



Report No.: 2022

Test Time: 2022-11-19 13:37

Luminaire Property

Luminaire Manufacturer:
Luminaire Category: LED
Lamp Description: 4000K
Luminous Width (mm): 85
Voltage: 119.8 V
Power: 39.95 W

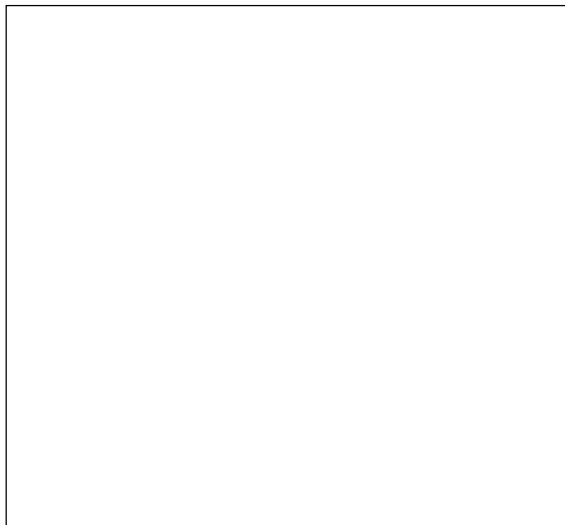
Lamp Catalog: MX482H-40W-4FT
Luminous Length (mm): 1200
Luminous Height (mm): 120
Current: 0.335 A
Power Factor: 0.994

Photometric Results

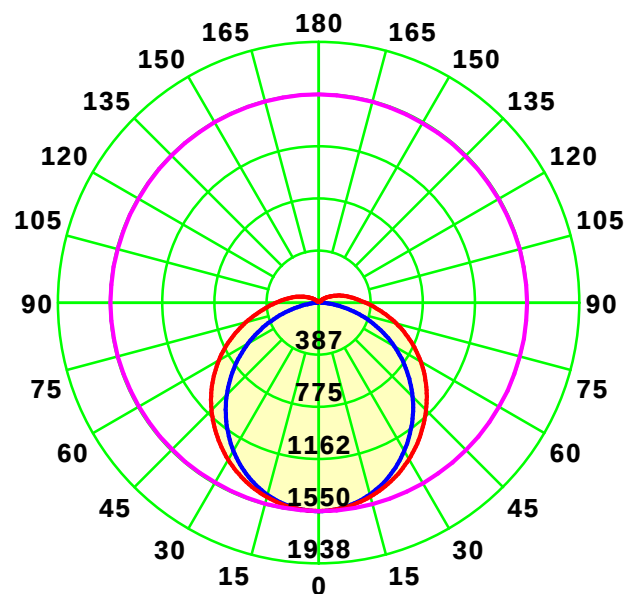
CIE Class: Direct
Measurement Flux: 5361.5 lm
Downward Ratio: 92%
Field Angle: H159.6 V218.3
Luminaire Efficacy Rating (LER): 134
Max. Intensity: 1550.43 cd

Total Rated Lamp Lumens: 5361.5 lm
Efficiency: 100%
Upward Ratio: 8%
Beam Angle: H107.9 V129.8
Central Intensity: 1549.62 cd
Pos of Max. Intensity: H30 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



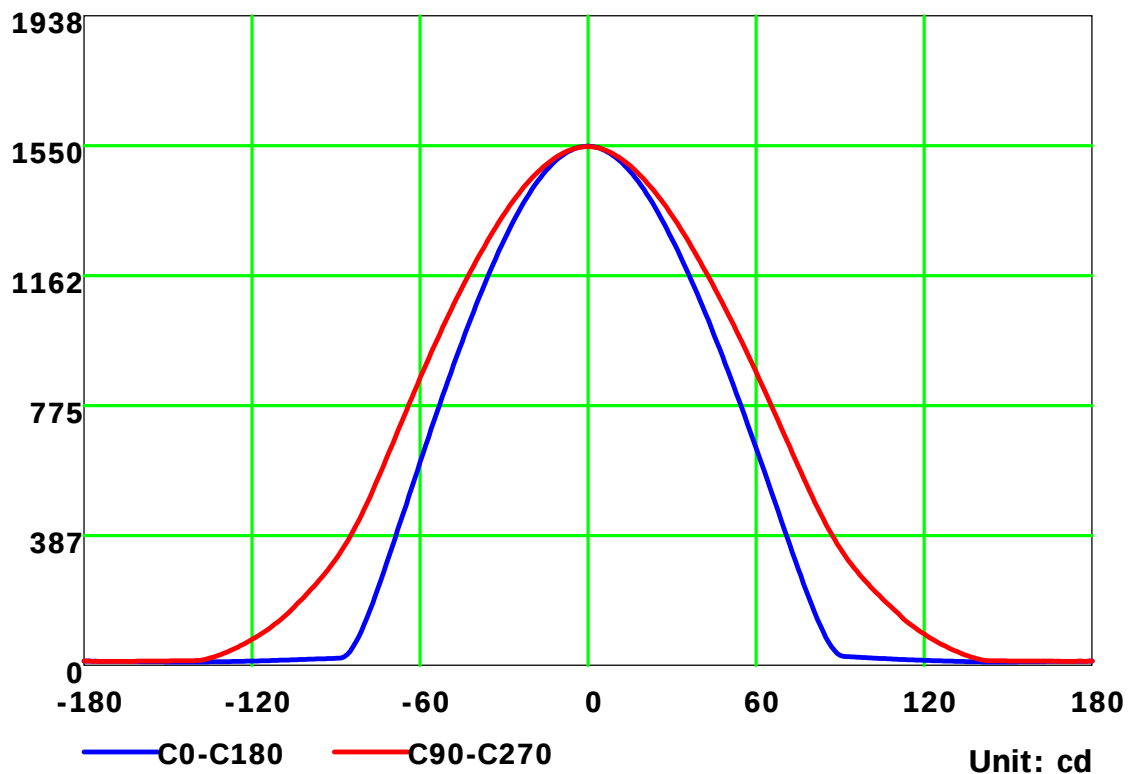
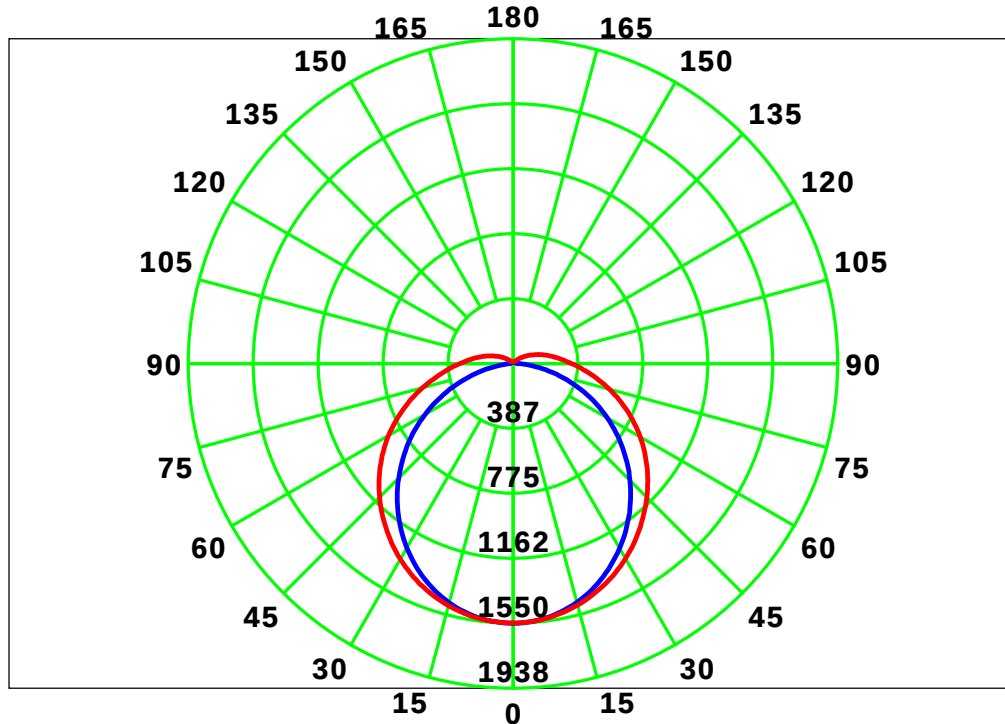
Average Diffuse Angle(50%): 118.97° Unit: cd

— C0-C180 — C90-C270 — G0

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

Gamma Plane (?:0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.300 m
Humidity:
Inspector:

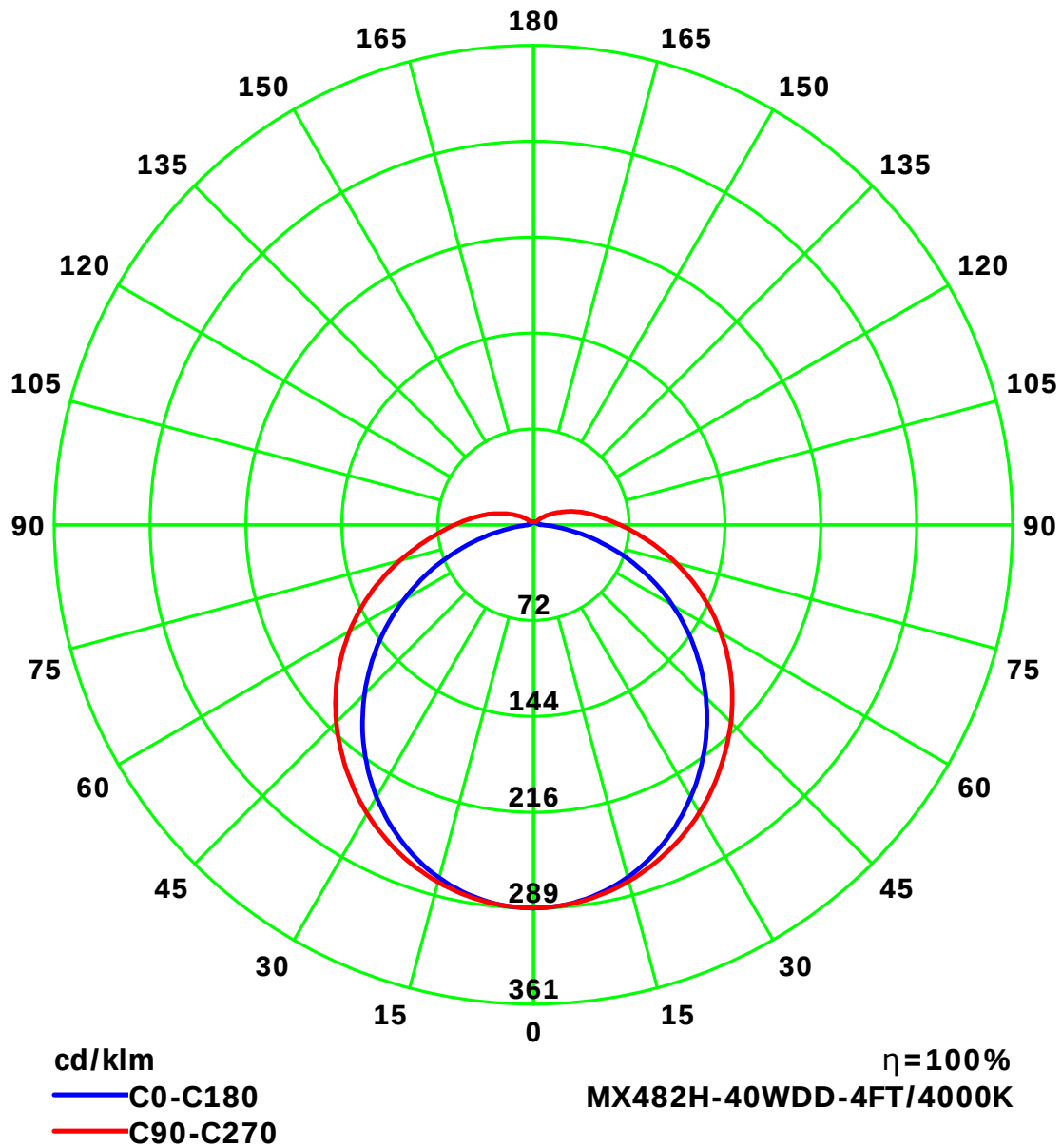
Luminous Intensity Distribution Curve



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

Gamma Plane (? : 0.0-180.0 : 1.0
 Test Device: GPM-1600L
 Distance: 7.300 m
 Humidity:
 Inspector:

Luminous Intensity Distribution Curve(cd / klm)



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

Gamma Plane (?:0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 7.300 m
 Humidity:
 Inspector:



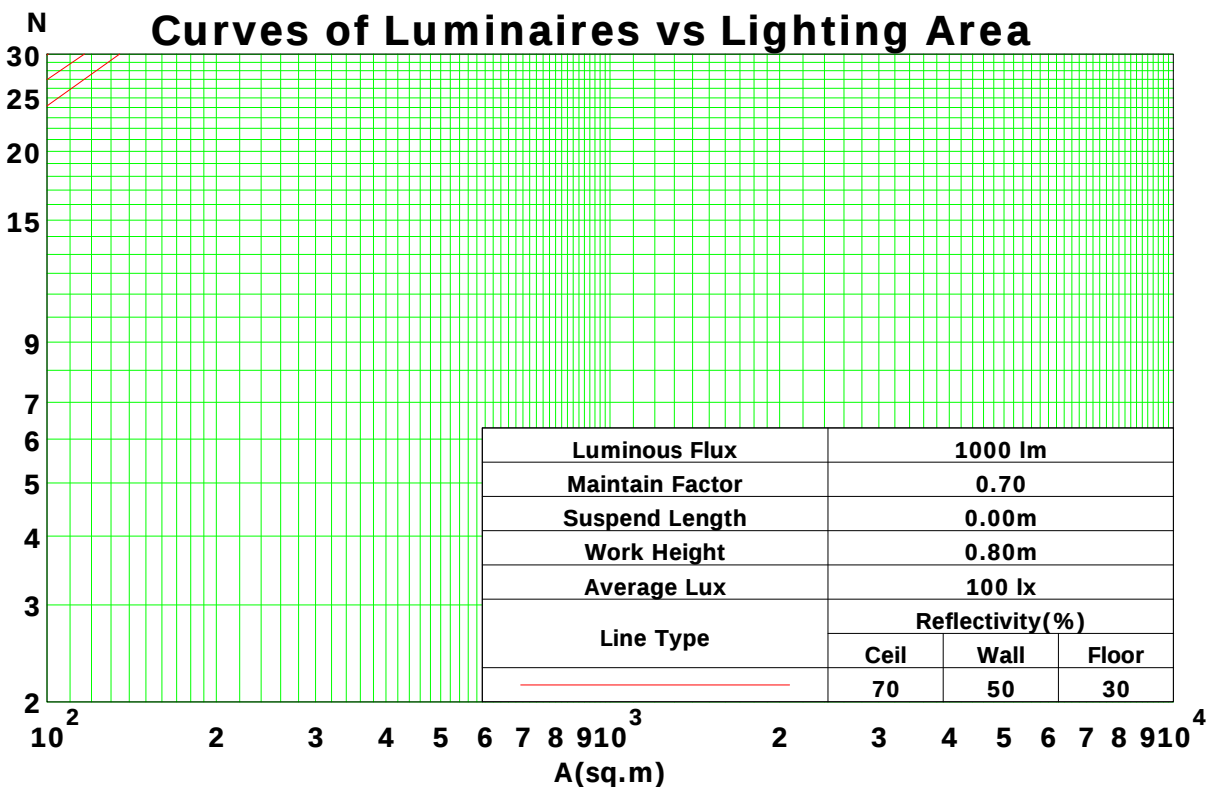
Coefficients Of Utilization - Zonal Cavity Method

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	92
1	105	100	95	90	101	96	92	88	91	87	84	85	82	80	81	78	76	73
2	95	86	78	72	91	83	76	70	78	73	68	74	69	65	70	66	62	60
3	86	75	66	59	83	73	65	58	68	62	56	65	59	54	61	56	52	50
4	79	66	57	50	76	64	56	49	61	53	47	57	51	46	54	49	44	42
5	72	59	49	42	69	57	48	42	54	47	41	51	45	40	49	43	38	36
6	67	53	43	37	64	51	43	36	49	41	35	46	40	35	44	38	34	31
7	62	48	39	32	59	47	38	32	44	37	31	42	35	30	40	34	30	28
8	57	43	35	29	55	42	34	28	40	33	28	39	32	27	37	31	27	25
9	54	40	31	26	52	39	31	26	37	30	25	36	29	24	34	28	24	22
10	50	37	29	23	48	36	28	23	34	27	23	33	27	22	32	26	22	20

Spacing Criteria (0-180): 1.22

Spacing Criteria (90-270): 1.29

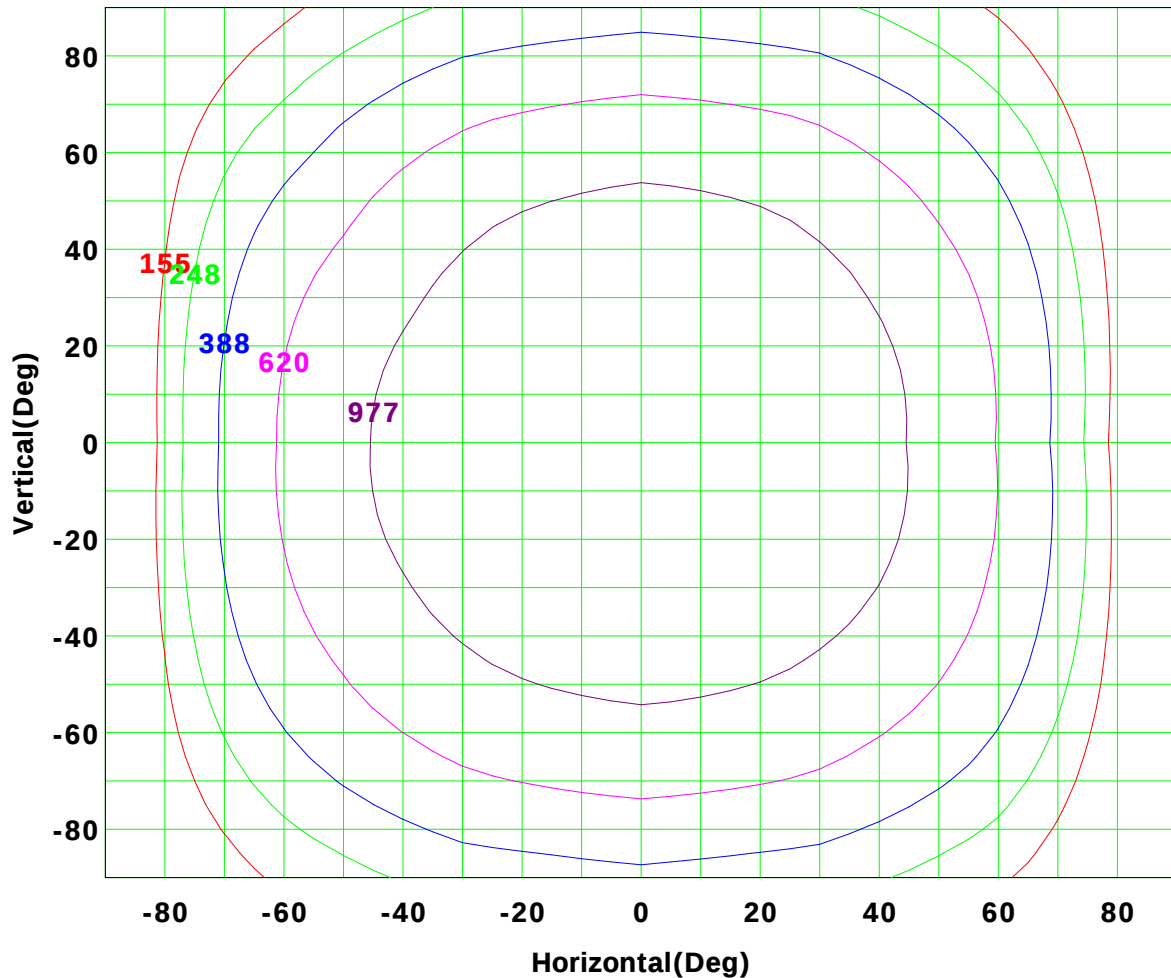
Spacing Criteria (Diagonal): 1.39



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

Gamma Plane (?:0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 7.300 m
 Humidity:
 Inspector:

Isocandela (rectangle)



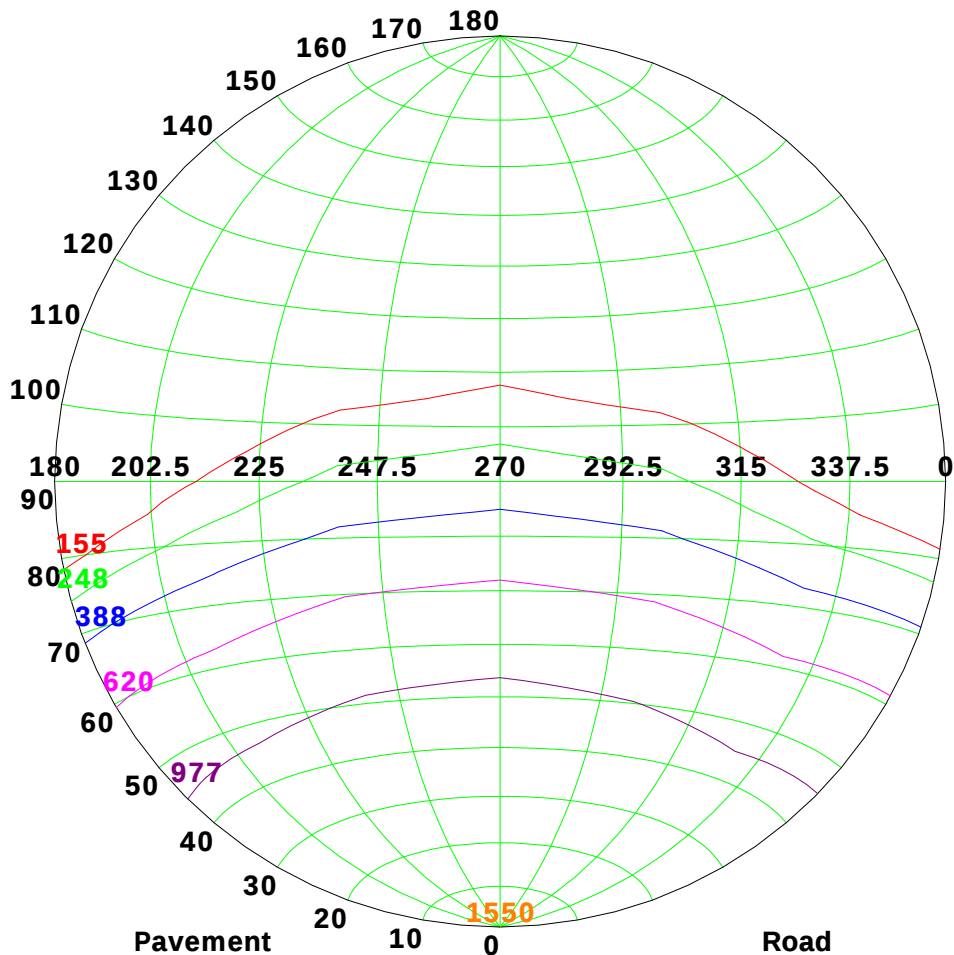
Imax (100%): 1550 cd

(10%): 155 cd	(16%): 248 cd
(25%): 388 cd	(40%): 620 cd
(63%): 977 cd	(100%): 1550 cd

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

Gamma Plane (?:0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 7.300 m
 Humidity:
 Inspector:

Isocandela (sphere)



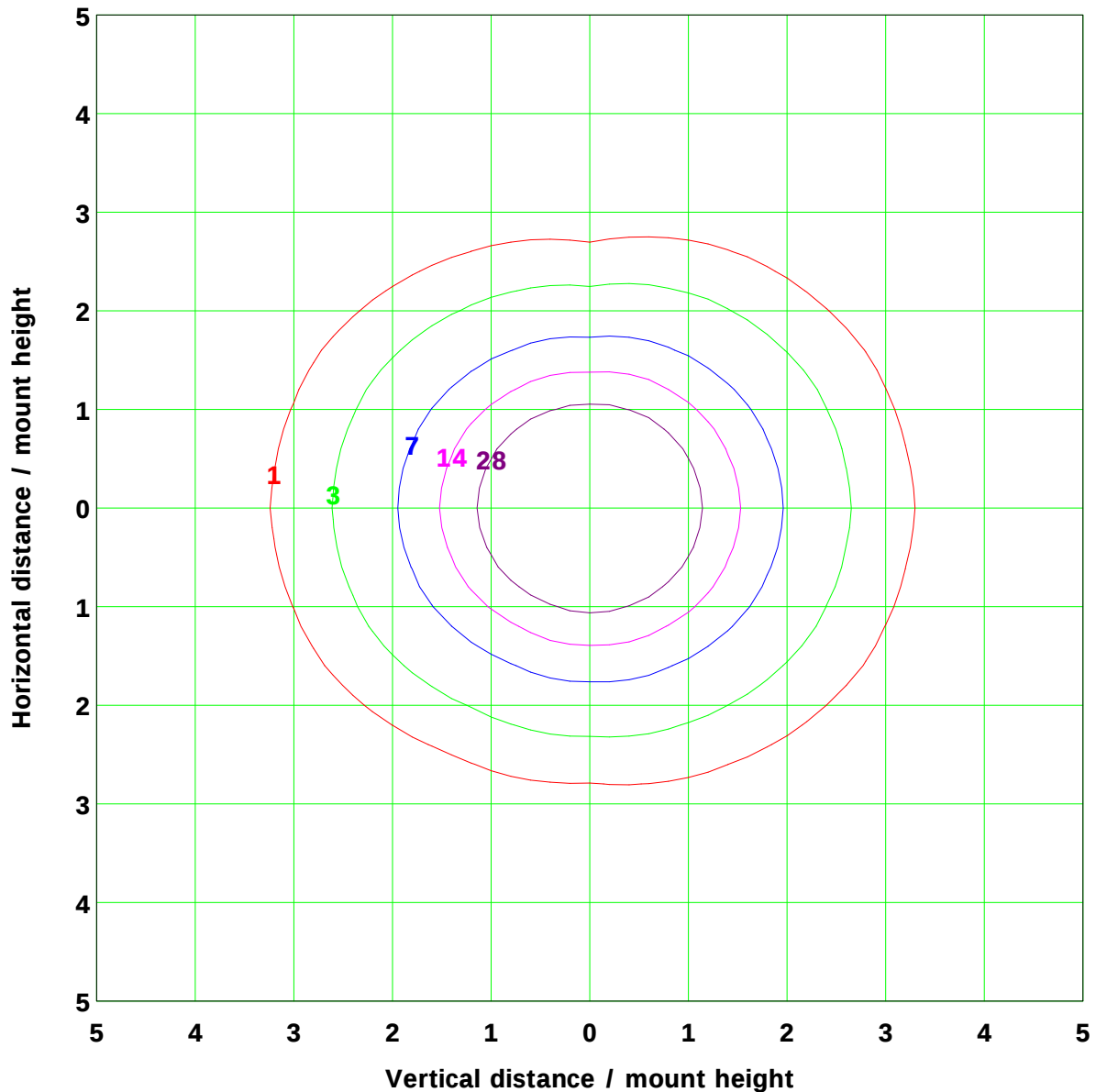
I_{max} (100%): 1550 cd

(10%): 155 cd	(16%): 248 cd
(25%): 388 cd	(40%): 620 cd
(63%): 977 cd	(100%): 1550 cd

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

Gamma Plane (?:0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 7.300 m
 Humidity:
 Inspector:

IsoLux Plot



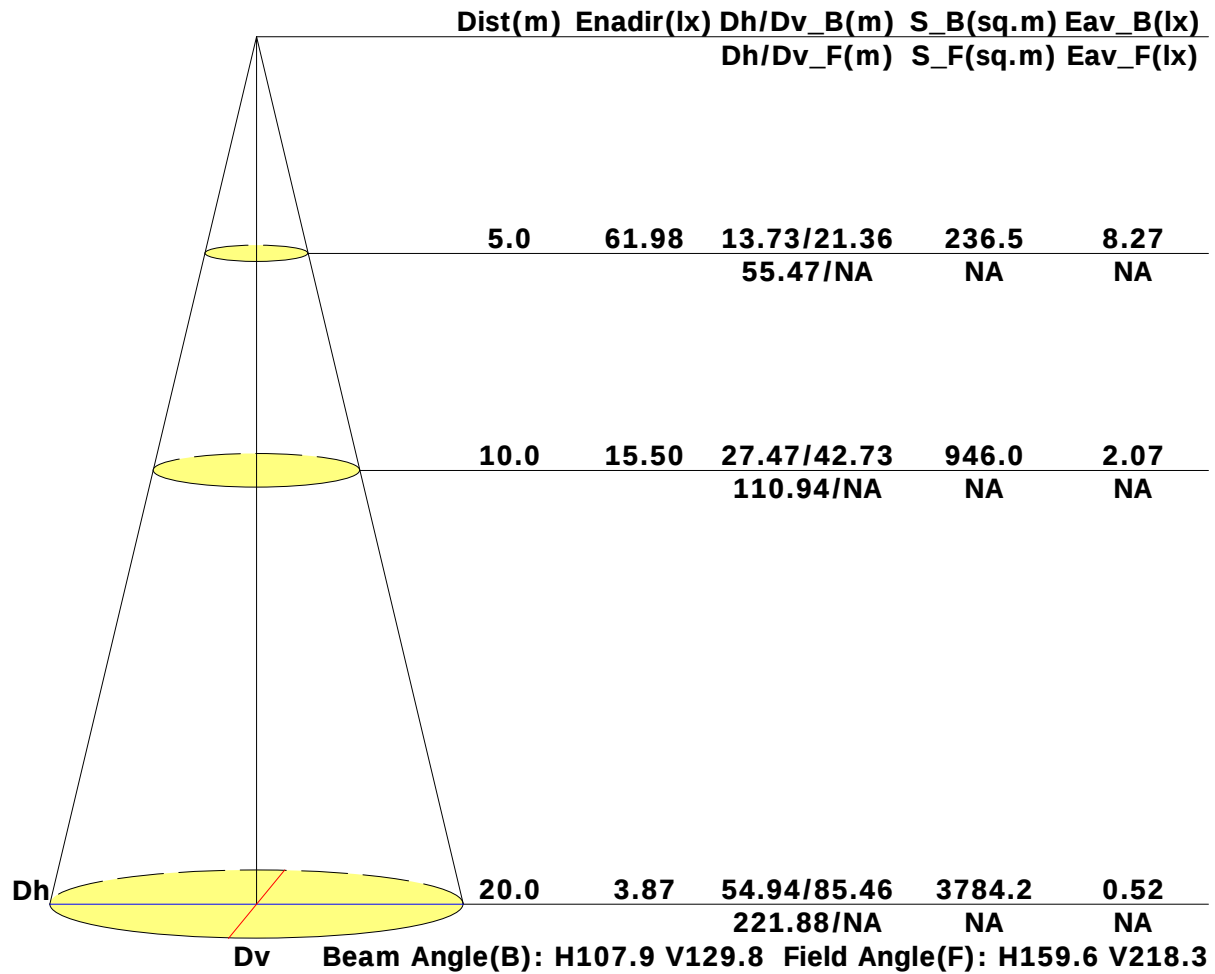
Mounting Height: 3.3m Max Lux(100%): 142.4 lx

(1%): 1.4 lx	(2%): 2.8 lx
(5%): 7.1 lx	(10%): 14.2 lx
(20%): 28.5 lx	

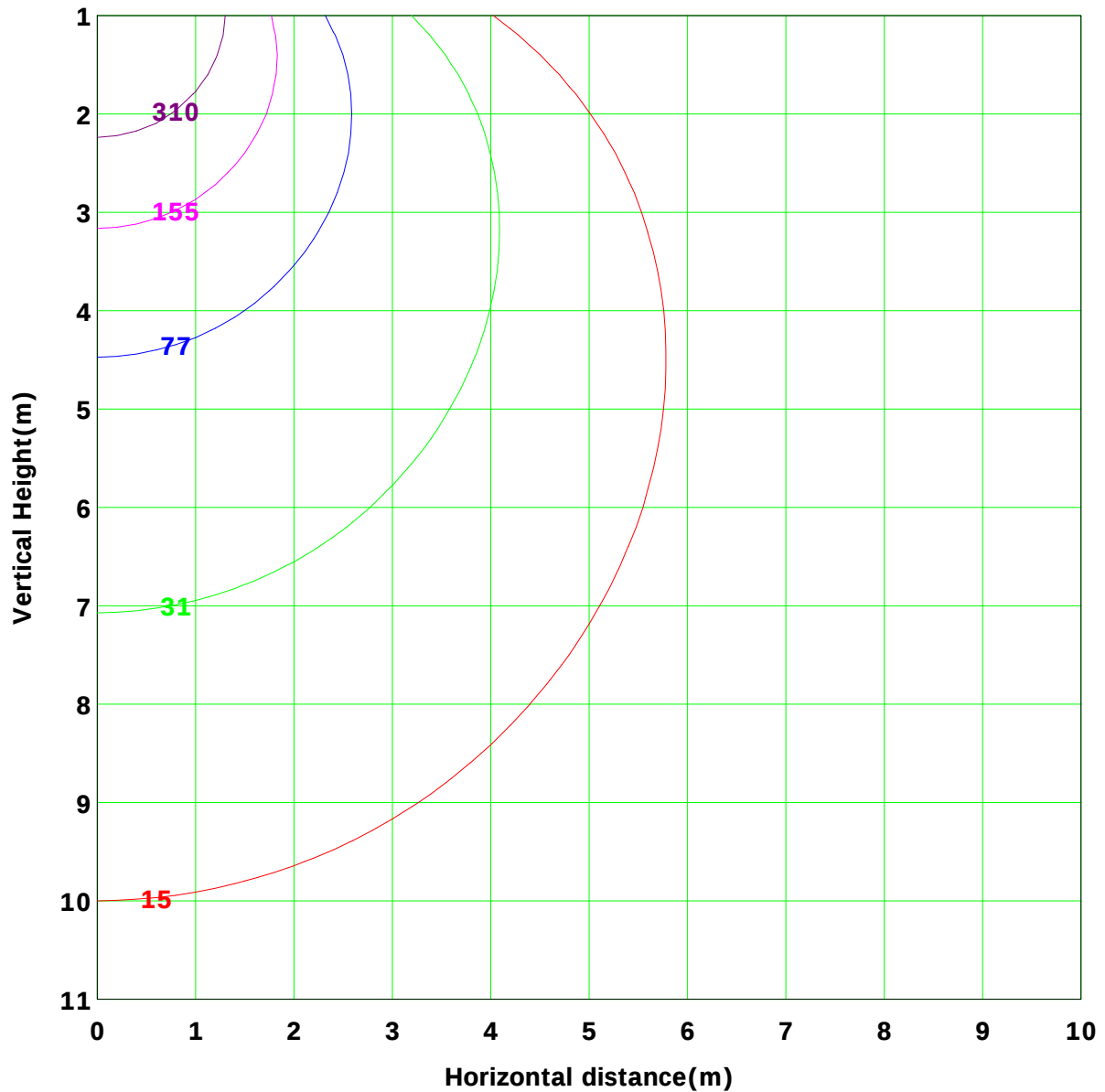
C Plane (? : 0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (? : 0.0-180.0: 1.0
 Test Device: GPM-1600L
 Distance: 7.300 m
 Humidity:
 Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1549.6 lx
 (1%): 15.5 lx (2%): 31.0 lx
 (5%): 77.5 lx (10%): 155.0 lx
 (20%): 309.9 lx

C Plane (? : 0.0-360.0 : 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
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Gamma Plane (? : 0.0-180.0 : 1.0
 Test Device: GPM-1600L
 Distance: 7.300 m
 Humidity:
 Inspector:



Area Flux Table

Unit: lm

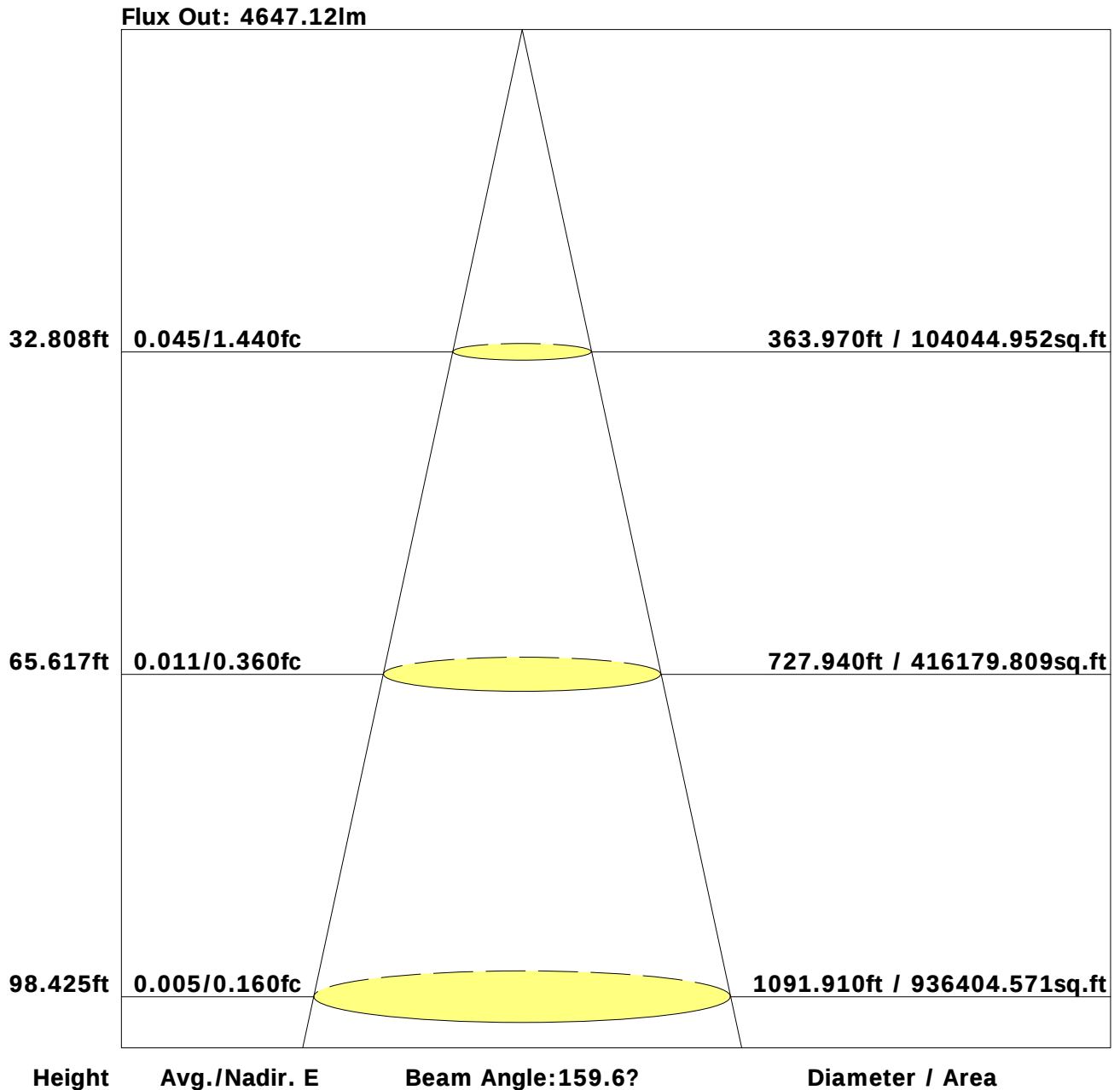
Vertical plane		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
Flux(E)	Flux(T)	0.1	0.7	1.8	3.4	5.4	7.6	9.5	10.7	11.5	11.5	10.5	9.2	7.4	5.2	3.3	1.8	0.8	0.2	100.8
0.0	21.0	0.1	0.9	2.4	4.8	7.6	10.8	13.6	15.5	16.7	16.6	15.2	13.2	10.4	7.3	4.5	2.4	1.0	0.2	143.3
	80.8	0.2	1.1	3.2	6.3	10.2	14.5	18.3	21.0	22.7	22.6	20.7	17.9	14.0	9.8	6.1	3.2	1.2	0.2	193.2
		0.2	1.3	4.0	8.0	12.8	18.1	23.0	26.5	28.5	28.4	26.1	22.5	17.6	12.4	7.6	4.1	1.5	0.2	242.7
		0.2	1.6	4.8	9.5	15.3	21.5	27.3	31.5	33.8	33.6	31.0	26.7	20.9	14.7	9.2	4.9	1.8	0.3	288.4
		0.2	1.8	5.4	10.9	17.4	24.4	30.9	35.8	38.4	38.2	35.3	30.3	23.7	16.8	10.7	5.7	2.0	0.3	328.4
		0.2	1.9	6.0	11.9	19.2	26.8	33.9	39.4	42.3	42.1	38.9	33.2	26.0	18.8	12.0	6.3	2.2	0.3	361.3
		0.2	2.0	6.3	12.6	20.4	28.6	36.1	41.9	45.0	44.8	41.3	35.3	28.1	20.3	12.9	6.7	2.4	0.3	385.0
		0.2	2.0	6.3	12.9	20.9	29.3	37.2	43.2	46.4	46.1	42.8	36.9	29.3	21.1	13.4	6.9	2.4	0.3	397.6
		0.2	2.0	6.4	13.0	21.0	29.4	37.3	43.2	46.3	46.3	43.0	37.1	29.5	21.3	13.5	6.9	2.4	0.3	399.0
		0.2	2.0	6.4	12.9	20.7	28.9	36.4	41.9	44.9	44.8	41.6	35.9	28.6	20.7	13.2	6.8	2.4	0.3	388.6
		0.2	2.0	6.2	12.3	19.7	27.3	34.2	39.4	42.1	42.0	39.1	33.7	26.8	19.5	12.4	6.5	2.3	0.3	366.2
		0.2	1.9	5.7	11.4	18.1	25.0	31.2	35.9	38.4	38.3	35.6	30.8	24.5	17.7	11.4	6.0	2.2	0.3	334.4
		0.2	1.7	5.1	10.1	16.0	22.1	27.6	31.6	33.9	33.8	31.4	27.2	21.7	15.7	10.0	5.3	1.9	0.3	295.7
		0.2	1.5	4.4	8.7	13.7	18.8	23.6	26.9	28.9	28.8	26.7	23.2	18.5	13.4	8.5	4.6	1.7	0.3	252.2
		0.2	1.2	3.6	7.1	11.1	15.3	19.1	21.8	23.4	23.4	21.6	18.9	15.1	10.9	7.0	3.7	1.4	0.2	205.0
		0.2	1.0	2.8	5.4	8.5	11.7	14.6	16.5	17.8	17.8	16.4	14.4	11.6	8.3	5.4	2.9	1.1	0.2	156.6
		0.1	0.8	2.1	4.0	6.1	8.4	10.4	11.7	12.6	12.6	11.6	10.3	8.3	6.0	4.0	2.2	0.9	0.2	112.2
		3.2	27.3	83.0	165.1	263.9	368.7	464.1	534.3	573.5	571.5	528.8	456.7	362.0	260.0	165.1	86.9	31.7	4.6	4950
		0.0	21.0	80.8	165.0	263.9	368.7	464.1	534.3	573.5	571.5	528.8	456.7	362.0	260.0	164.9	85.0	27.3	0.6	4928

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

Gamma Plane (?:0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.300 m
Humidity:
Inspector:



The Average Illuminance Effective Figure



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

Gamma Plane (?:0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.300 m
Humidity:
Inspector:

UGR Table

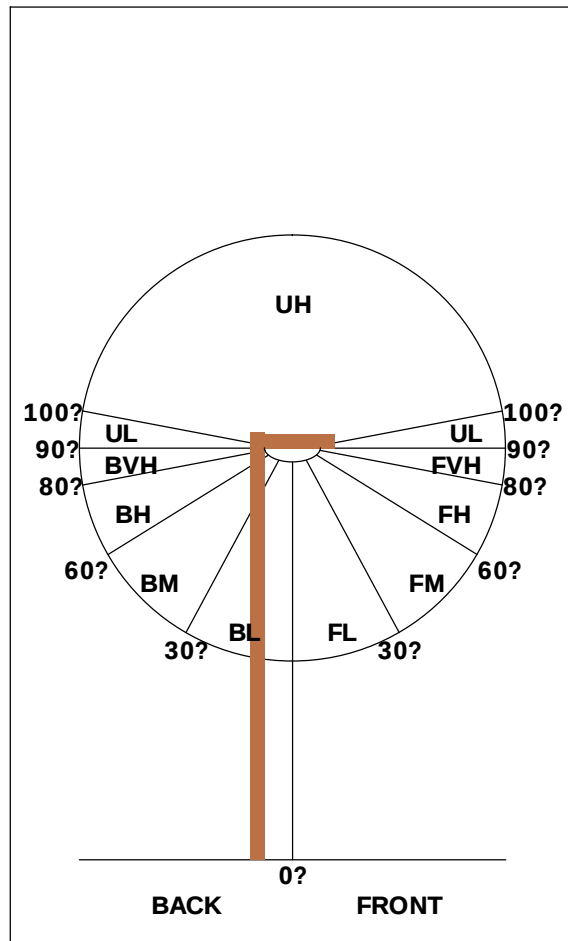
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	12.1	13.7	12.6	14.1	14.6	11.7	13.3	12.2	13.7	14.2
3H	14.0	15.4	14.4	15.8	16.4	13.7	15.1	14.1	15.5	16.1
4H	14.6	16.0	15.2	16.5	17.0	14.5	15.8	15.0	16.3	16.9
6H	15.1	16.4	15.7	16.9	17.5	15.2	16.5	15.7	17.0	17.5
8H	15.3	16.5	15.8	17.0	17.6	15.5	16.7	16.1	17.3	17.8
12H	15.4	16.5	15.9	17.1	17.7	15.8	17.0	16.4	17.5	18.1
X=4H Y=2H	12.6	13.9	13.1	14.4	15.0	12.3	13.6	12.8	14.1	14.7
3H	14.6	15.7	15.1	16.2	16.8	14.5	15.6	15.0	16.2	16.7
4H	15.4	16.4	15.9	17.0	17.6	15.5	16.5	16.0	17.1	17.7
6H	16.0	16.9	16.6	17.5	18.1	16.4	17.3	16.9	17.9	18.5
8H	16.2	17.1	16.8	17.7	18.3	16.8	17.6	17.3	18.2	18.8
12H	16.4	17.2	17.0	17.8	18.4	17.2	17.9	17.7	18.5	19.2
X=8H Y=4H	15.7	16.5	16.2	17.1	17.7	15.8	16.7	16.4	17.2	17.9
6H	16.4	17.2	17.0	17.8	18.4	16.9	17.6	17.5	18.2	18.9
8H	16.7	17.4	17.3	18.0	18.6	17.4	18.1	18.0	18.7	19.3
12H	17.0	17.5	17.6	18.2	18.9	17.9	18.5	18.5	19.1	19.8
X=12H Y=4H	15.7	16.5	16.3	17.1	17.7	15.8	16.6	16.4	17.2	17.9
6H	16.5	17.2	17.1	17.8	18.5	17.0	17.6	17.6	18.2	18.9
8H	16.9	17.5	17.5	18.1	18.8	17.6	18.1	18.2	18.8	19.5

Calculate in accordance with CIE 190:2010

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

Gamma Plane (?:0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 7.300 m
 Humidity:
 Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	2467	46.0
FL (0°30°)	598	11.1
FM (30°60°)	1167	21.8
FH (60°80°)	555	10.4
FVH (80°90°)	148	2.8
BACK LIGHT	2483	46.3
BL (0°30°)	602	11.2
BM (30°60°)	1179	22.0
BH (60°80°)	556	10.4
BVH (80°90°)	147	2.7
UP LIGHT	411	7.7
UL (90°100°)	183	3.4
UH (100°180°)	227	4.2
TRAPPED LIGHT	NA	NA

BUG(Backlight, Uplight, Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B2 U3 G2
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B2 U3 G1

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

Gamma Plane (?:0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 7.300 m
 Humidity:
 Inspector:



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	0.74	0.81	0.86	0.90	0.95	0.98	
	0.30		0.43	0.53	0.60	0.66	0.74	0.80	0.84	0.90	0.94	
	0.20		0.37	0.47	0.54	0.60	0.68	0.74	0.79	0.85	0.90	
0.50	0.50	0.20	0.49	0.58	0.65	0.70	0.77	0.81	0.85	0.89	0.92	
	0.30		0.42	0.51	0.58	0.63	0.71	0.76	0.80	0.85	0.89	
	0.20		0.37	0.46	0.53	0.58	0.66	0.71	0.76	0.82	0.85	
0.30	0.50	0.20	0.47	0.56	0.62	0.66	0.72	0.77	0.80	0.84	0.87	
	0.30		0.41	0.49	0.56	0.61	0.68	0.73	0.76	0.81	0.84	
	0.20		0.36	0.45	0.51	0.56	0.64	0.69	0.73	0.78	0.81	
0.00	0.00	0.00	0.33	0.41	0.47	0.52	0.59	0.64	0.67	0.72	0.75	
Rating:40W 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	1.03	0.87	0.75	0.66	0.54	0.46	0.40	0.31	0.26	
	0.30		0.86	0.74	0.65	0.59	0.49	0.42	0.37	0.30	0.25	
	0.20		0.74	0.65	0.58	0.53	0.45	0.39	0.34	0.28	0.24	
0.50	0.50	0.20	0.98	0.82	0.71	0.63	0.51	0.46	0.37	0.30	0.25	
	0.30		0.83	0.71	0.63	0.56	0.47	0.40	0.35	0.28	0.24	
	0.20		0.72	0.63	0.56	0.51	0.43	0.37	0.33	0.27	0.23	
0.30	0.50	0.20	0.94	0.78	0.67	0.59	0.48	0.41	0.35	0.28	0.23	
	0.30		0.80	0.69	0.60	0.54	0.45	0.38	0.33	0.27	0.23	
	0.20		0.70	0.61	0.55	0.49	0.41	0.36	0.31	0.26	0.22	
0.00	0.00	0.00	0.60	0.51	0.45	0.40	0.34	0.29	0.25	0.21	0.17	
Rating:40W 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(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	0.24	0.25	0.26	0.27	0.28	0.28	0.29	0.29	0.29
	0.30		0.17	0.18	0.20	0.21	0.22	0.23	0.24	0.25	0.26
	0.20		0.12	0.13	0.15	0.16	0.18	0.19	0.21	0.22	0.23
0.50	0.50	0.20	0.23	0.24	0.25	0.26	0.27	0.27	0.27	0.28	0.28
	0.30		0.17	0.18	0.19	0.20	0.22	0.23	0.23	0.25	0.25
	0.20		0.12	0.13	0.15	0.16	0.17	0.19	0.20	0.22	0.23
0.30	0.50	0.20	0.22	0.24	0.24	0.25	0.26	0.26	0.26	0.27	0.27
	0.30		0.16	0.18	0.19	0.20	0.21	0.22	0.23	0.24	0.24
	0.20		0.12	0.13	0.14	0.15	0.17	0.18	0.19	0.21	0.22
0.00	0.00	0.00	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Rating:40W 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 [%]
0.0-1.0	1547.1	1.5	1.5	0.03	0.03
1.0-2.0	1546.5	4.4	5.9	0.08	0.11
2.0-3.0	1545.3	7.4	13.3	0.14	0.25
3.0-4.0	1543.6	10.3	23.6	0.19	0.44
4.0-5.0	1541.3	13.3	36.9	0.25	0.69
5.0-6.0	1538.4	16.2	53.1	0.30	0.99
6.0-7.0	1534.9	19.1	72.1	0.36	1.35
7.0-8.0	1530.9	21.9	94.0	0.41	1.75
8.0-9.0	1526.3	24.7	118.8	0.46	2.22
9.0-10.0	1521.1	27.5	146.3	0.51	2.73
10.0-11.0	1515.4	30.3	176.6	0.56	3.29
11.0-12.0	1509.2	33.0	209.6	0.62	3.91
12.0-13.0	1502.5	35.7	245.3	0.67	4.57
13.0-14.0	1495.2	38.3	283.5	0.71	5.29
14.0-15.0	1487.3	40.8	324.4	0.76	6.05
15.0-16.0	1479.1	43.3	367.7	0.81	6.86
16.0-17.0	1470.3	45.8	413.5	0.85	7.71
17.0-18.0	1461.0	48.2	461.7	0.90	8.61
18.0-19.0	1451.2	50.5	512.2	0.94	9.55
19.0-20.0	1440.9	52.7	564.9	0.98	10.54
20.0-21.0	1430.2	54.9	619.9	1.02	11.56
21.0-22.0	1419.1	57.0	676.9	1.06	12.63
22.0-23.0	1407.5	59.1	736.0	1.10	13.73
23.0-24.0	1395.4	61.0	797.0	1.14	14.86
24.0-25.0	1382.9	62.9	859.9	1.17	16.04
25.0-26.0	1369.9	64.7	924.5	1.21	17.24
26.0-27.0	1356.6	66.4	990.9	1.24	18.48
27.0-28.0	1342.9	68.0	1058.9	1.27	19.75
28.0-29.0	1328.8	69.5	1128.4	1.30	21.05
29.0-30.0	1314.5	71.0	1199.4	1.32	22.37
30.0-31.0	1299.7	72.3	1271.8	1.35	23.72
31.0-32.0	1284.6	73.6	1345.4	1.37	25.09
32.0-33.0	1269.1	74.8	1420.1	1.39	26.49
33.0-34.0	1253.2	75.8	1496.0	1.41	27.90
34.0-35.0	1236.9	76.8	1572.8	1.43	29.34
35.0-36.0	1220.4	77.7	1650.5	1.45	30.79

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

Gamma Plane (?:0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.300 m
Humidity:
Inspector:



Zonal Lumen (Continue 1)

Gamma [□]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	1203.8	78.5	1729.0	1.46	32.25
37.0-38.0	1186.9	79.2	1808.3	1.48	33.73
38.0-39.0	1169.5	79.8	1888.1	1.49	35.22
39.0-40.0	1151.9	80.4	1968.5	1.50	36.72
40.0-41.0	1134.2	80.8	2049.2	1.51	38.22
41.0-42.0	1116.2	81.1	2130.4	1.51	39.73
42.0-43.0	1098.0	81.3	2211.7	1.52	41.25
43.0-44.0	1079.6	81.5	2293.2	1.52	42.77
44.0-45.0	1060.9	81.5	2374.7	1.52	44.29
45.0-46.0	1042.1	81.5	2456.3	1.52	45.81
46.0-47.0	1023.2	81.4	2537.6	1.52	47.33
47.0-48.0	1004.2	81.2	2618.8	1.51	48.85
48.0-49.0	984.8	80.9	2699.7	1.51	50.35
49.0-50.0	965.3	80.5	2780.2	1.50	51.86
50.0-51.0	945.6	80.0	2860.2	1.49	53.35
51.0-52.0	925.7	79.4	2939.7	1.48	54.83
52.0-53.0	905.7	78.8	3018.5	1.47	56.30
53.0-54.0	885.6	78.1	3096.5	1.46	57.76
54.0-55.0	865.4	77.3	3173.8	1.44	59.20
55.0-56.0	845.1	76.4	3250.2	1.42	60.62
56.0-57.0	824.6	75.4	3325.6	1.41	62.03
57.0-58.0	804.0	74.4	3399.9	1.39	63.41
58.0-59.0	783.3	73.2	3473.2	1.37	64.78
59.0-60.0	762.7	72.1	3545.2	1.34	66.12
60.0-61.0	742.1	70.8	3616.1	1.32	67.45
61.0-62.0	721.2	69.5	3685.6	1.30	68.74
62.0-63.0	700.4	68.1	3753.7	1.27	70.01
63.0-64.0	679.6	66.7	3820.4	1.24	71.26
64.0-65.0	658.7	65.2	3885.6	1.22	72.47
65.0-66.0	637.9	63.6	3949.2	1.19	73.66
66.0-67.0	616.9	62.0	4011.3	1.16	74.82
67.0-68.0	596.1	60.4	4071.7	1.13	75.94
68.0-69.0	575.3	58.7	4130.4	1.09	77.04
69.0-70.0	554.5	57.0	4187.3	1.06	78.10
70.0-71.0	533.8	55.2	4242.5	1.03	79.13
71.0-72.0	513.3	53.4	4295.9	1.00	80.13

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

Gamma Plane (?:0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.300 m
Humidity:
Inspector:



Zonal Lumen (Continue 2)

Gamma [□]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	493.0	51.6	4347.4	0.96	81.09
73.0-74.0	472.7	49.7	4397.1	0.93	82.01
74.0-75.0	452.6	47.8	4445.0	0.89	82.91
75.0-76.0	432.8	46.0	4490.9	0.86	83.76
76.0-77.0	413.2	44.1	4535.0	0.82	84.58
77.0-78.0	394.0	42.2	4577.2	0.79	85.37
78.0-79.0	375.2	40.3	4617.5	0.75	86.12
79.0-80.0	356.8	38.5	4656.0	0.72	86.84
80.0-81.0	338.9	36.7	4692.6	0.68	87.52
81.0-82.0	321.6	34.9	4727.5	0.65	88.18
82.0-83.0	304.9	33.2	4760.6	0.62	88.79
83.0-84.0	289.0	31.5	4792.1	0.59	89.38
84.0-85.0	273.9	29.9	4822.0	0.56	89.94
85.0-86.0	259.7	28.4	4850.4	0.53	90.47
86.0-87.0	246.4	27.0	4877.4	0.50	90.97
87.0-88.0	234.2	25.7	4903.0	0.48	91.45
88.0-89.0	223.0	24.4	4927.5	0.46	91.91
89.0-90.0	212.7	23.3	4950.8	0.44	92.34
90.0-91.0	203.3	22.3	4973.1	0.42	92.76
91.0-92.0	194.4	21.3	4994.4	0.40	93.15
92.0-93.0	186.0	20.4	5014.8	0.38	93.53
93.0-94.0	178.1	19.5	5034.3	0.36	93.90
94.0-95.0	170.5	18.6	5052.9	0.35	94.25
95.0-96.0	163.2	17.8	5070.7	0.33	94.58
96.0-97.0	156.1	17.0	5087.7	0.32	94.89
97.0-98.0	149.2	16.2	5104.0	0.30	95.20
98.0-99.0	142.6	15.5	5119.4	0.29	95.49
99.0-100.0	136.1	14.7	5134.1	0.27	95.76
100.0-101.0	129.8	14.0	5148.1	0.26	96.02
101.0-102.0	123.8	13.3	5161.4	0.25	96.27
102.0-103.0	117.8	12.6	5174.1	0.24	96.50
103.0-104.0	111.6	11.9	5186.0	0.22	96.73
104.0-105.0	105.4	11.2	5197.1	0.21	96.94
105.0-106.0	99.7	10.5	5207.7	0.20	97.13
106.0-107.0	94.4	9.9	5217.6	0.19	97.32
107.0-108.0	89.4	9.3	5227.0	0.17	97.49

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

Gamma Plane (? : 0.0-180.0: 1.0
Test Device: GPM-1600L
Distance: 7.300 m
Humidity:
Inspector:



Zonal Lumen (Continue 3)

Gamma [□]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	84.3	8.8	5235.7	0.16	97.65
109.0-110.0	79.2	8.2	5243.9	0.15	97.81
110.0-111.0	74.4	7.6	5251.6	0.14	97.95
111.0-112.0	69.8	7.1	5258.7	0.13	98.08
112.0-113.0	65.8	6.7	5265.3	0.12	98.21
113.0-114.0	62.0	6.2	5271.6	0.12	98.32
114.0-115.0	58.5	5.8	5277.4	0.11	98.43
115.0-116.0	55.1	5.5	5282.9	0.10	98.53
116.0-117.0	51.9	5.1	5288.0	0.10	98.63
117.0-118.0	48.9	4.8	5292.7	0.09	98.72
118.0-119.0	46.0	4.4	5297.2	0.08	98.80
119.0-120.0	43.3	4.1	5301.3	0.08	98.88
120.0-121.0	40.7	3.8	5305.1	0.07	98.95
121.0-122.0	38.3	3.6	5308.7	0.07	99.02
122.0-123.0	36.0	3.3	5312.0	0.06	99.08
123.0-124.0	33.9	3.1	5315.1	0.06	99.14
124.0-125.0	31.8	2.9	5318.0	0.05	99.19
125.0-126.0	29.9	2.7	5320.7	0.05	99.24
126.0-127.0	28.1	2.5	5323.2	0.05	99.29
127.0-128.0	26.4	2.3	5325.5	0.04	99.33
128.0-129.0	24.7	2.1	5327.6	0.04	99.37
129.0-130.0	23.1	2.0	5329.5	0.04	99.40
130.0-131.0	21.7	1.8	5331.3	0.03	99.44
131.0-132.0	20.3	1.7	5333.0	0.03	99.47
132.0-133.0	19.0	1.5	5334.5	0.03	99.50
133.0-134.0	17.8	1.4	5336.0	0.03	99.52
134.0-135.0	16.7	1.3	5337.3	0.02	99.55
135.0-136.0	15.8	1.2	5338.5	0.02	99.57
136.0-137.0	15.0	1.1	5339.6	0.02	99.59
137.0-138.0	14.3	1.1	5340.7	0.02	99.61
138.0-139.0	13.8	1.0	5341.7	0.02	99.63
139.0-140.0	13.4	1.0	5342.6	0.02	99.65
140.0-141.0	13.1	0.9	5343.5	0.02	99.67
141.0-142.0	12.9	0.9	5344.4	0.02	99.68
142.0-143.0	12.8	0.9	5345.3	0.02	99.70
143.0-144.0	12.7	0.8	5346.1	0.02	99.71

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

Gamma Plane (?:0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.300 m
Humidity:
Inspector:



Zonal Lumen (Continue 4)

Gamma [□]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	12.7	0.8	5346.9	0.02	99.73
145.0-146.0	12.7	0.8	5347.7	0.01	99.74
146.0-147.0	12.7	0.8	5348.5	0.01	99.76
147.0-148.0	12.7	0.7	5349.2	0.01	99.77
148.0-149.0	12.7	0.7	5349.9	0.01	99.79
149.0-150.0	12.7	0.7	5350.7	0.01	99.80
150.0-151.0	12.7	0.7	5351.3	0.01	99.81
151.0-152.0	12.7	0.7	5352.0	0.01	99.82
152.0-153.0	12.7	0.6	5352.6	0.01	99.84
153.0-154.0	12.7	0.6	5353.3	0.01	99.85
154.0-155.0	12.7	0.6	5353.9	0.01	99.86
155.0-156.0	12.8	0.6	5354.5	0.01	99.87
156.0-157.0	12.8	0.6	5355.0	0.01	99.88
157.0-158.0	12.8	0.5	5355.5	0.01	99.89
158.0-159.0	12.8	0.5	5356.1	0.01	99.90
159.0-160.0	12.8	0.5	5356.6	0.01	99.91
160.0-161.0	12.8	0.5	5357.0	0.01	99.92
161.0-162.0	12.8	0.4	5357.5	0.01	99.93
162.0-163.0	12.9	0.4	5357.9	0.01	99.93
163.0-164.0	12.9	0.4	5358.3	0.01	99.94
164.0-165.0	12.9	0.4	5358.7	0.01	99.95
165.0-166.0	12.9	0.4	5359.0	0.01	99.95
166.0-167.0	12.9	0.3	5359.4	0.01	99.96
167.0-168.0	13.0	0.3	5359.7	0.01	99.97
168.0-169.0	13.0	0.3	5360.0	0.01	99.97
169.0-170.0	13.0	0.3	5360.2	0.00	99.98
170.0-171.0	13.0	0.2	5360.4	0.00	99.98
171.0-172.0	13.0	0.2	5360.7	0.00	99.99
172.0-173.0	13.1	0.2	5360.8	0.00	99.99
173.0-174.0	13.1	0.2	5361.0	0.00	99.99
174.0-175.0	13.1	0.1	5361.1	0.00	99.99
175.0-176.0	13.1	0.1	5361.3	0.00	100.00
176.0-177.0	13.2	0.1	5361.3	0.00	100.00
177.0-178.0	13.2	0.1	5361.4	0.00	100.00
178.0-179.0	13.2	0.0	5361.4	0.00	100.00
179.0-180.0	13.2	0.0	5361.5	0.00	100.00

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

Gamma Plane (?:0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.300 m
Humidity:
Inspector:



Candlepower Table

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G0.0	1549.6	1550.4	1548.6	1548.2	1544.6	1542.5	1549.6	1550.4	1548.6	1548.2
G1.0	1549.0	1549.5	1548.1	1547.7	1544.7	1543.1	1549.3	1550.1	1548.5	1548.3
G2.0	1547.8	1548.2	1546.9	1546.9	1544.2	1542.9	1548.2	1549.4	1548.1	1547.3
G3.0	1546.1	1546.5	1545.2	1545.5	1543.1	1542.2	1546.6	1548.2	1547.1	1546.3
G4.0	1543.8	1544.0	1543.1	1543.9	1541.5	1540.9	1544.6	1546.4	1545.5	1544.6
G5.0	1540.6	1540.9	1540.4	1541.1	1539.4	1538.9	1541.9	1543.8	1543.3	1542.4
G6.0	1537.0	1537.2	1536.9	1538.3	1536.8	1536.3	1538.0	1540.4	1540.8	1539.7
G7.0	1532.3	1533.0	1533.3	1534.8	1533.5	1532.9	1534.1	1537.0	1537.8	1536.6
G8.0	1527.3	1528.1	1529.3	1531.0	1530.0	1529.2	1529.3	1532.5	1533.9	1533.0
G9.0	1521.5	1522.4	1524.8	1526.6	1525.8	1524.7	1523.6	1527.5	1529.7	1529.3
G10.0	1515.4	1516.5	1519.3	1521.6	1521.1	1519.9	1517.5	1521.7	1525.0	1524.3
G11.0	1508.3	1509.8	1513.5	1516.3	1515.7	1514.2	1510.7	1515.6	1519.8	1519.4
G12.0	1500.8	1502.7	1507.4	1510.9	1510.2	1508.1	1503.2	1508.9	1513.8	1513.8
G13.0	1492.7	1494.7	1500.6	1504.6	1503.7	1501.6	1495.4	1501.7	1507.8	1507.8
G14.0	1484.2	1486.3	1493.0	1498.3	1497.3	1494.1	1486.3	1493.7	1500.8	1501.6
G15.0	1474.8	1477.5	1485.5	1491.3	1489.8	1486.2	1477.3	1485.1	1493.6	1495.0
G16.0	1465.1	1467.9	1477.4	1484.1	1482.3	1477.9	1467.0	1476.0	1486.3	1487.8
G17.0	1454.5	1458.3	1469.1	1476.0	1474.4	1468.8	1456.8	1466.3	1478.2	1480.3
G18.0	1443.5	1447.8	1460.0	1468.1	1465.8	1459.2	1445.7	1455.8	1469.1	1472.2
G19.0	1431.8	1436.6	1450.7	1459.6	1457.0	1449.2	1434.1	1445.4	1460.6	1464.2
G20.0	1419.9	1425.0	1440.6	1450.5	1447.9	1438.8	1421.7	1433.7	1451.0	1455.3
G21.0	1407.1	1413.0	1430.7	1441.5	1437.5	1427.3	1408.7	1422.2	1441.4	1446.7
G22.0	1394.1	1400.8	1419.9	1431.9	1427.4	1415.6	1395.7	1410.2	1431.1	1437.1
G23.0	1380.6	1387.8	1408.7	1422.1	1417.2	1403.6	1381.7	1397.2	1420.7	1427.4
G24.0	1365.8	1374.8	1397.2	1411.8	1406.2	1391.2	1366.7	1383.4	1409.3	1416.7
G25.0	1352.3	1360.9	1385.6	1401.2	1394.6	1378.3	1351.9	1370.0	1397.9	1406.0
G26.0	1335.7	1346.9	1373.4	1390.2	1383.1	1364.4	1336.8	1355.4	1385.7	1394.9
G27.0	1320.4	1332.1	1361.2	1379.0	1370.7	1350.7	1320.6	1341.3	1373.7	1383.4
G28.0	1304.8	1317.2	1348.0	1367.5	1358.1	1336.3	1303.9	1325.6	1360.4	1372.0
G29.0	1288.4	1302.3	1335.5	1355.7	1345.9	1321.5	1287.0	1310.2	1347.8	1359.7
G30.0	1272.1	1286.8	1321.7	1343.1	1332.7	1306.3	1270.5	1293.7	1334.1	1347.7
G31.0	1255.6	1270.5	1308.0	1330.6	1319.2	1291.2	1252.3	1277.6	1320.6	1334.8
G32.0	1239.2	1253.7	1293.6	1317.7	1305.1	1275.0	1234.7	1260.6	1306.2	1321.8
G33.0	1221.5	1237.5	1279.4	1304.6	1291.3	1258.8	1215.9	1243.4	1291.7	1308.2
G34.0	1202.6	1220.4	1264.4	1291.0	1276.5	1241.8	1197.1	1225.7	1277.2	1294.6
G35.0	1184.4	1203.1	1249.7	1277.4	1262.1	1225.1	1177.3	1208.3	1261.4	1280.3
G36.0	1165.1	1185.7	1234.3	1263.2	1247.0	1207.5	1157.8	1190.3	1245.8	1266.3

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

Gamma Plane (?:0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.300 m
Humidity:
Inspector:



Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G37.0	1147.9	1167.7	1219.4	1249.1	1231.9	1190.3	1138.3	1171.7	1230.1	1251.4
G38.0	1129.2	1149.8	1203.2	1234.4	1215.9	1172.4	1117.3	1152.4	1213.8	1237.2
G39.0	1109.8	1131.6	1187.4	1219.5	1200.1	1154.2	1097.2	1133.5	1197.2	1222.3
G40.0	1089.0	1113.2	1171.0	1204.9	1184.0	1135.7	1076.5	1114.2	1180.8	1207.3
G41.0	1070.9	1094.5	1154.4	1190.1	1167.6	1116.8	1054.9	1094.5	1164.1	1192.1
G42.0	1049.5	1076.0	1137.7	1175.2	1150.5	1097.4	1033.2	1073.9	1147.5	1176.6
G43.0	1030.2	1057.8	1121.1	1160.1	1134.5	1078.6	1011.4	1054.0	1129.9	1160.6
G44.0	1007.7	1037.1	1104.1	1144.9	1117.3	1058.9	989.6	1033.9	1113.0	1144.5
G45.0	987.1	1016.7	1087.6	1129.6	1100.9	1039.5	966.6	1012.6	1095.4	1128.5
G46.0	966.0	996.6	1070.6	1113.8	1083.7	1019.2	944.3	992.0	1078.0	1111.9
G47.0	945.4	977.3	1054.2	1097.8	1066.9	998.7	921.4	970.9	1059.8	1095.2
G48.0	923.8	957.3	1036.5	1081.4	1049.7	979.3	899.0	949.7	1042.3	1078.4
G49.0	901.1	937.4	1019.4	1065.6	1032.5	958.2	874.8	927.8	1023.6	1061.2
G50.0	879.5	915.5	1002.3	1049.0	1014.4	937.9	851.8	906.7	1005.7	1043.8
G51.0	856.5	896.9	984.6	1032.9	997.2	917.0	827.4	884.3	986.5	1026.0
G52.0	834.3	874.8	966.4	1016.0	979.1	895.5	804.5	862.6	968.5	1008.3
G53.0	811.6	854.5	949.4	999.0	961.8	874.7	780.3	840.5	948.5	989.6
G54.0	789.6	833.8	930.6	981.4	943.1	853.7	756.5	818.6	930.6	971.6
G55.0	767.0	812.7	913.2	964.9	925.0	832.2	731.9	796.3	910.7	953.5
G56.0	743.1	791.7	894.9	946.8	906.5	811.4	707.9	773.8	891.3	934.8
G57.0	719.9	769.8	876.2	930.3	888.8	790.2	682.2	752.2	871.5	915.6
G58.0	696.5	748.9	858.2	911.9	870.2	767.9	658.0	730.8	851.8	896.6
G59.0	672.9	728.1	839.3	894.0	851.9	746.1	632.5	708.3	832.0	877.8
G60.0	649.2	707.4	821.7	876.3	832.7	724.5	607.9	686.6	812.7	858.4
G61.0	626.6	686.8	802.5	858.2	814.4	703.6	581.9	664.0	792.2	838.7
G62.0	602.6	665.9	783.6	839.9	795.3	682.1	557.2	641.9	772.9	819.3
G63.0	579.2	645.6	764.7	821.8	777.0	661.0	531.6	620.3	752.3	798.9
G64.0	554.6	625.0	746.6	802.9	756.9	639.5	506.6	598.6	732.5	779.3
G65.0	531.0	603.7	727.4	785.0	738.4	618.5	480.1	576.5	712.1	759.4
G66.0	506.5	583.4	708.8	766.0	719.2	597.5	456.0	554.8	692.4	739.6
G67.0	482.7	562.7	689.4	746.8	700.1	576.2	430.6	533.3	671.4	719.1
G68.0	457.4	542.7	671.3	728.3	680.8	555.4	405.9	511.9	652.2	699.4
G69.0	433.8	522.7	652.0	709.5	662.1	534.0	379.4	490.5	631.4	678.8
G70.0	409.5	502.4	633.5	690.8	643.0	514.2	354.8	469.7	611.5	658.5
G71.0	385.4	482.3	614.2	671.8	623.8	493.0	329.5	448.7	591.4	638.7
G72.0	361.2	462.3	595.6	653.2	605.1	472.8	305.1	428.3	571.3	618.7
G73.0	337.6	443.4	576.8	634.3	585.9	452.4	280.9	407.7	551.5	599.0

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

Gamma Plane (?:0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.300 m
Humidity:
Inspector:



Candlepower Table (Continue 2)

Unit: cd

G/C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G74.0	314.3	423.4	558.5	615.4	566.9	432.4	256.1	387.6	531.7	579.4
G75.0	290.1	404.5	540.0	596.3	548.1	412.1	232.5	367.4	512.8	559.8
G76.0	267.6	385.5	521.6	578.5	529.4	392.5	208.8	348.4	493.6	540.6
G77.0	244.0	366.4	503.5	559.7	511.0	373.1	185.9	329.0	474.3	521.4
G78.0	221.8	348.1	485.6	541.9	493.2	354.2	164.3	310.3	455.5	501.9
G79.0	199.8	329.9	467.6	523.2	474.8	335.5	142.5	292.5	437.5	483.8
G80.0	178.4	312.3	450.6	505.4	457.1	317.2	122.5	274.8	419.2	466.3
G81.0	157.7	295.1	432.9	487.7	439.1	299.3	103.7	257.7	402.6	449.2
G82.0	137.3	278.6	416.1	470.9	422.0	281.8	85.8	241.5	385.9	432.4
G83.0	118.4	262.2	399.6	453.7	405.1	264.4	70.0	226.1	369.9	416.5
G84.0	100.7	247.0	383.8	437.4	388.8	248.4	55.5	211.7	354.6	400.4
G85.0	83.9	231.8	368.5	421.6	373.1	232.5	43.4	198.2	339.7	385.8
G86.0	69.2	217.8	353.5	406.4	358.0	217.3	33.7	185.8	325.5	371.4
G87.0	56.2	204.0	339.2	391.4	343.2	203.2	27.0	174.4	312.5	357.8
G88.0	45.5	191.8	326.1	377.4	329.4	189.8	23.4	163.5	299.5	344.3
G89.0	36.9	180.3	312.4	363.2	316.1	177.4	22.6	153.8	288.1	331.8
G90.0	31.5	170.0	300.4	350.7	302.9	166.2	22.2	145.0	276.4	319.6
G91.0	28.6	160.3	288.4	337.9	290.7	155.8	21.9	136.5	265.4	308.4
G92.0	27.6	151.4	277.3	325.3	279.2	146.3	21.6	128.4	254.3	296.6
G93.0	27.1	142.9	266.6	313.8	267.9	137.6	21.3	120.8	244.4	286.1
G94.0	26.6	135.0	256.5	302.8	257.5	129.6	21.0	113.3	234.4	275.5
G95.0	26.1	127.5	246.5	292.0	247.4	121.9	20.6	106.1	225.2	265.4
G96.0	25.6	120.6	237.0	282.1	237.8	114.7	20.3	99.1	215.8	255.6
G97.0	25.1	113.7	227.8	272.1	228.4	107.9	20.1	92.5	206.7	246.1
G98.0	24.6	107.2	219.1	262.2	219.4	101.1	19.8	86.2	197.4	236.3
G99.0	24.2	101.0	210.4	252.9	210.4	94.8	19.5	80.1	188.9	227.4
G100.0	23.7	95.1	202.0	243.8	202.1	88.7	19.2	74.3	180.2	218.0
G101.0	23.2	89.1	193.8	234.7	193.6	82.9	19.0	68.8	172.0	209.2
G102.0	22.8	83.7	185.7	226.2	185.5	77.5	18.7	63.6	163.9	200.4
G103.0	22.4	78.2	178.0	217.3	177.4	72.2	18.5	59.1	154.7	192.1
G104.0	21.9	72.8	169.7	209.2	169.7	67.1	18.0	54.6	141.5	183.9
G105.0	21.5	67.9	162.6	200.7	162.1	62.2	17.9	50.5	131.7	175.7
G106.0	21.1	62.9	155.2	192.6	154.4	57.6	17.4	46.5	122.3	166.7
G107.0	20.6	58.5	148.2	184.6	147.3	53.2	17.1	42.7	115.4	157.8
G108.0	20.3	54.3	140.9	177.0	140.2	49.1	16.8	38.6	109.4	150.3
G109.0	19.9	50.6	129.8	169.5	129.6	45.4	16.5	35.1	103.4	143.3
G110.0	19.5	46.7	120.2	162.1	119.9	41.9	16.4	31.5	97.3	136.4

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

Gamma Plane (?:0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.300 m
Humidity:
Inspector:



Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G111.0	19.1	43.2	111.3	154.4	111.6	38.7	16.0	28.5	91.4	129.8
G112.0	18.7	39.5	104.6	144.6	105.0	35.4	15.8	26.0	86.2	123.2
G113.0	18.4	36.0	99.2	137.0	99.5	32.3	15.5	23.9	81.4	116.8
G114.0	18.0	32.8	94.0	130.4	93.9	29.4	15.2	22.0	76.7	110.7
G115.0	17.7	29.8	88.6	124.0	88.7	26.8	15.0	20.4	72.2	104.6
G116.0	17.3	27.3	83.3	117.9	83.1	24.4	14.7	19.0	67.8	99.0
G117.0	17.0	25.0	78.5	111.8	78.0	22.5	14.5	17.6	63.5	93.8
G118.0	16.7	23.0	73.8	105.8	73.0	20.7	14.3	16.2	59.5	88.5
G119.0	16.4	21.3	69.2	100.1	68.5	19.1	14.1	15.3	55.5	83.4
G120.0	16.0	19.8	64.9	94.6	64.0	17.7	13.9	14.7	51.5	78.3
G121.0	15.8	18.4	60.8	89.2	59.7	16.5	13.7	14.4	47.9	73.6
G122.0	15.5	17.2	56.6	83.9	55.6	15.5	13.4	14.2	44.2	69.2
G123.0	15.2	16.2	52.8	78.9	51.8	14.9	13.3	13.9	40.9	64.5
G124.0	14.9	15.5	49.1	74.1	48.0	14.6	13.1	13.7	37.7	60.2
G125.0	14.6	15.1	45.6	69.5	44.5	14.4	12.9	13.5	34.6	56.0
G126.0	14.4	14.8	42.2	64.9	41.0	14.1	12.8	13.3	31.8	52.1
G127.0	14.1	14.4	39.0	60.6	37.8	13.9	12.6	13.2	29.0	48.2
G128.0	13.9	14.2	35.7	56.4	34.6	13.7	12.4	13.0	26.6	44.6
G129.0	13.6	13.9	32.9	52.4	31.7	13.4	12.3	12.8	24.3	40.9
G130.0	13.4	13.7	30.3	48.5	28.9	13.3	12.1	12.6	22.2	37.5
G131.0	13.1	13.5	27.7	44.8	26.4	13.1	12.0	12.5	20.2	34.1
G132.0	13.0	13.3	25.3	41.1	24.1	12.9	11.9	12.4	18.3	31.0
G133.0	12.7	13.1	23.2	37.7	22.0	12.8	11.8	12.2	16.5	28.1
G134.0	12.5	12.9	21.2	34.3	20.0	12.6	11.6	12.1	15.1	25.6
G135.0	12.3	12.7	19.3	31.2	18.1	12.5	11.5	12.0	14.4	23.2
G136.0	12.2	12.5	17.5	28.3	16.5	12.3	11.4	11.8	14.1	20.9
G137.0	12.0	12.4	16.0	25.7	15.1	12.2	11.3	11.7	14.0	18.8
G138.0	11.8	12.2	14.8	23.2	14.2	12.1	11.2	11.6	13.9	17.0
G139.0	11.7	12.0	14.2	21.0	13.8	11.9	11.1	11.6	13.9	15.9
G140.0	11.6	11.9	13.9	18.9	13.6	11.8	11.0	11.5	13.8	15.4
G141.0	11.4	11.8	13.9	17.1	13.5	11.7	10.9	11.4	13.8	15.2
G142.0	11.3	11.6	13.8	15.8	13.5	11.6	10.8	11.4	13.7	15.1
G143.0	11.3	11.6	13.8	15.0	13.5	11.6	10.8	11.4	13.6	15.0
G144.0	11.2	11.5	13.8	14.7	13.4	11.5	10.9	11.5	13.6	14.9
G145.0	11.1	11.5	13.8	14.6	13.4	11.4	10.9	11.6	13.6	14.8
G146.0	11.0	11.6	13.7	14.5	13.4	11.4	10.9	11.6	13.5	14.7
G147.0	10.9	11.6	13.7	14.5	13.3	11.5	11.0	11.7	13.5	14.6

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

Gamma Plane (?:0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.300 m
Humidity:
Inspector:



Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G148.0	11.0	11.7	13.6	14.4	13.3	11.6	11.1	11.8	13.4	14.5
G149.0	11.0	11.8	13.6	14.4	13.3	11.6	11.2	11.8	13.4	14.4
G150.0	11.1	11.8	13.6	14.3	13.2	11.7	11.3	11.9	13.4	14.3
G151.0	11.2	11.9	13.6	14.2	13.3	11.8	11.4	11.9	13.3	14.2
G152.0	11.3	11.9	13.6	14.1	13.2	11.8	11.5	12.0	13.3	14.1
G153.0	11.4	12.0	13.6	14.1	13.2	11.9	11.7	12.1	13.3	14.0
G154.0	11.6	12.1	13.5	14.0	13.2	12.0	11.8	12.1	13.2	13.9
G155.0	11.6	12.2	13.5	14.0	13.1	12.0	11.8	12.1	13.2	13.8
G156.0	11.8	12.2	13.4	13.9	13.1	12.1	11.9	12.2	13.2	13.8
G157.0	11.8	12.3	13.4	13.8	13.1	12.2	12.1	12.2	13.1	13.7
G158.0	11.9	12.4	13.3	13.8	13.1	12.2	12.1	12.2	13.1	13.6
G159.0	12.0	12.4	13.3	13.7	13.1	12.3	12.3	12.3	13.1	13.5
G160.0	12.1	12.4	13.2	13.6	13.1	12.4	12.3	12.4	13.1	13.5
G161.0	12.2	12.5	13.2	13.6	13.1	12.4	12.4	12.4	13.0	13.4
G162.0	12.3	12.6	13.2	13.6	13.1	12.5	12.5	12.4	13.0	13.3
G163.0	12.4	12.6	13.1	13.5	13.1	12.6	12.6	12.5	13.0	13.3
G164.0	12.5	12.7	13.1	13.5	13.1	12.6	12.6	12.6	13.0	13.3
G165.0	12.5	12.8	13.2	13.4	13.1	12.7	12.8	12.6	13.0	13.2
G166.0	12.6	12.8	13.2	13.4	13.1	12.7	12.8	12.6	13.0	13.1
G167.0	12.7	12.9	13.2	13.3	13.1	12.8	12.9	12.6	12.9	13.1
G168.0	12.8	13.0	13.2	13.4	13.1	12.8	13.0	12.7	12.9	13.1
G169.0	12.9	13.0	13.2	13.3	13.1	12.8	13.0	12.7	12.9	13.1
G170.0	13.0	13.0	13.2	13.3	13.1	12.9	13.1	12.8	12.9	13.1
G171.0	13.0	13.0	13.2	13.3	13.1	12.9	13.1	12.8	12.9	13.1
G172.0	13.1	13.1	13.2	13.3	13.1	13.0	13.2	12.9	12.9	13.1
G173.0	13.1	13.1	13.2	13.3	13.1	13.0	13.3	13.0	12.9	13.1
G174.0	13.2	13.1	13.1	13.3	13.1	13.0	13.3	13.1	12.9	13.1
G175.0	13.3	13.1	13.1	13.4	13.1	13.0	13.3	13.1	13.0	13.1
G176.0	13.3	13.2	13.1	13.4	13.1	13.1	13.4	13.2	13.0	13.2
G177.0	13.3	13.2	13.0	13.3	13.1	13.1	13.3	13.2	13.1	13.3
G178.0	13.3	13.2	13.0	13.3	13.1	13.1	13.4	13.3	13.2	13.4
G179.0	13.4	13.2	13.0	13.4	13.1	13.1	13.4	13.3	13.1	13.4
G180.0	13.4	13.2	13.1	13.4	13.2	13.2	13.4	13.2	13.1	13.4

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

Gamma Plane (?:0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.300 m
Humidity:
Inspector:



Candlepower Table (Continue 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	1544.6	1542.5	1549.6							
G1.0	1544.1	1541.4	1549.0							
G2.0	1542.9	1539.6	1547.8							
G3.0	1541.3	1537.4	1546.1							
G4.0	1539.1	1534.1	1543.8							
G5.0	1536.6	1530.7	1540.6							
G6.0	1533.3	1526.5	1537.0							
G7.0	1529.6	1521.7	1532.3							
G8.0	1525.4	1516.2	1527.3							
G9.0	1520.6	1510.2	1521.5							
G10.0	1515.3	1503.4	1515.4							
G11.0	1509.8	1496.4	1508.3							
G12.0	1503.3	1488.7	1500.8							
G13.0	1496.8	1480.4	1492.7							
G14.0	1489.6	1471.3	1484.2							
G15.0	1481.8	1462.0	1474.8							
G16.0	1473.8	1452.2	1465.1							
G17.0	1465.2	1441.4	1454.5							
G18.0	1455.9	1430.6	1443.5							
G19.0	1446.4	1419.1	1431.8							
G20.0	1436.6	1407.1	1419.9							
G21.0	1426.4	1394.5	1407.1							
G22.0	1415.5	1381.4	1394.1							
G23.0	1404.3	1368.0	1380.6							
G24.0	1393.1	1354.0	1365.8							
G25.0	1380.9	1339.3	1352.3							
G26.0	1368.4	1324.5	1335.7							
G27.0	1355.7	1309.6	1320.4							
G28.0	1342.9	1294.1	1304.8							
G29.0	1329.5	1277.9	1288.4							
G30.0	1315.5	1261.6	1272.1							
G31.0	1301.3	1244.9	1255.6							
G32.0	1286.9	1228.2	1239.2							
G33.0	1272.0	1210.8	1221.5							
G34.0	1256.9	1192.7	1202.6							
G35.0	1241.0	1174.6	1184.4							
G36.0	1225.6	1156.6	1165.1							

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

Gamma Plane (?:0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.300 m
Humidity:
Inspector:



Candlepower Table (Continue 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	1209.6	1138.4	1147.9							
G38.0	1193.8	1119.8	1129.2							
G39.0	1176.6	1099.9	1109.8							
G40.0	1160.2	1080.5	1089.0							
G41.0	1143.1	1061.0	1070.9							
G42.0	1126.4	1041.0	1049.5							
G43.0	1108.9	1020.8	1030.2							
G44.0	1092.2	1000.4	1007.7							
G45.0	1074.2	980.1	987.1							
G46.0	1056.6	959.3	966.0							
G47.0	1038.6	938.4	945.4							
G48.0	1021.0	917.5	923.8							
G49.0	1002.5	895.9	901.1							
G50.0	984.5	875.0	879.5							
G51.0	965.5	853.1	856.5							
G52.0	946.7	831.7	834.3							
G53.0	928.0	809.9	811.6							
G54.0	908.9	788.5	789.6							
G55.0	889.6	766.7	767.0							
G56.0	870.9	745.5	743.1							
G57.0	851.2	723.1	719.9							
G58.0	831.7	701.6	696.5							
G59.0	811.8	680.5	672.9							
G60.0	793.4	659.4	649.2							
G61.0	772.8	637.3	626.6							
G62.0	753.3	616.2	602.6							
G63.0	733.3	594.6	579.2							
G64.0	714.2	573.1	554.6							
G65.0	693.8	552.4	531.0							
G66.0	674.5	531.4	506.5							
G67.0	653.7	510.5	482.7							
G68.0	634.8	489.7	457.4							
G69.0	614.5	468.6	433.8							
G70.0	594.1	448.0	409.5							
G71.0	574.9	428.1	385.4							
G72.0	555.1	407.9	361.2							
G73.0	536.5	388.5	337.6							

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

Gamma Plane (? : 0.0-180.0 : 1.0
Test Device: GPM-1600L
Distance: 7.300 m
Humidity:
Inspector:



Candlepower Table (Continue 7)

Unit: cd

G/C	C300.0	C330.0	C360.0							
G74.0	516.8	369.1	314.3							
G75.0	497.9	350.1	290.1							
G76.0	478.8	330.7	267.6							
G77.0	460.3	312.8	244.0							
G78.0	442.2	295.3	221.8							
G79.0	425.1	278.3	199.8							
G80.0	407.8	260.8	178.4							
G81.0	390.9	245.4	157.7							
G82.0	374.4	229.8	137.3							
G83.0	359.8	215.6	118.4							
G84.0	344.7	202.5	100.7							
G85.0	330.6	189.8	83.9							
G86.0	317.1	177.9	69.2							
G87.0	304.2	167.4	56.2							
G88.0	291.9	157.4	45.5							
G89.0	280.6	148.3	36.9							
G90.0	269.4	139.8	31.5							
G91.0	258.5	132.0	28.6							
G92.0	248.2	124.1	27.6							
G93.0	238.3	116.7	27.1							
G94.0	228.9	109.5	26.6							
G95.0	219.7	102.7	26.1							
G96.0	210.3	95.9	25.6							
G97.0	201.5	89.6	25.1							
G98.0	192.6	83.6	24.6							
G99.0	184.3	77.9	24.2							
G100.0	175.7	72.2	23.7							
G101.0	167.7	67.0	23.2							
G102.0	159.9	62.4	22.8							
G103.0	150.0	58.1	22.4							
G104.0	136.8	54.0	21.9							
G105.0	128.0	50.3	21.5							
G106.0	119.3	46.7	21.1							
G107.0	113.3	43.1	20.6							
G108.0	107.1	39.5	20.3							
G109.0	101.5	36.2	19.9							
G110.0	95.2	33.2	19.5							

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

Gamma Plane (?:0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.300 m
Humidity:
Inspector:



Candlepower Table (Continue 8)

Unit: cd

G/C	C300.0	C330.0	C360.0							
G111.0	89.8	30.4	19.1							
G112.0	84.9	28.1	18.7							
G113.0	80.2	26.0	18.4							
G114.0	75.7	23.9	18.0							
G115.0	71.2	22.3	17.7							
G116.0	67.1	20.7	17.3							
G117.0	62.9	19.3	17.0							
G118.0	59.1	18.0	16.7							
G119.0	55.3	17.0	16.4							
G120.0	51.6	16.4	16.0							
G121.0	47.9	15.9	15.8							
G122.0	44.3	15.6	15.5							
G123.0	41.1	15.3	15.2							
G124.0	38.0	15.0	14.9							
G125.0	35.0	14.7	14.6							
G126.0	32.2	14.5	14.4							
G127.0	29.4	14.2	14.1							
G128.0	27.0	14.0	13.9							
G129.0	24.7	13.8	13.6							
G130.0	22.6	13.5	13.4							
G131.0	20.5	13.3	13.1							
G132.0	18.7	13.0	13.0							
G133.0	17.0	12.8	12.7							
G134.0	15.6	12.6	12.5							
G135.0	14.8	12.4	12.3							
G136.0	14.4	12.2	12.2							
G137.0	14.3	12.1	12.0							
G138.0	14.2	11.9	11.8							
G139.0	14.2	11.8	11.7							
G140.0	14.1	11.7	11.6							
G141.0	14.1	11.6	11.4							
G142.0	14.0	11.6	11.3							
G143.0	13.9	11.7	11.3							
G144.0	13.9	11.7	11.2							
G145.0	13.9	11.8	11.1							
G146.0	13.8	11.9	11.0							
G147.0	13.8	11.9	10.9							

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

Gamma Plane (?:0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.300 m
Humidity:
Inspector:



Candlepower Table (Continue 9)

Unit: cd

G/C	C300.0	C330.0	C360.0							
G148.0	13.7	12.0	11.0							
G149.0	13.7	12.0	11.0							
G150.0	13.6	12.1	11.1							
G151.0	13.5	12.1	11.2							
G152.0	13.4	12.2	11.3							
G153.0	13.4	12.2	11.4							
G154.0	13.3	12.2	11.6							
G155.0	13.3	12.3	11.6							
G156.0	13.2	12.3	11.8							
G157.0	13.1	12.4	11.8							
G158.0	13.1	12.4	11.9							
G159.0	13.1	12.5	12.0							
G160.0	13.1	12.5	12.1							
G161.0	13.1	12.5	12.2							
G162.0	13.1	12.6	12.3							
G163.0	13.1	12.6	12.4							
G164.0	13.1	12.6	12.5							
G165.0	13.1	12.7	12.5							
G166.0	13.1	12.7	12.6							
G167.0	13.1	12.7	12.7							
G168.0	13.0	12.8	12.8							
G169.0	13.0	12.8	12.9							
G170.0	13.0	12.8	13.0							
G171.0	13.0	12.8	13.0							
G172.0	13.0	12.8	13.1							
G173.0	12.9	12.9	13.1							
G174.0	12.9	13.0	13.2							
G175.0	12.9	13.0	13.3							
G176.0	13.0	13.0	13.3							
G177.0	13.0	13.1	13.3							
G178.0	13.1	13.1	13.3							
G179.0	13.2	13.2	13.4							
G180.0	13.2	13.2	13.4							

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

Gamma Plane (?:0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.300 m
Humidity:
Inspector: