

Report No.:

Test Time: 2016-05-26 15:33

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: MR0530KSM-53FL

Current: 0.551 A

Power Factor: 0.745

Voltage: 12.0 V

Power: 4.90 W

Photometric Results

CIE Class: Direct

Measurement Flux: 349.4 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,25%,50%,75%): H69,H54.1,H39.4,H26.7

Vertical Diffuse Angle(10%,25%,50%,75%): V69.1,V54.3,V39.6,V26.2

Luminaire Efficacy Rating (LER): 71.36

Max. Intensity: 662.85 cd

S/MH(C0/C180): 0.65

Total Rated Lamp Lumens: 349.4 lm

Efficiency: 100%

Upward Ratio: 1%

Central Intensity: 647.41 cd

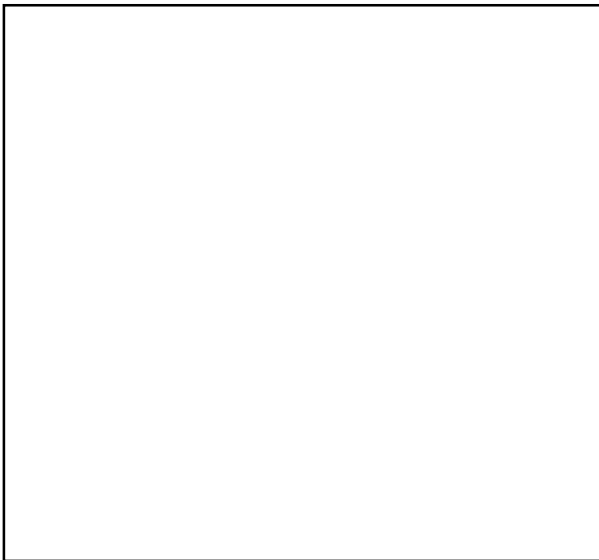
Pos of Max. Intensity: H135 V5.5

Central Intensity: 647.41 cd

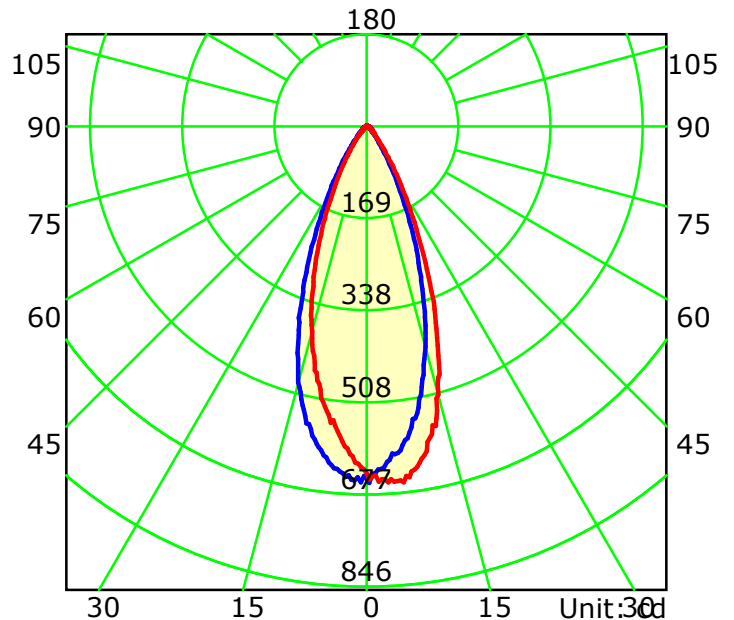
Pos of Max. Intensity: H135 V5.5

S/MH(C90/C270): 0.65

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 39.3°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:0.5

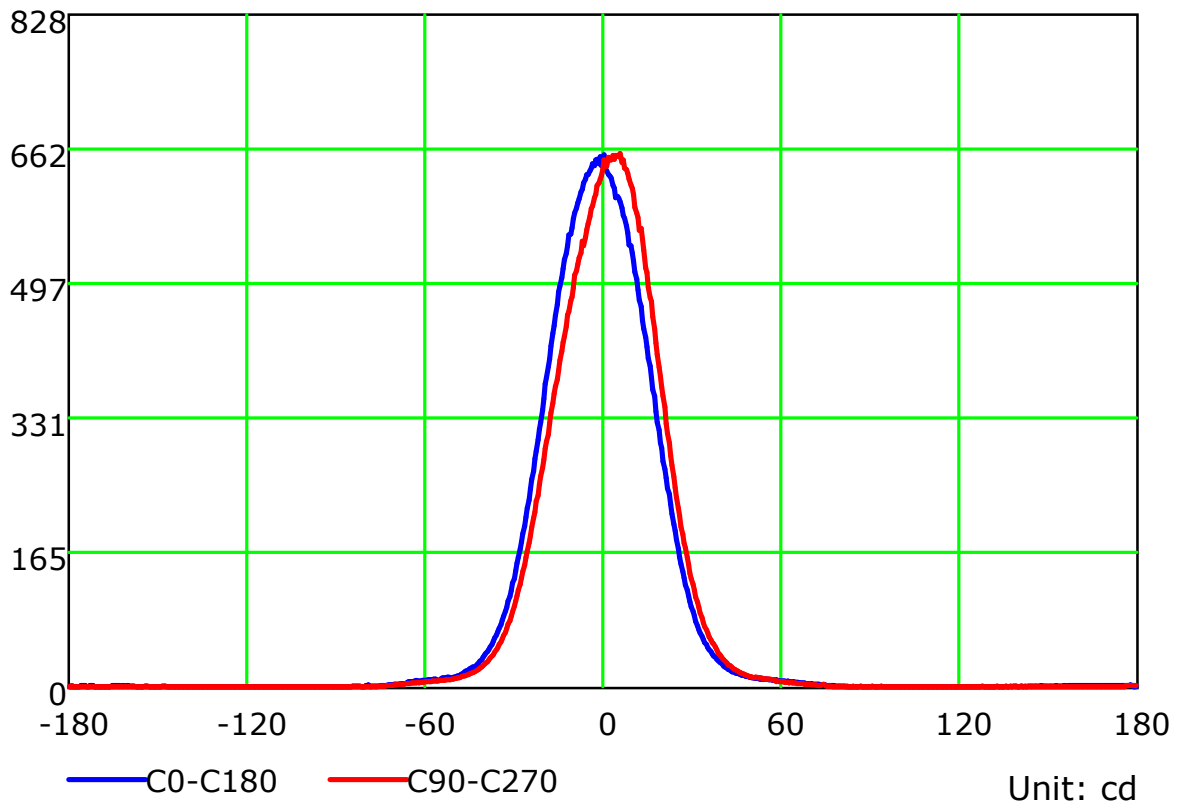
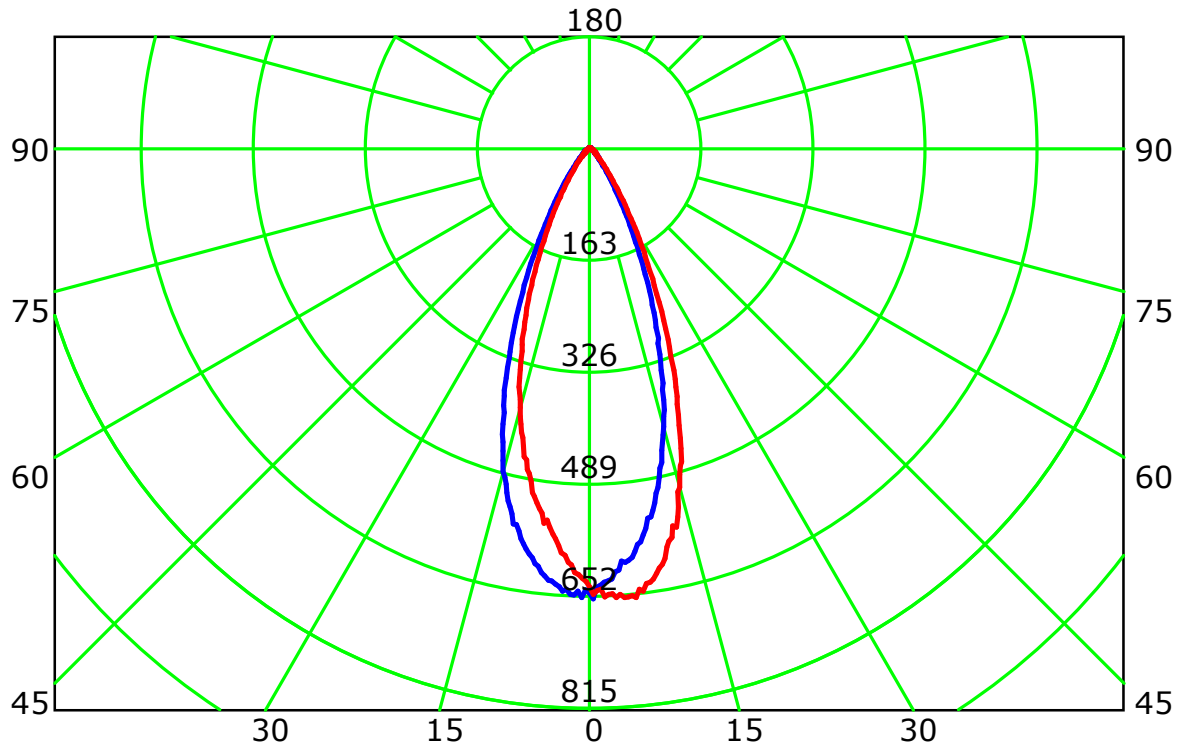
Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

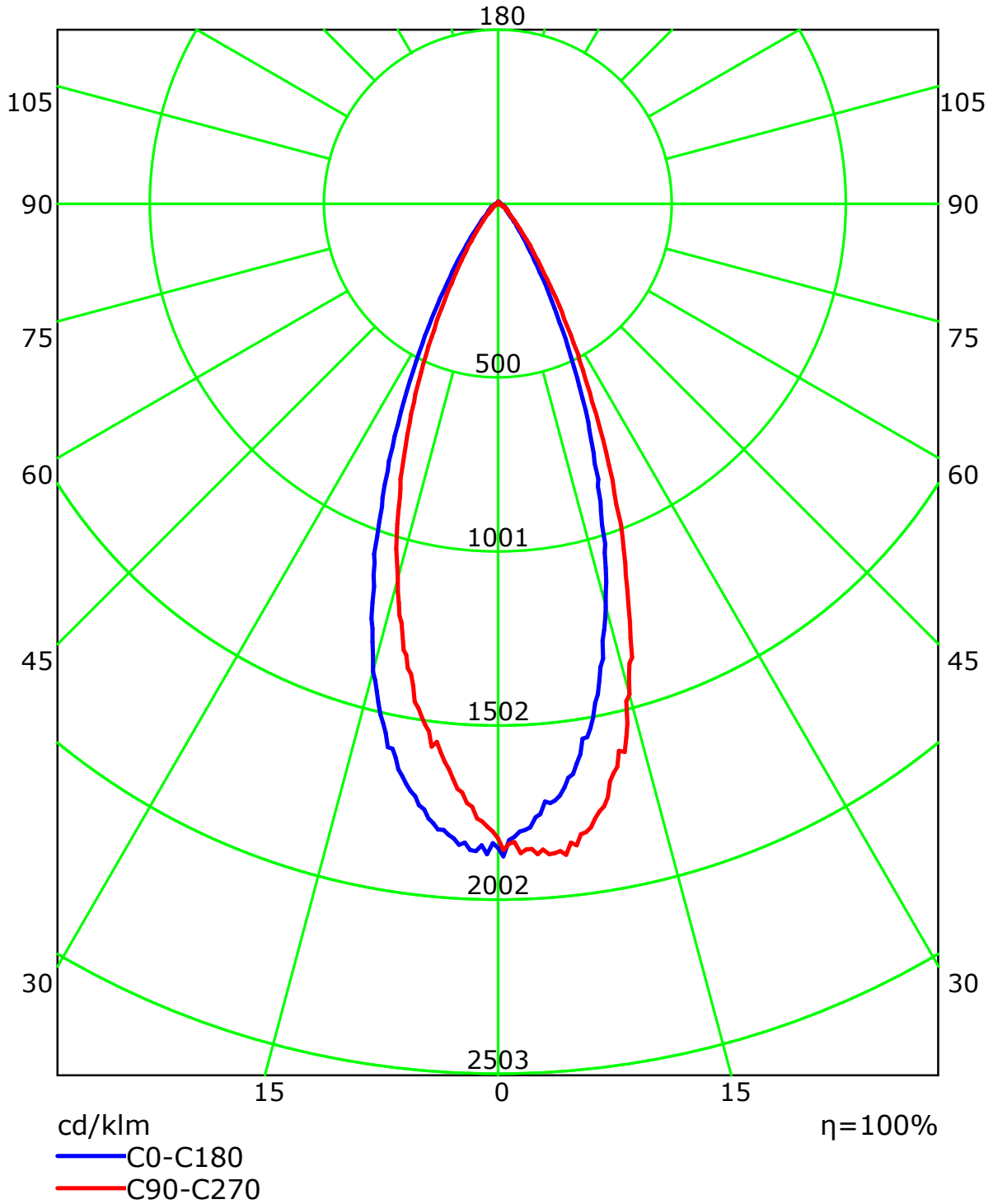
Luminous Intensity Distribution Curve



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

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

Luminous Intensity Distribution Curve(cd/klm)



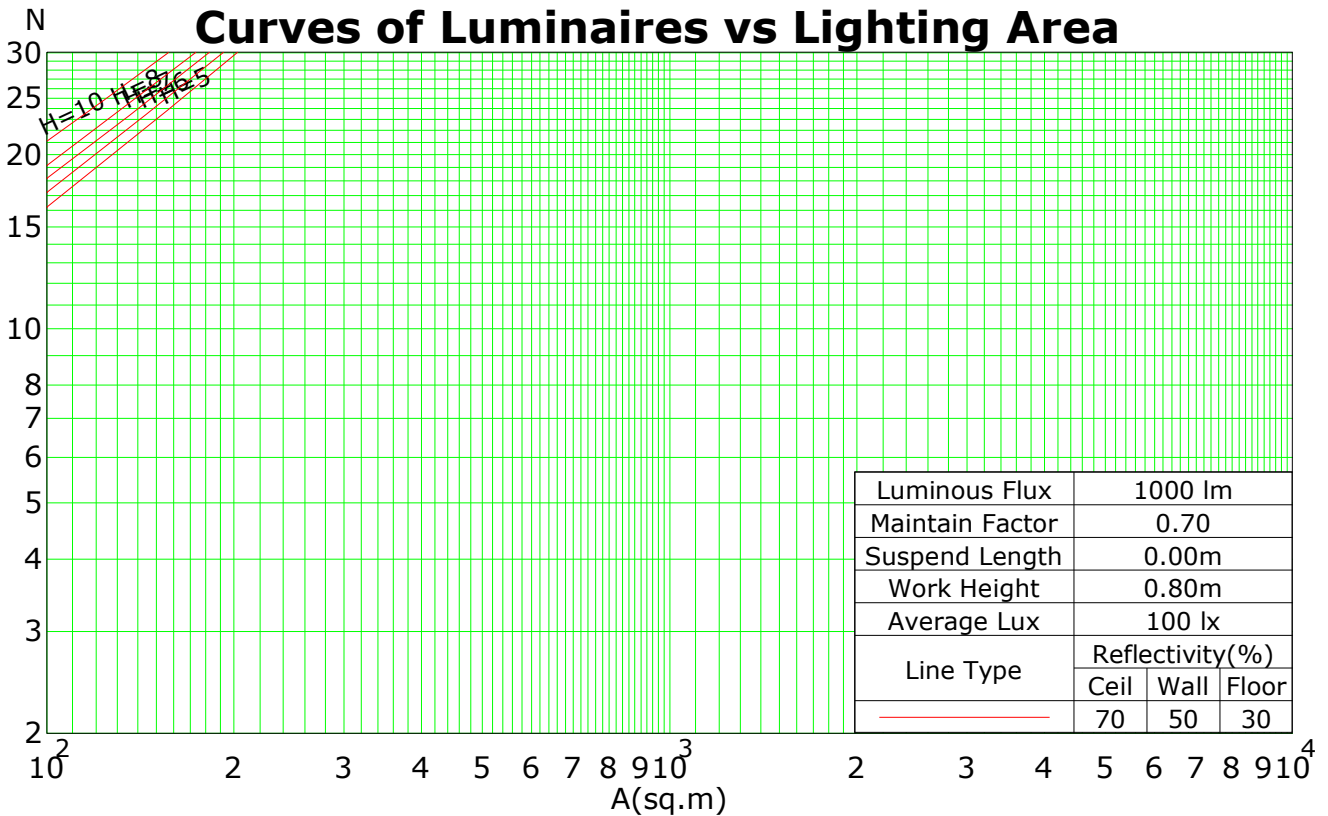
C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

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

Coefficients Of Utilization - Zonal Cavity Method

RC	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0
RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
RCR	RF = 0.2																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	99
1	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	92	91	89	87
3	103	97	92	88	101	95	91	88	93	89	86	90	87	85	88	85	83	82
4	98	91	86	82	96	90	85	81	88	84	80	86	82	79	84	81	78	77
5	94	86	80	76	92	85	80	76	83	79	75	81	78	75	80	77	74	72
6	90	81	76	72	88	81	75	71	79	74	71	78	74	70	76	73	70	69
7	86	77	72	68	85	77	71	67	75	71	67	74	70	67	73	69	66	65
8	82	73	68	64	81	73	68	64	72	67	64	71	66	63	70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	60	68	63	60	67	63	60	59
10	76	67	62	58	75	66	61	58	66	61	58	65	61	57	64	60	57	56

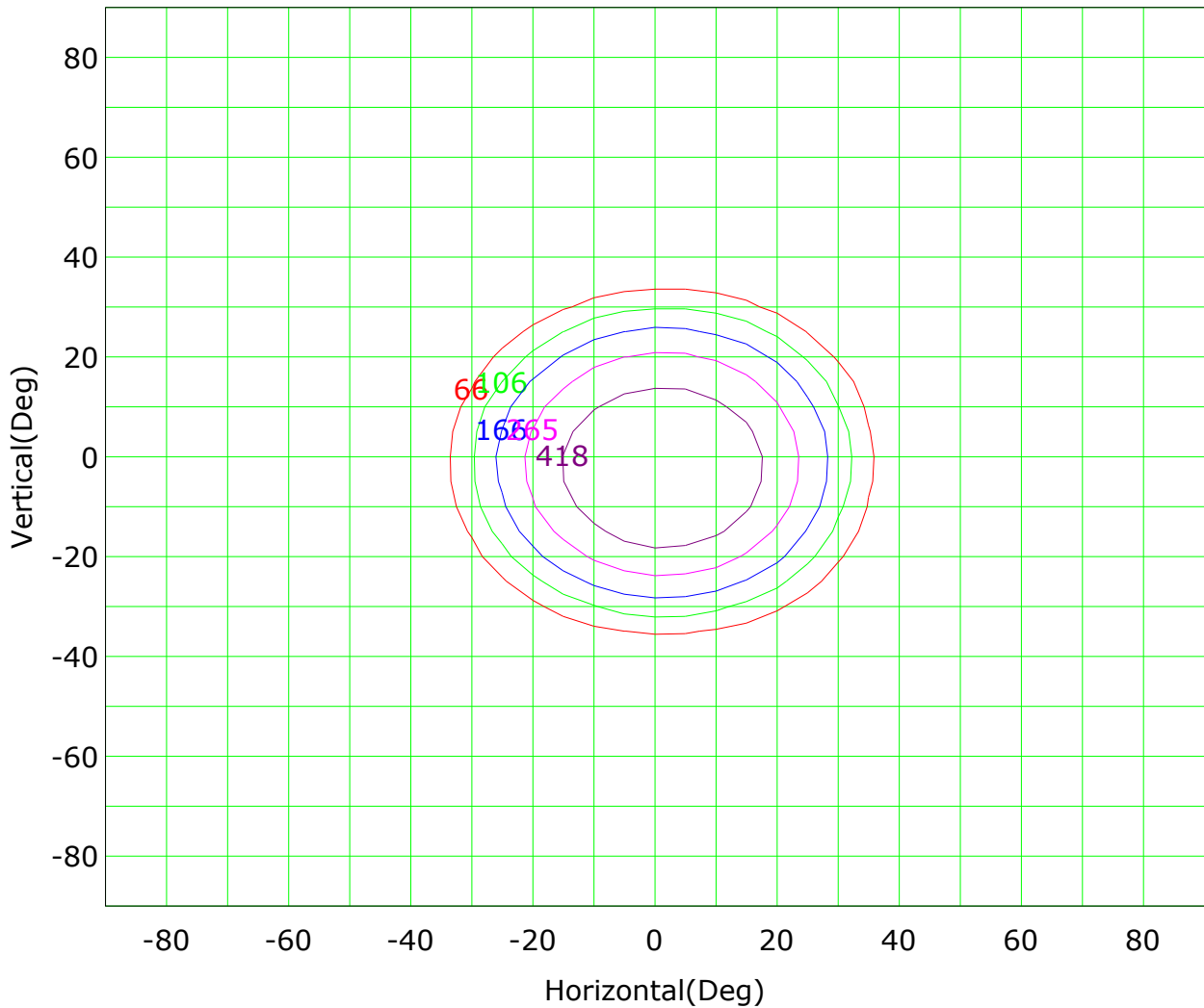
Spacing Criteria (0-180): 0.65
 Spacing Criteria (90-270): 0.65
 Spacing Criteria (Diagonal): 0.64



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-1600
 Distance: 8.177 m
 Humidity:
 Inspector:

Isocandela (rectangle)



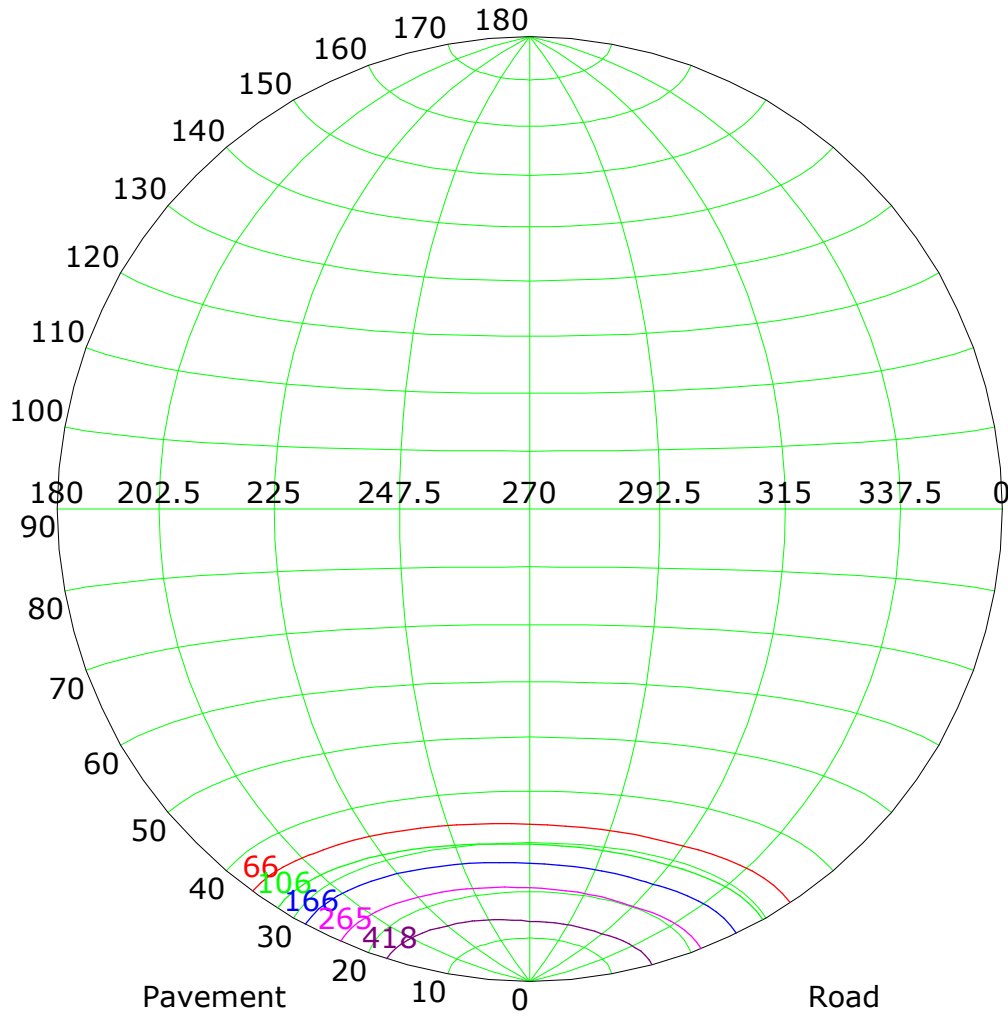
Imax (100%): 663 cd

— (10%): 66 cd	— (16%): 106 cd
— (25%): 166 cd	— (40%): 265 cd
— (63%): 418 cd	— (100%): 663 cd

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

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

Isocandela (sphere)



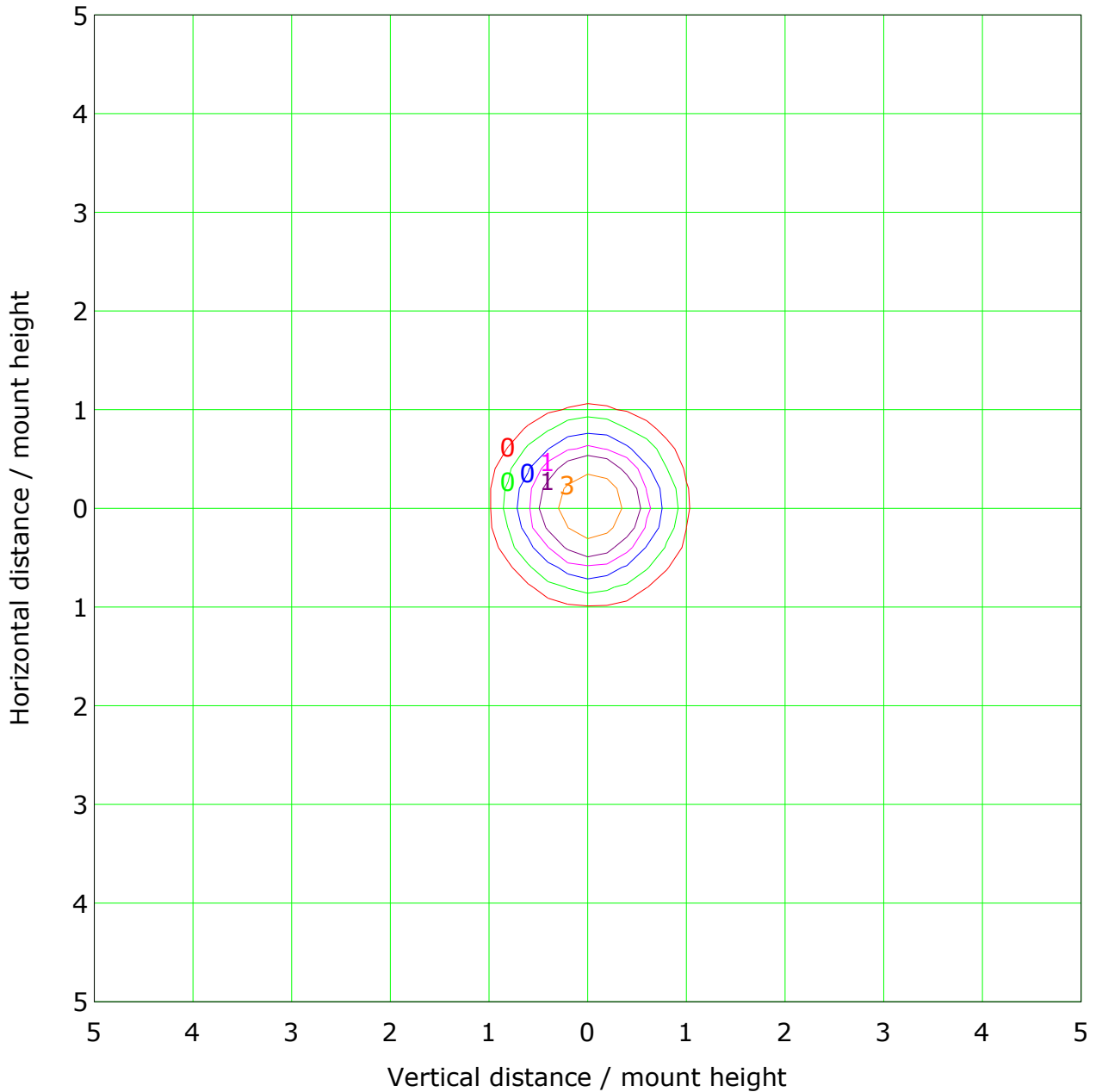
Imax (100%): 663 cd

— (10%): 66 cd	— (16%): 106 cd
— (25%): 166 cd	— (40%): 265 cd
— (63%): 418 cd	— (100%): 663 cd

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

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

IsoLux Plot



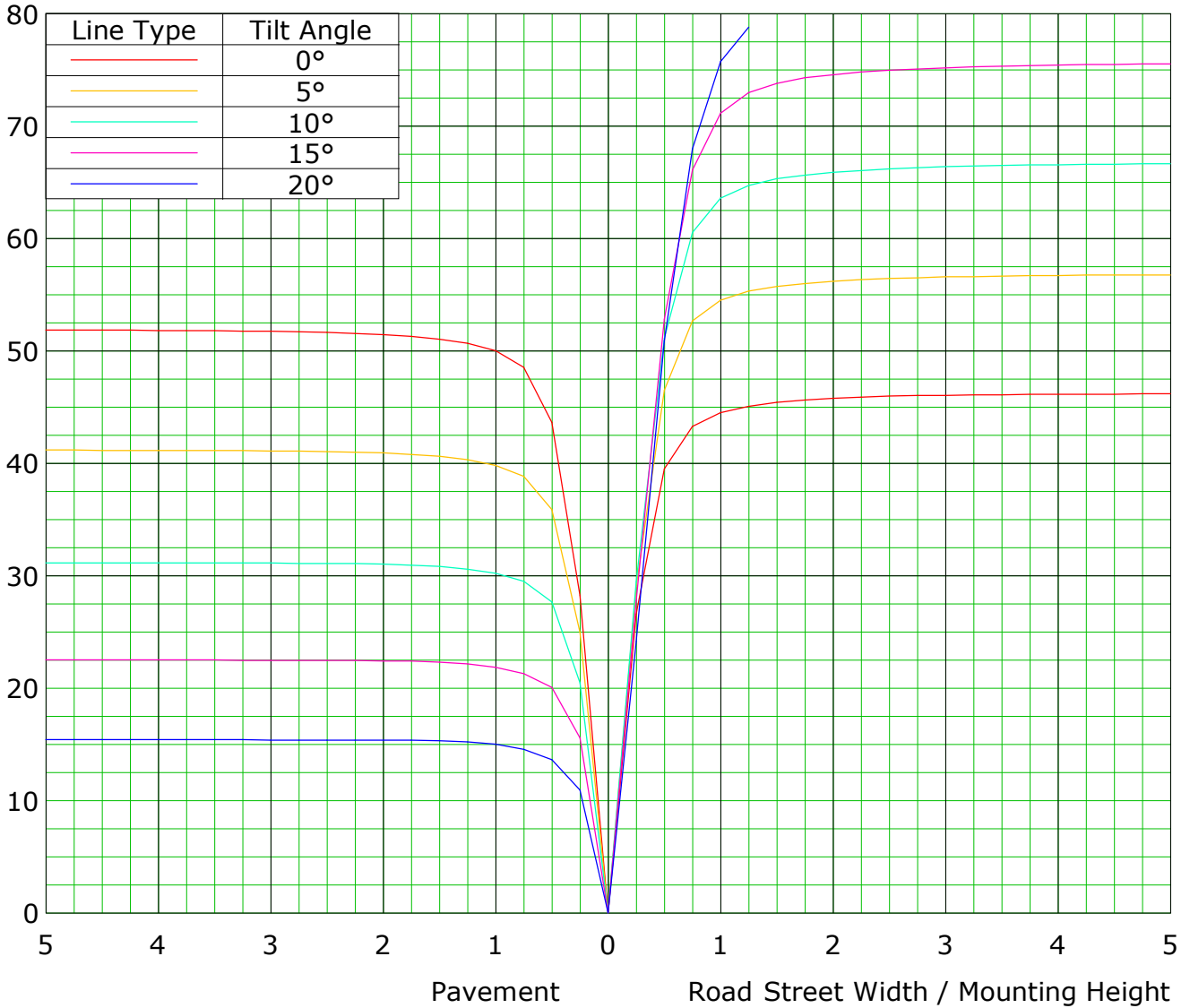
Mounting Height: 10.0m Max Lux(100%): 6.6 lx	
— (1%): 0.1 lx	— (2%): 0.1 lx
— (5%): 0.3 lx	— (10%): 0.7 lx
— (20%): 1.3 lx	— (50%): 3.3 lx
— (100%): 6.6 lx	

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

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

Roadway CU Curve

Efficiency(%)



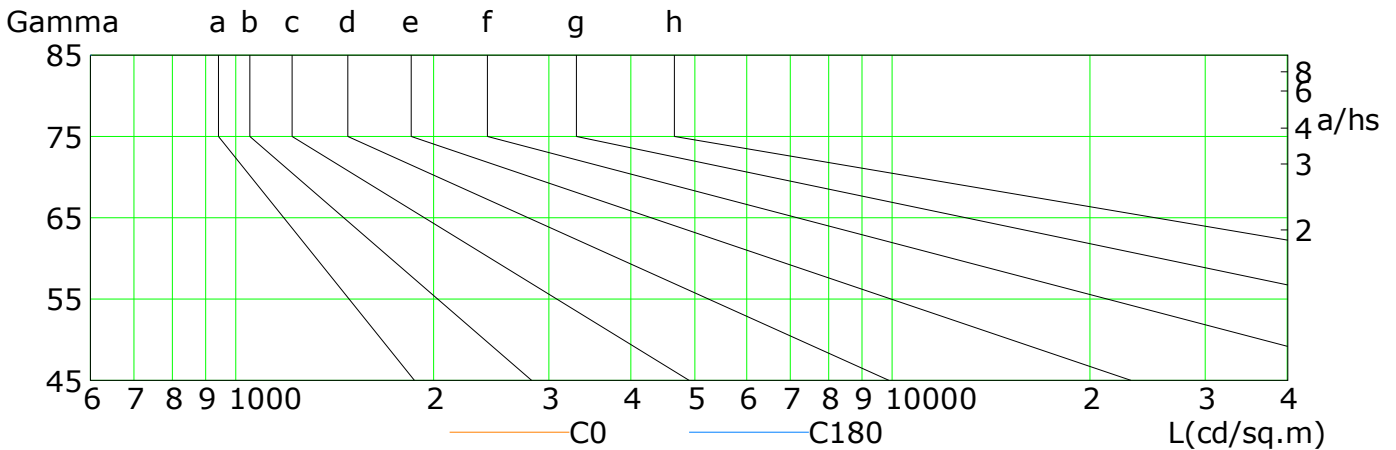
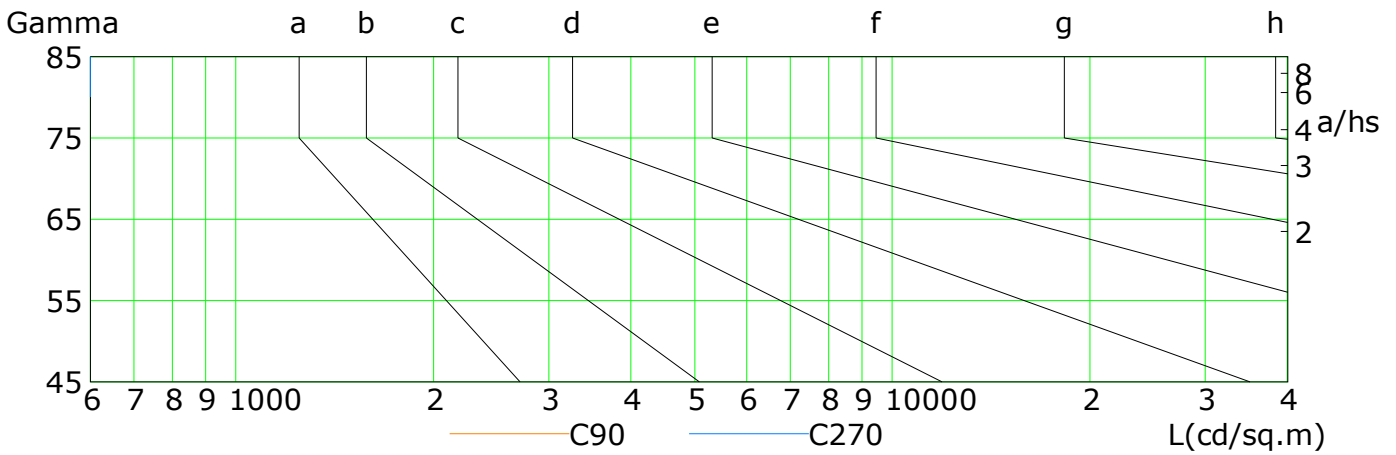
C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

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

Lum Limit Curve

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

a b c d e f g h

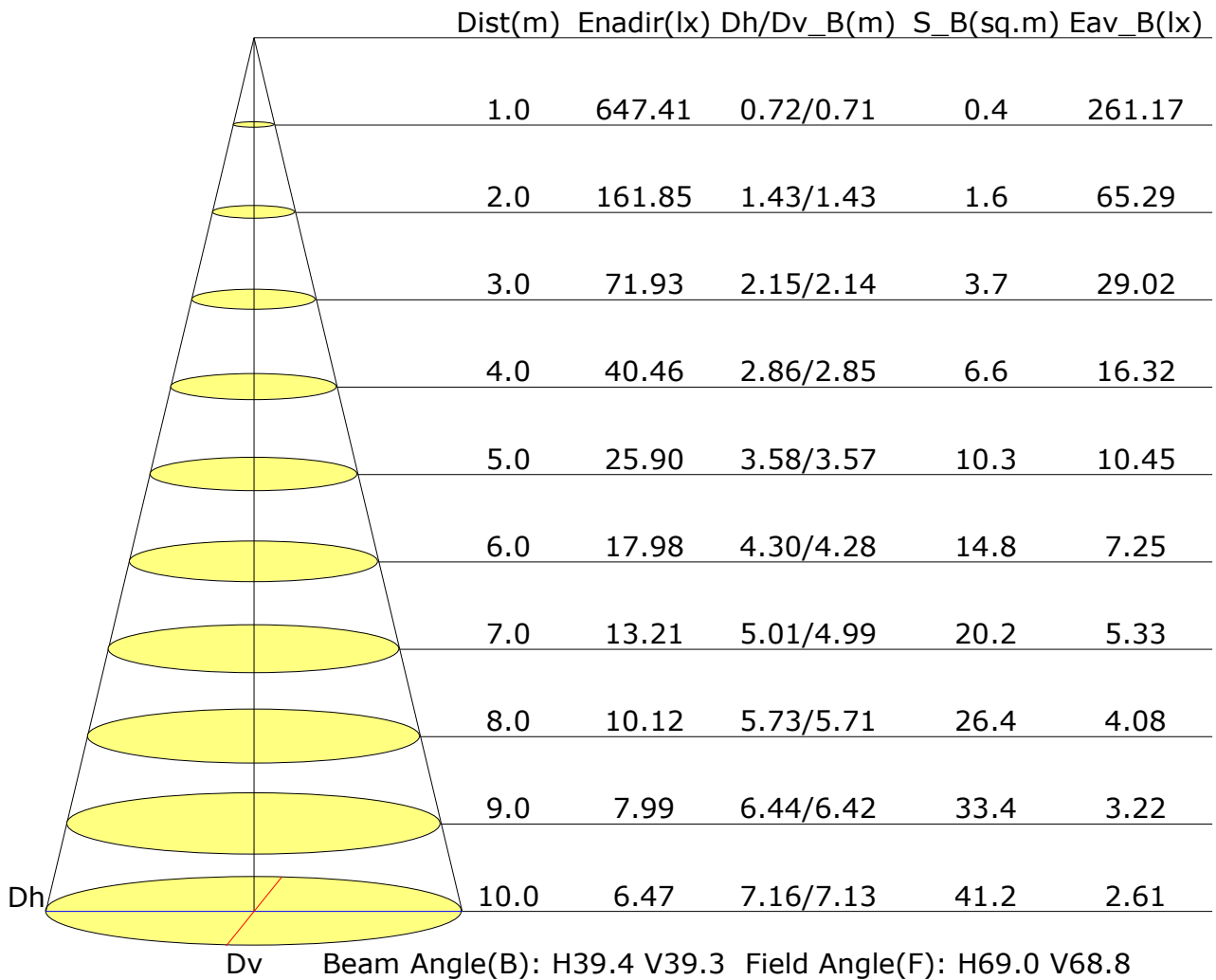


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	17	12	10	8	6	4	2	1	0
C90	21	13	10	7	5	3	3	0	0
C180	22	12	9	8	7	3	2	2	0
C270	16	10	8	6	5	3	1	0	0

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

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

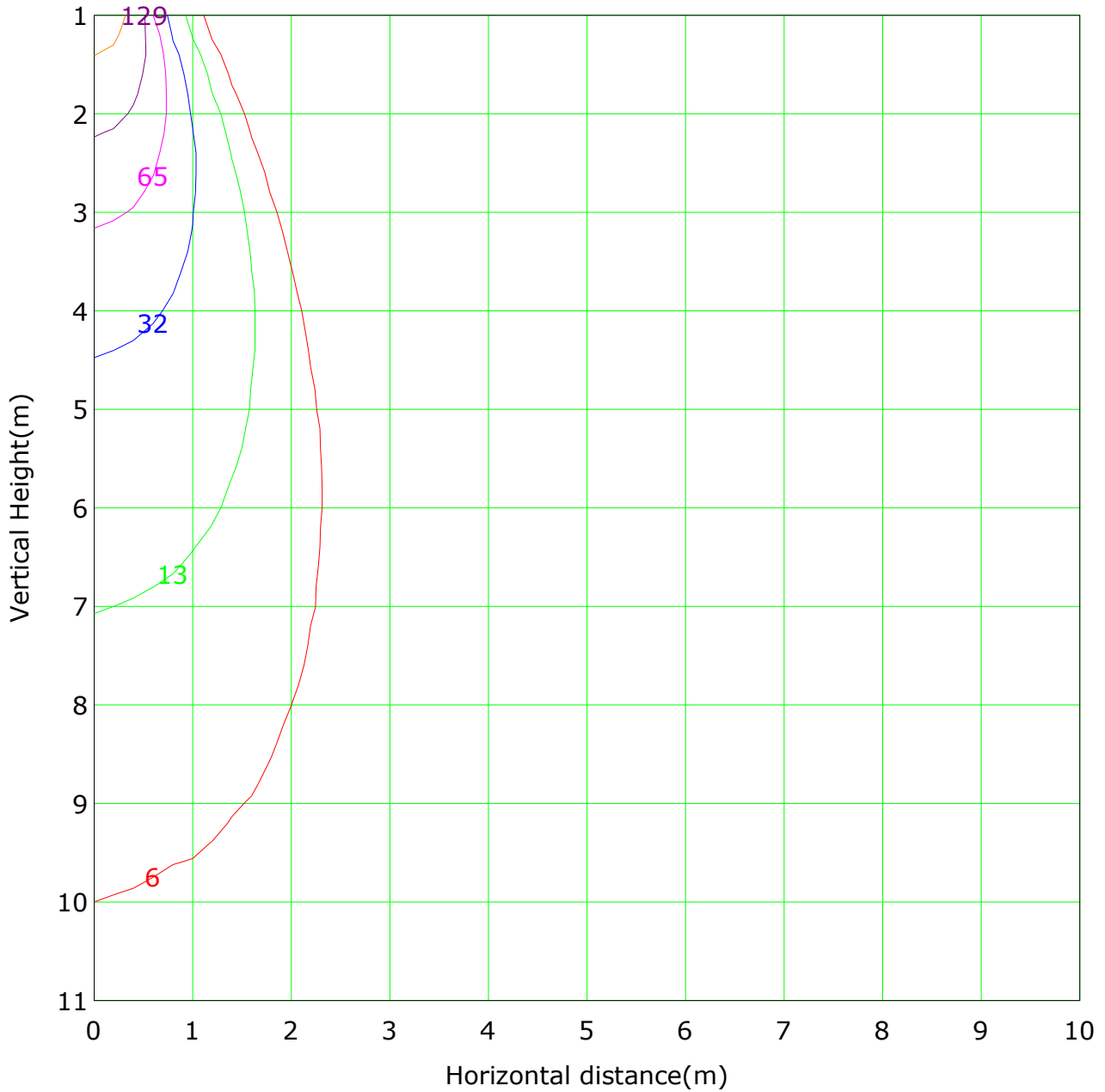
Illuminance at a Distance



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

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

Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 647.4 lx
— (1%): 6.5 lx	— (2%): 12.9 lx	
— (5%): 32.4 lx	— (10%): 64.7 lx	
— (20%): 129.5 lx	— (50%): 323.7 lx	
— (100%): 647.4 lx		

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

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

Area Flux Table

Unit: lm

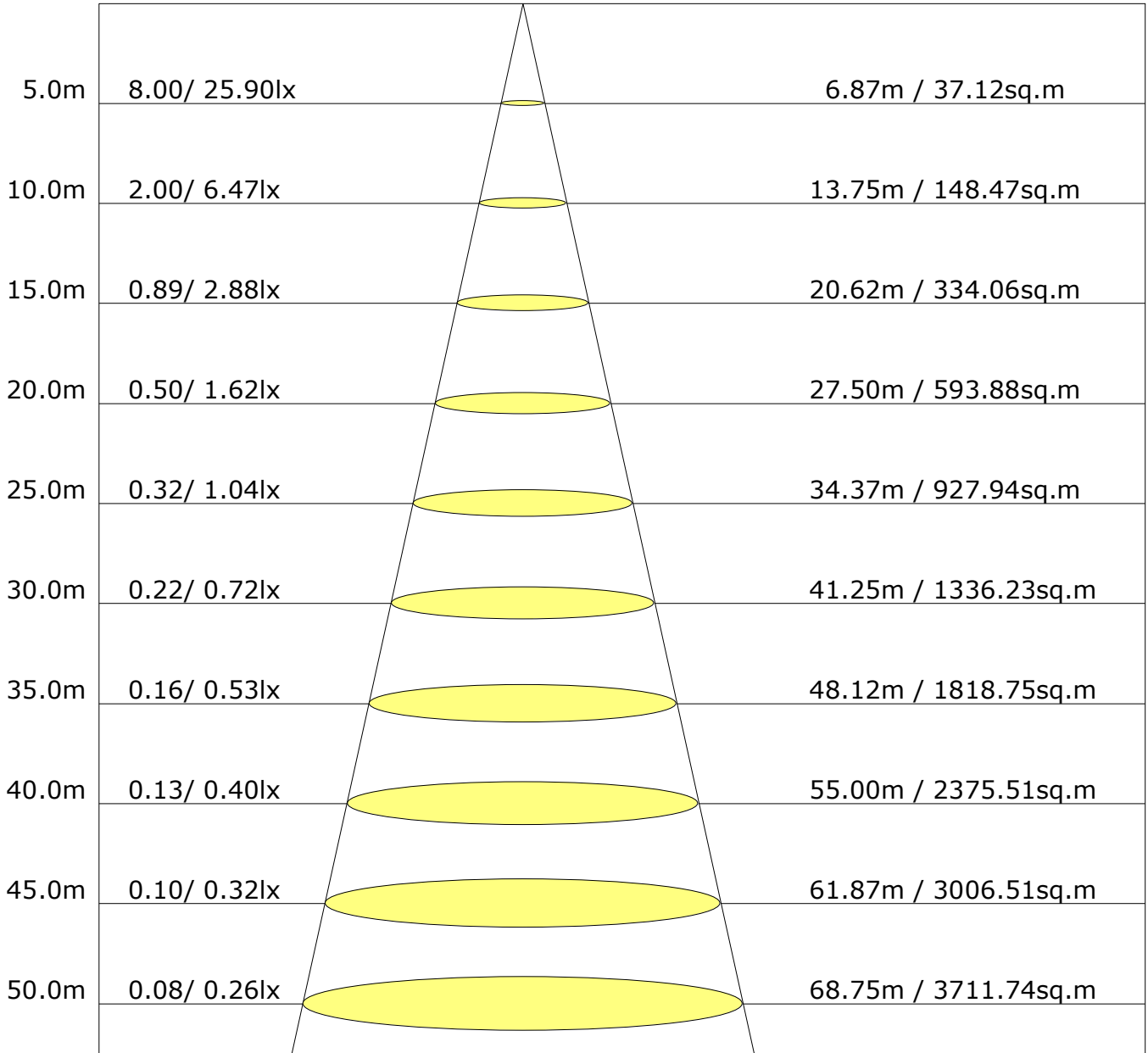
Flux(E)		Vertical plane																		Flux(E)	Flux(E)
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80		
Flux(T)	0.0	0.2	0.7	1.8	3.7	10.1	28.3	58.8	80.6	76.5	50.5	22.3	7.8	3.2	1.6	0.7	0.2	0.0	0.0	347	
Flux(E)	0.0	0.0	0.0	0.0	0.0	3.6	23.8	54.8	76.8	72.7	46.4	17.5	1.3	0.0	0.0	0.0	0.0	0.0	0.0	297	

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

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

The Average Illuminance Effective Figure

Flux Out: 296.97lm



Height

Avg./Nadir. E

Beam Angle: 69.0°

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: 8.177 m
 Humidity:
 Inspector:

UGR Table

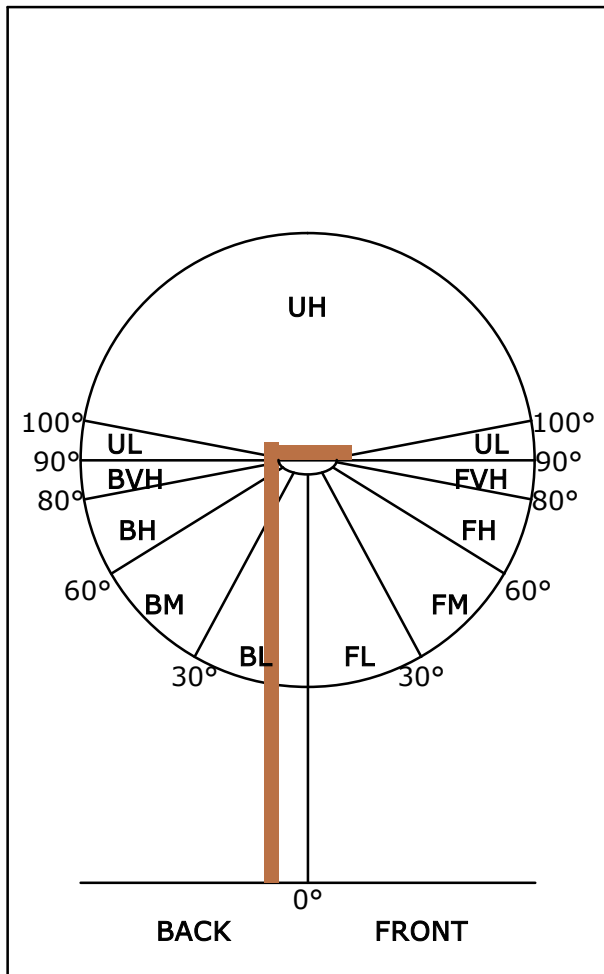
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$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

Calculate in accordance with CIE Pub.117. The table is revised with 349lm ($8\log(F/F_0) = -3.7$).

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: 8.177 m
 Humidity:
 Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



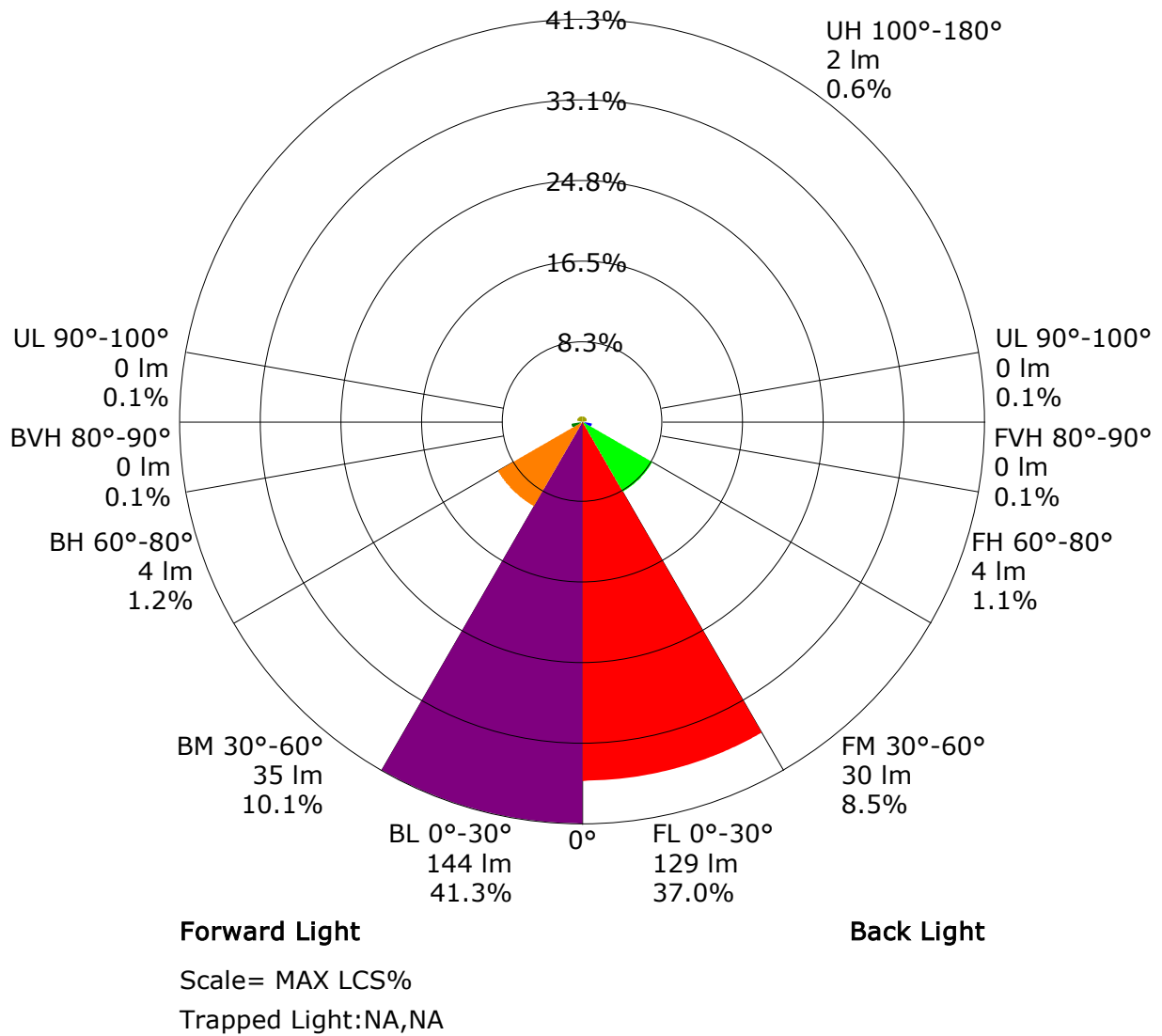
ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	163	46.6
FL (0°-30°)	129	37.0
FM (30°-60°)	30	8.5
FH (60°-80°)	4	1.1
FVH (80°-90°)	0	0.1
BACK LIGHT	184	52.7
BL (0°-30°)	144	41.3
BM (30°-60°)	35	10.1
BH (60°-80°)	4	1.2
BVH (80°-90°)	0	0.1
UP LIGHT	2	0.6
UL (90°-100°)	0	0.1
UH (100°-180°)	2	0.6
TRAPPED LIGHT	NA	NA

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

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

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

LCS Graph



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

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

Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 0.75								
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	0.87	0.93	0.97	0.99	1.03	1.06	1.08	1.10	1.11
	0.30		0.82	0.88	0.92	0.96	1.00	1.03	1.05	1.08	1.09
	0.20		0.79	0.85	0.89	0.93	0.97	1.00	1.03	1.06	1.08
0.50	0.50	0.20	0.85	0.91	0.94	0.97	1.00	1.03	1.04	1.06	1.07
	0.30		0.81	0.87	0.91	0.94	0.98	1.00	1.02	1.04	1.06
	0.20		0.78	0.84	0.88	0.91	0.95	0.98	1.00	1.03	1.04
0.30	0.50	0.20	0.84	0.89	0.92	0.95	0.98	0.99	1.01	1.02	1.03
	0.30		0.81	0.86	0.90	0.92	0.95	0.98	0.99	1.01	1.02
	0.20		0.78	0.84	0.87	0.90	0.94	0.96	0.98	1.00	1.01
0.00	0.00	0.00	0.76	0.82	0.85	0.87	0.90	0.92	0.94	0.95	0.96
<p>Rating:5W 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 = 0.75								
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	0.56	0.45	0.38	0.33	0.26	0.22	0.18	0.14	0.12
	0.30		0.47	0.39	0.33	0.29	0.24	0.20	0.17	0.13	0.11
	0.20		0.40	0.34	0.30	0.26	0.22	0.18	0.16	0.13	0.11
0.50	0.50	0.20	0.53	0.43	0.36	0.31	0.24	0.24	0.17	0.13	0.11
	0.30		0.45	0.37	0.32	0.28	0.22	0.18	0.16	0.12	0.10
	0.20		0.39	0.33	0.28	0.25	0.20	0.17	0.15	0.12	0.10
0.30	0.50	0.20	0.51	0.40	0.34	0.29	0.22	0.18	0.16	0.12	0.10
	0.30		0.43	0.36	0.30	0.26	0.21	0.17	0.15	0.11	0.09
	0.20		0.38	0.32	0.27	0.24	0.19	0.16	0.14	0.11	0.09
0.00	0.00	0.00	0.24	0.19	0.16	0.13	0.10	0.08	0.07	0.05	0.04
<p>Rating:5W 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 = 0.75								
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	0.13	0.15	0.16	0.17	0.18	0.19	0.20	0.21	0.21
	0.30		0.09	0.11	0.13	0.14	0.16	0.17	0.18	0.19	0.20
	0.20		0.07	0.09	0.10	0.12	0.14	0.15	0.16	0.18	0.19
0.50	0.50	0.20	0.13	0.14	0.15	0.16	0.18	0.19	0.19	0.20	0.21
	0.30		0.09	0.11	0.12	0.14	0.15	0.16	0.17	0.19	0.19
	0.20		0.07	0.08	0.10	0.11	0.13	0.15	0.16	0.17	0.18
0.30	0.50	0.20	0.12	0.14	0.15	0.16	0.17	0.18	0.18	0.19	0.20
	0.30		0.09	0.11	0.12	0.13	0.15	0.16	0.17	0.18	0.19
	0.20		0.07	0.08	0.10	0.11	0.13	0.14	0.15	0.17	0.18
0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

Rating:5W 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	638.2	0.2	0.2	0.04	0.04
0.5-1.0	637.2	0.5	0.6	0.13	0.17
1.0-1.5	636.6	0.8	1.4	0.22	0.39
1.5-2.0	634.7	1.1	2.4	0.30	0.70
2.0-2.5	631.9	1.4	3.8	0.39	1.09
2.5-3.0	629.1	1.7	5.4	0.47	1.56
3.0-3.5	626.2	1.9	7.4	0.56	2.12
3.5-4.0	623.1	2.2	9.6	0.64	2.76
4.0-4.5	619.6	2.5	12.1	0.72	3.48
4.5-5.0	615.7	2.8	14.9	0.80	4.28
5.0-5.5	612.9	3.1	18.0	0.88	5.16
5.5-6.0	608.2	3.3	21.4	0.96	6.11
6.0-6.5	601.7	3.6	25.0	1.03	7.14
6.5-7.0	597.1	3.8	28.8	1.10	8.24
7.0-7.5	592.3	4.1	32.9	1.17	9.42
7.5-8.0	585.7	4.3	37.2	1.24	10.65
8.0-8.5	579.0	4.6	41.8	1.30	11.96
8.5-9.0	571.5	4.8	46.6	1.36	13.32
9.0-9.5	564.0	5.0	51.5	1.42	14.75
9.5-10.0	555.8	5.2	56.7	1.48	16.22
10.0-10.5	547.6	5.3	62.0	1.53	17.75
10.5-11.0	538.7	5.5	67.5	1.58	19.33
11.0-11.5	529.1	5.7	73.2	1.62	20.95
11.5-12.0	519.5	5.8	79.0	1.66	22.61
12.0-12.5	508.6	5.9	84.9	1.69	24.30
12.5-13.0	499.9	6.0	91.0	1.73	26.03
13.0-13.5	490.7	6.2	97.1	1.76	27.80
13.5-14.0	478.9	6.2	103.4	1.79	29.58
14.0-14.5	466.7	6.3	109.7	1.80	31.39
14.5-15.0	455.5	6.4	116.0	1.82	33.21
15.0-15.5	443.4	6.4	122.4	1.83	35.04
15.5-16.0	430.9	6.4	128.8	1.84	36.87
16.0-16.5	419.9	6.4	135.3	1.84	38.72
16.5-17.0	407.4	6.4	141.7	1.84	40.56
17.0-17.5	394.2	6.4	148.1	1.83	42.39
17.5-18.0	380.7	6.4	154.5	1.82	44.22

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

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

Zonal Lumen (Continue 1)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
18.0-18.5	367.4	6.3	160.8	1.81	46.02
18.5-19.0	355.0	6.3	167.1	1.79	47.81
19.0-19.5	342.5	6.2	173.2	1.77	49.58
19.5-20.0	330.2	6.1	179.4	1.75	51.33
20.0-20.5	317.6	6.0	185.4	1.73	53.06
20.5-21.0	304.9	5.9	191.3	1.70	54.75
21.0-21.5	292.3	5.8	197.1	1.66	56.42
21.5-22.0	280.0	5.7	202.8	1.63	58.05
22.0-22.5	268.2	5.6	208.4	1.59	59.64
22.5-23.0	256.6	5.4	213.8	1.56	61.20
23.0-23.5	244.4	5.3	219.1	1.51	62.71
23.5-24.0	232.5	5.1	224.2	1.47	64.18
24.0-24.5	221.7	5.0	229.2	1.43	65.61
24.5-25.0	210.5	4.8	234.1	1.38	66.99
25.0-25.5	199.4	4.7	238.7	1.33	68.33
25.5-26.0	188.9	4.5	243.2	1.29	69.61
26.0-26.5	179.0	4.3	247.6	1.24	70.86
26.5-27.0	169.3	4.2	251.8	1.20	72.05
27.0-27.5	160.3	4.0	255.8	1.15	73.20
27.5-28.0	152.2	3.9	259.7	1.11	74.32
28.0-28.5	143.9	3.7	263.4	1.07	75.39
28.5-29.0	135.4	3.6	267.0	1.02	76.41
29.0-29.5	127.5	3.4	270.4	0.98	77.39
29.5-30.0	120.0	3.3	273.7	0.93	78.32
30.0-30.5	113.1	3.1	276.8	0.89	79.21
30.5-31.0	106.6	3.0	279.8	0.86	80.07
31.0-31.5	99.9	2.8	282.6	0.81	80.88
31.5-32.0	93.6	2.7	285.3	0.77	81.66
32.0-32.5	87.7	2.6	287.9	0.73	82.39
32.5-33.0	82.3	2.4	290.3	0.70	83.09
33.0-33.5	77.3	2.3	292.6	0.67	83.75
33.5-34.0	72.5	2.2	294.8	0.63	84.39
34.0-34.5	68.1	2.1	296.9	0.60	84.99
34.5-35.0	63.9	2.0	298.9	0.57	85.56
35.0-35.5	60.0	1.9	300.8	0.54	86.10
35.5-36.0	56.3	1.8	302.6	0.52	86.62

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-1600
 Distance: 8.177 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	53.0	1.7	304.4	0.49	87.11
36.5-37.0	49.8	1.6	306.0	0.47	87.58
37.0-37.5	46.8	1.6	307.6	0.44	88.02
37.5-38.0	44.0	1.5	309.0	0.42	88.44
38.0-38.5	41.2	1.4	310.4	0.40	88.84
38.5-39.0	38.7	1.3	311.8	0.38	89.22
39.0-39.5	36.5	1.3	313.0	0.36	89.59
39.5-40.0	34.5	1.2	314.2	0.35	89.93
40.0-40.5	32.5	1.2	315.4	0.33	90.26
40.5-41.0	30.6	1.1	316.5	0.31	90.58
41.0-41.5	28.8	1.0	317.5	0.30	90.87
41.5-42.0	27.1	1.0	318.5	0.28	91.16
42.0-42.5	25.6	0.9	319.5	0.27	91.43
42.5-43.0	24.2	0.9	320.4	0.26	91.69
43.0-43.5	23.0	0.9	321.2	0.25	91.93
43.5-44.0	21.9	0.8	322.0	0.24	92.17
44.0-44.5	21.0	0.8	322.9	0.23	92.40
44.5-45.0	20.0	0.8	323.6	0.22	92.62
45.0-45.5	19.0	0.7	324.4	0.21	92.83
45.5-46.0	18.0	0.7	325.1	0.20	93.04
46.0-46.5	17.2	0.7	325.8	0.20	93.23
46.5-47.0	16.5	0.7	326.4	0.19	93.42
47.0-47.5	15.6	0.6	327.0	0.18	93.60
47.5-48.0	14.9	0.6	327.6	0.17	93.77
48.0-48.5	14.2	0.6	328.2	0.17	93.94
48.5-49.0	13.7	0.6	328.8	0.16	94.10
49.0-49.5	13.2	0.5	329.3	0.16	94.26
49.5-50.0	12.7	0.5	329.9	0.15	94.41
50.0-50.5	12.3	0.5	330.4	0.15	94.56
50.5-51.0	11.9	0.5	330.9	0.14	94.70
51.0-51.5	11.6	0.5	331.4	0.14	94.84
51.5-52.0	11.3	0.5	331.9	0.14	94.98
52.0-52.5	11.1	0.5	332.4	0.14	95.12
52.5-53.0	10.7	0.5	332.8	0.13	95.25
53.0-53.5	10.5	0.5	333.3	0.13	95.39
53.5-54.0	10.4	0.5	333.7	0.13	95.52

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

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

Zonal Lumen (Continue 3)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
54.0-54.5	10.1	0.5	334.2	0.13	95.65
54.5-55.0	9.8	0.4	334.6	0.13	95.77
55.0-55.5	9.4	0.4	335.1	0.12	95.89
55.5-56.0	9.1	0.4	335.5	0.12	96.01
56.0-56.5	8.9	0.4	335.9	0.12	96.13
56.5-57.0	8.9	0.4	336.3	0.12	96.24
57.0-57.5	8.8	0.4	336.7	0.12	96.36
57.5-58.0	8.6	0.4	337.1	0.11	96.47
58.0-58.5	8.4	0.4	337.5	0.11	96.59
58.5-59.0	8.1	0.4	337.8	0.11	96.69
59.0-59.5	7.8	0.4	338.2	0.11	96.80
59.5-60.0	7.7	0.4	338.6	0.10	96.90
60.0-60.5	7.5	0.4	338.9	0.10	97.01
60.5-61.0	7.3	0.4	339.3	0.10	97.11
61.0-61.5	7.2	0.3	339.6	0.10	97.21
61.5-62.0	7.0	0.3	340.0	0.10	97.30
62.0-62.5	6.8	0.3	340.3	0.09	97.40
62.5-63.0	6.7	0.3	340.6	0.09	97.49
63.0-63.5	6.5	0.3	340.9	0.09	97.58
63.5-64.0	6.3	0.3	341.3	0.09	97.67
64.0-64.5	6.2	0.3	341.6	0.09	97.76
64.5-65.0	6.0	0.3	341.9	0.09	97.84
65.0-65.5	5.8	0.3	342.1	0.08	97.92
65.5-66.0	5.6	0.3	342.4	0.08	98.00
66.0-66.5	5.3	0.3	342.7	0.08	98.08
66.5-67.0	4.9	0.2	342.9	0.07	98.15
67.0-67.5	4.7	0.2	343.2	0.07	98.22
67.5-68.0	4.6	0.2	343.4	0.07	98.29
68.0-68.5	4.5	0.2	343.6	0.07	98.35
68.5-69.0	4.4	0.2	343.9	0.06	98.42
69.0-69.5	4.2	0.2	344.1	0.06	98.48
69.5-70.0	3.9	0.2	344.3	0.06	98.53
70.0-70.5	3.7	0.2	344.5	0.05	98.59
70.5-71.0	3.5	0.2	344.7	0.05	98.64
71.0-71.5	3.4	0.2	344.8	0.05	98.69
71.5-72.0	3.4	0.2	345.0	0.05	98.74

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

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

Zonal Lumen (Continue 4)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-72.5	3.2	0.2	345.2	0.05	98.79
72.5-73.0	3.0	0.2	345.3	0.05	98.84
73.0-73.5	2.9	0.2	345.5	0.04	98.88
73.5-74.0	2.8	0.1	345.6	0.04	98.92
74.0-74.5	2.6	0.1	345.8	0.04	98.96
74.5-75.0	2.4	0.1	345.9	0.04	98.99
75.0-75.5	2.1	0.1	346.0	0.03	99.03
75.5-76.0	2.0	0.1	346.1	0.03	99.06
76.0-76.5	1.8	0.1	346.2	0.03	99.08
76.5-77.0	1.6	0.1	346.3	0.02	99.11
77.0-77.5	1.4	0.1	346.4	0.02	99.13
77.5-78.0	1.3	0.1	346.4	0.02	99.15
78.0-78.5	1.2	0.1	346.5	0.02	99.17
78.5-79.0	1.2	0.1	346.6	0.02	99.18
79.0-79.5	1.3	0.1	346.6	0.02	99.20
79.5-80.0	1.2	0.1	346.7	0.02	99.22
80.0-80.5	1.0	0.1	346.7	0.02	99.24
80.5-81.0	0.8	0.0	346.8	0.01	99.25
81.0-81.5	0.6	0.0	346.8	0.01	99.26
81.5-82.0	0.7	0.0	346.9	0.01	99.27
82.0-82.5	0.8	0.0	346.9	0.01	99.28
82.5-83.0	0.8	0.0	346.9	0.01	99.30
83.0-83.5	0.7	0.0	347.0	0.01	99.31
83.5-84.0	0.6	0.0	347.0	0.01	99.32
84.0-84.5	0.6	0.0	347.0	0.01	99.32
84.5-85.0	0.4	0.0	347.1	0.01	99.33
85.0-85.5	0.3	0.0	347.1	0.00	99.34
85.5-86.0	0.3	0.0	347.1	0.00	99.34
86.0-86.5	0.3	0.0	347.1	0.00	99.34
86.5-87.0	0.3	0.0	347.1	0.00	99.35
87.0-87.5	0.3	0.0	347.1	0.00	99.35
87.5-88.0	0.3	0.0	347.2	0.00	99.36
88.0-88.5	0.2	0.0	347.2	0.00	99.36
88.5-89.0	0.2	0.0	347.2	0.00	99.36
89.0-89.5	0.2	0.0	347.2	0.00	99.37
89.5-90.0	0.2	0.0	347.2	0.00	99.37

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

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

Zonal Lumen (Continue 5)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
90.0-90.5	0.1	0.0	347.2	0.00	99.37
90.5-91.0	0.2	0.0	347.2	0.00	99.38
91.0-91.5	0.2	0.0	347.2	0.00	99.38
91.5-92.0	0.2	0.0	347.2	0.00	99.38
92.0-92.5	0.2	0.0	347.3	0.00	99.39
92.5-93.0	0.2	0.0	347.3	0.00	99.39
93.0-93.5	0.2	0.0	347.3	0.00	99.39
93.5-94.0	0.3	0.0	347.3	0.00	99.40
94.0-94.5	0.3	0.0	347.3	0.00	99.40
94.5-95.0	0.3	0.0	347.3	0.00	99.41
95.0-95.5	0.3	0.0	347.3	0.00	99.41
95.5-96.0	0.3	0.0	347.4	0.00	99.41
96.0-96.5	0.2	0.0	347.4	0.00	99.42
96.5-97.0	0.2	0.0	347.4	0.00	99.42
97.0-97.5	0.2	0.0	347.4	0.00	99.42
97.5-98.0	0.3	0.0	347.4	0.00	99.43
98.0-98.5	0.3	0.0	347.4	0.00	99.43
98.5-99.0	0.2	0.0	347.4	0.00	99.44
99.0-99.5	0.2	0.0	347.4	0.00	99.44
99.5-100.0	0.3	0.0	347.5	0.00	99.44
100.0-100.5	0.2	0.0	347.5	0.00	99.45
100.5-101.0	0.2	0.0	347.5	0.00	99.45
101.0-101.5	0.3	0.0	347.5	0.00	99.45
101.5-102.0	0.3	0.0	347.5	0.00	99.46
102.0-102.5	0.3	0.0	347.5	0.00	99.46
102.5-103.0	0.2	0.0	347.5	0.00	99.47
103.0-103.5	0.2	0.0	347.5	0.00	99.47
103.5-104.0	0.2	0.0	347.6	0.00	99.47
104.0-104.5	0.2	0.0	347.6	0.00	99.48
104.5-105.0	0.2	0.0	347.6	0.00	99.48
105.0-105.5	0.2	0.0	347.6	0.00	99.48
105.5-106.0	0.3	0.0	347.6	0.00	99.49
106.0-106.5	0.3	0.0	347.6	0.00	99.49
106.5-107.0	0.3	0.0	347.6	0.00	99.50
107.0-107.5	0.3	0.0	347.7	0.00	99.50
107.5-108.0	0.3	0.0	347.7	0.00	99.50

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

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

Zonal Lumen (Continue 6)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-108.5	0.3	0.0	347.7	0.00	99.51
108.5-109.0	0.3	0.0	347.7	0.00	99.51
109.0-109.5	0.3	0.0	347.7	0.00	99.52
109.5-110.0	0.2	0.0	347.7	0.00	99.52
110.0-110.5	0.2	0.0	347.7	0.00	99.52
110.5-111.0	0.3	0.0	347.8	0.00	99.53
111.0-111.5	0.3	0.0	347.8	0.00	99.53
111.5-112.0	0.2	0.0	347.8	0.00	99.54
112.0-112.5	0.2	0.0	347.8	0.00	99.54
112.5-113.0	0.3	0.0	347.8	0.00	99.54
113.0-113.5	0.3	0.0	347.8	0.00	99.55
113.5-114.0	0.4	0.0	347.8	0.01	99.55
114.0-114.5	0.3	0.0	347.9	0.00	99.56
114.5-115.0	0.2	0.0	347.9	0.00	99.56
115.0-115.5	0.3	0.0	347.9	0.00	99.57
115.5-116.0	0.2	0.0	347.9	0.00	99.57
116.0-116.5	0.2	0.0	347.9	0.00	99.57
116.5-117.0	0.2	0.0	347.9	0.00	99.58
117.0-117.5	0.3	0.0	347.9	0.00	99.58
117.5-118.0	0.3	0.0	347.9	0.00	99.58
118.0-118.5	0.3	0.0	348.0	0.00	99.59
118.5-119.0	0.3	0.0	348.0	0.00	99.59
119.0-119.5	0.2	0.0	348.0	0.00	99.59
119.5-120.0	0.2	0.0	348.0	0.00	99.60
120.0-120.5	0.2	0.0	348.0	0.00	99.60
120.5-121.0	0.2	0.0	348.0	0.00	99.60
121.0-121.5	0.2	0.0	348.0	0.00	99.61
121.5-122.0	0.2	0.0	348.0	0.00	99.61
122.0-122.5	0.3	0.0	348.1	0.00	99.61
122.5-123.0	0.3	0.0	348.1	0.00	99.62
123.0-123.5	0.3	0.0	348.1	0.00	99.62
123.5-124.0	0.3	0.0	348.1	0.00	99.63
124.0-124.5	0.4	0.0	348.1	0.00	99.63
124.5-125.0	0.3	0.0	348.1	0.00	99.64
125.0-125.5	0.3	0.0	348.1	0.00	99.64
125.5-126.0	0.3	0.0	348.2	0.00	99.64

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-1600
 Distance: 8.177 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	0.4	0.0	348.2	0.00	99.65
126.5-127.0	0.3	0.0	348.2	0.00	99.65
127.0-127.5	0.3	0.0	348.2	0.00	99.66
127.5-128.0	0.3	0.0	348.2	0.00	99.66
128.0-128.5	0.4	0.0	348.2	0.00	99.67
128.5-129.0	0.3	0.0	348.2	0.00	99.67
129.0-129.5	0.3	0.0	348.3	0.00	99.67
129.5-130.0	0.3	0.0	348.3	0.00	99.68
130.0-130.5	0.4	0.0	348.3	0.00	99.68
130.5-131.0	0.4	0.0	348.3	0.00	99.69
131.0-131.5	0.3	0.0	348.3	0.00	99.69
131.5-132.0	0.3	0.0	348.3	0.00	99.69
132.0-132.5	0.3	0.0	348.3	0.00	99.69
132.5-133.0	0.3	0.0	348.3	0.00	99.70
133.0-133.5	0.3	0.0	348.4	0.00	99.70
133.5-134.0	0.2	0.0	348.4	0.00	99.70
134.0-134.5	0.2	0.0	348.4	0.00	99.71
134.5-135.0	0.2	0.0	348.4	0.00	99.71
135.0-135.5	0.2	0.0	348.4	0.00	99.71
135.5-136.0	0.3	0.0	348.4	0.00	99.71
136.0-136.5	0.4	0.0	348.4	0.00	99.72
136.5-137.0	0.3	0.0	348.4	0.00	99.72
137.0-137.5	0.3	0.0	348.4	0.00	99.73
137.5-138.0	0.4	0.0	348.5	0.00	99.73
138.0-138.5	0.5	0.0	348.5	0.00	99.73
138.5-139.0	0.4	0.0	348.5	0.00	99.74
139.0-139.5	0.4	0.0	348.5	0.00	99.74
139.5-140.0	0.4	0.0	348.5	0.00	99.75
140.0-140.5	0.5	0.0	348.5	0.00	99.75
140.5-141.0	0.4	0.0	348.5	0.00	99.76
141.0-141.5	0.3	0.0	348.6	0.00	99.76
141.5-142.0	0.3	0.0	348.6	0.00	99.76
142.0-142.5	0.3	0.0	348.6	0.00	99.77
142.5-143.0	0.3	0.0	348.6	0.00	99.77
143.0-143.5	0.3	0.0	348.6	0.00	99.77
143.5-144.0	0.3	0.0	348.6	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-1600
 Distance: 8.177 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	0.4	0.0	348.6	0.00	99.78
144.5-145.0	0.4	0.0	348.6	0.00	99.78
145.0-145.5	0.4	0.0	348.6	0.00	99.78
145.5-146.0	0.6	0.0	348.7	0.01	99.79
146.0-146.5	0.6	0.0	348.7	0.00	99.79
146.5-147.0	0.5	0.0	348.7	0.00	99.80
147.0-147.5	0.6	0.0	348.7	0.01	99.80
147.5-148.0	0.7	0.0	348.7	0.01	99.81
148.0-148.5	0.7	0.0	348.8	0.01	99.82
148.5-149.0	0.6	0.0	348.8	0.00	99.82
149.0-149.5	0.6	0.0	348.8	0.00	99.83
149.5-150.0	0.5	0.0	348.8	0.00	99.83
150.0-150.5	0.5	0.0	348.8	0.00	99.83
150.5-151.0	0.5	0.0	348.8	0.00	99.84
151.0-151.5	0.5	0.0	348.8	0.00	99.84
151.5-152.0	0.5	0.0	348.9	0.00	99.84
152.0-152.5	0.5	0.0	348.9	0.00	99.85
152.5-153.0	0.5	0.0	348.9	0.00	99.85
153.0-153.5	0.5	0.0	348.9	0.00	99.86
153.5-154.0	0.5	0.0	348.9	0.00	99.86
154.0-154.5	0.5	0.0	348.9	0.00	99.86
154.5-155.0	0.4	0.0	348.9	0.00	99.87
155.0-155.5	0.4	0.0	348.9	0.00	99.87
155.5-156.0	0.4	0.0	348.9	0.00	99.87
156.0-156.5	0.4	0.0	349.0	0.00	99.87
156.5-157.0	0.4	0.0	349.0	0.00	99.87
157.0-157.5	0.4	0.0	349.0	0.00	99.88
157.5-158.0	0.6	0.0	349.0	0.00	99.88
158.0-158.5	0.8	0.0	349.0	0.00	99.89
158.5-159.0	0.8	0.0	349.0	0.00	99.89
159.0-159.5	0.8	0.0	349.0	0.00	99.89
159.5-160.0	0.8	0.0	349.0	0.00	99.90
160.0-160.5	0.8	0.0	349.1	0.00	99.90
160.5-161.0	0.8	0.0	349.1	0.00	99.91
161.0-161.5	0.8	0.0	349.1	0.00	99.91
161.5-162.0	0.8	0.0	349.1	0.00	99.92

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

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

Zonal Lumen (Continue 9)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
162.0-162.5	0.9	0.0	349.1	0.00	99.92
162.5-163.0	0.9	0.0	349.1	0.00	99.92
163.0-163.5	0.9	0.0	349.2	0.00	99.93
163.5-164.0	1.0	0.0	349.2	0.00	99.93
164.0-164.5	0.9	0.0	349.2	0.00	99.94
164.5-165.0	1.0	0.0	349.2	0.00	99.94
165.0-165.5	1.0	0.0	349.2	0.00	99.95
165.5-166.0	0.8	0.0	349.2	0.00	99.95
166.0-166.5	0.6	0.0	349.2	0.00	99.95
166.5-167.0	0.6	0.0	349.2	0.00	99.95
167.0-167.5	0.7	0.0	349.2	0.00	99.96
167.5-168.0	0.8	0.0	349.3	0.00	99.96
168.0-168.5	0.9	0.0	349.3	0.00	99.96
168.5-169.0	0.9	0.0	349.3	0.00	99.96
169.0-169.5	0.9	0.0	349.3	0.00	99.97
169.5-170.0	1.0	0.0	349.3	0.00	99.97
170.0-170.5	1.1	0.0	349.3	0.00	99.97
170.5-171.0	1.1	0.0	349.3	0.00	99.97
171.0-171.5	1.1	0.0	349.3	0.00	99.98
171.5-172.0	1.2	0.0	349.3	0.00	99.98
172.0-172.5	1.3	0.0	349.3	0.00	99.98
172.5-173.0	1.3	0.0	349.3	0.00	99.99
173.0-173.5	1.0	0.0	349.4	0.00	99.99
173.5-174.0	0.8	0.0	349.4	0.00	99.99
174.0-174.5	0.9	0.0	349.4	0.00	99.99
174.5-175.0	1.0	0.0	349.4	0.00	99.99
175.0-175.5	1.0	0.0	349.4	0.00	99.99
175.5-176.0	1.2	0.0	349.4	0.00	99.99
176.0-176.5	1.4	0.0	349.4	0.00	100.00
176.5-177.0	1.4	0.0	349.4	0.00	100.00
177.0-177.5	1.4	0.0	349.4	0.00	100.00
177.5-178.0	1.3	0.0	349.4	0.00	100.00
178.0-178.5	1.4	0.0	349.4	0.00	100.00
178.5-179.0	1.4	0.0	349.4	0.00	100.00
179.0-179.5	1.4	0.0	349.4	0.00	100.00
179.5-180.0	1.3	0.0	349.4	0.00	100.00

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

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

Candlepower Table

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G0.0	647.4	633.3	637.8	639.4	647.4	633.3	637.8	639.4	647.4	
G0.5	655.8	631.1	649.5	641.5	642.7	618.5	631.0	625.6	655.8	
G1.0	639.6	628.4	643.4	651.3	654.1	621.5	626.2	635.0	639.6	
G1.5	636.7	637.1	641.9	651.3	645.1	622.0	621.0	630.9	636.7	
G2.0	631.7	628.0	653.3	652.3	650.8	617.6	618.4	616.8	631.7	
G2.5	630.4	635.4	649.7	650.0	650.0	613.3	606.9	605.6	630.4	
G3.0	627.7	634.3	649.4	654.3	642.9	612.2	603.4	600.4	627.7	
G3.5	617.9	624.4	655.0	657.0	645.4	612.5	593.1	588.8	617.9	
G4.0	615.1	632.7	650.5	652.1	639.6	608.4	589.7	587.0	615.1	
G4.5	603.0	627.7	655.7	660.8	636.2	594.4	580.5	579.5	603.0	
G5.0	604.6	616.2	655.1	657.0	631.7	600.4	570.8	577.7	604.6	
G5.5	602.8	615.1	653.8	662.8	631.8	592.4	563.8	570.0	602.8	
G6.0	598.3	614.1	657.8	657.2	625.8	578.2	554.3	553.5	598.3	
G6.5	590.5	609.2	646.3	652.5	621.6	575.0	544.4	547.7	590.5	
G7.0	581.4	605.4	649.9	648.4	613.2	573.2	549.7	545.9	581.4	
G7.5	578.3	596.6	639.3	648.4	610.0	566.3	535.1	536.4	578.3	
G8.0	568.2	588.2	637.6	647.9	601.7	552.6	529.2	534.6	568.2	
G8.5	559.5	590.2	633.6	638.0	596.8	549.5	521.3	515.3	559.5	
G9.0	544.7	585.5	625.8	637.6	590.7	534.0	513.1	508.2	544.7	
G9.5	543.7	567.4	619.4	627.1	584.1	536.3	507.7	499.0	543.7	
G10.0	535.2	556.6	614.9	623.2	577.4	517.5	491.7	491.3	535.2	
G10.5	525.1	558.8	606.9	619.6	566.4	515.1	480.9	480.8	525.1	
G11.0	511.4	549.5	591.6	612.2	558.1	502.3	476.1	464.7	511.4	
G11.5	503.3	528.8	584.0	607.9	557.7	495.0	462.7	459.7	503.3	
G12.0	489.7	517.7	578.6	589.8	543.9	483.5	458.8	450.6	489.7	
G12.5	476.8	509.9	563.2	588.8	534.6	467.9	444.8	439.7	476.8	
G13.0	469.2	508.5	565.7	578.3	527.1	465.5	432.2	425.9	469.2	
G13.5	451.9	493.4	551.8	564.0	515.7	456.3	425.3	419.6	451.9	
G14.0	441.6	484.5	538.5	549.1	504.4	442.3	414.0	409.1	441.6	
G14.5	431.4	470.8	516.4	540.6	494.6	429.8	402.9	397.1	431.4	
G15.0	419.5	453.8	510.7	526.2	487.3	430.0	389.9	386.4	419.5	
G15.5	405.2	441.6	492.7	515.2	471.6	415.1	379.4	370.7	405.2	
G16.0	395.7	433.4	480.4	500.0	457.8	405.1	370.3	360.3	395.7	
G16.5	381.9	417.9	475.8	490.9	445.6	395.7	361.8	345.4	381.9	
G17.0	366.6	398.3	456.5	477.8	435.7	383.3	349.7	335.7	366.6	
G17.5	358.6	387.4	441.9	457.6	420.5	374.2	337.8	325.6	358.6	
G18.0	339.5	374.6	424.0	443.6	404.2	362.0	325.2	314.5	339.5	

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

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

Candlepower Table (Continue 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	326.4	363.8	409.7	434.8	394.6	349.6	311.2	301.0	326.4	
G19.0	316.6	349.6	394.2	419.6	381.5	335.0	302.6	289.0	316.6	
G19.5	301.4	334.5	383.0	402.2	373.6	324.2	294.1	278.6	301.4	
G20.0	294.5	323.0	369.3	389.4	355.6	311.7	280.6	267.3	294.5	
G20.5	278.5	310.6	358.4	375.9	341.3	301.3	270.4	253.9	278.5	
G21.0	268.4	296.7	345.5	359.1	326.5	289.0	260.1	243.3	268.4	
G21.5	257.3	282.4	325.0	344.6	317.9	276.8	250.0	234.7	257.3	
G22.0	245.4	272.2	312.6	331.2	304.9	264.4	236.6	224.8	245.4	
G22.5	237.7	257.7	301.1	318.8	290.5	251.3	229.3	213.0	237.7	
G23.0	225.5	245.5	285.6	305.8	281.3	242.8	216.0	203.8	225.5	
G23.5	213.4	232.0	273.2	288.2	266.6	231.1	208.9	190.9	213.4	
G24.0	200.8	224.1	259.4	274.7	255.7	221.6	196.9	183.2	200.8	
G24.5	192.7	212.3	246.0	261.5	244.1	214.3	187.0	172.3	192.7	
G25.0	181.6	197.4	233.7	249.4	230.8	202.1	178.3	164.9	181.6	
G25.5	170.5	186.1	220.3	236.1	220.9	195.3	167.6	155.1	170.5	
G26.0	159.7	179.1	211.4	224.3	209.5	180.8	159.8	146.1	159.7	
G26.5	152.2	170.2	198.0	215.0	198.8	171.2	150.1	137.3	152.2	
G27.0	142.5	160.8	188.4	203.1	189.0	161.3	142.4	129.3	142.5	
G27.5	134.3	151.5	177.4	194.6	178.4	154.5	134.3	123.5	134.3	
G28.0	126.0	144.1	172.0	183.1	170.2	149.9	126.6	115.0	126.0	
G28.5	119.7	135.0	159.6	172.6	159.6	141.3	119.7	107.8	119.7	
G29.0	112.5	125.6	151.0	162.9	152.5	133.7	112.5	101.0	112.5	
G29.5	105.3	118.8	140.2	153.3	142.9	127.1	106.2	94.8	105.3	
G30.0	99.1	112.2	133.5	145.2	133.8	117.7	100.0	89.3	99.1	
G30.5	93.3	105.6	126.6	136.4	128.2	111.3	92.9	84.7	93.3	
G31.0	88.2	100.0	119.4	129.0	118.8	104.8	87.1	78.8	88.2	
G31.5	81.0	92.8	110.6	120.4	111.8	98.2	82.0	74.8	81.0	
G32.0	75.6	87.1	104.9	114.8	105.8	90.2	77.6	69.8	75.6	
G32.5	70.8	82.6	98.2	105.6	98.1	85.8	72.4	64.7	70.8	
G33.0	67.0	77.3	90.9	99.6	93.4	82.2	67.8	60.2	67.0	
G33.5	62.6	72.8	85.3	93.9	87.2	76.4	63.6	56.6	62.6	
G34.0	58.7	68.4	79.1	88.2	82.6	72.1	59.5	53.5	58.7	
G34.5	55.0	65.0	74.2	83.0	76.8	67.0	55.7	50.0	55.0	
G35.0	52.6	60.3	70.3	78.0	72.4	62.0	52.8	47.5	52.6	
G35.5	48.6	56.5	66.5	73.0	68.6	58.1	48.7	43.9	48.6	
G36.0	46.2	53.0	61.8	68.5	64.3	56.4	45.9	41.2	46.2	
G36.5	43.5	50.2	58.2	64.8	60.0	52.5	42.9	38.8	43.5	

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

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

Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G37.0	41.0	47.2	55.1	60.4	56.0	49.8	40.1	36.4	41.0	
G37.5	38.6	44.4	53.3	56.8	52.6	46.4	38.0	33.2	38.6	
G38.0	36.6	41.8	49.3	53.3	49.3	43.1	35.7	31.0	36.6	
G38.5	34.6	38.6	46.1	49.9	46.5	40.0	33.6	29.1	34.6	
G39.0	32.5	36.9	42.5	46.9	43.9	38.0	31.6	28.7	32.5	
G39.5	30.6	34.2	39.8	44.0	41.2	36.4	29.7	27.4	30.6	
G40.0	29.3	32.6	37.8	41.7	39.1	34.3	28.0	25.6	29.3	
G40.5	27.8	30.7	35.4	39.3	36.4	31.8	26.4	24.5	27.8	
G41.0	25.9	29.3	33.3	37.2	33.5	29.9	24.8	23.0	25.9	
G41.5	24.4	27.8	31.0	34.9	31.6	28.8	23.0	21.9	24.4	
G42.0	23.4	26.1	29.6	32.9	29.5	26.8	21.8	21.0	23.4	
G42.5	22.0	25.2	27.5	31.1	27.8	24.8	20.8	19.7	22.0	
G43.0	21.0	23.9	26.3	29.4	26.0	24.0	19.7	18.7	21.0	
G43.5	19.7	22.4	24.8	28.0	24.4	23.3	18.5	18.0	19.7	
G44.0	18.9	21.5	23.2	26.5	24.9	21.9	17.7	17.1	18.9	
G44.5	18.9	20.4	22.0	25.1	23.6	21.0	16.9	16.3	18.9	
G45.0	17.2	19.4	20.7	24.0	22.3	20.1	16.1	15.7	17.2	
G45.5	16.6	18.5	19.8	22.7	21.0	18.9	15.5	15.0	16.6	
G46.0	15.9	17.8	18.7	21.3	19.8	18.0	14.6	14.5	15.9	
G46.5	15.5	16.7	17.8	20.2	19.6	17.2	13.9	14.0	15.5	
G47.0	14.9	16.1	17.0	19.3	18.1	16.4	13.5	13.2	14.9	
G47.5	14.3	15.4	16.4	18.3	16.0	15.6	12.8	13.0	14.3	
G48.0	13.7	14.8	15.3	17.6	15.2	14.4	12.2	12.7	13.7	
G48.5	13.4	14.1	14.6	16.6	14.2	14.4	11.6	12.1	13.4	
G49.0	13.3	13.9	14.1	16.1	13.9	14.1	11.2	11.5	13.3	
G49.5	12.4	13.4	13.4	15.5	13.3	13.5	10.9	11.4	12.4	
G50.0	12.1	13.0	12.7	14.8	12.3	13.2	10.5	11.2	12.1	
G50.5	11.7	12.7	12.2	14.3	12.1	12.7	10.1	10.8	11.7	
G51.0	11.5	12.1	11.7	13.9	11.7	12.0	9.8	10.8	11.5	
G51.5	11.0	11.5	12.5	13.3	11.3	12.0	9.4	10.5	11.0	
G52.0	10.8	11.5	12.5	12.8	12.5	11.7	9.3	8.7	10.8	
G52.5	10.6	11.1	11.7	13.1	12.1	11.1	9.1	8.5	10.6	
G53.0	10.3	10.6	11.6	12.0	11.7	10.9	8.8	8.4	10.3	
G53.5	10.2	10.6	11.1	11.6	11.4	10.4	8.6	9.9	10.2	
G54.0	10.0	10.4	11.0	11.2	11.1	10.4	8.3	9.6	10.0	
G54.5	10.2	10.2	10.8	11.0	10.7	9.9	8.2	9.1	10.2	
G55.0	9.6	9.9	10.2	10.9	8.9	9.7	8.0	9.1	9.6	

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-1600
 Distance: 8.177 m
 Humidity:
 Inspector:

Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G55.5	9.5	9.6	10.1	10.6	8.6	8.2	7.8	9.1	9.5	
G56.0	9.2	9.4	9.8	10.4	8.3	7.9	7.6	8.9	9.2	
G56.5	9.1	9.2	9.5	10.0	10.0	7.5	7.4	8.6	9.1	
G57.0	8.9	8.9	9.2	9.8	9.6	9.0	7.2	8.4	8.9	
G57.5	8.6	8.8	9.0	9.5	9.4	8.9	7.1	8.4	8.6	
G58.0	9.0	8.6	8.8	9.2	9.0	8.7	7.0	8.2	9.0	
G58.5	8.8	8.4	7.1	9.3	8.8	8.4	6.8	8.0	8.8	
G59.0	8.0	8.1	7.1	9.0	8.7	8.1	6.4	7.9	8.0	
G59.5	7.8	7.8	7.0	9.1	8.4	8.0	6.5	7.8	7.8	
G60.0	7.6	7.8	6.5	9.1	8.2	8.0	6.5	7.6	7.6	
G60.5	7.7	7.1	6.6	8.6	8.1	7.9	6.0	7.5	7.7	
G61.0	7.3	7.2	6.4	8.1	7.9	7.8	6.1	7.1	7.3	
G61.5	7.3	7.4	6.0	8.0	7.6	7.4	5.9	7.0	7.3	
G62.0	6.7	7.1	6.0	7.7	7.5	7.2	5.5	7.1	6.7	
G62.5	7.1	7.0	5.8	7.5	7.4	6.8	5.6	6.8	7.1	
G63.0	6.8	6.3	5.4	7.4	8.0	6.7	5.3	6.5	6.8	
G63.5	6.7	6.6	5.6	7.2	7.1	6.4	4.8	6.5	6.7	
G64.0	6.0	6.3	5.3	7.1	7.0	6.7	4.9	6.3	6.0	
G64.5	6.6	6.2	5.2	6.8	6.7	6.5	4.8	6.1	6.6	
G65.0	6.0	5.9	5.0	6.8	6.7	6.4	4.6	5.9	6.0	
G65.5	5.8	5.9	4.7	6.7	6.7	6.2	4.3	5.8	5.8	
G66.0	5.7	5.6	4.6	6.3	6.2	5.6	4.2	5.5	5.7	
G66.5	5.5	6.1	4.4	6.2	4.6	4.2	4.1	5.3	5.5	
G67.0	5.3	5.3	4.3	6.1	4.4	4.0	3.8	5.2	5.3	
G67.5	5.0	5.0	4.1	5.9	4.2	3.9	3.7	5.0	5.0	
G68.0	4.9	4.4	3.9	5.8	4.1	5.3	3.5	4.5	4.9	
G68.5	4.7	4.8	3.7	5.6	3.9	5.1	3.3	4.7	4.7	
G69.0	4.4	4.7	3.5	5.3	3.7	5.0	3.2	4.6	4.4	
G69.5	4.4	4.4	3.3	5.3	3.7	4.6	3.0	4.2	4.4	
G70.0	4.2	4.3	3.2	5.1	3.4	4.5	2.7	2.5	4.2	
G70.5	4.0	4.1	3.0	4.9	3.3	4.4	2.5	2.3	4.0	
G71.0	3.9	4.0	2.8	4.6	3.1	4.1	2.4	2.2	3.9	
G71.5	3.7	3.8	2.6	4.6	2.9	4.2	2.2	3.7	3.7	
G72.0	3.5	3.6	2.5	4.5	2.8	4.0	2.0	3.5	3.5	
G72.5	3.4	3.3	2.2	4.2	2.6	4.0	1.8	3.4	3.4	
G73.0	3.2	3.3	2.1	4.0	2.4	3.7	1.7	3.2	3.2	
G73.5	3.0	3.2	1.9	4.0	2.3	3.6	1.5	3.0	3.0	

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

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

Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G74.0	2.7	2.8	3.0	3.6	2.0	3.4	1.4	2.9	2.7	
G74.5	2.7	2.9	3.2	3.7	1.9	3.3	1.0	1.0	2.7	
G75.0	2.5	2.6	2.8	3.5	1.7	3.0	1.1	0.9	2.5	
G75.5	2.2	2.4	1.0	3.4	1.5	3.5	0.9	0.7	2.2	
G76.0	2.3	2.4	1.1	3.1	1.4	2.5	0.5	2.3	2.3	
G76.5	2.1	2.3	1.0	3.0	1.2	1.0	0.7	2.1	2.1	
G77.0	1.8	2.0	1.0	2.9	0.9	0.9	0.6	2.0	1.8	
G77.5	1.9	2.0	0.8	2.1	1.0	0.5	0.2	1.7	1.9	
G78.0	1.7	2.0	0.6	2.5	0.8	0.6	0.3	1.6	1.7	
G78.5	1.5	1.8	0.4	2.4	0.5	0.5	0.1	1.6	1.5	
G79.0	1.4	1.7	0.4	2.1	2.7	0.2	0.0	1.3	1.4	
G79.5	1.3	1.5	0.2	2.1	2.1	1.8	0.0	1.3	1.3	
G80.0	1.2	1.4	0.1	1.9	1.8	1.7	0.0	1.1	1.2	
G80.5	1.0	1.3	0.0	1.6	0.2	1.5	0.0	1.1	1.0	
G81.0	1.0	1.2	0.0	1.8	0.1	1.5	0.0	0.0	1.0	
G81.5	0.9	1.1	0.0	1.6	0.0	1.3	0.0	0.0	0.9	
G82.0	0.7	0.8	1.0	1.5	1.5	1.2	0.0	0.0	0.7	
G82.5	0.7	0.9	0.8	1.3	0.8	1.1	0.0	0.7	0.7	
G83.0	0.6	0.7	0.7	1.2	1.2	0.9	0.0	0.6	0.6	
G83.5	0.3	0.4	0.5	1.1	1.1	0.8	0.0	0.6	0.3	
G84.0	0.5	0.6	0.6	0.9	1.0	0.7	0.0	0.1	0.5	
G84.5	0.4	0.7	0.8	0.8	1.0	0.7	0.0	0.0	0.4	
G85.0	0.3	0.5	0.3	0.7	0.0	0.6	0.0	0.0	0.3	
G85.5	0.4	0.2	0.3	0.5	0.0	0.4	0.0	0.0	0.4	
G86.0	0.4	0.4	0.2	0.6	0.0	0.4	0.0	0.4	0.4	
G86.5	0.4	0.4	0.2	0.5	0.0	0.4	0.0	0.4	0.4	
G87.0	1.0	0.7	0.0	0.3	0.0	0.4	0.0	0.2	1.0	
G87.5	0.4	0.4	0.2	0.4	0.0	0.4	0.0	0.3	0.4	
G88.0	0.3	0.4	0.2	0.5	0.0	0.3	0.0	0.3	0.3	
G88.5	0.3	0.3	0.0	0.3	0.0	0.4	0.0	0.3	0.3	
G89.0	0.8	0.2	0.0	0.4	0.0	0.3	0.0	0.0	0.8	
G89.5	0.0	0.4	0.1	0.4	0.0	0.9	0.0	0.0	0.0	
G90.0	0.2	0.0	0.1	0.3	0.0	0.4	0.0	0.0	0.2	
G90.5	0.4	0.0	0.0	0.2	0.0	0.3	0.0	0.4	0.4	
G91.0	0.8	0.0	0.0	0.4	0.0	0.4	0.0	0.4	0.8	
G91.5	0.4	0.0	0.0	0.4	0.0	0.4	0.0	0.1	0.4	
G92.0	0.4	0.3	0.0	0.2	0.0	0.3	0.0	0.4	0.4	

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

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

Candlepower Table (Continue 5)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0
G92.5	0.4	0.3	0.2	0.4	0.0	0.3	0.0	0.4	0.4
G93.0	0.0	0.4	0.1	0.4	0.0	0.0	0.0	0.4	0.0
G93.5	0.3	0.4	0.1	0.4	0.0	0.3	0.0	0.2	0.3
G94.0	0.8	0.4	0.1	0.4	0.0	0.2	0.0	0.4	0.8
G94.5	0.4	0.3	0.3	0.4	0.4	0.4	0.0	0.2	0.4
G95.0	0.0	0.4	0.1	0.4	0.4	0.0	0.0	0.2	0.0
G95.5	0.4	0.8	0.1	0.3	0.4	0.2	0.0	0.3	0.4
G96.0	0.4	0.4	0.2	0.4	0.0	0.3	0.0	0.3	0.4
G96.5	0.2	0.2	0.4	0.5	0.0	0.4	0.0	0.2	0.2
G97.0	0.4	0.4	0.1	0.2	0.0	0.3	0.0	0.0	0.4
G97.5	0.5	0.3	0.0	0.4	0.3	0.4	0.0	0.0	0.5
G98.0	0.5	0.2	0.2	0.7	0.4	0.4	0.0	0.0	0.5
G98.5	0.5	0.4	0.2	0.2	0.4	0.4	0.0	0.0	0.5
G99.0	0.4	0.4	0.1	0.4	0.0	0.4	0.0	0.0	0.4
G99.5	0.4	0.4	0.1	0.4	0.0	0.4	0.0	0.0	0.4
G100.0	0.3	0.9	0.2	0.5	0.0	0.4	0.0	0.0	0.3
G100.5	0.4	0.4	0.1	0.5	0.0	0.1	0.0	0.0	0.4
G101.0	0.7	0.4	0.0	1.0	0.0	0.3	0.0	0.0	0.7
G101.5	0.3	0.3	0.0	0.4	0.0	0.3	0.0	0.5	0.3
G102.0	0.4	0.3	0.0	0.2	0.0	0.2	0.0	1.0	0.4
G102.5	0.4	1.0	0.0	0.3	0.0	0.3	0.0	0.1	0.4
G103.0	0.2	0.2	0.0	0.4	0.0	0.4	0.0	0.4	0.2
G103.5	0.4	0.1	0.0	0.2	0.0	0.3	0.0	0.4	0.4
G104.0	0.4	0.4	0.0	0.3	0.0	0.3	0.0	0.4	0.4
G104.5	0.4	0.2	0.0	0.4	0.0	0.4	0.0	0.4	0.4
G105.0	0.5	0.5	0.0	0.5	0.0	0.3	0.0	0.0	0.5
G105.5	0.0	0.4	0.0	0.5	0.3	0.3	0.0	0.6	0.0
G106.0	0.4	0.4	0.0	0.4	0.4	0.3	0.0	0.4	0.4
G106.5	0.4	0.4	0.0	0.4	0.2	0.1	0.0	0.4	0.4
G107.0	0.5	0.1	0.1	0.4	0.4	0.3	0.0	0.4	0.5
G107.5	0.4	0.4	0.2	0.3	0.4	0.4	0.0	0.3	0.4
G108.0	0.3	0.2	0.1	0.4	0.3	0.4	0.0	0.4	0.3
G108.5	0.4	0.3	0.4	0.2	0.4	0.4	0.0	0.4	0.4
G109.0	0.4	0.3	0.1	0.4	0.4	0.4	0.0	0.3	0.4
G109.5	0.6	0.2	0.2	0.3	0.4	0.4	0.0	0.0	0.6
G110.0	0.4	0.3	0.1	0.2	0.4	0.4	0.0	0.0	0.4
G110.5	0.4	0.4	0.2	0.4	0.2	0.4	0.0	0.0	0.4

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

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

Candlepower Table (Continue 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	0.4	0.6	0.2	0.5	0.6	0.5	0.0	0.0	0.4	
G111.5	0.5	0.4	0.1	0.6	0.4	0.2	0.0	0.0	0.5	
G112.0	0.5	0.0	0.0	0.0	0.4	0.3	0.0	0.0	0.5	
G112.5	0.4	0.4	0.1	0.4	0.4	0.4	0.0	0.4	0.4	
G113.0	0.5	0.0	0.7	0.4	0.5	0.2	0.0	0.4	0.5	
G113.5	0.4	0.4	0.2	0.4	0.4	0.4	0.0	0.4	0.4	
G114.0	0.5	0.4	0.2	0.4	0.3	0.4	0.0	0.9	0.5	
G114.5	0.3	0.3	0.1	0.5	0.2	0.2	0.0	0.5	0.3	
G115.0	0.0	0.4	0.0	0.3	0.4	0.4	0.0	0.3	0.0	
G115.5	0.5	0.4	0.1	0.5	0.5	0.4	0.0	0.0	0.5	
G116.0	0.3	0.2	0.0	0.4	0.3	0.4	0.0	0.0	0.3	
G116.5	0.0	1.0	0.0	0.2	0.0	0.4	0.0	0.0	0.0	
G117.0	0.4	0.4	0.0	0.4	0.0	0.4	0.0	0.0	0.4	
G117.5	0.5	1.3	0.0	0.4	0.0	0.4	0.0	0.0	0.5	
G118.0	0.5	0.8	0.0	0.4	0.0	0.5	0.0	0.0	0.5	
G118.5	0.5	0.4	0.0	0.5	0.0	0.4	0.0	0.5	0.5	
G119.0	0.5	0.4	0.0	0.4	0.0	0.5	0.0	0.3	0.5	
G119.5	0.3	0.2	0.0	0.5	0.0	0.3	0.0	0.5	0.3	
G120.0	0.4	0.4	0.0	0.4	0.0	0.4	0.0	0.3	0.4	
G120.5	0.5	0.4	0.0	0.3	0.0	0.3	0.0	0.5	0.5	
G121.0	0.3	0.3	0.0	0.4	0.0	0.2	0.0	0.5	0.3	
G121.5	0.5	0.4	0.0	0.2	0.0	0.4	0.0	0.3	0.5	
G122.0	0.5	0.4	0.0	0.1	0.0	0.6	0.0	0.5	0.5	
G122.5	0.7	0.3	0.2	0.5	0.0	0.4	0.0	0.8	0.7	
G123.0	0.6	0.4	0.2	0.3	0.0	0.3	0.0	0.3	0.6	
G123.5	0.5	0.5	0.2	0.5	0.0	0.5	0.0	0.5	0.5	
G124.0	0.5	0.5	0.0	0.5	0.4	0.4	0.0	0.5	0.5	
G124.5	0.6	0.5	0.0	0.5	0.4	0.4	0.0	0.5	0.6	
G125.0	0.5	0.3	0.0	0.6	0.5	0.0	0.0	0.5	0.5	
G125.5	0.3	0.4	0.0	0.4	0.5	0.3	0.0	0.5	0.3	
G126.0	0.4	0.5	0.0	0.5	0.5	0.6	0.0	0.5	0.4	
G126.5	0.5	0.4	0.0	0.5	0.5	0.5	0.0	0.5	0.5	
G127.0	0.5	0.4	0.0	0.4	0.3	0.4	0.0	0.5	0.5	
G127.5	0.3	0.3	0.0	0.4	0.5	0.3	0.0	0.8	0.3	
G128.0	0.9	0.4	0.0	0.3	0.5	0.5	0.0	0.4	0.9	
G128.5	0.6	0.5	0.0	0.4	0.3	0.5	0.0	0.5	0.6	
G129.0	0.6	0.2	0.0	0.4	0.0	0.3	0.0	0.6	0.6	

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-1600
 Distance: 8.177 m
 Humidity:
 Inspector:

Candlepower Table (Continue 7)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G129.5	0.6	0.5	0.0	0.1	0.0	0.5	0.0	0.4	0.6	
G130.0	0.6	1.0	0.0	0.3	0.0	0.5	0.0	0.6	0.6	
G130.5	0.6	0.5	0.0	0.3	0.5	0.5	0.0	0.6	0.6	
G131.0	0.6	0.5	0.0	0.3	0.4	0.5	0.0	0.4	0.6	
G131.5	0.6	0.0	0.0	0.0	0.5	1.2	0.0	0.0	0.6	
G132.0	0.6	0.5	0.0	0.0	0.3	0.5	0.0	0.0	0.6	
G132.5	0.4	0.6	0.0	0.0	0.6	0.5	0.0	0.0	0.4	
G133.0	0.9	0.6	0.0	0.0	0.6	0.9	0.0	0.0	0.9	
G133.5	0.7	0.3	0.0	0.0	0.0	0.5	0.0	0.0	0.7	
G134.0	0.5	0.4	0.0	0.0	0.0	0.4	0.0	0.0	0.5	
G134.5	0.6	0.6	0.0	0.0	0.0	0.6	0.0	0.0	0.6	
G135.0	0.7	0.6	0.0	0.0	0.0	0.6	0.0	0.0	0.7	
G135.5	0.8	0.4	0.0	0.0	0.0	0.4	0.0	0.0	0.8	
G136.0	0.9	0.6	0.0	0.0	0.0	1.3	0.0	0.8	0.9	
G136.5	0.8	0.6	0.0	0.0	0.0	0.6	0.0	0.8	0.8	
G137.0	0.8	0.1	0.0	0.0	0.0	0.5	0.0	0.8	0.8	
G137.5	0.8	0.8	0.0	0.0	0.0	1.0	0.0	0.4	0.8	
G138.0	0.8	0.7	0.0	0.0	0.6	0.8	0.0	0.8	0.8	
G138.5	0.8	0.7	0.0	0.0	0.7	0.6	0.0	0.8	0.8	
G139.0	0.8	0.8	0.0	0.0	0.2	0.9	0.0	0.7	0.8	
G139.5	0.8	0.7	0.0	0.0	0.1	0.8	0.0	0.8	0.8	
G140.0	0.7	0.7	0.0	0.0	0.8	0.6	0.0	0.8	0.7	
G140.5	0.7	0.6	0.0	0.0	0.8	0.8	0.0	0.8	0.7	
G141.0	0.8	0.8	0.0	0.0	0.6	0.8	0.0	0.0	0.8	
G141.5	0.9	0.8	0.0	0.0	0.0	0.8	0.0	0.0	0.9	
G142.0	0.8	0.7	0.0	0.0	0.0	0.8	0.0	0.0	0.8	
G142.5	1.0	0.8	0.0	0.0	0.0	0.8	0.0	0.0	1.0	
G143.0	0.5	0.8	0.0	0.0	0.0	0.8	0.0	0.0	0.5	
G143.5	1.1	0.9	0.0	0.0	0.0	0.6	0.0	0.0	1.1	
G144.0	1.1	0.8	0.0	0.0	0.0	0.9	0.0	0.0	1.1	
G144.5	1.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	
G145.0	1.0	0.9	0.0	0.0	0.0	0.8	0.0	0.0	1.0	
G145.5	1.2	1.0	0.0	0.0	0.0	1.1	0.0	1.1	1.2	
G146.0	1.1	1.0	0.0	0.0	0.0	1.5	0.0	1.1	1.1	
G146.5	1.1	1.0	0.0	0.0	0.0	0.8	0.0	1.1	1.1	
G147.0	1.1	0.8	0.0	0.0	0.0	1.0	0.0	1.1	1.1	
G147.5	1.2	1.1	0.0	0.0	1.0	1.0	0.0	1.2	1.2	

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

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

Candlepower Table (Continue 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	1.9	1.1	0.0	0.0	1.0	1.0	0.0	1.2	1.9	
G148.5	1.0	1.0	0.0	0.0	1.0	0.9	0.0	1.2	1.0	
G149.0	1.2	1.1	0.0	0.0	0.0	1.1	0.0	1.3	1.2	
G149.5	1.1	1.2	0.0	0.0	0.0	1.1	0.0	1.2	1.1	
G150.0	1.1	1.1	0.0	0.0	0.0	0.0	0.0	1.2	1.1	
G150.5	1.3	1.2	0.0	0.0	0.0	0.0	0.0	1.3	1.3	
G151.0	1.4	1.2	0.0	0.0	0.0	0.0	0.0	1.4	1.4	
G151.5	1.3	1.3	0.0	0.0	0.0	0.0	0.0	1.2	1.3	
G152.0	1.5	1.3	0.0	0.0	0.0	0.0	0.0	1.4	1.5	
G152.5	1.4	1.2	0.0	0.0	0.0	0.0	0.0	1.5	1.4	
G153.0	1.7	1.3	0.0	0.0	0.0	0.0	0.0	1.3	1.7	
G153.5	0.9	1.2	0.0	0.0	1.3	0.0	0.0	0.0	0.9	
G154.0	1.5	1.4	0.0	0.0	1.1	0.0	0.0	0.0	1.5	
G154.5	1.6	1.4	0.0	0.0	1.4	0.0	0.0	0.0	1.6	
G155.0	1.4	1.2	0.0	0.0	0.0	0.0	0.0	0.0	1.4	
G155.5	1.6	1.5	0.0	0.0	0.0	0.0	0.0	0.0	1.6	
G156.0	1.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	
G156.5	1.5	1.3	0.0	0.0	0.0	0.0	0.0	0.0	1.5	
G157.0	1.6	1.5	0.0	0.0	0.0	0.0	0.0	0.0	1.6	
G157.5	1.7	1.5	0.0	0.0	0.0	0.0	0.0	0.0	1.7	
G158.0	1.7	1.7	0.0	0.0	1.4	0.0	0.0	1.6	1.7	
G158.5	1.7	1.6	0.0	0.0	1.5	0.0	0.0	1.7	1.7	
G159.0	1.7	1.6	0.0	0.0	1.5	0.0	0.0	1.7	1.7	
G159.5	1.8	1.6	0.0	0.0	1.4	0.0	0.0	1.7	1.8	
G160.0	1.8	1.7	0.0	0.0	1.6	0.0	0.1	1.7	1.8	
G160.5	1.8	1.6	0.0	0.0	1.6	0.0	0.1	1.7	1.8	
G161.0	1.8	1.7	0.0	0.0	1.4	0.0	0.1	1.6	1.8	
G161.5	1.6	1.5	0.0	0.0	1.6	0.0	0.0	1.5	1.6	
G162.0	1.8	1.8	0.1	0.0	1.7	0.1	0.1	1.8	1.8	
G162.5	1.9	1.7	0.2	0.1	1.5	0.1	0.1	1.6	1.9	
G163.0	1.7	1.5	0.1	0.1	1.7	0.1	0.0	1.8	1.7	
G163.5	1.9	1.8	0.1	0.1	1.7	0.1	0.1	1.8	1.9	
G164.0	1.9	1.8	0.1	0.1	1.7	0.1	0.2	1.9	1.9	
G164.5	1.9	1.5	0.1	0.1	1.8	0.1	0.0	1.9	1.9	
G165.0	2.3	1.9	0.1	0.1	1.7	0.1	0.2	1.9	2.3	
G165.5	2.0	1.9	0.2	0.2	1.8	0.1	0.2	1.9	2.0	
G166.0	1.8	1.9	0.1	0.1	0.1	0.2	0.1	0.2	1.8	

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

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

Candlepower Table (Continue 9)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0
G166.5	2.0	1.9	0.2	0.2	0.2	0.2	0.2	0.3	2.0
G167.0	2.0	1.9	0.2	0.1	0.2	0.2	0.2	0.3	2.0
G167.5	2.0	1.9	0.3	0.2	0.2	0.2	0.2	0.6	2.0
G168.0	1.8	1.9	0.2	0.2	0.2	0.2	0.3	1.9	1.8
G168.5	2.0	1.9	0.3	0.3	0.2	0.2	0.3	2.0	2.0
G169.0	2.0	2.6	0.3	0.2	0.3	0.2	0.3	1.8	2.0
G169.5	1.8	1.8	0.3	0.3	0.2	0.3	0.3	1.9	1.8
G170.0	2.1	2.0	0.3	0.3	0.3	2.0	0.3	2.0	2.1
G170.5	2.0	1.8	0.3	0.3	0.3	1.6	0.3	1.9	2.0
G171.0	2.1	1.8	0.3	0.3	0.3	1.7	0.3	2.0	2.1
G171.5	2.3	2.0	0.3	0.3	0.2	1.7	0.3	2.0	2.3
G172.0	2.1	2.0	0.4	0.3	1.9	1.7	0.1	1.9	2.1
G172.5	2.1	2.1	0.3	0.3	2.0	1.6	0.4	1.9	2.1
G173.0	2.1	2.1	0.3	0.2	1.9	0.3	0.4	2.1	2.1
G173.5	2.1	2.1	0.3	0.3	0.4	0.3	0.4	0.4	2.1
G174.0	2.1	2.0	0.4	0.4	0.4	0.4	0.4	0.4	2.1
G174.5	2.0	1.9	0.4	0.1	2.1	0.4	0.2	0.2	2.0
G175.0	2.1	2.1	0.4	0.4	2.0	0.4	0.4	0.4	2.1
G175.5	2.1	2.1	0.4	0.4	2.1	0.4	0.2	0.2	2.1
G176.0	2.1	2.1	0.4	0.5	2.1	1.8	0.4	2.1	2.1
G176.5	2.2	2.0	2.1	0.4	0.4	1.9	0.2	1.9	2.2
G177.0	2.1	1.8	2.0	0.5	0.5	1.8	0.4	2.1	2.1
G177.5	2.0	2.1	2.2	0.4	0.4	1.7	0.4	1.9	2.0
G178.0	2.5	2.1	2.1	0.4	0.4	1.9	0.4	0.5	2.5
G178.5	2.2	2.1	2.1	0.5	0.5	1.6	0.5	2.1	2.2
G179.0	0.5	2.0	2.0	0.5	0.4	2.2	1.8	2.0	0.5
G179.5	0.4	2.1	2.1	0.5	0.4	1.7	1.2	2.0	0.4
G180.0	0.4	2.1	2.1	0.3	0.5	1.9	0.5	2.2	0.4

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

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