37.5	1313.6	2525.8	3228.3	2722.3	1314.4	755.2	565.8	806.8	1313.6	
G38.0	1294.9	2528.3	3146.8	2732.6	1297.9	742.3	560.2	833.0	1294.9	
G38.5	1283.3	2539.0	3049.7	2697.3	1285.2	727.2	551.8	779.0	1283.3	
G39.0	1266.4	2564.7	2886.8	2663.6	1271.8	712.4	538.7	763.5	1266.4	
G39.5	1252.6	2590.2	2655.7	2596.5	1257.2	698.8	527.6	747.9	1252.6	
G40.0	1240.1	2608.1	2697.2	2552.3	1240.4	684.2	517.4	736.0	1240.1	
G40.5	1224.6	2608.2	2624.1	2512.1	1226.3	671.4	508.3	718.3	1224.6	
G41.0	1212.3	2579.3	2574.9	2462.1	1213.1	655.7	498.2	704.7	1212.3	
G41.5	1195.1	2545.6	2534.3	2405.4	1191.9	640.7	485.1	687.1	1195.1	
G42.0	1133.5	2486.9	2547.1	2349.9	1175.7	627.7	473.1	675.9	1133.5	
G42.5	1156.5	2437.6	2566.9	2314.1	1160.6	611.4	464.1	661.1	1156.5	
G43.0	1140.2	2397.9	2585.2	2302.1	1149.5	599.6	455.0	645.4	1140.2	
G43.5	1131.1	2353.3	2625.3	2293.1	1136.4	583.6	443.9	632.2	1131.1	
G44.0	1125.8	2330.5	2686.0	2289.9	1120.9	572.2	435.1	617.2	1125.8	
G44.5	1105.5	2312.1	2785.1	2330.2	1104.8	559.8	422.1	603.8	1105.5	
G45.0	1091.9	2288.0	2911.1	2326.6	1150.3	545.6	413.6	589.9	1091.9	
G45.5	1080.6	2251.7	3041.2	2313.3	1077.8	532.0	404.5	575.8	1080.6	
G46.0	1066.6	2217.6	3111.7	2300.3	1062.3	520.0	395.5	537.6	1066.6	
G46.5	1047.4	2202.3	3123.2	2293.1	1047.8	505.7	386.8	546.7	1047.4	
G47.0	1034.8	2184.0	3079.7	2274.7	1031.8	495.4	376.1	533.5	1034.8	
G47.5	1016.2	2167.0	2987.6	2271.5	1021.5	482.3	364.4	520.0	1016.2	
G48.0	1002.2	2144.4	2881.6	2240.6	1006.8	469.5	351.2	509.0	1002.2	
G48.5	985.3	2134.5	3000.1	2232.8	992.5	457.3	339.2	495.5	985.3	
G49.0	973.5	2126.4	2666.3	2203.1	970.5	444.8	328.0	478.4	973.5	
G49.5	960.2	2121.4	2603.3	2171.1	955.0	434.4	313.6	469.3	960.2	
G50.0	946.1	2125.0	2538.9	2137.5	941.2	423.3	302.4	457.0	946.1	
G50.5	937.3	2129.5	2547.2	2121.6	928.8	410.7	291.9	444.5	937.3	
G51.0	920.5	2130.2	2573.2	2120.9	919.9	401.4	286.5	433.3	920.5	
G51.5	904.9	2119.5	2602.8	2147.2	905.5	388.3	266.7	421.7	904.9	
G52.0	882.7	2108.6	2639.5	2042.4	892.0	379.4	257.0	408.7	882.7	
G52.5	867.3	2089.9	2650.6	2063.5	876.2	369.4	242.9	398.3	867.3	
G53.0	854.1	2073.0	2673.1	2115.3	863.0	357.9	230.5	387.7	854.1	
G53.5	843.1	2081.7	2817.6	1968.6	849.3	347.5	221.1	376.0	843.1	
G54.0	834.0	2103.7	2948.8	1934.2	834.3	337.2	210.3	365.6	834.0	
G54.5	820.1	2093.8	3088.7	1915.3	821.5	327.0	201.9	359.5	820.1	
G55.0	808.9	2022.5	3217.1	1810.4	808.3	317.2	191.5	344.2	808.9	

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-1600L
 Distance: 8.567 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	793.0	1949.7	3316.5	1896.6	797.2	305.4	183.1	334.3	793.0	
G56.0	779.7	1891.4	3346.0	1894.2	784.9	296.1	175.0	324.4	779.7	
G56.5	766.3	1847.3	3300.4	1901.4	771.8	286.2	164.6	313.7	766.3	
G57.0	754.4	1792.7	3187.8	1910.9	758.8	275.7	157.2	303.3	754.4	
G57.5	741.1	1757.8	3040.3	1926.9	742.2	265.9	147.3	293.0	741.1	
G58.0	728.8	1741.2	2947.4	1943.3	731.0	255.7	137.7	283.2	728.8	
G58.5	714.1	1738.5	2887.1	2001.3	718.8	245.4	127.5	271.6	714.1	
G59.0	704.3	1732.4	3099.5	2023.2	703.1	235.7	115.8	261.8	704.3	
G59.5	692.8	1727.6	2875.0	2001.7	692.5	225.5	104.8	270.0	692.8	
G60.0	677.6	1744.3	2889.3	1921.6	678.7	215.4	93.4	242.2	677.6	
G60.5	665.5	1777.6	2931.8	1868.5	666.5	205.9	84.0	233.1	665.5	
G61.0	651.9	1842.4	2961.3	1836.3	653.4	196.6	71.5	223.4	651.9	
G61.5	639.4	1884.1	3007.2	1806.8	638.8	187.4	56.7	213.5	639.4	
G62.0	626.3	1839.9	3072.4	1792.6	624.8	176.4	45.6	204.2	626.3	
G62.5	611.3	1757.8	3208.7	1766.7	612.3	168.0	34.1	194.3	611.3	
G63.0	598.4	1708.2	3394.8	1747.1	596.5	158.8	26.5	185.2	598.4	
G63.5	581.8	1678.9	3602.7	1599.0	583.7	149.1	20.1	175.9	581.8	
G64.0	569.2	1663.4	3752.3	1710.0	569.2	140.0	13.8	162.0	569.2	
G64.5	551.9	1655.2	3821.9	1702.0	554.6	130.9	8.0	157.8	551.9	
G65.0	540.0	1637.3	3812.3	1747.3	541.5	121.8	2.3	149.0	540.0	
G65.5	526.6	1621.3	3771.4	1776.2	526.3	110.9	0.5	139.3	526.6	
G66.0	511.8	1615.5	3631.2	1797.8	511.9	99.0	0.5	129.8	511.8	
G66.5	497.8	1625.5	3430.7	1798.3	500.2	87.9	0.6	119.1	497.8	
G67.0	485.3	1640.0	3189.4	1776.4	485.8	77.3	0.6	107.8	485.3	
G67.5	471.4	1659.7	3175.2	1750.2	474.4	69.2	0.6	97.5	471.4	
G68.0	458.8	1677.8	3110.9	1722.5	460.4	59.2	0.6	86.3	458.8	
G68.5	445.2	1670.3	3083.5	1688.0	448.3	51.2	0.6	77.1	445.2	
G69.0	432.7	1649.2	3072.7	1657.6	433.2	44.0	0.8	66.4	432.7	
G69.5	418.4	1620.3	3077.6	1629.9	419.7	39.0	0.8	58.3	418.4	
G70.0	407.0	1581.8	3116.8	1603.5	405.0	34.3	0.9	52.0	407.0	
G70.5	392.3	1547.7	3167.6	1579.4	393.9	30.2	0.9	46.6	392.3	
G71.0	380.9	1519.4	3282.5	1557.7	380.5	28.8	0.9	41.8	380.9	
G71.5	366.1	1495.8	3390.6	1539.6	368.5	27.1	1.0	37.9	366.1	
G72.0	354.1	1473.8	3457.0	1535.4	356.2	25.1	1.2	35.4	354.1	
G72.5	341.7	1452.4	3476.7	1536.2	344.4	22.5	1.2	33.3	341.7	
G73.0	329.1	1445.5	3471.4	1538.3	331.6	21.7	1.4	31.5	329.1	
G73.5	317.4	1429.7	3437.5	1541.2	320.2	21.1	1.4	29.8	317.4	

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-1600L
 Distance: 8.567 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	305.0	1419.9	3260.5	1534.2	307.1	22.0	1.5	28.6	305.0	
G74.5	293.2	1405.8	3239.7	1508.1	296.1	21.5	1.7	27.6	293.2	
G75.0	282.4	1401.4	3206.5	1481.8	283.5	20.5	1.7	26.7	282.4	
G75.5	269.7	1399.0	3138.3	1454.9	272.4	19.8	1.8	25.6	269.7	
G76.0	258.6	1388.3	3042.4	1425.4	260.9	19.1	1.9	24.6	258.6	
G76.5	247.0	1372.8	2791.9	1383.8	250.2	18.4	2.1	23.4	247.0	
G77.0	236.9	1346.9	2860.7	1326.0	238.2	17.4	2.2	22.3	236.9	
G77.5	226.0	1321.6	2789.5	1276.0	227.9	16.6	2.3	21.3	226.0	
G78.0	214.5	1286.8	2746.0	1219.8	216.4	16.5	2.5	20.4	214.5	
G78.5	204.3	1242.1	2692.3	1167.0	205.6	16.2	2.6	18.5	204.3	
G79.0	193.2	1202.1	2585.4	1118.7	196.5	15.9	2.6	17.8	193.2	
G79.5	183.8	1154.7	2537.1	1068.6	186.1	15.8	2.8	17.4	183.8	
G80.0	173.6	1105.4	2498.2	1029.0	175.4	15.5	3.0	16.9	173.6	
G80.5	163.3	1064.9	2461.8	991.2	165.1	15.2	3.1	16.5	163.3	
G81.0	152.4	1020.6	2394.4	951.1	154.8	13.4	3.2	15.1	152.4	
G81.5	143.5	982.9	2301.5	916.6	145.0	12.9	3.3	15.6	143.5	
G82.0	133.0	946.4	2167.4	895.4	135.4	12.7	3.6	15.1	133.0	
G82.5	123.9	905.0	2048.6	842.6	127.1	12.3	3.7	14.9	123.9	
G83.0	114.1	868.6	1960.2	805.5	116.8	12.1	3.9	14.2	114.1	
G83.5	105.6	835.7	1902.3	808.2	107.8	11.8	3.9	13.8	105.6	
G84.0	96.6	803.9	1861.2	739.7	97.8	11.2	4.1	13.3	96.6	
G84.5	88.1	768.2	1792.3	702.0	88.6	11.1	4.3	12.9	88.1	
G85.0	80.1	734.4	1740.0	666.4	80.8	10.8	4.4	12.2	80.1	
G85.5	72.4	701.8	1636.1	630.9	74.1	10.3	4.6	12.1	72.4	
G86.0	64.9	666.3	1519.9	589.0	66.4	10.2	4.6	11.9	64.9	
G86.5	57.5	632.5	1473.6	557.1	58.8	9.9	4.9	11.5	57.5	
G87.0	50.9	594.5	1399.4	530.8	52.4	9.4	4.9	11.2	50.9	
G87.5	44.9	560.7	1308.0	502.2	45.6	10.9	5.3	10.9	44.9	
G88.0	38.5	531.7	1233.5	473.4	39.6	10.7	5.3	10.6	38.5	
G88.5	33.2	507.1	1196.4	451.5	32.2	10.4	5.3	10.3	33.2	
G89.0	31.8	480.4	1141.3	419.5	30.0	8.6	5.4	10.0	31.8	
G89.5	31.3	452.9	1066.3	398.2	29.3	8.3	5.5	9.9	31.3	
G90.0	30.5	431.5	1006.4	371.8	28.8	8.1	5.8	9.8	30.5	
G90.5	29.9	401.3	930.5	348.6	28.2	7.9	5.8	9.4	29.9	
G91.0	29.3	376.7	855.7	327.4	27.6	7.7	6.1	9.4	29.3	
G91.5	28.8	355.7	789.5	302.1	28.6	7.4	6.1	9.1	28.8	
G92.0	28.2	330.0	748.2	283.4	28.1	7.3	6.2	8.9	28.2	

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-1600L
 Distance: 8.567 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	28.2	308.9	711.7	262.3	27.6	7.0	6.4	8.8	28.2	
G93.0	27.1	286.2	656.5	240.9	27.1	6.8	6.4	8.5	27.1	
G93.5	26.6	264.2	628.9	226.6	26.6	6.7	6.6	8.1	26.6	
G94.0	26.1	245.7	541.1	207.1	26.3	7.9	6.7	8.1	26.1	
G94.5	25.9	226.8	494.9	190.2	25.3	7.8	6.8	7.9	25.9	
G95.0	25.0	210.5	455.9	172.3	23.7	7.5	6.9	7.7	25.0	
G95.5	24.4	198.3	428.6	155.2	23.2	7.3	7.1	7.5	24.4	
G96.0	24.0	180.7	415.6	142.2	22.6	7.4	7.2	7.3	24.0	
G96.5	23.5	163.3	384.4	126.2	23.8	7.2	7.3	7.2	23.5	
G97.0	22.9	146.4	374.9	110.6	23.4	7.3	7.3	7.1	22.9	
G97.5	22.5	130.1	312.1	98.5	22.8	7.3	7.5	6.9	22.5	
G98.0	22.1	116.8	296.2	81.6	21.0	7.0	7.6	6.8	22.1	
G98.5	21.7	101.6	268.4	70.4	20.4	7.1	7.7	6.7	21.7	
G99.0	21.3	86.1	254.5	59.2	19.9	7.1	7.9	6.7	21.3	
G99.5	19.9	74.9	240.3	51.3	20.9	7.1	8.0	6.7	19.9	
G100.0	19.6	60.1	216.1	44.0	20.5	7.0	8.1	6.7	19.6	
G100.5	19.7	52.2	213.3	38.0	19.9	7.0	8.1	6.6	19.7	
G101.0	19.1	44.7	161.1	33.3	17.8	7.0	8.2	6.6	19.1	
G101.5	18.6	37.7	157.5	30.3	17.2	6.8	8.4	6.4	18.6	
G102.0	17.9	33.5	145.3	26.1	16.7	7.0	8.5	6.6	17.9	
G102.5	17.6	29.7	140.6	22.1	17.7	6.9	8.6	6.6	17.6	
G103.0	17.0	24.9	126.5	19.7	17.1	6.8	8.8	6.6	17.0	
G103.5	16.2	21.1	114.3	17.6	16.5	7.8	9.3	7.1	16.2	
G104.0	16.0	18.0	102.0	16.0	16.1	7.0	9.0	6.6	16.0	
G104.5	15.4	16.1	71.1	14.6	15.4	6.9	9.1	6.6	15.4	
G105.0	14.9	14.5	62.8	13.5	14.9	7.0	9.1	6.6	14.9	
G105.5	14.4	13.0	39.7	12.5	14.2	7.0	9.3	6.6	14.4	
G106.0	13.8	12.0	35.7	11.7	13.7	7.1	9.5	6.6	13.8	
G106.5	13.3	11.0	31.2	10.9	13.3	7.1	9.5	6.6	13.3	
G107.0	12.9	10.1	27.0	10.7	12.6	7.1	9.8	6.7	12.9	
G107.5	12.3	9.3	21.8	9.7	12.8	6.9	9.9	6.7	12.3	
G108.0	12.9	8.7	17.4	9.1	11.9	7.1	10.0	6.8	12.9	
G108.5	11.3	8.1	9.8	8.8	11.7	7.1	10.3	6.3	11.3	
G109.0	11.0	7.6	0.4	8.4	11.1	7.0	10.3	6.9	11.0	
G109.5	10.5	7.2	0.4	8.0	11.2	7.2	10.4	6.9	10.5	
G110.0	10.1	6.7	0.5	7.6	10.3	7.4	10.6	6.9	10.1	
G110.5	9.7	6.3	0.5	7.7	9.7	7.1	10.7	6.9	9.7	

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-1600L
 Distance: 8.567 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	9.4	5.9	0.5	6.3	8.9	7.3	10.8	7.1	9.4	
G111.5	9.0	5.5	0.5	6.3	9.3	7.8	10.9	7.2	9.0	
G112.0	8.7	5.2	0.5	5.9	7.3	7.4	11.1	7.5	8.7	
G112.5	8.4	4.8	0.5	5.5	6.9	7.3	11.3	7.3	8.4	
G113.0	8.1	4.5	0.5	5.3	6.7	7.5	11.3	7.5	8.1	
G113.5	7.9	4.1	0.5	4.9	6.1	8.0	11.5	7.6	7.9	
G114.0	7.7	3.5	0.6	4.6	7.6	7.5	11.6	7.6	7.7	
G114.5	7.4	3.3	0.5	4.3	7.4	7.8	11.7	7.7	7.4	
G115.0	7.0	3.0	0.5	4.0	6.9	7.8	11.7	7.9	7.0	
G115.5	6.9	2.5	0.5	3.5	6.9	7.8	12.0	7.9	6.9	
G116.0	6.7	2.6	0.6	3.1	6.6	7.9	12.1	8.0	6.7	
G116.5	6.3	2.2	0.6	2.8	6.3	8.0	12.5	8.0	6.3	
G117.0	6.4	1.5	0.6	2.6	4.6	8.1	12.4	8.0	6.4	
G117.5	6.1	1.4	0.5	2.5	4.5	8.4	12.6	8.2	6.1	
G118.0	6.4	1.2	0.6	2.2	4.3	8.2	12.6	8.4	6.4	
G118.5	5.9	1.0	0.8	2.2	5.8	8.6	12.8	8.5	5.9	
G119.0	5.8	0.8	0.6	1.9	5.0	8.3	12.9	8.5	5.8	
G119.5	5.6	0.6	0.8	1.8	5.4	8.3	13.0	8.6	5.6	
G120.0	5.2	0.5	0.6	1.8	5.3	8.3	13.1	8.8	5.2	
G120.5	5.2	0.4	0.8	1.8	5.2	8.4	13.3	8.9	5.2	
G121.0	5.2	0.4	0.8	1.7	5.1	8.5	13.3	8.9	5.2	
G121.5	4.9	0.3	0.8	1.5	5.0	8.5	13.4	9.0	4.9	
G122.0	5.0	0.2	0.8	1.5	4.9	8.4	13.4	9.0	5.0	
G122.5	4.9	0.1	0.8	1.7	4.9	8.7	13.5	9.8	4.9	
G123.0	4.7	0.1	0.9	1.7	4.7	8.7	13.5	9.3	4.7	
G123.5	4.8	0.2	0.8	1.5	4.8	8.6	13.6	9.1	4.8	
G124.0	4.8	0.1	0.9	1.7	4.6	8.8	13.6	9.4	4.8	
G124.5	4.7	0.2	0.9	1.8	4.4	8.9	13.9	9.4	4.7	
G125.0	4.6	0.3	0.9	1.7	4.6	8.5	13.9	9.5	4.6	
G125.5	4.6	0.2	0.9	1.7	4.5	9.1	13.9	9.5	4.6	
G126.0	4.6	0.2	1.0	1.7	4.3	9.1	13.9	9.7	4.6	
G126.5	4.5	0.2	0.9	1.8	4.4	9.3	13.5	9.8	4.5	
G127.0	4.5	0.3	0.9	1.8	4.5	9.2	13.9	9.8	4.5	
G127.5	4.0	0.3	1.0	1.8	4.3	9.3	14.0	9.9	4.0	
G128.0	4.4	0.1	1.0	1.8	4.4	9.5	14.0	9.9	4.4	
G128.5	4.5	0.4	1.0	1.9	4.5	9.3	14.0	10.0	4.5	
G129.0	4.6	0.4	1.2	1.8	4.5	9.4	14.0	10.0	4.6	

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-1600L
 Distance: 8.567 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	4.5	0.1	1.2	1.9	4.5	9.4	14.2	10.0	4.5	
G130.0	4.5	0.4	1.2	2.1	4.5	9.5	14.2	10.2	4.5	
G130.5	4.6	0.4	1.0	1.9	4.9	9.6	14.2	10.2	4.6	
G131.0	4.7	0.2	1.3	1.9	4.6	9.5	14.2	10.3	4.7	
G131.5	4.7	0.4	1.2	2.1	4.6	9.7	14.3	10.3	4.7	
G132.0	4.7	0.5	1.2	2.1	4.6	9.7	14.2	10.3	4.7	
G132.5	4.7	0.3	1.3	2.1	4.5	9.8	14.3	10.0	4.7	
G133.0	4.7	0.5	1.3	2.2	4.7	9.8	14.2	10.4	4.7	
G133.5	4.7	0.5	1.4	2.2	5.7	9.9	14.2	10.6	4.7	
G134.0	4.8	0.6	1.0	2.1	4.5	9.9	14.3	10.4	4.8	
G134.5	4.7	0.6	1.4	2.2	4.7	10.9	14.3	10.6	4.7	
G135.0	4.8	0.6	1.4	2.2	4.8	10.0	14.3	10.6	4.8	
G135.5	4.9	0.6	1.4	2.2	4.6	10.0	14.3	10.7	4.9	
G136.0	4.7	0.6	1.4	2.2	4.9	10.5	14.4	10.7	4.7	
G136.5	4.9	0.7	1.5	2.2	4.9	10.2	14.4	10.6	4.9	
G137.0	5.0	0.7	1.5	2.5	5.2	10.2	14.4	10.7	5.0	
G137.5	3.2	0.8	1.5	2.3	5.0	10.1	14.3	10.7	3.2	
G138.0	3.5	0.8	1.5	2.5	6.0	10.3	14.3	10.8	3.5	
G138.5	3.6	0.8	1.7	2.5	5.3	10.1	14.4	10.7	3.6	
G139.0	3.8	0.8	1.5	2.5	5.2	10.2	14.4	10.8	3.8	
G139.5	5.2	0.8	1.7	2.6	5.2	8.8	14.3	10.8	5.2	
G140.0	5.3	0.9	1.8	2.6	5.3	8.8	14.3	10.8	5.3	
G140.5	5.3	1.0	1.7	2.6	5.3	8.9	14.3	10.8	5.3	
G141.0	5.4	0.9	1.9	2.7	5.4	8.9	14.2	10.9	5.4	
G141.5	5.4	1.0	1.8	2.6	5.5	8.9	14.2	10.9	5.4	
G142.0	5.5	1.1	1.9	2.8	5.3	9.0	14.2	10.9	5.5	
G142.5	3.9	1.1	1.9	2.8	5.6	9.1	14.0	11.1	3.9	
G143.0	4.1	1.1	1.9	2.8	5.7	9.1	14.0	10.4	4.1	
G143.5	4.1	1.2	2.1	2.8	5.5	9.1	14.0	10.9	4.1	
G144.0	5.6	1.1	2.1	3.1	5.8	9.1	14.0	11.1	5.6	
G144.5	6.8	1.2	2.2	3.0	5.8	9.1	14.0	10.9	6.8	
G145.0	5.8	1.2	2.1	3.0	5.6	9.1	14.0	11.1	5.8	
G145.5	5.7	1.3	2.1	3.1	5.2	9.1	13.9	11.7	5.7	
G146.0	5.9	1.3	2.2	3.2	5.9	9.2	13.9	11.1	5.9	
G146.5	6.0	1.2	2.2	3.1	6.1	9.2	13.9	11.1	6.0	
G147.0	6.2	1.4	2.3	3.2	6.1	9.3	13.9	11.1	6.2	
G147.5	6.2	1.5	2.3	3.2	6.1	9.3	13.8	11.9	6.2	

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-1600L
 Distance: 8.567 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	6.1	1.3	2.5	3.3	6.2	9.3	13.8	11.1	6.1	
G148.5	6.2	1.6	2.5	3.3	6.5	10.9	13.8	11.2	6.2	
G149.0	4.7	1.6	2.5	3.3	6.6	11.6	13.8	10.9	4.7	
G149.5	4.7	3.0	2.6	3.6	6.6	10.9	13.6	11.2	4.7	
G150.0	4.7	3.3	2.6	3.6	6.2	10.7	14.4	11.2	4.7	
G150.5	4.8	3.3	2.7	3.6	6.3	9.3	13.5	11.1	4.8	
G151.0	4.9	2.9	2.7	3.6	6.5	9.3	13.5	11.2	4.9	
G151.5	4.9	1.9	2.7	3.7	6.3	9.1	13.4	11.2	4.9	
G152.0	4.9	1.9	2.8	3.7	6.6	9.3	13.4	11.2	4.9	
G152.5	5.0	2.0	2.8	3.7	6.6	9.3	13.3	11.1	5.0	
G153.0	5.0	3.8	3.0	3.9	6.7	9.1	13.3	11.2	5.0	
G153.5	4.9	3.7	3.0	4.0	5.1	9.3	13.1	11.1	4.9	
G154.0	5.2	3.7	3.0	4.0	5.2	9.3	13.1	11.2	5.2	
G154.5	5.2	2.2	3.1	4.1	5.3	9.1	13.0	11.2	5.2	
G155.0	5.0	2.3	3.2	4.1	6.8	9.3	13.0	11.2	5.0	
G155.5	5.3	2.3	3.2	4.3	6.9	9.3	13.0	11.2	5.3	
G156.0	5.3	4.2	3.3	4.3	7.0	9.2	12.9	11.1	5.3	
G156.5	5.1	4.1	3.5	4.4	5.4	9.3	12.9	11.1	5.1	
G157.0	5.4	4.1	3.5	4.4	5.4	9.3	12.6	11.7	5.4	
G157.5	5.5	3.9	3.6	4.8	5.5	9.2	12.8	11.1	5.5	
G158.0	5.3	4.2	3.6	4.6	5.6	10.7	12.6	11.1	5.3	
G158.5	5.6	4.2	3.7	4.6	5.6	10.7	12.5	11.1	5.6	
G159.0	5.7	4.1	3.9	4.6	5.7	10.7	12.5	10.9	5.7	
G159.5	5.6	4.4	3.7	4.8	5.7	9.1	12.4	10.9	5.6	
G160.0	5.8	4.4	4.0	4.9	5.8	9.1	12.4	10.9	5.8	
G160.5	5.8	4.6	4.0	4.9	5.8	9.1	12.2	10.9	5.8	
G161.0	5.8	3.0	4.1	5.0	5.5	9.0	12.2	10.9	5.8	
G161.5	5.8	3.1	4.1	5.2	7.3	8.9	12.1	10.9	5.8	
G162.0	5.8	3.1	4.3	5.2	7.4	8.9	12.0	10.9	5.8	
G162.5	5.9	4.9	4.5	5.3	7.3	9.0	12.0	10.8	5.9	
G163.0	5.9	4.8	4.4	5.4	7.4	8.8	11.9	10.9	5.9	
G163.5	5.9	4.9	4.5	5.4	7.5	8.8	11.9	10.9	5.9	
G164.0	6.0	5.0	4.6	5.5	7.7	8.5	11.6	10.8	6.0	
G164.5	6.1	5.1	4.8	5.7	6.0	8.7	11.7	10.8	6.1	
G165.0	6.0	5.2	4.8	5.7	6.0	8.7	11.6	10.6	6.0	
G165.5	6.0	5.1	4.9	5.7	6.2	8.4	11.6	10.7	6.0	
G166.0	6.1	5.4	5.0	5.8	7.7	8.6	11.5	10.7	6.1	

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-1600L
 Distance: 8.567 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	6.1	5.4	5.4	5.9	7.8	8.5	11.3	10.6	6.1	
G167.0	6.1	3.7	5.2	6.1	7.8	8.2	11.3	10.6	6.1	
G167.5	6.2	4.0	5.3	6.1	7.8	8.4	11.1	10.4	6.2	
G168.0	6.2	4.1	5.4	6.2	7.9	8.3	11.2	10.4	6.2	
G168.5	6.2	5.3	5.4	6.3	7.9	8.1	10.9	10.3	6.2	
G169.0	6.3	5.6	5.7	6.1	8.0	8.2	10.9	10.3	6.3	
G169.5	6.3	6.1	5.7	6.6	7.9	8.1	10.8	10.2	6.3	
G170.0	6.3	6.1	5.9	6.6	8.0	7.9	10.8	10.2	6.3	
G170.5	6.2	6.3	5.9	7.2	8.0	8.0	10.8	10.2	6.2	
G171.0	6.3	6.3	6.1	6.9	8.0	7.9	10.6	10.0	6.3	
G171.5	6.4	6.3	6.2	6.9	8.0	7.9	10.6	10.0	6.4	
G172.0	6.2	6.3	6.3	6.9	6.5	7.7	10.3	9.9	6.2	
G172.5	6.4	6.5	6.2	7.2	6.5	7.7	10.3	9.9	6.4	
G173.0	6.4	6.6	6.6	7.2	6.3	7.6	10.2	9.9	6.4	
G173.5	6.2	6.5	6.7	7.3	8.1	7.6	10.2	9.8	6.2	
G174.0	6.5	6.8	6.8	7.5	8.1	7.5	10.2	9.7	6.5	
G174.5	6.5	6.9	6.9	7.5	8.1	7.4	9.8	9.7	6.5	
G175.0	6.3	6.8	7.1	7.6	8.2	7.3	9.8	9.5	6.3	
G175.5	6.5	7.1	7.2	7.7	8.2	7.3	9.7	9.4	6.5	
G176.0	6.6	7.1	7.3	7.9	8.2	7.2	9.5	9.4	6.6	
G176.5	6.6	7.4	7.6	7.9	8.2	7.1	9.5	9.4	6.6	
G177.0	6.6	7.4	7.6	8.1	8.2	7.0	9.3	9.3	6.6	
G177.5	6.6	6.9	7.7	8.2	6.7	6.7	9.1	9.1	6.6	
G178.0	6.7	7.6	7.9	8.2	6.7	6.8	9.0	9.0	6.7	
G178.5	6.6	7.7	8.0	8.4	6.7	6.7	8.9	9.0	6.6	
G179.0	6.6	7.8	8.1	8.5	6.6	6.6	8.8	8.8	6.6	
G179.5	6.6	8.3	8.2	8.6	6.7	6.5	8.6	8.9	6.6	
G180.0	6.6	7.9	8.4	8.6	6.6	8.0	8.4	8.6	6.6	

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-1600L
Distance: 8.567 m
Humidity:
Inspector: