Inventfine Instrument CO.,LTD
http://www.inventfine.com.cn
Tel:86-571-88091262
Fax:86-571-88262100

Report No.: 2022 **Test Time: 2022-11-21 18:58**

Luminaire Property

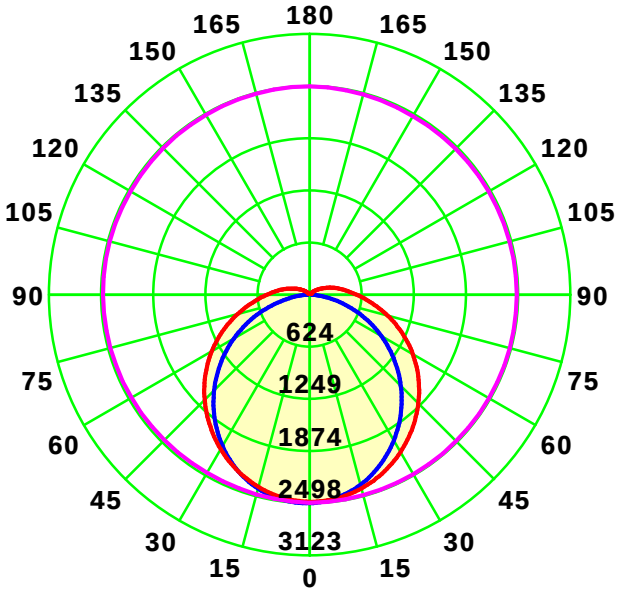
Luminaire Manufacturer:
Luminaire Category: LED
Lamp Description: 4000K
Luminous Width (mm): 60
Voltage: 119.7 V
Power: 58.80 W
Lamp Catalog: MX482H-60W-4FT
Luminous Length (mm): 1200
Luminous Height (mm): 120
Current: 0.493 A
Power Factor: 0.996

Photometric Results

CIE Class: Direct
Measurement Flux: 8630 lm
Downward Ratio: 92%
Field Angle: H159.6 V218.6
Luminaire Efficacy Rating (LER): 147
Max. Intensity: 2498.79 cd
Total Rated Lamp Lumens: 8630.0 lm
Efficiency: 100%
Upward Ratio: 8%
Beam Angle: H108.3 V130.0
Central Intensity: 2497.45 cd
Pos of Max. Intensity: H180 V2

Picture Of Luminaire

Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 119.1?

C0-C180 **C90-C270** **G2**

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

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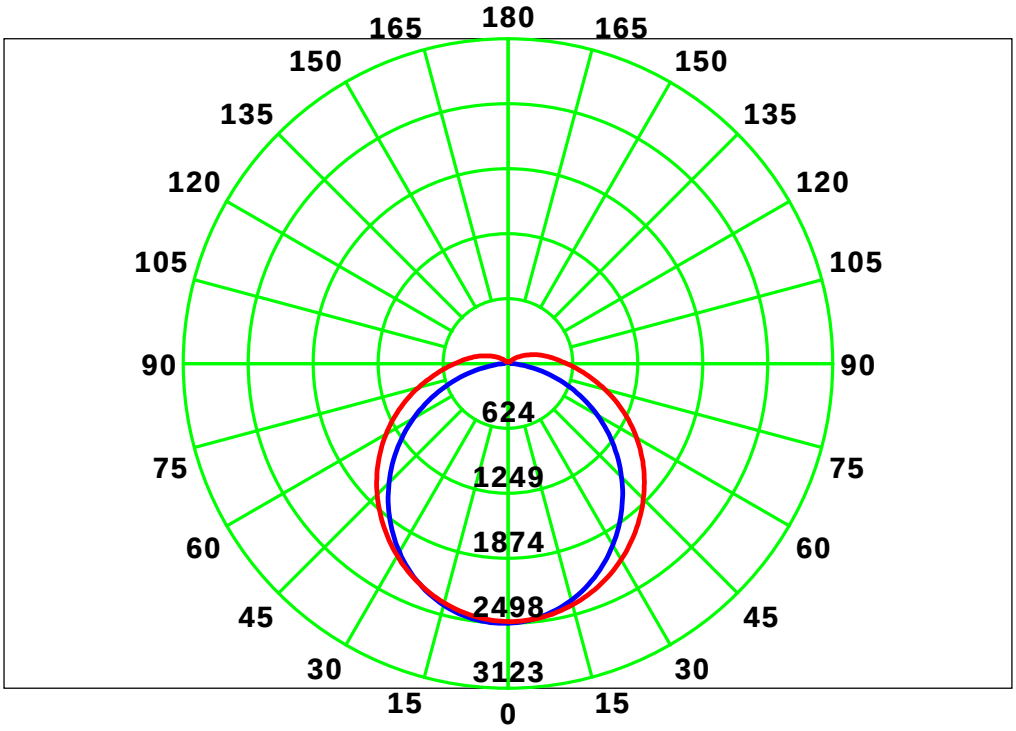
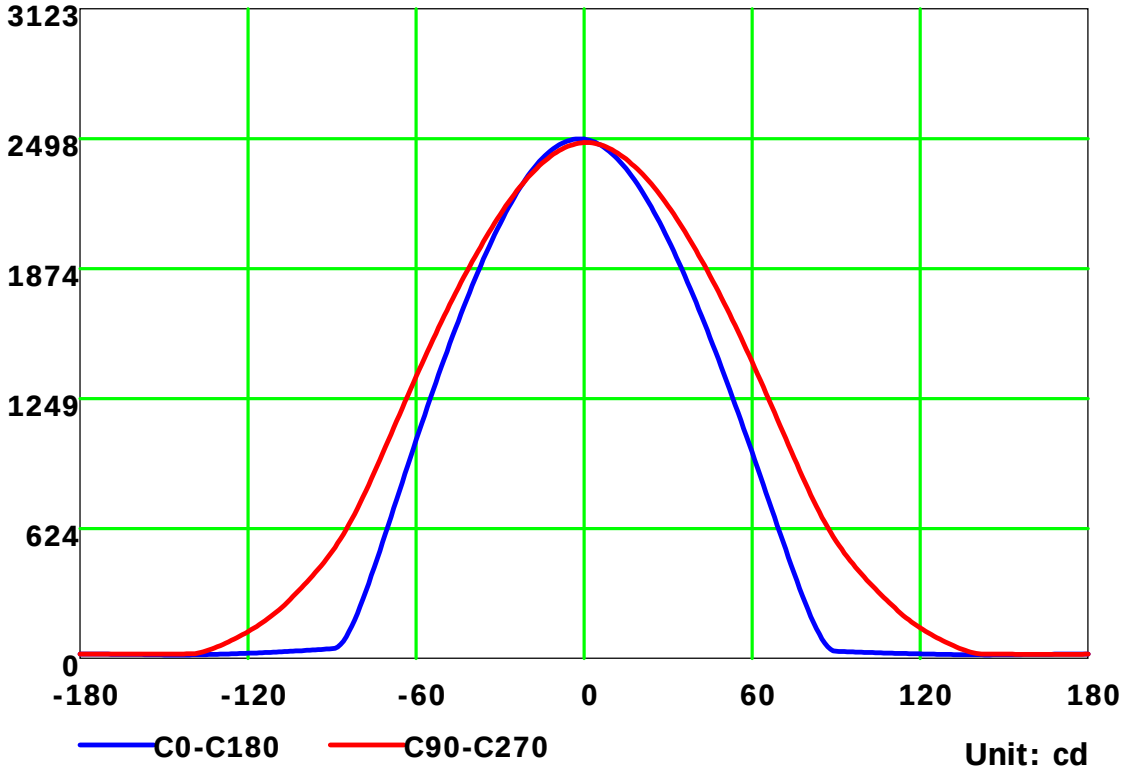
Luminous Intensity Distribution Curve

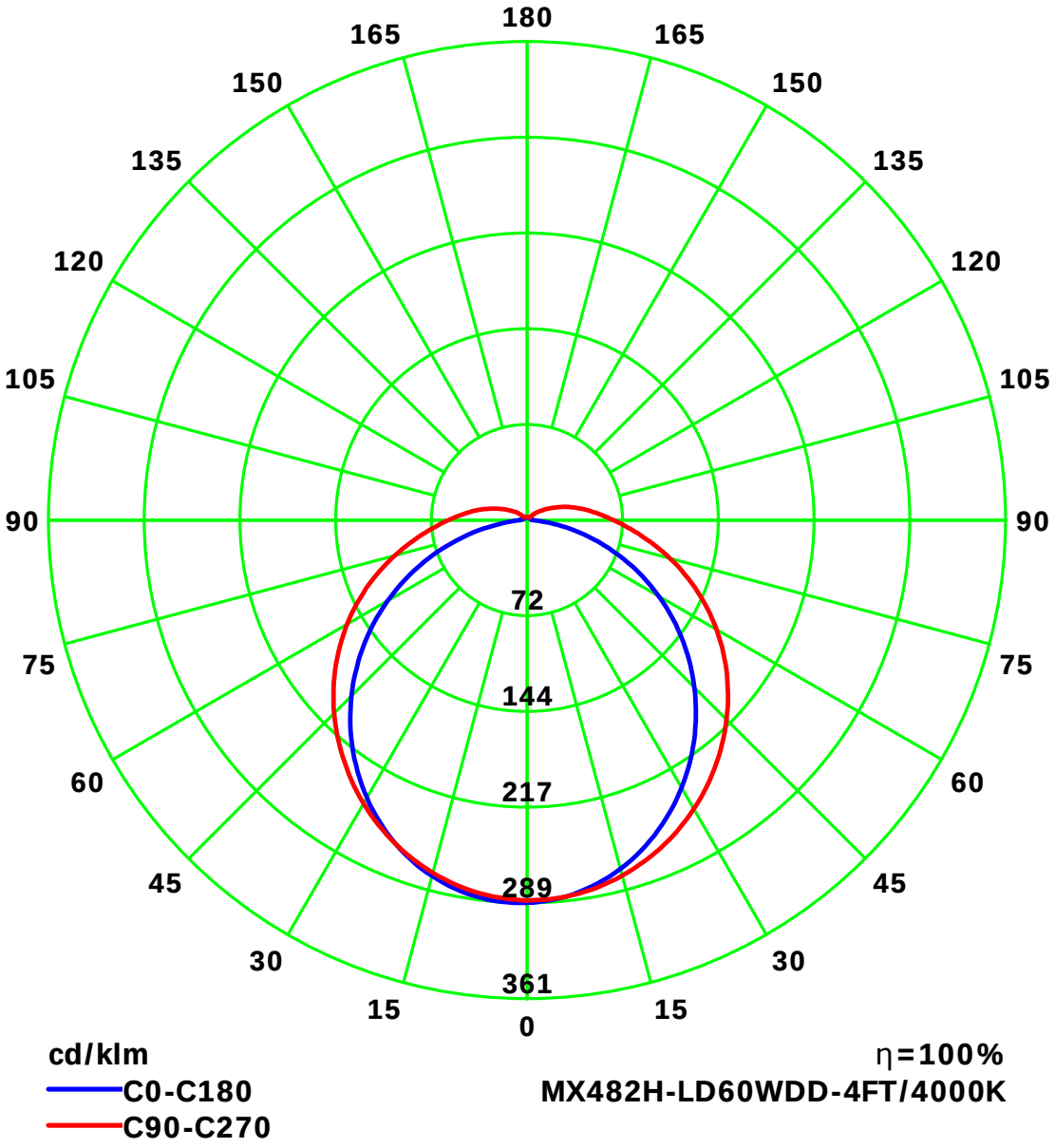




C Plane (?:0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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:

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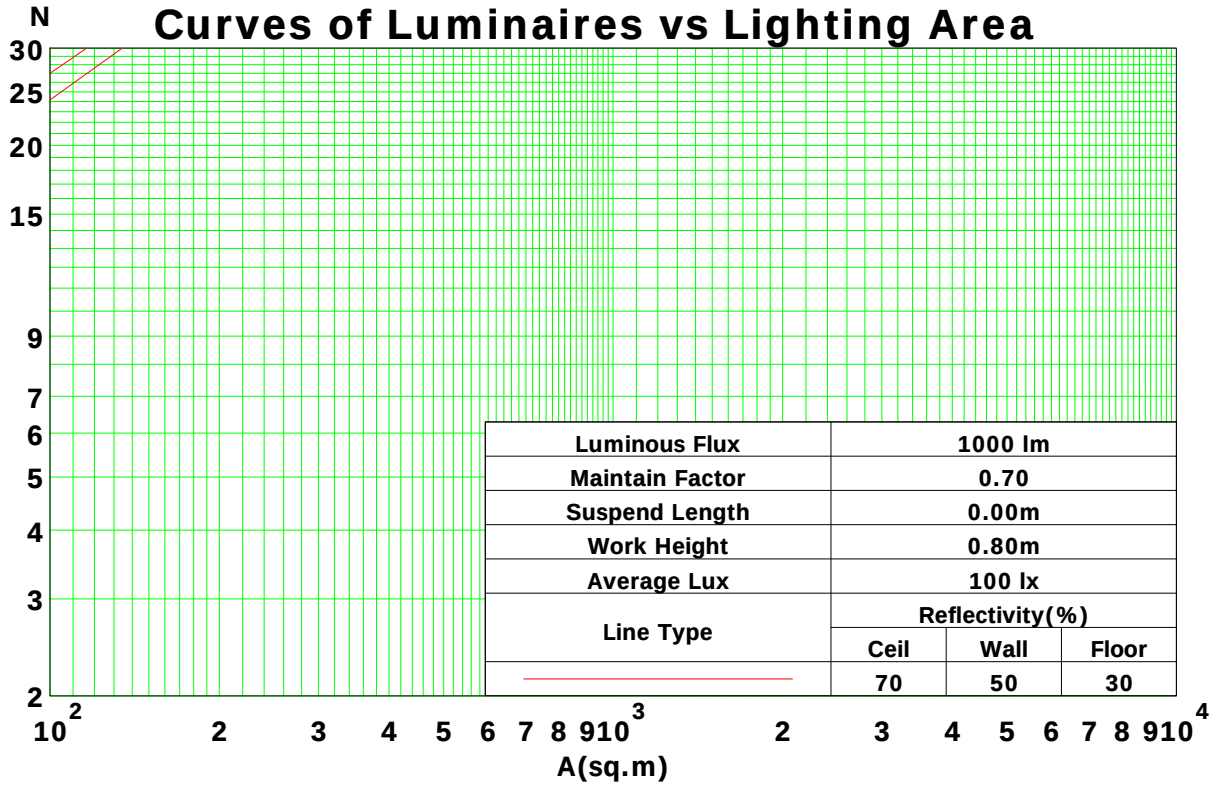
Coefficients Of Utilization - Zonal Cavity Method

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	49
4	79	66	57	50	76	64	55	49	61	53	47	57	51	46	54	49	44	42
5	72	59	49	42	69	57	48	42	54	46	41	51	45	39	49	43	38	36
6	67	53	43	37	64	51	43	36	49	41	35	46	40	34	44	38	34	31
7	62	48	39	32	59	46	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	24
9	53	40	31	26	52	39	31	25	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): 1.38

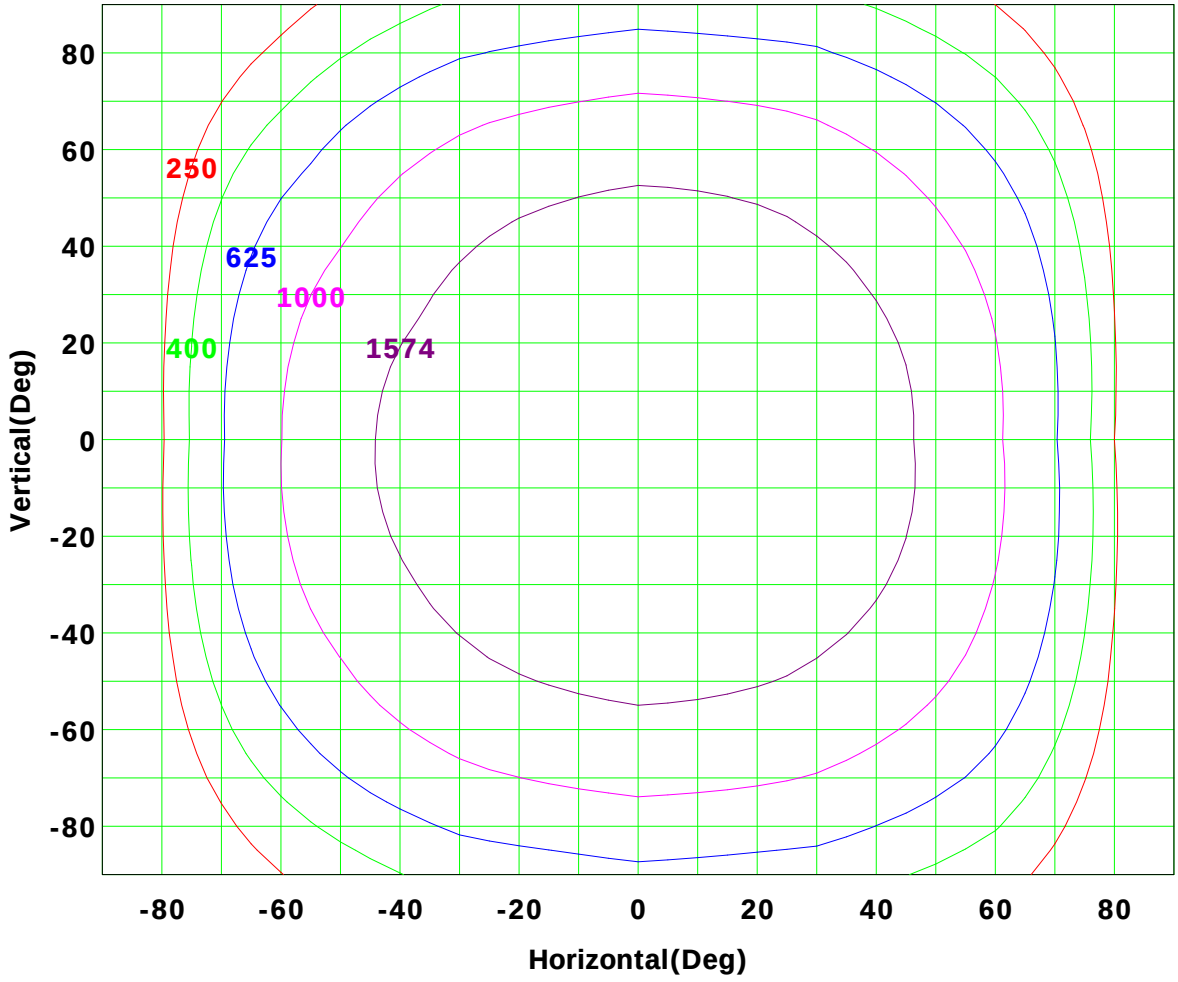
Curves of Luminaires vs Lighting Area



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

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

Isocandela (rectangle)



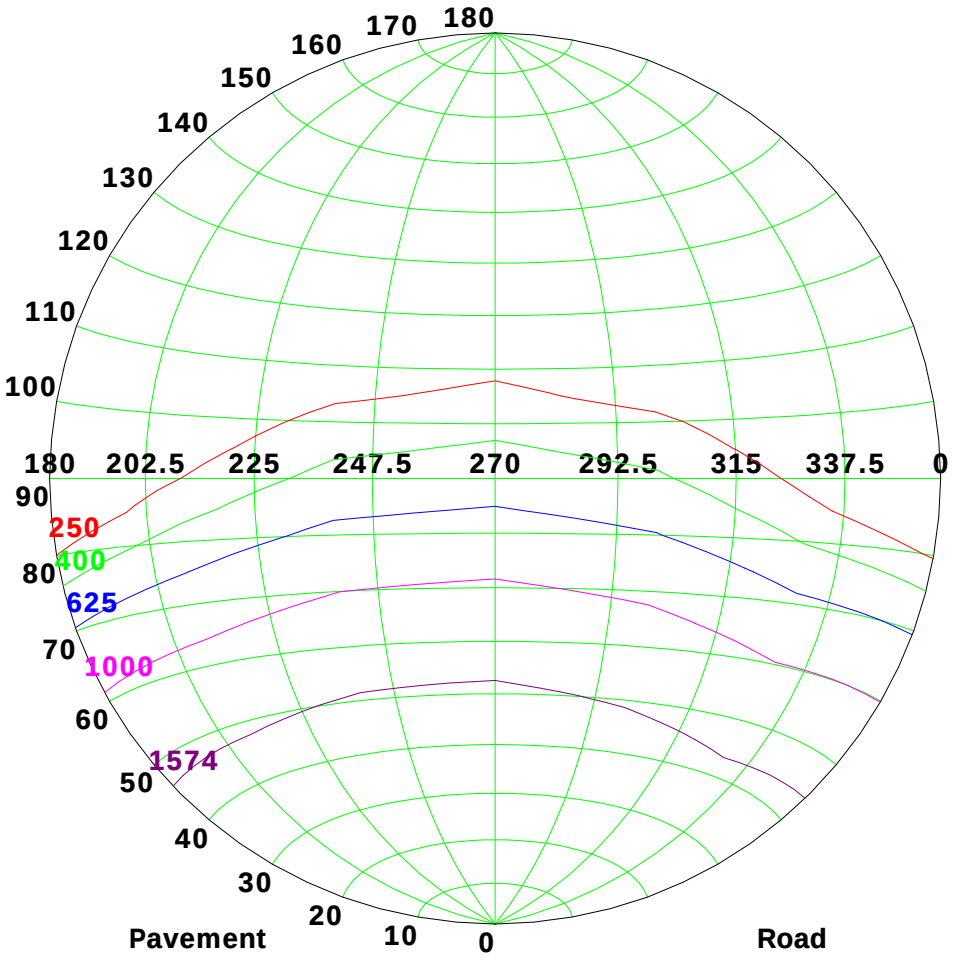
Imax (100%): 2499 cd

(10%): 250 cd
(16%): 400 cd
(25%): 625 cd
(40%): 1000 cd
(63%): 1574 cd
(100%): 2499 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)



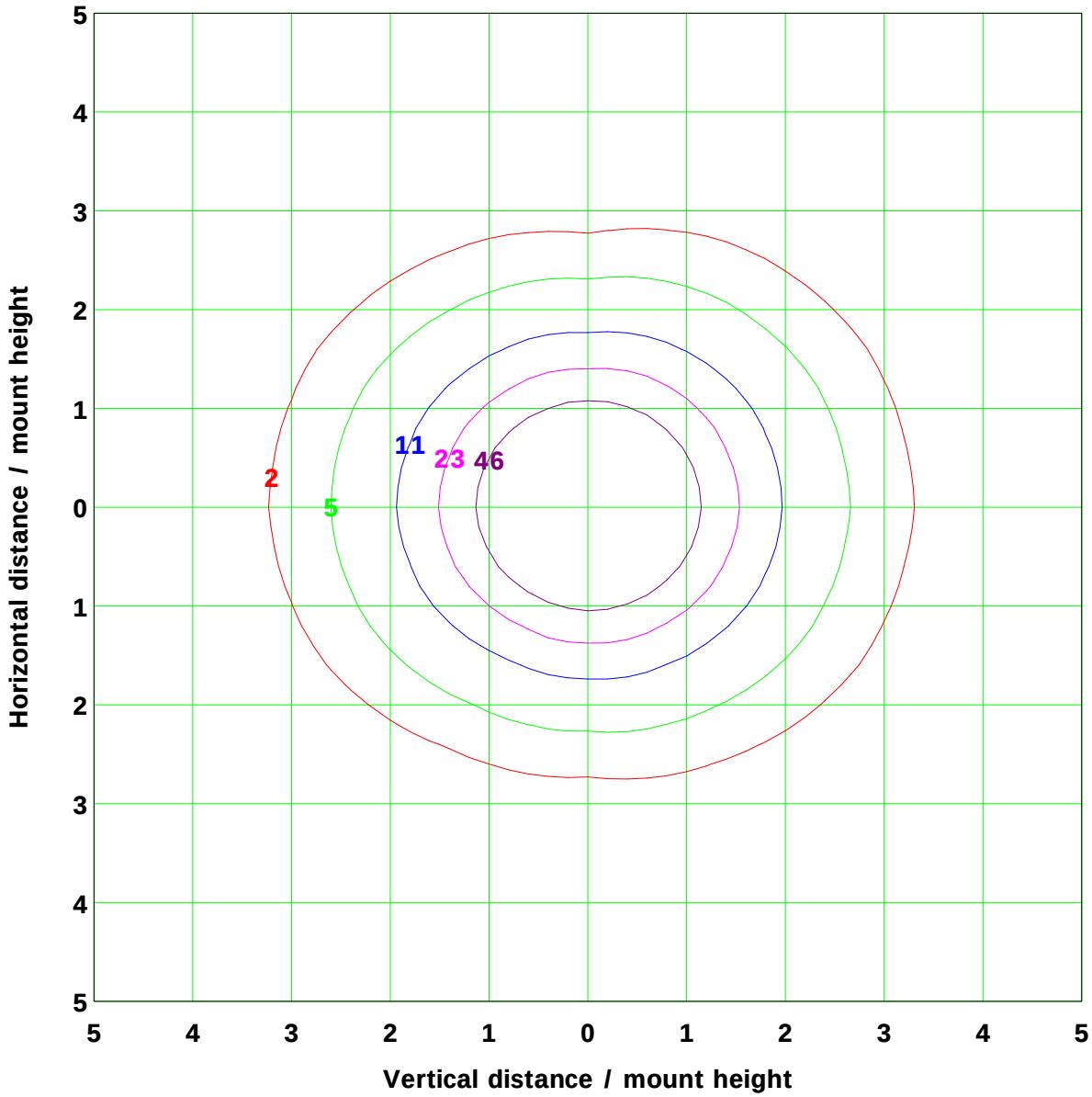
Imax (100%): 2499 cd

(10%): 250 cd	(16%): 400 cd
(25%): 625 cd	(40%): 1000 cd
(63%): 1574 cd	(100%): 2499 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

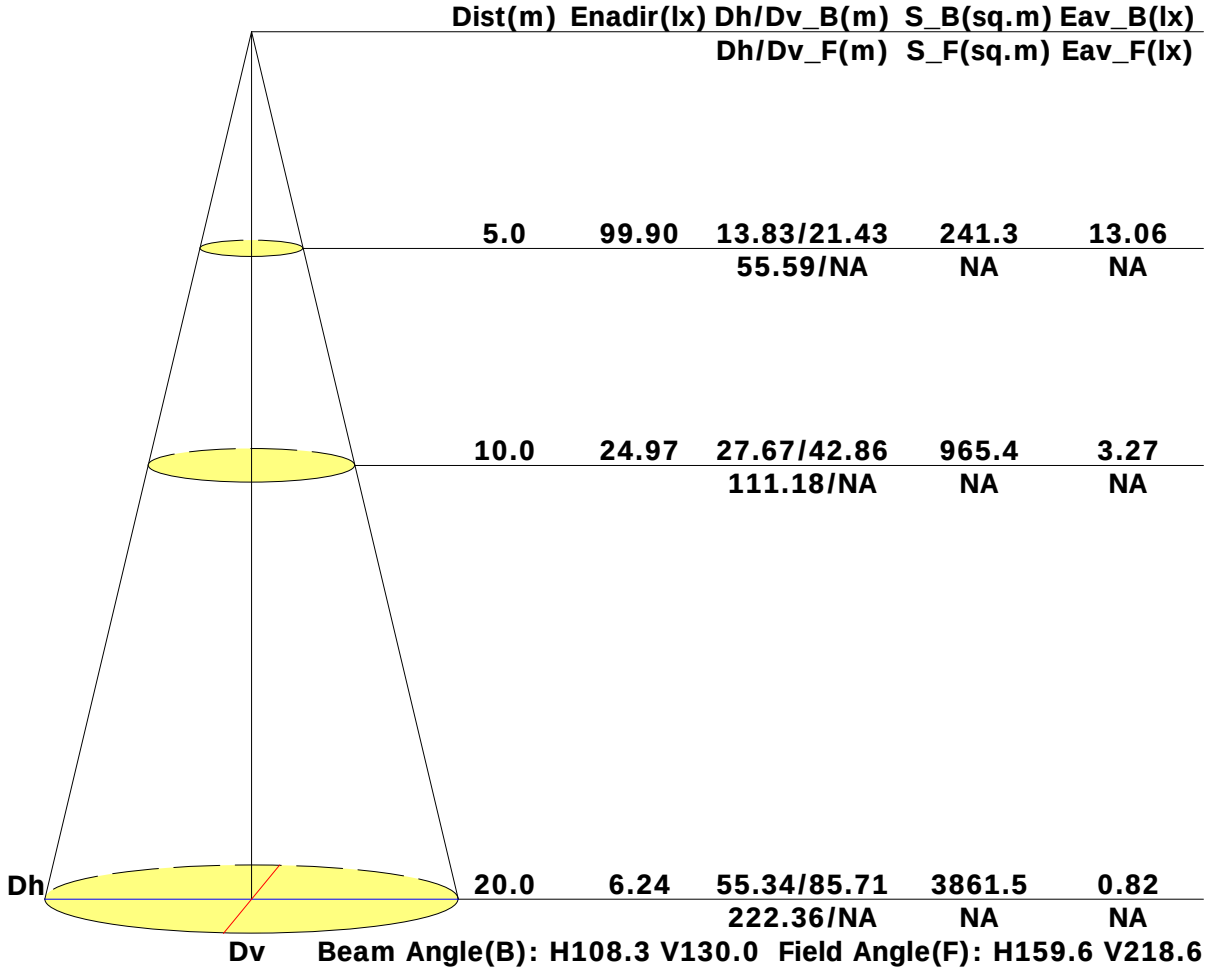


Mounting Height: 3.3m Max Lux(100%): 229.3 lx
(1%): 2.3 lx
(2%): 4.6 lx
(5%): 11.5 lx
(10%): 22.9 lx
(20%): 45.9 lx

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



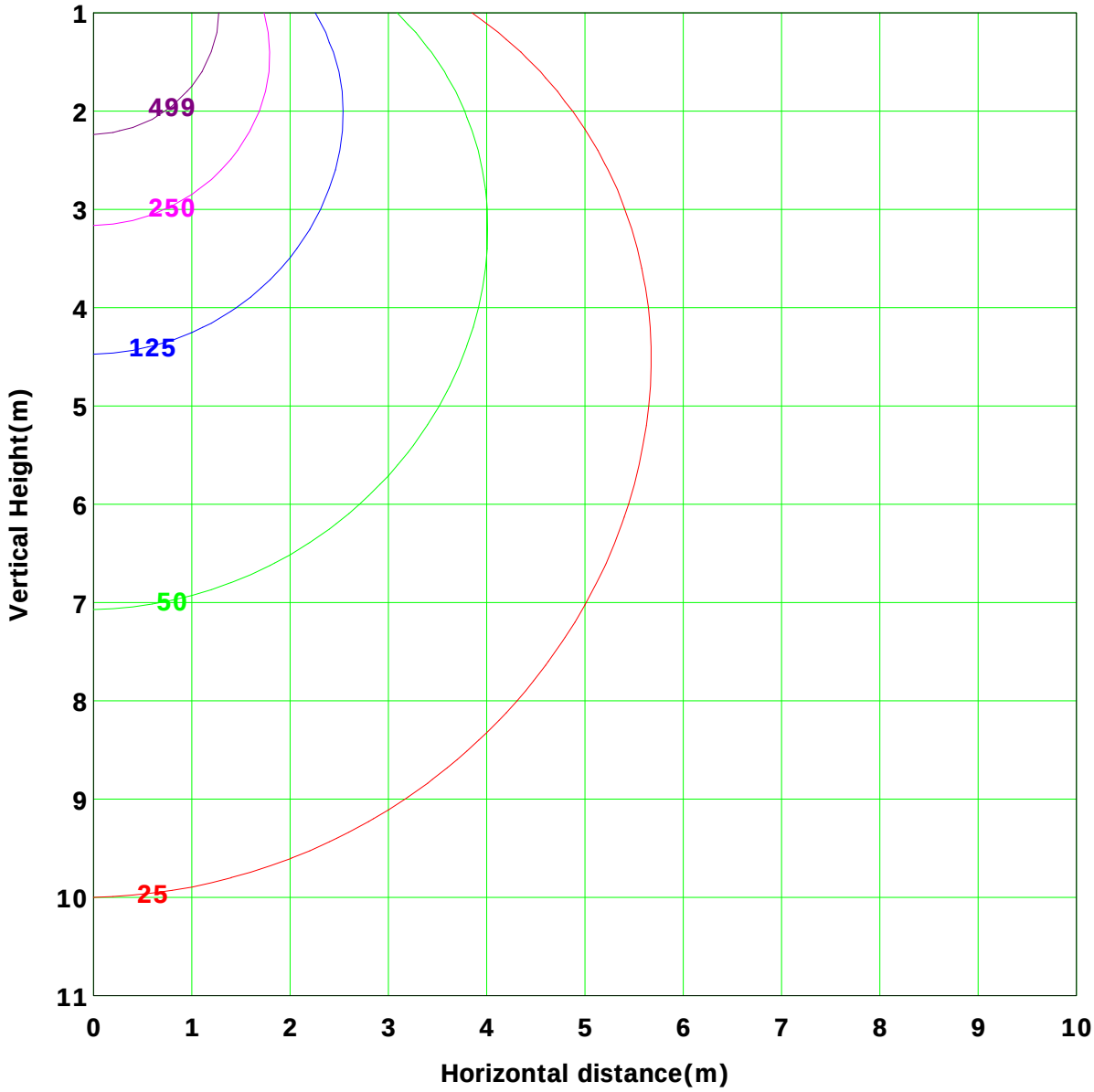
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
		Dh/Dv_F(m)	S_F(sq.m)	Eav_F(lx)
5.0	99.90	13.83/21.43	241.3	13.06
		55.59/NA	NA	NA
10.0	24.97	27.67/42.86	965.4	3.27
		111.18/NA	NA	NA
20.0	6.24	55.34/85.71	3861.5	0.82
		222.36/NA	NA	NA

Beam Angle(B): H108.3 V130.0 Field Angle(F): H159.6 V218.6

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:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 2497.4 lx

(1%): 25.0 lx
(2%): 49.9 lx
(5%): 124.9 lx
(10%): 249.7 lx
(20%): 499.5 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:

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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(T)	Flux(E)
-90	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.0	6.7	0.0
-80	1.3	1.6	2.0	2.5	2.9	3.3	3.5	3.7	3.7	3.7	3.8	3.7	3.5	3.1	2.7	2.3	1.9	1.5	0.0	50.6	43.4
-70	3.2	4.3	5.6	7.0	8.3	9.5	10.4	10.9	11.1	11.2	11.2	10.8	10.1	9.0	7.8	6.5	5.1	3.9	1.4	146.0	144.1
-60	5.9	8.2	10.8	13.5	16.1	18.4	20.2	21.4	21.9	22.1	21.9	21.0	19.5	17.4	15.0	12.3	9.5	7.0	2.8	282.2	282.2
-50	9.1	12.8	17.1	21.4	25.4	28.9	31.9	33.9	34.9	35.1	34.6	33.0	30.5	27.1	23.2	18.9	14.5	10.4	4.2	442.6	442.6
-40	12.6	17.9	23.8	29.7	35.1	40.0	43.9	46.9	48.4	48.7	47.8	45.3	41.6	36.9	31.6	25.8	19.7	14.2	5.7	610.0	610.0
-30	15.5	22.2	29.8	37.2	44.0	50.0	55.0	58.7	60.8	61.0	59.5	56.2	51.6	45.8	39.2	31.8	24.2	17.2	7.0	759.8	759.8
-20	17.4	25.0	33.7	42.3	50.3	57.4	63.3	67.6	70.0	70.2	68.2	64.3	58.9	52.1	44.3	35.9	27.2	19.1	8.0	867.2	867.2
-10	18.6	26.8	36.1	45.2	53.6	61.1	67.3	72.0	74.6	74.6	72.5	68.3	62.5	55.4	47.2	38.3	29.0	20.4	8.5	923.5	923.5
0	18.4	26.5	35.6	44.7	53.0	60.4	66.6	71.1	73.6	74.2	71.9	67.8	61.9	54.8	46.8	37.9	28.6	20.2	8.4	914.0	914.0
10	16.7	24.1	32.5	40.9	48.6	55.5	61.2	65.2	68.0	68.7	66.5	62.6	57.2	50.5	43.0	34.7	26.1	18.4	7.7	840.4	840.4
20	14.5	20.7	27.9	35.0	41.6	47.3	52.0	55.5	58.4	58.9	57.0	53.7	49.1	43.5	37.1	30.0	22.7	16.1	6.7	721.1	721.1
30	11.5	16.2	21.7	27.2	32.4	36.9	40.6	44.0	46.1	46.5	45.2	42.4	38.8	34.3	29.2	23.6	17.9	12.9	5.3	567.3	567.3
40	8.0	11.2	15.1	19.0	22.6	25.9	29.1	31.6	33.0	33.3	32.5	30.5	27.7	24.5	20.8	16.8	12.7	9.2	3.8	403.3	403.3
50	5.0	6.8	9.1	11.6	14.0	16.4	18.4	19.9	20.6	20.8	20.4	19.2	17.5	15.4	13.0	10.5	8.0	5.8	2.4	252.3	251.6
60	2.6	3.5	4.7	6.0	7.3	8.5	9.4	10.1	10.4	10.5	10.3	9.8	9.0	7.9	6.7	5.4	4.2	3.1	1.4	129.5	124.4
70	1.1	1.3	1.7	2.1	2.5	2.9	3.2	3.4	3.4	3.5	3.5	3.3	3.1	2.7	2.3	1.9	1.5	1.2	0.5	44.8	35.5
80	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.1	5.8	0.0
90	162.1	229.7	307.9	385.8	458.5	522.9	576.8	616.6	639.8	643.9	627.6	593.0	543.1	481.3	410.5	333.0	253.3	181.1	75.9	7967	7931
Flux(E)	154.7	225.7	305.4	384.1	457.2	521.9	575.9	615.8	639.0	643.1	626.7	592.1	542.2	480.3	409.1	331.1	250.3	175.9			

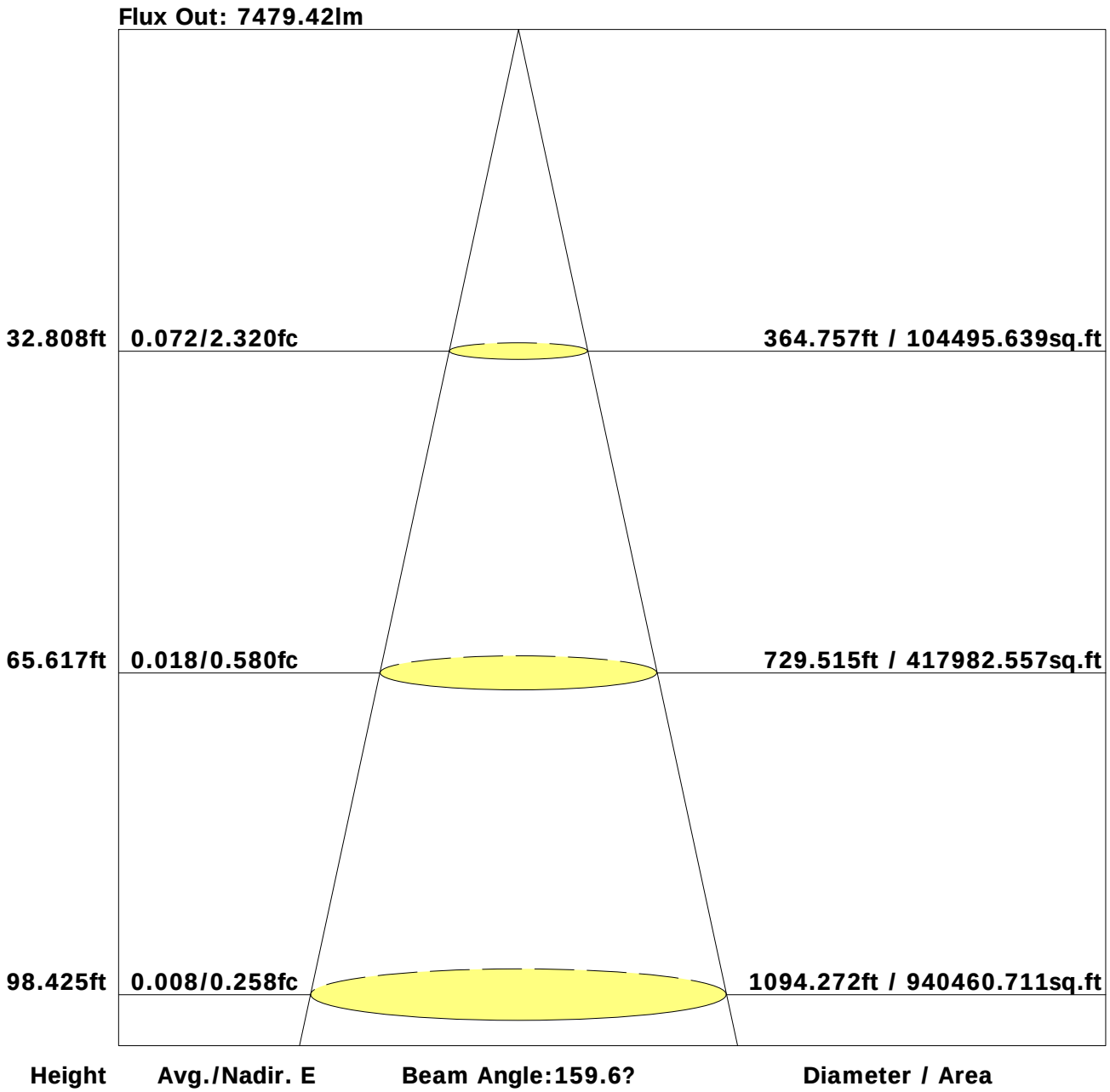
Horizontal plane

-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90

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	12.5	14.1	13.0	14.5	15.0	12.2	13.7	12.6	14.2	14.7
3H	14.3	15.7	14.8	16.2	16.7	14.0	15.4	14.5	15.9	16.4
4H	14.9	16.2	15.4	16.7	17.3	14.8	16.2	15.3	16.6	17.2
6H	15.3	16.6	15.9	17.1	17.6	15.5	16.8	16.1	17.3	17.8
8H	15.5	16.6	16.0	17.2	17.7	15.8	17.0	16.4	17.6	18.1
12H	15.5	16.7	16.1	17.2	17.8	16.1	17.3	16.7	17.8	18.4
X=4H Y=2H	13.0	14.3	13.5	14.8	15.3	12.8	14.1	13.3	14.6	15.1
3H	14.9	16.0	15.4	16.5	17.1	14.9	16.0	15.4	16.5	17.1
4H	15.6	16.6	16.1	17.2	17.8	15.8	16.9	16.4	17.4	18.0
6H	16.1	17.0	16.7	17.6	18.2	16.7	17.6	17.2	18.2	18.8
8H	16.3	17.2	16.9	17.7	18.4	17.1	17.9	17.6	18.5	19.1
12H	16.4	17.2	17.0	17.8	18.4	17.4	18.2	18.0	18.8	19.4
X=8H Y=4H	15.8	16.7	16.4	17.3	17.9	16.1	17.0	16.7	17.6	18.2
6H	16.5	17.2	17.1	17.8	18.5	17.2	17.9	17.8	18.5	19.2
8H	16.7	17.4	17.4	18.0	18.7	17.7	18.3	18.3	19.0	19.6
12H	16.9	17.5	17.5	18.1	18.9	18.2	18.8	18.8	19.4	20.1
X=12H Y=4H	15.9	16.7	16.5	17.3	17.9	16.2	17.0	16.8	17.6	18.2
6H	16.6	17.3	17.2	17.9	18.5	17.3	17.9	17.9	18.5	19.2
8H	16.9	17.5	17.5	18.1	18.8	17.8	18.4	18.4	19.0	19.7

Calculate in accordance with CIE 190:2010

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

Gamma Plane (?:0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.300 m
Humidity:
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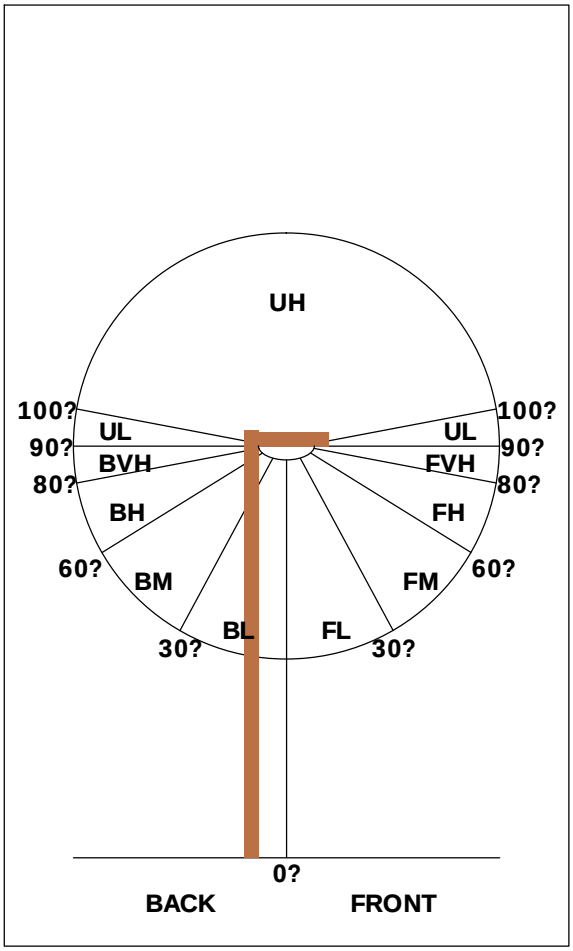
FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	3879	44.9
FL (0?30?	952	11.0
FM (30?60?	1841	21.3
FH (60?80?	860	10.0
FVH (80?90?	226	2.6
BACK LIGHT	4089	47.4
BL (0?30?	973	11.3
BM (30?60?	1935	22.4
BH (60?80?	932	10.8
BVH (80?90?	249	2.9
UP LIGHT	662	7.7
UL (90?100?	296	3.4
UH (100?180?	366	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 U5 G2
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B2 U5 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	0.76	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	0.72	0.76	0.81	0.84
	0.20		0.36	0.45	0.51	0.56	0.63	0.69	0.73	0.78	0.81
0.00	0.00	0.00	0.33	0.41	0.47	0.52	0.59	0.63	0.67	0.72	0.75

Rating:59W Photometrically tested without ceiling board.
Multiply UF values by service correction factors
Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

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(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	0.66	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	0.72	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	0.32	0.26	0.22
0.00	0.00	0.00	0.60	0.51	0.45	0.41	0.34	0.29	0.25	0.21	0.17

Rating:59W Photometrically tested without ceiling board.
Multiply UF values by service correction factors
Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

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(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	0.26	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	0.23	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	0.20	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:59W Photometrically tested without ceiling board.
Multiply UF values by service correction factors
Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

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

Gamma [□]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	2481.9	2.4	2.4	0.03	0.03
1.0-2.0	2480.9	7.1	9.5	0.08	0.11
2.0-3.0	2479.0	11.9	21.4	0.14	0.25
3.0-4.0	2476.2	16.6	37.9	0.19	0.44
4.0-5.0	2472.4	21.3	59.2	0.25	0.69
5.0-6.0	2467.8	25.9	85.1	0.30	0.99
6.0-7.0	2462.5	30.6	115.7	0.35	1.34
7.0-8.0	2456.0	35.2	150.9	0.41	1.75
8.0-9.0	2448.6	39.7	190.6	0.46	2.21
9.0-10.0	2440.5	44.2	234.7	0.51	2.72
10.0-11.0	2431.4	48.6	283.3	0.56	3.28
11.0-12.0	2421.4	52.9	336.3	0.61	3.90
12.0-13.0	2410.6	57.2	393.5	0.66	4.56
13.0-14.0	2399.0	61.4	454.9	0.71	5.27
14.0-15.0	2386.6	65.5	520.4	0.76	6.03
15.0-16.0	2373.4	69.6	590.0	0.81	6.84
16.0-17.0	2359.2	73.5	663.4	0.85	7.69
17.0-18.0	2344.4	77.3	740.8	0.90	8.58
18.0-19.0	2328.9	81.0	821.8	0.94	9.52
19.0-20.0	2312.4	84.6	906.4	0.98	10.50
20.0-21.0	2295.4	88.2	994.6	1.02	11.52
21.0-22.0	2277.8	91.5	1086.1	1.06	12.59
22.0-23.0	2259.3	94.8	1181.0	1.10	13.68
23.0-24.0	2240.1	98.0	1278.9	1.14	14.82
24.0-25.0	2220.1	101.0	1379.9	1.17	15.99
25.0-26.0	2199.7	103.8	1483.7	1.20	17.19
26.0-27.0	2178.6	106.6	1590.3	1.24	18.43
27.0-28.0	2156.8	109.2	1699.5	1.27	19.69
28.0-29.0	2134.5	111.7	1811.2	1.29	20.99
29.0-30.0	2111.5	114.0	1925.2	1.32	22.31
30.0-31.0	2087.8	116.2	2041.4	1.35	23.66
31.0-32.0	2063.8	118.3	2159.7	1.37	25.03
32.0-33.0	2039.1	120.1	2279.8	1.39	26.42
33.0-34.0	2013.9	121.9	2401.7	1.41	27.83
34.0-35.0	1988.2	123.5	2525.2	1.43	29.26
35.0-36.0	1961.9	124.9	2650.2	1.45	30.71

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 1)

Gamma [□]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	1935.3	126.2	2776.4	1.46	32.17
37.0-38.0	1908.4	127.4	2903.8	1.48	33.65
38.0-39.0	1880.9	128.4	3032.2	1.49	35.14
39.0-40.0	1852.8	129.2	3161.4	1.50	36.63
40.0-41.0	1824.4	129.9	3291.4	1.51	38.14
41.0-42.0	1795.7	130.5	3421.8	1.51	39.65
42.0-43.0	1766.7	130.9	3552.7	1.52	41.17
43.0-44.0	1737.3	131.1	3683.9	1.52	42.69
44.0-45.0	1707.4	131.2	3815.1	1.52	44.21
45.0-46.0	1677.6	131.2	3946.3	1.52	45.73
46.0-47.0	1647.4	131.0	4077.4	1.52	47.25
47.0-48.0	1616.8	130.7	4208.1	1.51	48.76
48.0-49.0	1585.9	130.2	4338.3	1.51	50.27
49.0-50.0	1554.7	129.6	4468.0	1.50	51.77
50.0-51.0	1523.1	128.9	4596.8	1.49	53.27
51.0-52.0	1491.3	128.0	4724.8	1.48	54.75
52.0-53.0	1459.2	126.9	4851.8	1.47	56.22
53.0-54.0	1427.0	125.8	4977.6	1.46	57.68
54.0-55.0	1394.6	124.5	5102.1	1.44	59.12
55.0-56.0	1362.0	123.1	5225.2	1.43	60.55
56.0-57.0	1329.1	121.5	5346.7	1.41	61.95
57.0-58.0	1296.0	119.9	5466.6	1.39	63.34
58.0-59.0	1262.8	118.1	5584.6	1.37	64.71
59.0-60.0	1229.8	116.2	5700.8	1.35	66.06
60.0-61.0	1196.5	114.2	5815.0	1.32	67.38
61.0-62.0	1163.0	112.1	5927.1	1.30	68.68
62.0-63.0	1129.4	109.9	6037.0	1.27	69.95
63.0-64.0	1095.9	107.6	6144.5	1.25	71.20
64.0-65.0	1062.4	105.2	6249.7	1.22	72.42
65.0-66.0	1028.7	102.7	6352.3	1.19	73.61
66.0-67.0	995.0	100.1	6452.4	1.16	74.77
67.0-68.0	961.4	97.4	6549.8	1.13	75.90
68.0-69.0	928.0	94.7	6644.5	1.10	76.99
69.0-70.0	894.7	91.9	6736.4	1.06	78.06
70.0-71.0	861.4	89.0	6825.4	1.03	79.09
71.0-72.0	828.3	86.1	6911.6	1.00	80.09

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 [□]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	795.5	83.2	6994.8	0.96	81.05
73.0-74.0	762.8	80.2	7075.0	0.93	81.98
74.0-75.0	730.3	77.2	7152.2	0.89	82.88
75.0-76.0	698.4	74.1	7226.3	0.86	83.73
76.0-77.0	666.8	71.1	7297.4	0.82	84.56
77.0-78.0	635.7	68.1	7365.5	0.79	85.35
78.0-79.0	605.2	65.0	7430.5	0.75	86.10
79.0-80.0	575.3	62.0	7492.5	0.72	86.82
80.0-81.0	546.3	59.1	7551.6	0.68	87.50
81.0-82.0	518.4	56.2	7607.8	0.65	88.16
82.0-83.0	491.5	53.4	7661.3	0.62	88.77
83.0-84.0	465.7	50.7	7712.0	0.59	89.36
84.0-85.0	441.3	48.2	7760.2	0.56	89.92
85.0-86.0	418.3	45.7	7805.9	0.53	90.45
86.0-87.0	396.8	43.4	7849.3	0.50	90.95
87.0-88.0	377.2	41.3	7890.7	0.48	91.43
88.0-89.0	359.2	39.4	7930.0	0.46	91.89
89.0-90.0	342.9	37.6	7967.6	0.44	92.32
90.0-91.0	328.0	36.0	8003.6	0.42	92.74
91.0-92.0	314.0	34.4	8038.0	0.40	93.14
92.0-93.0	300.8	33.0	8071.0	0.38	93.52
93.0-94.0	288.0	31.5	8102.5	0.37	93.89
94.0-95.0	275.7	30.1	8132.7	0.35	94.24
95.0-96.0	263.9	28.8	8161.5	0.33	94.57
96.0-97.0	252.5	27.5	8189.0	0.32	94.89
97.0-98.0	241.5	26.3	8215.2	0.30	95.19
98.0-99.0	230.7	25.0	8240.3	0.29	95.48
99.0-100.0	220.2	23.8	8264.1	0.28	95.76
100.0-101.0	210.1	22.7	8286.7	0.26	96.02
101.0-102.0	200.3	21.5	8308.2	0.25	96.27
102.0-103.0	190.4	20.4	8328.6	0.24	96.51
103.0-104.0	180.4	19.2	8347.9	0.22	96.73
104.0-105.0	170.5	18.1	8366.0	0.21	96.94
105.0-106.0	161.2	17.0	8383.0	0.20	97.14
106.0-107.0	152.4	16.0	8399.0	0.19	97.32
107.0-108.0	143.9	15.1	8414.1	0.17	97.50

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 [□]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	135.7	14.1	8428.2	0.16	97.66
109.0-110.0	127.6	13.2	8441.4	0.15	97.81
110.0-111.0	120.0	12.3	8453.7	0.14	97.96
111.0-112.0	112.9	11.5	8465.2	0.13	98.09
112.0-113.0	106.5	10.8	8476.0	0.12	98.22
113.0-114.0	100.4	10.1	8486.1	0.12	98.33
114.0-115.0	94.7	9.4	8495.6	0.11	98.44
115.0-116.0	89.1	8.8	8504.4	0.10	98.54
116.0-117.0	83.8	8.2	8512.6	0.10	98.64
117.0-118.0	78.8	7.7	8520.3	0.09	98.73
118.0-119.0	74.2	7.1	8527.4	0.08	98.81
119.0-120.0	69.8	6.7	8534.1	0.08	98.89
120.0-121.0	65.6	6.2	8540.3	0.07	98.96
121.0-122.0	61.8	5.8	8546.0	0.07	99.03
122.0-123.0	58.2	5.4	8551.4	0.06	99.09
123.0-124.0	54.8	5.0	8556.4	0.06	99.15
124.0-125.0	51.5	4.6	8561.1	0.05	99.20
125.0-126.0	48.3	4.3	8565.4	0.05	99.25
126.0-127.0	45.3	4.0	8569.4	0.05	99.30
127.0-128.0	42.4	3.7	8573.1	0.04	99.34
128.0-129.0	39.6	3.4	8576.5	0.04	99.38
129.0-130.0	36.9	3.1	8579.6	0.04	99.42
130.0-131.0	34.3	2.9	8582.5	0.03	99.45
131.0-132.0	31.9	2.6	8585.1	0.03	99.48
132.0-133.0	29.6	2.4	8587.5	0.03	99.51
133.0-134.0	27.6	2.2	8589.7	0.03	99.53
134.0-135.0	25.7	2.0	8591.7	0.02	99.56
135.0-136.0	24.2	1.9	8593.6	0.02	99.58
136.0-137.0	22.9	1.7	8595.3	0.02	99.60
137.0-138.0	21.9	1.6	8596.9	0.02	99.62
138.0-139.0	21.3	1.5	8598.4	0.02	99.63
139.0-140.0	20.7	1.5	8599.9	0.02	99.65
140.0-141.0	20.4	1.4	8601.3	0.02	99.67
141.0-142.0	20.2	1.4	8602.7	0.02	99.68
142.0-143.0	20.1	1.3	8604.1	0.02	99.70
143.0-144.0	20.0	1.3	8605.4	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 [□]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	20.0	1.3	8606.6	0.01	99.73
145.0-146.0	20.0	1.2	8607.9	0.01	99.74
146.0-147.0	20.1	1.2	8609.1	0.01	99.76
147.0-148.0	20.1	1.2	8610.3	0.01	99.77
148.0-149.0	20.2	1.2	8611.4	0.01	99.78
149.0-150.0	20.2	1.1	8612.6	0.01	99.80
150.0-151.0	20.2	1.1	8613.7	0.01	99.81
151.0-152.0	20.3	1.1	8614.7	0.01	99.82
152.0-153.0	20.4	1.0	8615.7	0.01	99.83
153.0-154.0	20.5	1.0	8616.8	0.01	99.85
154.0-155.0	20.4	1.0	8617.7	0.01	99.86
155.0-156.0	20.4	0.9	8618.6	0.01	99.87
156.0-157.0	20.5	0.9	8619.5	0.01	99.88
157.0-158.0	20.6	0.9	8620.4	0.01	99.89
158.0-159.0	20.6	0.8	8621.2	0.01	99.90
159.0-160.0	20.7	0.8	8622.0	0.01	99.91
160.0-161.0	20.7	0.8	8622.8	0.01	99.92
161.0-162.0	20.8	0.7	8623.5	0.01	99.92
162.0-163.0	20.8	0.7	8624.2	0.01	99.93
163.0-164.0	20.9	0.7	8624.8	0.01	99.94
164.0-165.0	21.0	0.6	8625.5	0.01	99.95
165.0-166.0	21.1	0.6	8626.0	0.01	99.95
166.0-167.0	21.1	0.5	8626.6	0.01	99.96
167.0-168.0	21.1	0.5	8627.1	0.01	99.97
168.0-169.0	21.3	0.5	8627.5	0.01	99.97
169.0-170.0	21.4	0.4	8628.0	0.00	99.98
170.0-171.0	21.4	0.4	8628.4	0.00	99.98
171.0-172.0	21.4	0.3	8628.7	0.00	99.98
172.0-173.0	21.5	0.3	8629.0	0.00	99.99
173.0-174.0	21.6	0.3	8629.3	0.00	99.99
174.0-175.0	21.6	0.2	8629.5	0.00	99.99
175.0-176.0	21.7	0.2	8629.7	0.00	100.00
176.0-177.0	21.7	0.1	8629.8	0.00	100.00
177.0-178.0	21.8	0.1	8629.9	0.00	100.00
178.0-179.0	21.9	0.1	8630.0	0.00	100.00
179.0-180.0	22.0	0.0	8630.0	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	2497.4	2488.6	2482.5	2481.0	2474.5	2469.2	2497.4	2488.6	2482.5	2481.0
G1.0	2495.4	2486.2	2481.6	2481.1	2475.6	2471.9	2498.3	2488.9	2482.7	2479.8
G2.0	2491.8	2483.1	2479.8	2480.3	2476.4	2473.3	2498.8	2489.2	2482.2	2477.8
G3.0	2487.2	2479.6	2477.6	2478.8	2475.6	2473.6	2497.6	2487.8	2481.0	2474.5
G4.0	2482.1	2474.9	2473.9	2476.9	2474.7	2474.1	2495.8	2486.1	2478.1	2471.0
G5.0	2474.9	2469.0	2469.3	2473.6	2473.0	2471.8	2492.4	2482.6	2474.5	2466.6
G6.0	2468.7	2462.2	2464.9	2470.2	2470.5	2469.5	2489.0	2478.9	2470.3	2462.0
G7.0	2460.0	2454.5	2458.9	2465.6	2467.0	2466.0	2482.8	2473.6	2465.1	2456.3
G8.0	2449.4	2445.4	2451.1	2460.0	2462.6	2462.1	2477.0	2467.7	2460.0	2449.5
G9.0	2439.3	2436.0	2443.8	2453.5	2457.1	2456.4	2469.9	2461.2	2453.5	2442.1
G10.0	2427.6	2425.8	2435.1	2446.9	2451.6	2450.1	2461.4	2452.8	2445.6	2433.3
G11.0	2415.5	2413.7	2425.6	2438.6	2444.1	2443.1	2451.8	2444.2	2437.7	2425.1
G12.0	2401.7	2402.3	2415.7	2429.9	2436.3	2434.7	2441.4	2433.9	2428.1	2415.2
G13.0	2387.5	2388.1	2405.7	2421.0	2428.9	2426.1	2430.2	2423.5	2417.7	2404.6
G14.0	2371.4	2374.8	2394.0	2412.6	2418.3	2416.1	2417.4	2410.6	2406.7	2393.7
G15.0	2356.1	2359.5	2382.4	2402.1	2409.9	2405.1	2404.1	2398.6	2395.9	2381.9
G16.0	2338.4	2343.0	2368.3	2390.9	2398.1	2392.9	2390.1	2384.7	2382.7	2370.3
G17.0	2321.1	2326.8	2355.0	2378.8	2386.9	2380.2	2374.6	2370.1	2370.0	2357.0
G18.0	2302.4	2308.2	2340.6	2366.7	2374.8	2366.3	2358.4	2354.7	2356.4	2343.1
G19.0	2282.1	2291.5	2325.6	2355.3	2362.2	2351.1	2340.5	2338.2	2342.5	2329.5
G20.0	2261.7	2271.4	2309.5	2340.7	2347.9	2336.6	2321.9	2320.1	2326.5	2314.3
G21.0	2240.8	2252.6	2293.8	2328.1	2333.6	2319.8	2303.9	2302.8	2311.0	2299.7
G22.0	2218.7	2231.2	2276.1	2313.7	2317.8	2303.7	2282.6	2284.1	2294.7	2283.2
G23.0	2195.4	2210.6	2259.4	2297.8	2303.0	2285.5	2262.2	2265.3	2278.0	2267.5
G24.0	2172.1	2187.9	2239.9	2282.1	2286.9	2266.9	2240.8	2243.2	2259.5	2250.0
G25.0	2146.9	2165.5	2221.9	2266.5	2270.3	2247.3	2218.3	2222.9	2241.8	2231.5
G26.0	2122.3	2142.4	2202.4	2249.9	2252.6	2227.8	2193.9	2200.6	2222.3	2213.8
G27.0	2097.2	2118.9	2182.1	2232.0	2234.6	2207.0	2170.7	2177.9	2203.3	2195.3
G28.0	2070.9	2093.7	2161.6	2214.0	2216.0	2185.1	2145.4	2154.1	2183.0	2176.4
G29.0	2043.6	2069.3	2140.9	2196.1	2197.3	2163.0	2120.1	2130.0	2162.3	2156.2
G30.0	2017.1	2043.3	2119.1	2176.9	2176.7	2139.9	2092.2	2105.1	2140.1	2135.1
G31.0	1987.9	2017.0	2097.1	2157.4	2157.2	2116.4	2065.4	2080.1	2118.3	2114.9
G32.0	1959.7	1990.0	2074.7	2137.5	2135.1	2092.6	2038.5	2054.0	2096.6	2094.0
G33.0	1930.3	1962.7	2051.2	2117.4	2114.6	2068.1	2009.7	2026.6	2072.0	2072.1
G34.0	1901.1	1935.6	2027.4	2096.3	2091.7	2042.2	1979.6	1999.4	2049.2	2049.9
G35.0	1871.4	1907.3	2003.8	2074.9	2069.2	2016.6	1949.8	1971.3	2024.9	2026.8
G36.0	1839.0	1878.1	1978.9	2053.1	2045.8	1990.1	1920.6	1943.0	2000.3	2004.0

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 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	1809.2	1849.6	1954.9	2031.7	2023.1	1962.3	1889.2	1914.7	1975.2	1980.2
G38.0	1778.6	1819.0	1929.8	2009.0	1999.1	1934.7	1857.9	1884.5	1948.9	1956.5
G39.0	1744.9	1790.4	1904.1	1985.6	1974.2	1907.8	1825.6	1855.4	1923.4	1932.6
G40.0	1713.0	1759.4	1877.7	1962.3	1948.8	1878.1	1792.9	1824.8	1897.1	1908.6
G41.0	1679.8	1729.3	1851.5	1938.6	1923.8	1850.4	1759.9	1793.4	1871.0	1883.4
G42.0	1646.4	1697.4	1824.3	1914.7	1898.1	1820.2	1726.2	1762.9	1843.5	1859.1
G43.0	1613.7	1665.9	1797.9	1891.1	1871.6	1790.8	1691.4	1731.2	1815.5	1834.2
G44.0	1578.9	1634.0	1770.3	1865.7	1844.7	1759.5	1656.7	1698.5	1788.4	1808.1
G45.0	1544.1	1601.8	1743.8	1840.7	1818.7	1729.0	1621.5	1665.8	1761.1	1782.4
G46.0	1509.0	1570.5	1715.6	1815.5	1790.8	1699.0	1587.0	1633.7	1734.0	1756.3
G47.0	1474.1	1537.3	1688.4	1790.3	1765.5	1666.6	1551.4	1599.8	1705.0	1729.4
G48.0	1439.2	1504.4	1661.0	1764.0	1737.6	1634.5	1514.2	1567.3	1676.4	1702.0
G49.0	1403.7	1472.3	1632.5	1738.0	1710.2	1602.4	1476.5	1533.3	1647.3	1674.8
G50.0	1367.3	1438.6	1604.1	1710.8	1681.8	1569.9	1440.4	1499.7	1618.7	1648.0
G51.0	1330.4	1404.0	1575.3	1683.8	1654.0	1536.5	1403.6	1464.3	1589.0	1619.9
G52.0	1293.6	1371.4	1546.0	1656.4	1624.1	1503.7	1365.9	1430.1	1559.4	1591.4
G53.0	1258.6	1338.1	1516.5	1629.0	1595.4	1470.8	1326.3	1394.8	1528.8	1562.9
G54.0	1219.6	1302.9	1487.4	1601.8	1566.0	1437.2	1288.6	1360.3	1499.9	1534.1
G55.0	1184.3	1269.4	1457.5	1573.5	1535.7	1403.8	1250.4	1324.7	1468.4	1504.3
G56.0	1145.3	1235.6	1428.4	1544.1	1507.2	1369.3	1210.8	1290.4	1438.6	1475.3
G57.0	1107.1	1200.9	1398.8	1516.1	1477.0	1335.6	1170.5	1253.9	1407.0	1446.4
G58.0	1069.8	1165.9	1368.5	1485.9	1445.9	1300.0	1131.3	1219.5	1376.3	1416.1
G59.0	1031.2	1132.9	1337.9	1457.3	1415.8	1265.3	1091.0	1183.4	1345.0	1386.8
G60.0	992.6	1099.2	1308.1	1427.1	1385.4	1230.6	1051.5	1148.1	1314.3	1356.4
G61.0	954.0	1064.8	1277.4	1398.3	1355.4	1197.3	1011.2	1112.6	1282.8	1326.8
G62.0	915.9	1031.2	1245.9	1367.7	1323.5	1162.0	969.9	1077.7	1250.9	1296.1
G63.0	876.2	996.1	1214.7	1338.6	1292.8	1127.9	928.8	1043.3	1218.5	1264.3
G64.0	836.7	963.8	1185.3	1307.8	1261.4	1094.1	888.5	1007.9	1187.2	1234.4
G65.0	797.1	929.8	1153.8	1276.8	1230.9	1059.4	847.1	972.0	1156.0	1203.5
G66.0	759.9	895.9	1122.7	1245.8	1199.4	1023.3	806.2	936.4	1124.8	1172.3
G67.0	718.7	863.1	1091.5	1214.4	1167.7	989.7	764.1	902.2	1092.2	1142.0
G68.0	680.5	830.0	1061.8	1183.7	1134.7	955.1	724.0	867.3	1060.1	1110.6
G69.0	641.4	796.8	1030.4	1152.8	1104.3	921.2	682.3	832.8	1029.1	1079.6
G70.0	603.2	764.1	999.8	1121.1	1073.0	886.2	641.6	798.0	997.6	1048.2
G71.0	565.1	731.6	968.0	1090.4	1041.2	852.7	600.3	764.4	965.2	1017.2
G72.0	526.3	699.4	938.2	1060.0	1009.0	817.9	560.0	731.3	934.4	985.9
G73.0	487.4	667.0	907.6	1029.3	978.4	785.5	518.3	698.1	903.3	955.8

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

Gamma Plane (?:0.0-180.0:1.0
Test Device: GPM-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	449.3	637.0	876.9	997.8	946.5	751.7	478.0	664.7	872.0	925.5
G75.0	411.6	605.8	847.2	965.7	915.3	718.4	437.6	631.1	840.5	895.1
G76.0	374.4	575.5	817.4	936.2	884.3	685.8	400.2	599.8	810.7	864.4
G77.0	338.4	544.6	787.8	905.4	852.0	652.8	360.8	569.0	781.2	835.3
G78.0	303.0	516.4	758.9	875.4	823.0	621.0	323.5	537.3	750.3	806.2
G79.0	268.9	487.1	730.5	844.7	791.5	589.7	287.5	506.5	721.4	777.2
G80.0	234.7	459.3	702.8	816.5	761.8	558.5	251.4	477.2	693.2	748.3
G81.0	202.4	432.6	675.2	786.7	734.0	528.2	217.3	448.9	664.5	722.4
G82.0	173.4	406.6	648.4	758.9	704.5	499.2	186.0	421.1	636.8	695.4
G83.0	144.3	381.5	622.5	731.8	676.0	470.0	156.6	395.3	611.3	670.2
G84.0	119.0	357.8	598.0	705.4	649.1	442.3	129.3	368.9	585.4	645.0
G85.0	95.1	334.9	574.1	680.0	622.4	415.6	105.5	345.7	561.8	621.6
G86.0	74.9	314.3	551.6	655.5	596.9	390.0	84.4	323.8	538.1	598.1
G87.0	58.2	295.4	529.0	630.9	574.0	365.3	68.2	302.4	516.1	576.3
G88.0	45.7	277.8	508.3	609.2	550.0	342.8	56.2	283.6	494.8	555.7
G89.0	38.1	261.4	487.9	586.4	528.2	321.1	50.3	265.9	475.0	534.9
G90.0	35.6	246.3	469.6	565.6	507.1	300.8	48.3	249.5	455.5	516.0
G91.0	34.9	232.1	450.9	545.7	486.6	282.6	47.2	234.9	437.6	497.5
G92.0	34.4	218.8	434.4	526.5	467.4	266.1	46.3	221.1	419.6	478.9
G93.0	34.0	207.3	417.0	507.7	449.3	250.5	45.5	207.8	403.5	462.5
G94.0	33.5	195.2	401.4	489.7	431.1	235.8	44.3	195.4	386.9	445.9
G95.0	33.0	184.0	385.9	472.2	414.1	222.3	43.5	183.7	371.5	429.5
G96.0	32.5	173.4	370.9	455.5	398.2	209.7	42.8	172.2	355.8	414.0
G97.0	32.3	162.8	356.5	439.0	382.3	196.9	41.9	160.7	341.8	398.8
G98.0	31.9	152.9	342.2	423.5	367.2	185.3	40.9	150.1	326.8	383.6
G99.0	31.4	143.0	328.1	408.1	352.2	173.8	40.1	139.9	312.6	368.8
G100.0	30.7	134.3	314.8	393.3	337.7	163.0	39.2	130.2	298.8	354.1
G101.0	30.5	125.6	301.6	378.1	323.0	152.2	38.5	121.2	284.8	340.6
G102.0	30.1	117.0	288.6	363.8	309.2	142.3	37.7	112.6	271.7	326.3
G103.0	29.3	108.9	276.0	349.6	295.7	132.4	37.0	105.0	258.8	312.8
G104.0	28.9	100.8	263.5	335.8	282.6	123.7	36.3	97.5	241.0	299.0
G105.0	28.5	93.5	251.7	321.9	269.3	114.7	35.6	91.2	223.0	286.0
G106.0	28.4	86.4	239.7	308.9	257.0	106.5	34.8	84.5	207.8	271.9
G107.0	27.6	80.3	228.2	295.4	244.7	98.2	34.1	78.8	193.7	258.2
G108.0	27.6	74.5	209.7	282.7	232.2	90.8	33.1	72.7	183.9	245.6
G109.0	27.2	69.0	192.7	270.3	218.1	84.1	32.7	66.0	173.9	234.2
G110.0	26.8	63.5	177.4	258.2	200.1	78.1	32.1	61.0	164.3	223.3

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 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	26.1	57.3	166.8	245.6	186.6	72.0	31.2	55.5	155.4	212.6
G112.0	25.7	52.1	158.0	230.4	173.9	66.3	30.7	50.9	147.0	202.3
G113.0	25.4	47.4	149.9	218.8	163.8	60.2	30.2	46.9	139.0	192.4
G114.0	25.2	42.6	141.3	207.2	154.8	54.7	29.6	43.1	131.2	182.8
G115.0	24.9	39.0	133.1	196.9	145.8	50.1	28.9	39.4	123.7	172.9
G116.0	24.3	35.7	125.4	186.7	136.8	44.9	28.1	36.2	116.7	163.7
G117.0	24.0	32.5	117.9	176.9	127.9	41.1	27.5	33.0	109.7	154.9
G118.0	23.8	29.7	111.1	167.1	119.7	37.2	26.9	30.5	102.7	146.8
G119.0	23.4	27.4	104.3	158.0	112.3	34.1	26.5	28.3	96.2	138.7
G120.0	23.1	25.4	97.9	148.5	105.0	30.8	26.2	26.9	89.7	130.8
G121.0	22.6	24.2	91.3	140.3	97.4	28.8	25.7	25.8	83.5	122.6
G122.0	22.5	23.3	85.4	131.6	90.9	27.0	24.8	25.5	77.4	115.4
G123.0	22.2	22.8	79.1	123.6	84.4	26.0	24.8	25.0	71.3	108.3
G124.0	21.9	22.6	73.4	115.7	77.8	25.2	23.9	24.3	65.9	101.2
G125.0	21.6	22.2	68.0	108.3	71.7	24.8	23.5	23.7	60.5	94.0
G126.0	21.4	21.8	62.7	101.1	66.1	24.0	23.3	23.5	55.6	87.8
G127.0	21.1	21.5	57.5	93.9	60.3	23.7	22.8	23.0	50.5	81.4
G128.0	21.0	21.3	52.3	87.1	54.8	23.1	22.5	22.5	46.1	75.2
G129.0	20.8	21.0	48.1	80.5	50.1	22.6	21.7	22.1	41.6	68.8
G130.0	20.5	20.8	43.3	74.2	45.0	22.3	21.6	21.9	37.5	63.0
G131.0	20.2	20.6	39.3	68.1	40.5	21.9	20.9	21.3	33.3	57.4
G132.0	20.0	20.3	35.4	62.2	36.4	21.4	20.8	21.0	29.9	52.3
G133.0	19.8	20.2	31.9	56.3	32.5	20.6	20.4	20.6	26.5	47.1
G134.0	19.7	19.9	28.5	50.7	28.8	20.3	20.2	20.2	24.4	42.2
G135.0	19.2	19.8	25.8	45.7	26.0	19.8	19.7	19.9	22.6	37.7
G136.0	19.1	19.6	23.5	40.5	23.3	19.7	19.4	19.7	21.3	33.4
G137.0	18.9	19.1	22.1	36.3	21.3	19.2	19.1	19.3	21.2	29.7
G138.0	18.8	18.9	21.7	31.9	20.9	18.8	18.9	19.0	21.5	26.9
G139.0	18.7	18.7	21.5	28.5	20.8	18.8	18.7	18.9	21.4	24.6
G140.0	18.9	18.8	21.6	25.7	20.4	18.1	18.5	18.6	21.4	23.4
G141.0	18.8	18.6	21.4	23.5	20.8	18.2	18.3	18.5	21.4	23.1
G142.0	18.7	18.3	21.5	22.8	20.3	18.0	18.0	18.4	21.1	23.1
G143.0	18.4	18.5	21.5	22.6	20.4	17.4	17.9	18.3	21.0	23.0
G144.0	18.3	18.2	21.3	22.2	20.3	17.3	17.8	18.5	21.4	23.0
G145.0	18.2	18.7	21.3	22.1	20.3	17.2	17.8	18.6	21.0	22.8
G146.0	18.5	18.8	21.2	22.1	20.5	17.6	17.6	18.9	21.0	22.8
G147.0	18.5	18.6	21.2	22.0	20.3	17.8	17.9	18.9	21.4	22.8

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

Gamma Plane (?:0.0-180.0:1.0
Test Device: GPM-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	18.5	18.6	21.5	21.8	20.3	17.8	17.9	18.9	21.1	22.6
G149.0	18.5	18.9	21.4	22.1	20.4	18.0	18.2	19.3	21.0	22.6
G150.0	18.7	18.9	21.1	21.7	20.1	18.1	18.4	19.3	21.0	22.4
G151.0	19.0	19.2	21.3	22.0	20.1	17.9	18.6	19.4	21.3	22.4
G152.0	19.0	19.4	21.0	21.6	20.4	18.1	19.0	19.5	21.0	22.3
G153.0	19.4	19.5	21.3	21.8	20.3	18.6	19.2	19.9	21.4	22.2
G154.0	19.5	19.6	21.3	21.4	20.3	18.7	19.1	20.1	21.1	22.4
G155.0	19.7	19.5	21.1	21.3	20.0	18.5	19.4	19.9	21.4	22.0
G156.0	19.8	19.5	21.0	21.2	20.2	18.6	19.5	20.4	21.2	22.0
G157.0	20.2	19.9	20.6	21.1	20.2	18.9	20.0	20.4	21.4	22.0
G158.0	20.4	20.0	20.6	21.0	20.2	19.1	20.2	20.3	21.2	21.9
G159.0	20.6	20.1	20.8	21.0	20.1	18.9	20.4	20.3	21.3	22.1
G160.0	20.6	20.0	20.5	21.0	20.1	18.9	20.5	20.5	21.4	21.8
G161.0	20.8	20.3	20.4	20.9	20.2	19.4	20.3	20.6	21.4	22.1
G162.0	20.9	20.4	20.5	20.9	20.2	19.5	20.4	20.6	21.4	21.8
G163.0	21.0	20.5	20.5	20.9	20.2	19.3	20.6	20.8	21.5	21.8
G164.0	21.2	20.6	20.8	20.8	20.3	19.7	20.8	21.2	21.4	21.7
G165.0	21.2	20.6	20.8	20.8	20.2	19.9	21.1	21.0	21.6	22.1
G166.0	21.4	20.6	20.9	20.8	20.4	20.0	21.3	21.4	21.6	21.8
G167.0	21.5	20.8	20.6	20.8	20.4	19.8	21.2	21.2	21.7	21.8
G168.0	21.6	20.8	20.8	20.6	20.5	20.0	21.4	21.3	21.8	21.9
G169.0	21.7	20.8	21.0	20.8	20.5	20.3	21.5	21.4	21.9	21.9
G170.0	21.9	20.9	21.0	20.6	20.6	20.5	21.6	21.8	21.9	22.3
G171.0	21.8	21.0	21.0	21.0	20.8	20.6	21.8	21.5	22.0	22.0
G172.0	22.0	21.1	21.0	21.0	20.6	20.5	22.0	21.6	21.8	22.1
G173.0	22.1	21.2	21.0	20.8	20.8	20.6	22.0	21.6	22.1	22.3
G174.0	22.2	21.3	20.8	20.9	20.8	20.8	22.1	22.0	21.8	22.1
G175.0	22.3	21.3	20.9	21.3	20.8	21.3	22.3	22.1	22.0	22.0
G176.0	22.6	21.5	21.1	21.3	20.8	21.2	22.4	22.1	21.7	22.1
G177.0	22.3	21.6	21.0	21.2	21.2	21.3	22.6	21.9	21.7	22.1
G178.0	22.6	21.7	21.2	21.1	21.5	21.7	22.6	22.0	22.1	22.1
G179.0	22.3	21.9	21.6	21.7	21.7	21.9	22.3	22.0	21.8	22.0
G180.0	22.4	22.0	21.6	22.1	21.8	21.9	22.6	22.3	22.0	22.2

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	2474.5	2469.2	2497.4							
G1.0	2471.7	2465.9	2495.4							
G2.0	2467.9	2461.4	2491.8							
G3.0	2464.3	2455.7	2487.2							
G4.0	2458.7	2449.6	2482.1							
G5.0	2453.2	2441.5	2474.9							
G6.0	2446.2	2433.4	2468.7							
G7.0	2439.9	2423.5	2460.0							
G8.0	2431.0	2414.3	2449.4							
G9.0	2422.5	2402.2	2439.3							
G10.0	2413.5	2391.3	2427.6							
G11.0	2402.3	2377.5	2415.5							
G12.0	2390.9	2364.1	2401.7							
G13.0	2378.8	2349.1	2387.5							
G14.0	2365.7	2333.3	2371.4							
G15.0	2352.3	2317.1	2356.1							
G16.0	2337.7	2300.1	2338.4							
G17.0	2323.0	2281.4	2321.1							
G18.0	2308.0	2262.4	2302.4							
G19.0	2290.2	2242.8	2282.1							
G20.0	2273.3	2222.4	2261.7							
G21.0	2256.0	2201.0	2240.8							
G22.0	2237.5	2179.9	2218.7							
G23.0	2218.1	2157.1	2195.4							
G24.0	2199.3	2133.1	2172.1							
G25.0	2178.7	2109.7	2146.9							
G26.0	2158.5	2085.3	2122.3							
G27.0	2137.7	2058.8	2097.2							
G28.0	2115.3	2033.5	2070.9							
G29.0	2093.1	2006.8	2043.6							
G30.0	2070.7	1980.3	2017.1							
G31.0	2046.0	1953.6	1987.9							
G32.0	2022.2	1925.1	1959.7							
G33.0	1998.7	1895.6	1930.3							
G34.0	1973.5	1868.2	1901.1							
G35.0	1948.8	1837.9	1871.4							
G36.0	1923.2	1807.8	1839.0							

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 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	1897.1	1776.8	1809.2							
G38.0	1870.7	1748.0	1778.6							
G39.0	1844.0	1715.9	1744.9							
G40.0	1816.1	1683.7	1713.0							
G41.0	1789.9	1651.8	1679.8							
G42.0	1761.2	1620.3	1646.4							
G43.0	1734.3	1588.2	1613.7							
G44.0	1707.9	1556.0	1578.9							
G45.0	1679.0	1522.1	1544.1							
G46.0	1650.7	1489.4	1509.0							
G47.0	1622.1	1455.1	1474.1							
G48.0	1594.5	1421.8	1439.2							
G49.0	1564.4	1388.4	1403.7							
G50.0	1534.9	1354.0	1367.3							
G51.0	1506.5	1319.9	1330.4							
G52.0	1476.4	1285.2	1293.6							
G53.0	1445.9	1249.8	1258.6							
G54.0	1416.1	1216.4	1219.6							
G55.0	1385.4	1181.6	1184.3							
G56.0	1355.8	1147.2	1145.3							
G57.0	1324.9	1113.2	1107.1							
G58.0	1294.9	1078.1	1069.8							
G59.0	1263.7	1045.8	1031.2							
G60.0	1233.4	1011.4	992.6							
G61.0	1202.1	976.4	954.0							
G62.0	1171.1	942.3	915.9							
G63.0	1140.8	909.1	876.2							
G64.0	1108.8	875.2	836.7							
G65.0	1079.1	842.0	797.1							
G66.0	1047.2	808.1	759.9							
G67.0	1017.5	775.8	718.7							
G68.0	985.8	742.2	680.5							
G69.0	955.4	710.6	641.4							
G70.0	925.5	677.6	603.2							
G71.0	894.6	646.5	565.1							
G72.0	864.5	615.5	526.3							
G73.0	834.0	585.3	487.4							

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 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	804.7	554.1	449.3							
G75.0	775.9	525.3	411.6							
G76.0	746.8	495.7	374.4							
G77.0	717.6	468.1	338.4							
G78.0	689.7	439.8	303.0							
G79.0	661.8	413.8	268.9							
G80.0	635.1	387.4	234.7							
G81.0	610.2	363.4	202.4							
G82.0	584.6	340.6	173.4							
G83.0	561.4	318.8	144.3							
G84.0	538.6	298.3	119.0							
G85.0	516.6	279.7	95.1							
G86.0	495.1	262.5	74.9							
G87.0	475.4	247.2	58.2							
G88.0	456.9	232.3	45.7							
G89.0	439.1	219.3	38.1							
G90.0	421.2	206.7	35.6							
G91.0	405.3	194.6	34.9							
G92.0	389.8	183.5	34.4							
G93.0	374.0	172.8	34.0							
G94.0	359.7	161.9	33.5							
G95.0	345.3	151.7	33.0							
G96.0	331.3	141.5	32.5							
G97.0	318.0	132.3	32.3							
G98.0	304.2	123.3	31.9							
G99.0	291.0	114.9	31.4							
G100.0	277.9	107.3	30.7							
G101.0	265.5	100.3	30.5							
G102.0	252.2	93.3	30.1							
G103.0	233.2	86.9	29.3							
G104.0	213.8	80.5	28.9							
G105.0	198.0	74.6	28.5							
G106.0	185.5	68.4	28.4							
G107.0	176.5	62.3	27.6							
G108.0	167.4	56.5	27.6							
G109.0	158.8	51.7	27.2							
G110.0	150.8	47.4	26.8							

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

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

Candlepower Table (Continue 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	143.4	44.1	26.1							
G112.0	136.1	40.8	25.7							
G113.0	129.2	37.7	25.4							
G114.0	122.2	34.8	25.2							
G115.0	115.4	32.2	24.9							
G116.0	108.8	29.4	24.3							
G117.0	102.2	27.1	24.0							
G118.0	95.8	25.1	23.8							
G119.0	90.0	23.9	23.4							
G120.0	84.0	23.4	23.1							
G121.0	78.6	22.8	22.6							
G122.0	72.8	22.5	22.5							
G123.0	67.9	22.2	22.2							
G124.0	62.6	22.2	21.9							
G125.0	58.0	22.0	21.6							
G126.0	53.2	21.3	21.4							
G127.0	48.8	21.5	21.1							
G128.0	44.5	20.9	21.0							
G129.0	40.1	21.0	20.8							
G130.0	36.6	20.8	20.5							
G131.0	32.7	20.6	20.2							
G132.0	29.3	20.0	20.0							
G133.0	26.5	19.8	19.8							
G134.0	24.6	19.9	19.7							
G135.0	22.8	19.6	19.2							
G136.0	22.4	19.5	19.1							
G137.0	22.0	19.3	18.9							
G138.0	22.0	19.2	18.8							
G139.0	22.3	19.1	18.7							
G140.0	22.0	19.0	18.9							
G141.0	22.3	19.0	18.8							
G142.0	22.2	19.1	18.7							
G143.0	22.3	19.2	18.4							
G144.0	22.0	19.2	18.3							
G145.0	21.9	19.6	18.2							
G146.0	22.0	19.4	18.5							
G147.0	22.1	19.9	18.5							

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 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	22.2	20.0	18.5							
G149.0	22.1	20.2	18.5							
G150.0	22.1	20.3	18.7							
G151.0	21.9	20.5	19.0							
G152.0	21.6	20.4	19.0							
G153.0	21.5	20.6	19.4							
G154.0	21.4	20.6	19.5							
G155.0	21.1	20.9	19.7							
G156.0	21.3	20.8	19.8							
G157.0	21.0	20.8	20.2							
G158.0	21.2	21.1	20.4							
G159.0	21.1	21.3	20.6							
G160.0	21.0	21.4	20.6							
G161.0	21.4	21.3	20.8							
G162.0	21.1	21.3	20.9							
G163.0	21.1	21.6	21.0							
G164.0	21.6	21.3	21.2							
G165.0	21.3	21.4	21.2							
G166.0	21.7	21.5	21.4							
G167.0	21.9	21.5	21.5							
G168.0	21.7	21.9	21.6							
G169.0	22.0	22.0	21.7							
G170.0	22.1	22.1	21.9							
G171.0	21.8	21.7	21.8							
G172.0	21.6	21.7	22.0							
G173.0	22.0	22.0	22.1							
G174.0	21.9	22.1	22.2							
G175.0	21.9	22.1	22.3							
G176.0	21.8	21.7	22.6							
G177.0	21.5	21.7	22.3							
G178.0	21.8	21.7	22.6							
G179.0	21.7	22.0	22.3							
G180.0	21.9	21.9	22.4							

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: