http://www.inventfine.com.cn
Tel:86-571-88091262
Fax:86-571-88262100

Report No.: 2022 **Test Time: 2022-07-06 14:49**

Luminaire Property

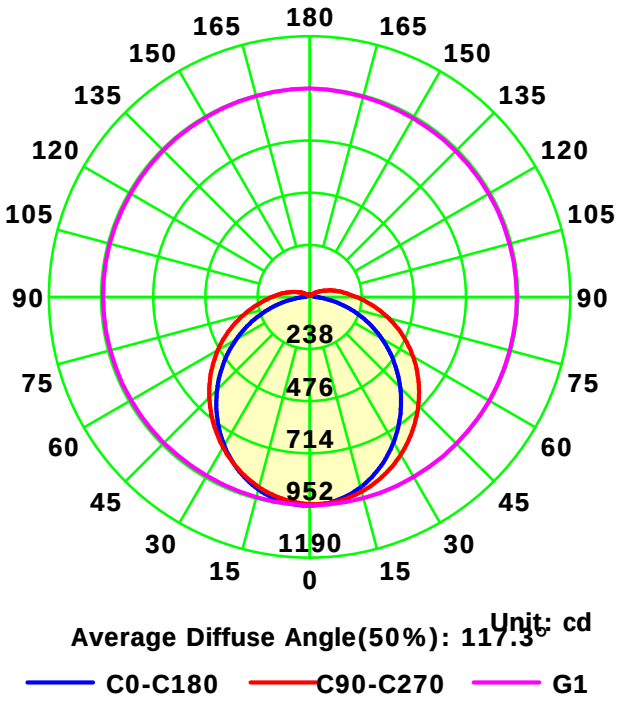
Luminaire Manufacturer:
Luminaire Category: LED
Luminaire Description: MX482H-25W-2FT
Lamp Description: 3500k **Luminous Length (mm): 600**
Luminous Width (mm): 90 **Luminous Height (mm): 120**
Voltage: 119.9 V **Current: 0.195 A**
Power: 23.28 W **Power Factor: 0.995**

Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 3229.9 lm**
Measurement Flux: 3229.9 lm **Efficiency: 100%**
Downward Ratio: 92% **Upward Ratio: 8%**
Field Angle: H162.2 V213.4 **Beam Angle: H107.0 V127.5**
Luminaire Efficacy Rating (LER): 139 **Central Intensity: 952.52 cd**
Max. Intensity: 952.8 cd **Pos of Max. Intensity: H180 V1**

Picture Of Luminaire

Luminous Intensity Distribution Curve



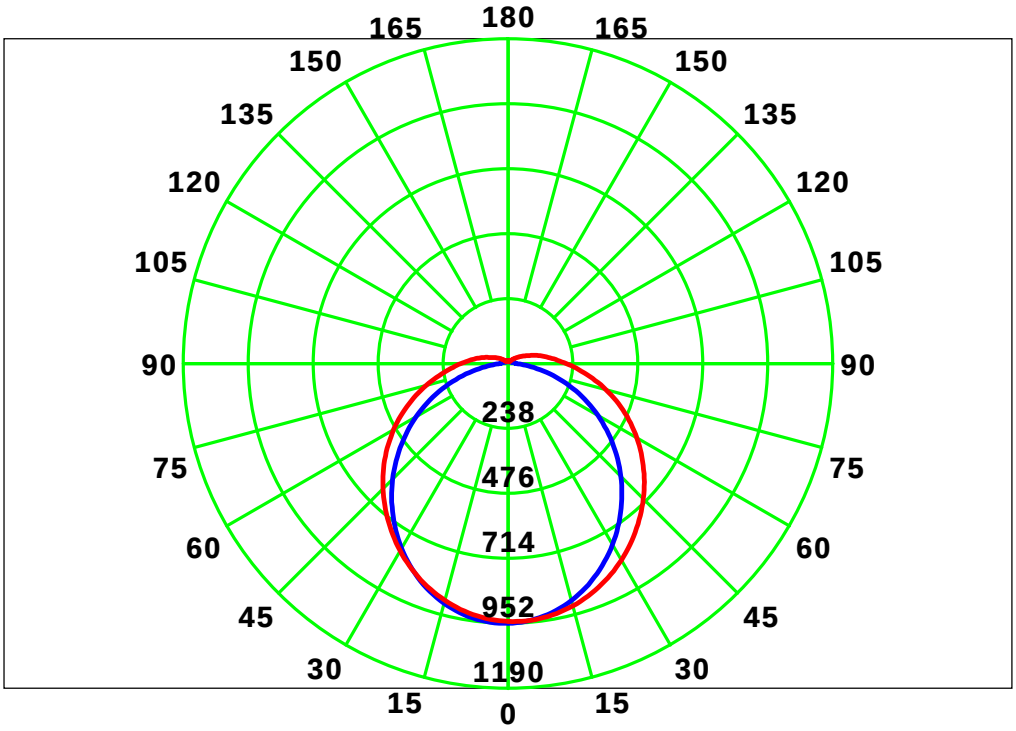
Unit: cd

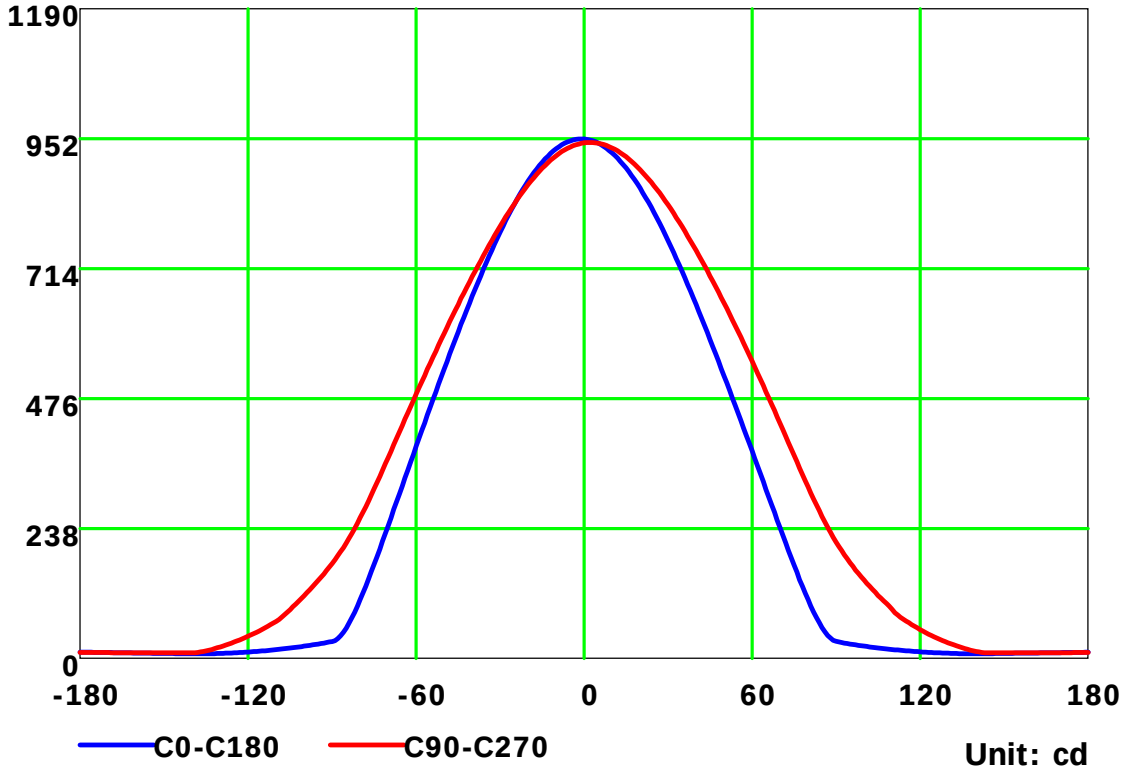
Average Diffuse Angle(50%): 117.3°

C0-C180 **C90-C270** **G1**

C Plane (°):0.0-360.0: 30.0 **Gamma Plane (°):0.0-180.0:1.0**
Test Lab: **Test Device: GPM-1600L**
Test Type: TYPE C **Distance: 8.580 m**
Temperature: 23 **Humidity: 88**
Operator: HUA **Inspector:**

Luminous Intensity Distribution Curve

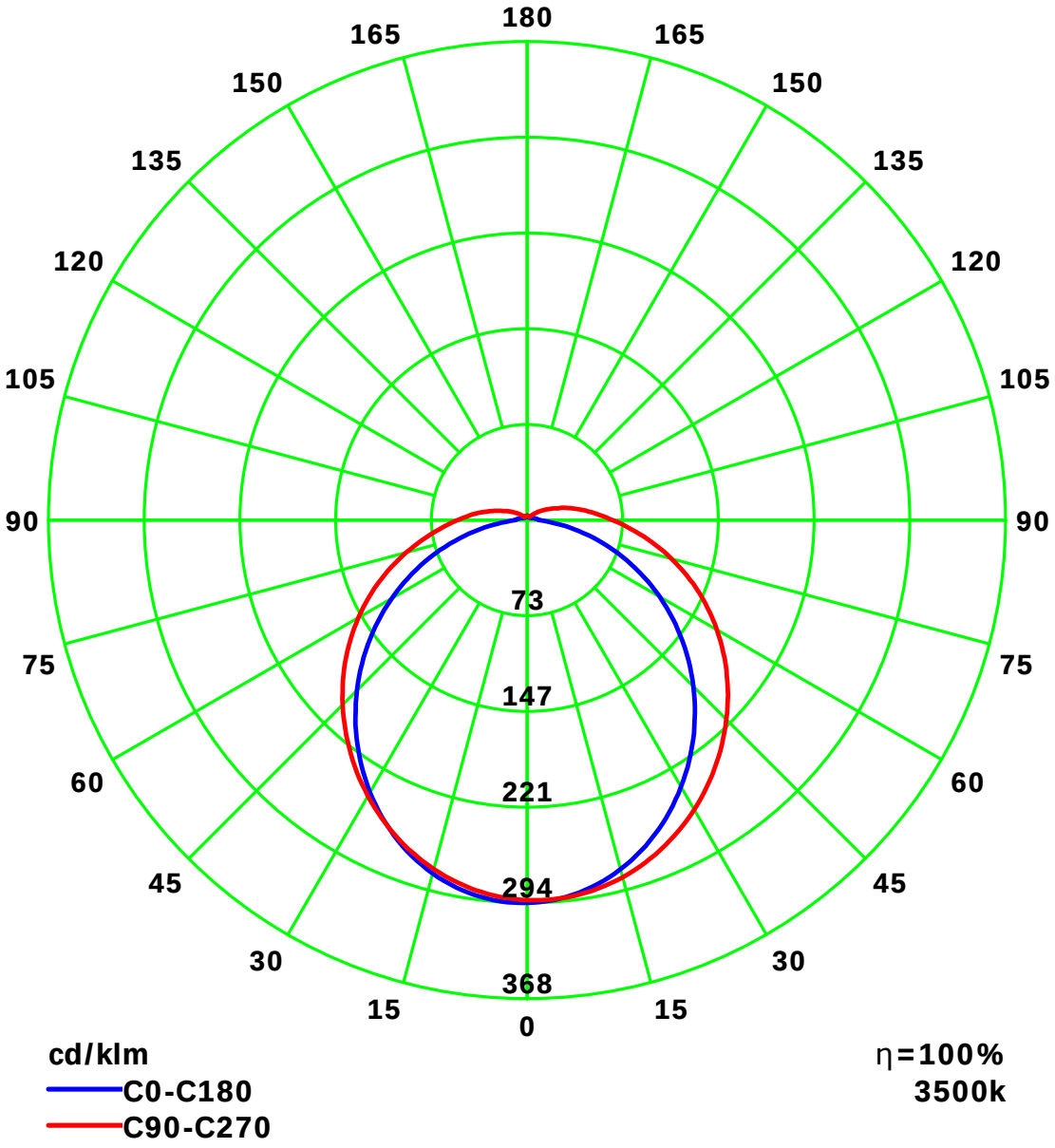




C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 23
Operator: HUA

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.580 m
Humidity: 88
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 23
Operator: HUA

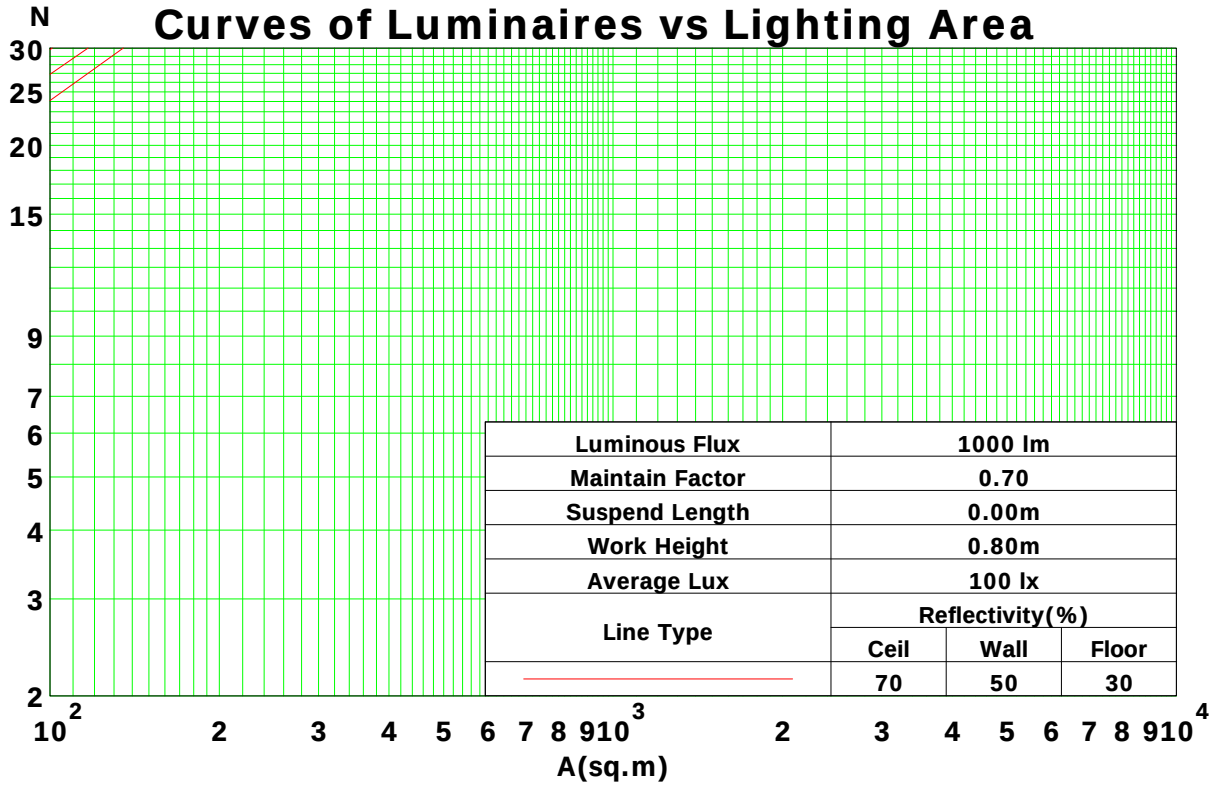
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.580 m
Humidity: 88
Inspector:

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	102	97	92	88	91	87	84	86	83	80	81	78	76	73
2	95	86	78	72	91	83	76	71	78	73	68	74	69	65	70	66	62	60
3	86	75	66	59	83	73	65	58	69	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	45	42
5	72	59	50	43	70	57	49	42	54	47	41	51	45	40	49	43	39	36
6	67	53	44	37	64	52	43	37	49	41	36	46	40	35	44	38	34	31
7	62	48	39	33	60	47	38	32	44	37	31	42	36	31	40	34	30	28
8	57	44	35	29	55	43	34	29	41	33	28	39	32	27	37	31	27	25
9	54	40	32	26	52	39	31	26	37	30	25	36	29	25	34	28	24	22
10	50	37	29	23	49	36	28	23	35	28	23	33	27	22	32	26	22	20

Spacing Criteria (0-180): 1.21
Spacing Criteria (90-270): 1.28
Spacing Criteria (Diagonal): 1.37

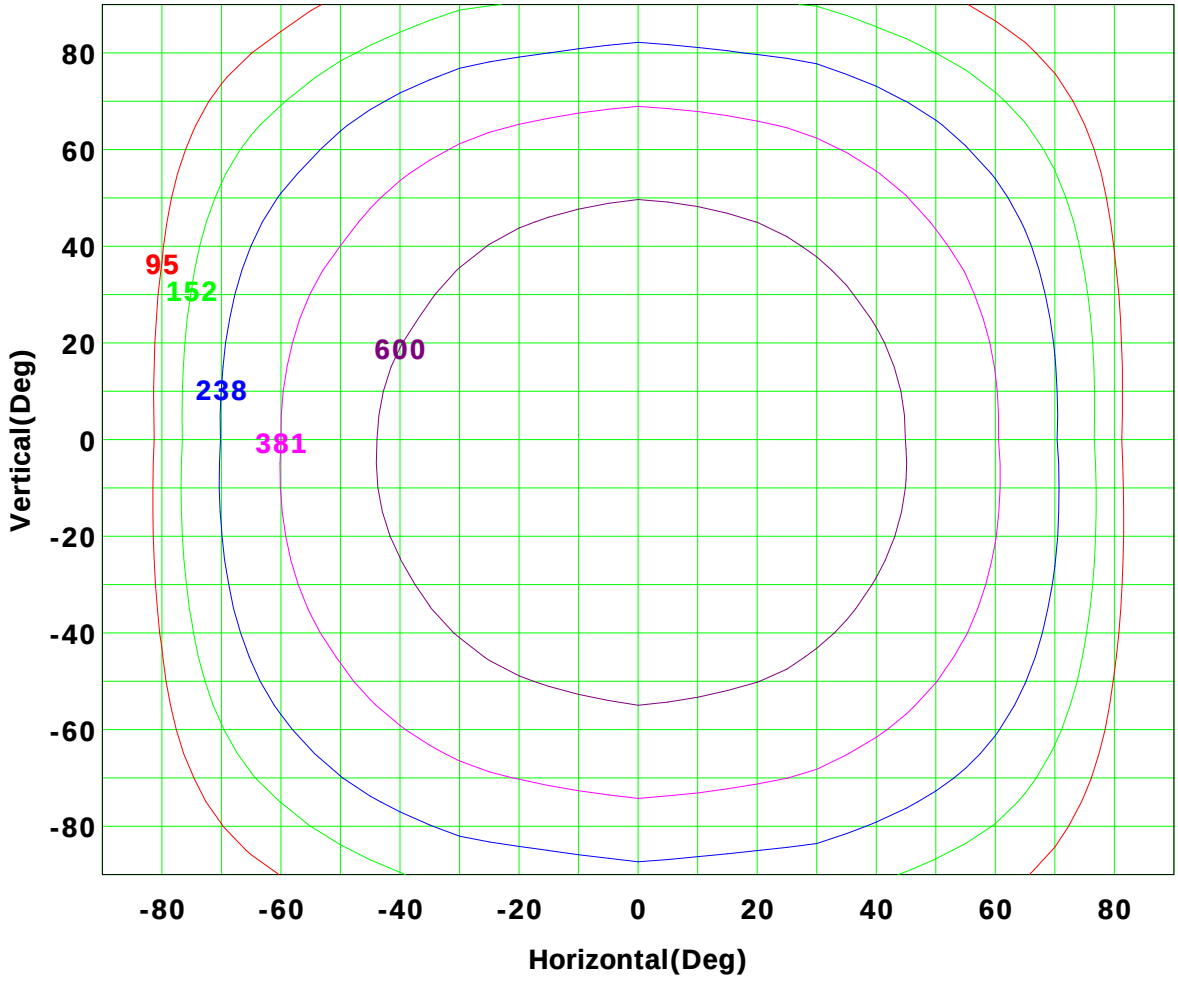
Curves of Luminaires vs Lighting Area



C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 23
Operator: HUA

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.580 m
Humidity: 88
Inspector:

Isocandela (rectangle)

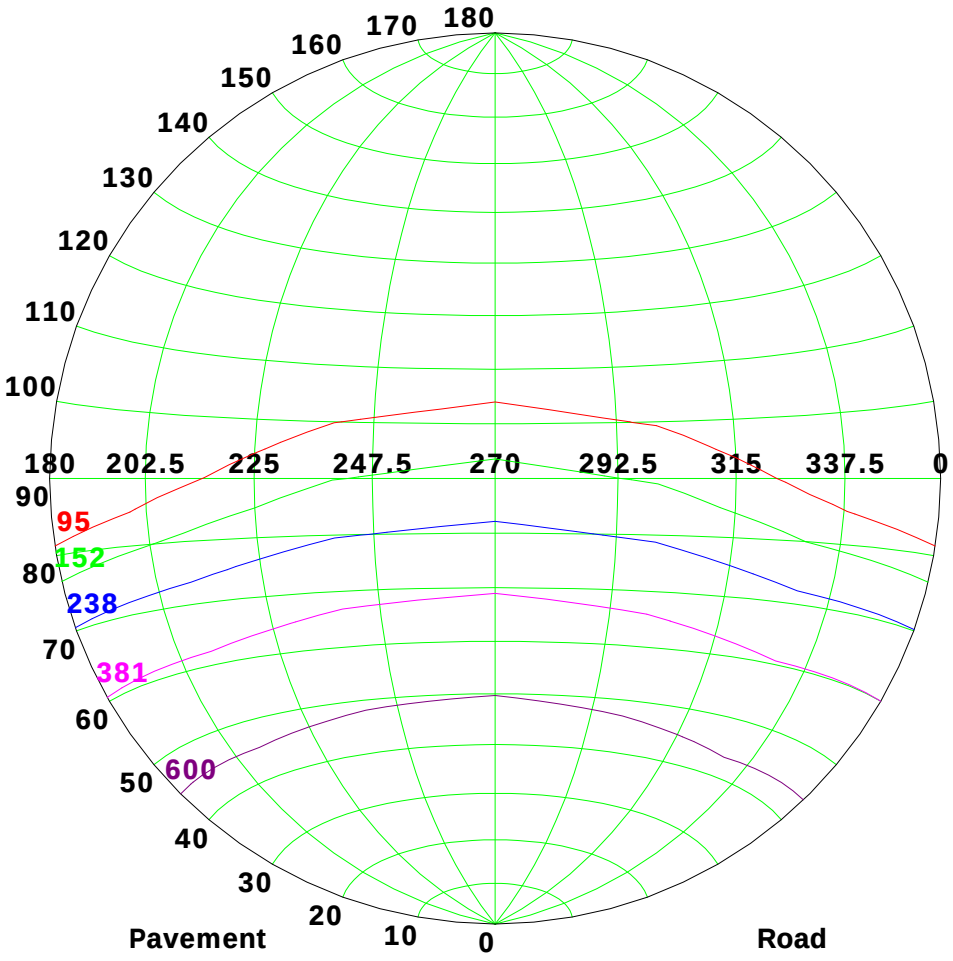


Imax (100%): 953 cd

(10%): 95 cd
(16%): 152 cd
(25%): 238 cd
(40%): 381 cd
(63%): 600 cd
(100%): 953 cd

C Plane (°):0.0-360.0: 30.0
Gamma Plane (°):0.0-180.0:1.0
Test Lab:
Test Device: GPM-1600L
Test Type: TYPE C
Distance: 8.580 m
Temperature: 23
Humidity: 88
Operator: HUA
Inspector:

Isocandela (sphere)



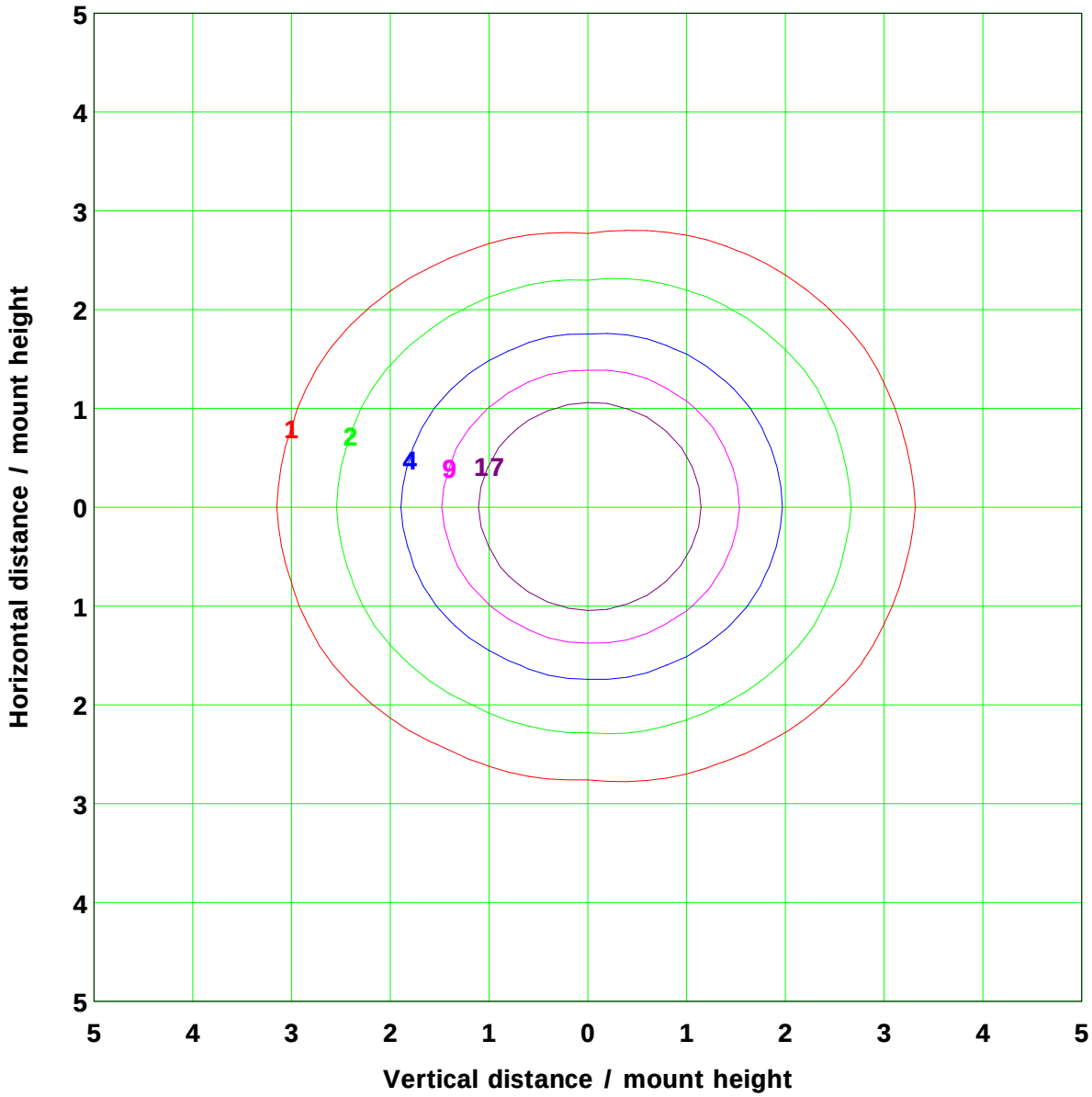
Imax (100%): 953 cd

(10%): 95 cd	(16%): 152 cd
(25%): 238 cd	(40%): 381 cd
(63%): 600 cd	(100%): 953 cd

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 23
Operator: HUA

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.580 m
Humidity: 88
Inspector:

IsoLux Plot



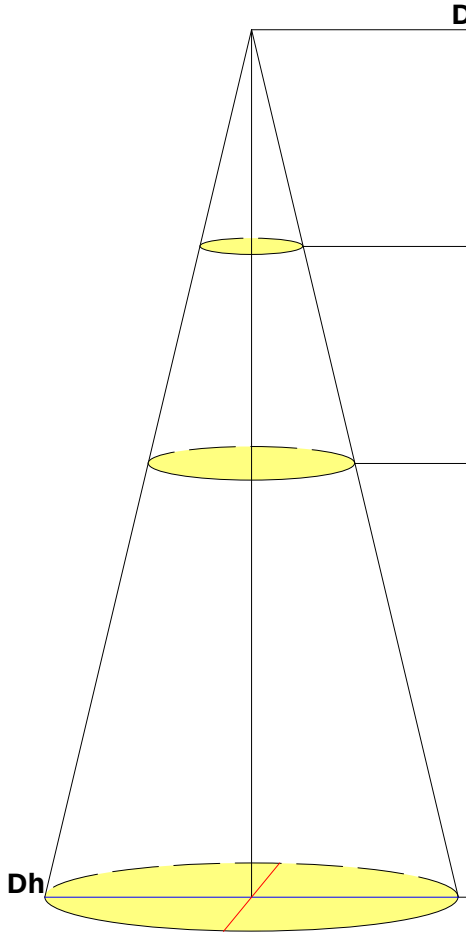
Mounting Height: 3.3m Max Lux(100%): 87.5 lx

(1%): 0.9 lx
(2%): 1.7 lx
(5%): 4.4 lx
(10%): 8.7 lx
(20%): 17.5 lx

C Plane (°):0.0-360.0: 30.0
Gamma Plane (°):0.0-180.0:1.0
Test Lab:
Test Device: GPM-1600L
Test Type: TYPE C
Distance: 8.580 m
Temperature: 23
Humidity: 88
Operator: HUA
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	38.10	13.52/20.27	221.7	5.26
		63.95/NA	NA	NA
10.0	9.53	27.05/40.53	886.8	1.32
		127.89/NA	NA	NA
20.0	2.38	54.09/81.06	3547.0	0.33
		255.79/NA	NA	NA

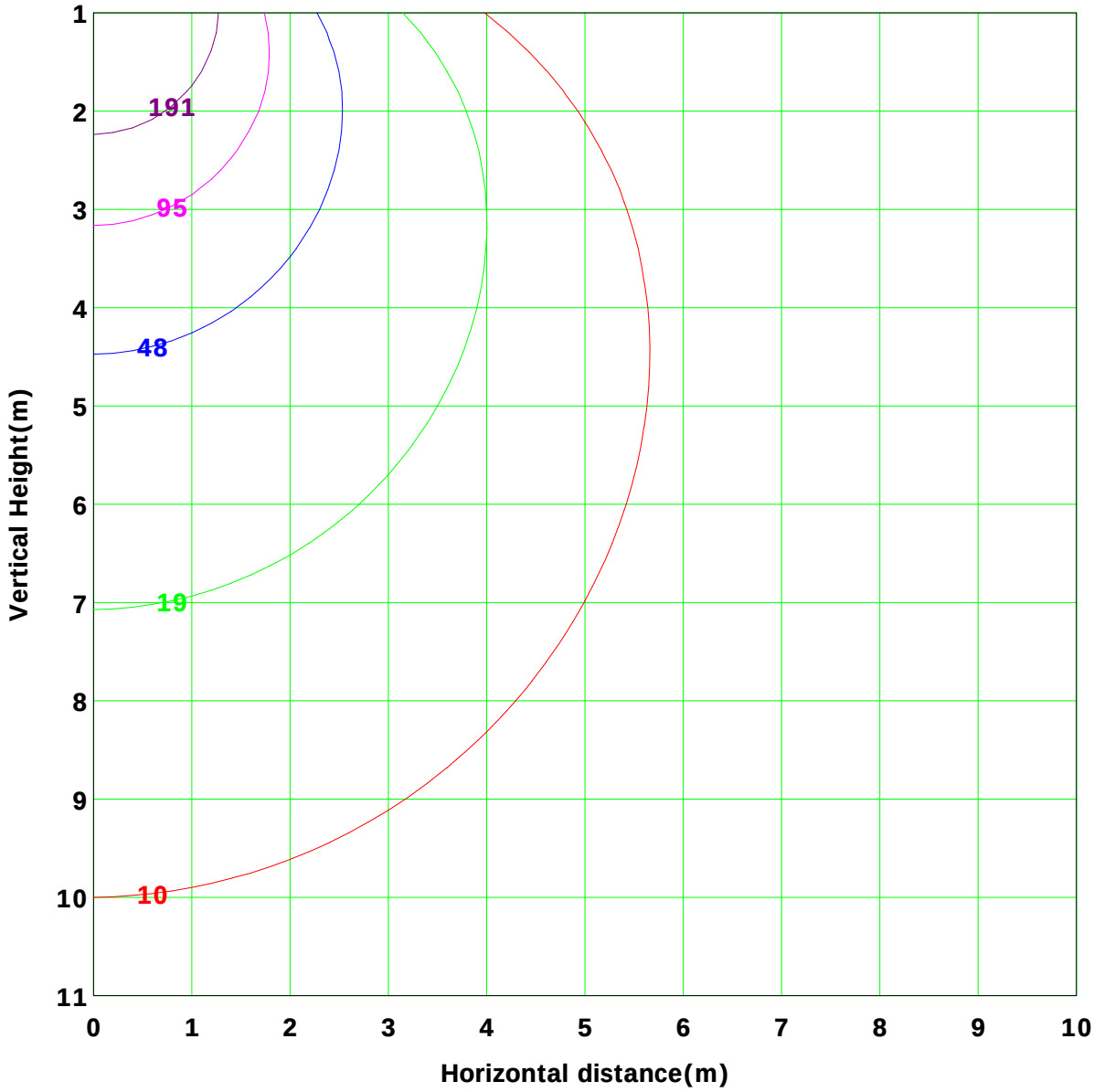


Beam Angle(B): H107.0 V127.5 Field Angle(F): H162.2 V213.4

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 23
Operator: HUA

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.580 m
Humidity: 88
Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 952.5 lx
(1%): 9.5 lx
(2%): 19.1 lx
(5%): 47.6 lx
(10%): 95.3 lx
(20%): 190.5 lx

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 23
Operator: HUA

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.580 m
Humidity: 88
Inspector:

Area Flux Table

Unit: lm

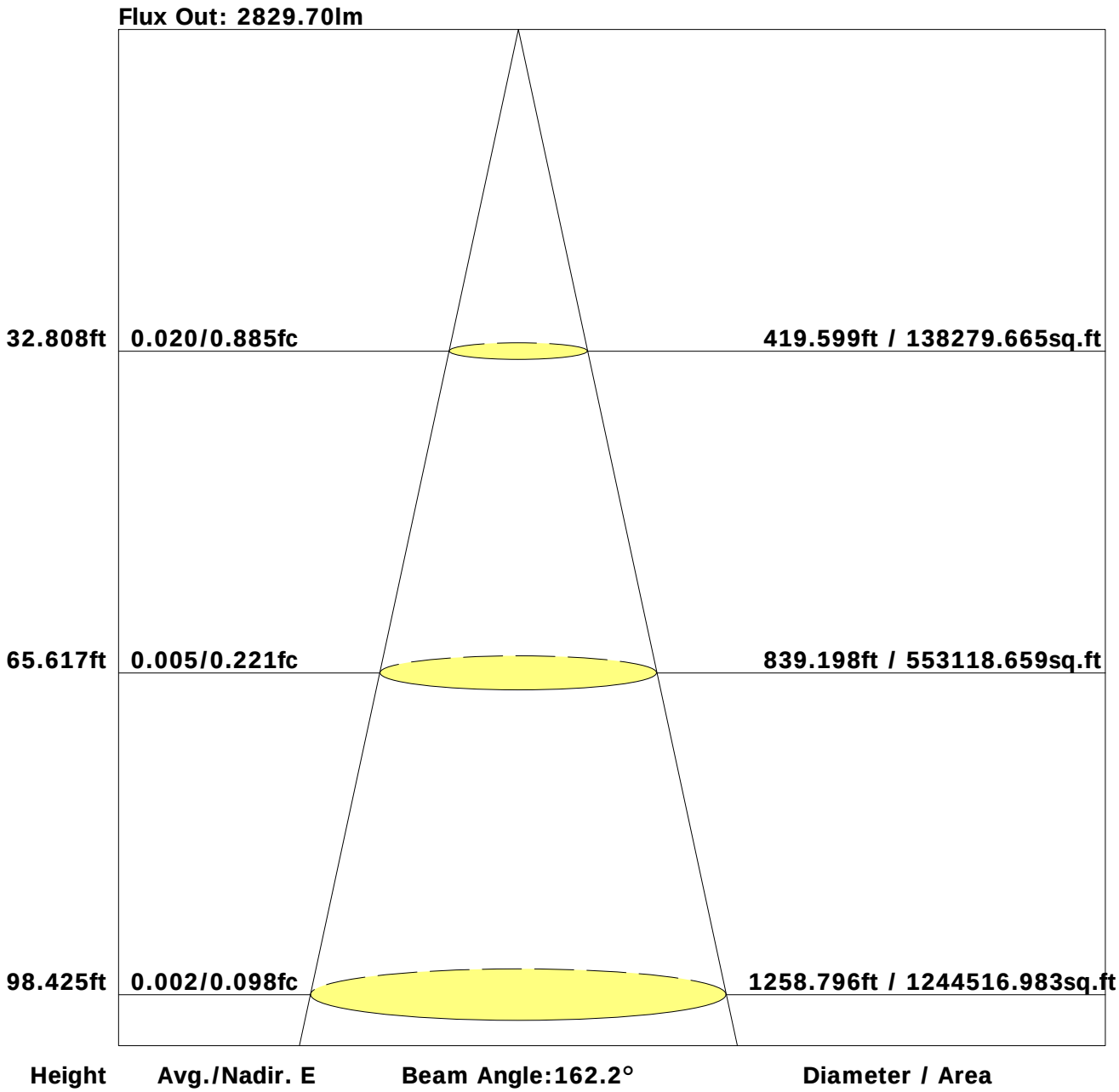
Vertical plane	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
-90	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.3	3.1	0.4
-80	0.5	0.6	0.8	1.1	0.9	1.2	1.4	1.4	1.4	1.5	1.5	1.4	1.3	1.2	1.1	0.9	0.8	0.6	0.2	19.7	17.1
-70	1.1	1.5	2.0	2.0	2.5	3.5	3.8	4.0	4.1	4.2	4.2	4.0	3.7	3.3	2.9	2.4	1.9	1.4	0.4	53.7	52.7
-60	2.0	2.8	3.8	3.8	4.8	6.6	7.3	7.8	8.1	8.1	8.0	7.7	7.1	6.3	5.4	4.5	3.5	2.6	0.8	102.2	102.1
-50	3.1	4.4	5.9	5.9	7.5	10.4	11.6	12.4	12.9	13.0	12.7	12.1	11.1	9.9	8.5	6.9	5.3	3.9	1.2	160.5	160.5
-40	4.2	6.1	8.2	8.2	10.5	14.4	16.0	17.3	18.0	18.1	17.7	16.7	15.3	13.6	11.7	9.6	7.4	5.3	1.7	222.5	222.5
-30	5.2	7.6	10.3	10.3	13.1	18.2	20.2	21.8	22.7	22.9	22.2	21.0	19.2	17.1	14.6	11.9	9.1	6.4	2.1	279.4	279.4
-20	5.9	8.6	11.8	11.8	15.1	21.0	23.4	25.3	26.4	26.5	25.7	24.3	22.2	19.6	16.7	13.6	10.3	7.2	2.5	321.8	321.8
-10	6.3	9.3	12.8	12.8	16.2	22.5	25.1	27.1	28.3	28.4	27.7	26.0	23.8	21.0	17.9	14.6	11.1	7.8	2.8	345.4	345.4
0	6.3	9.3	12.7	12.7	16.1	22.4	25.0	26.9	28.1	28.4	27.6	26.0	23.7	20.9	17.9	14.5	11.0	7.7	2.8	343.8	343.8
10	5.8	8.5	11.7	11.7	14.9	20.7	23.1	24.8	26.0	26.3	25.5	24.0	21.9	19.3	16.5	13.3	10.1	7.1	2.6	317.3	317.3
20	5.1	7.4	10.1	10.1	12.8	17.7	19.7	21.2	22.3	22.5	21.9	20.6	18.8	16.7	14.2	11.6	8.8	6.2	2.2	272.9	272.9
30	4.1	5.8	8.0	8.0	10.1	13.9	15.5	16.8	17.5	17.7	17.3	16.2	14.9	13.2	11.2	9.1	7.0	4.9	1.8	215.3	215.3
40	2.9	4.1	5.6	5.6	7.2	9.9	11.1	12.0	12.5	12.6	12.4	11.7	10.7	9.4	8.0	6.5	5.0	3.5	1.4	153.9	153.9
50	1.9	2.6	3.5	3.5	4.5	6.3	7.1	7.6	7.9	7.9	7.8	7.4	6.8	6.0	5.1	4.1	3.1	2.3	1.0	97.2	96.9
60	1.1	1.4	1.9	1.9	2.4	3.3	3.7	3.9	4.0	4.1	4.0	3.8	3.5	3.1	2.7	2.2	1.7	1.3	0.6	51.0	49.4
70	0.5	0.6	0.7	0.7	0.9	1.2	1.3	1.4	1.4	1.4	1.4	1.4	1.3	1.2	1.0	0.8	0.7	0.6	0.2	18.9	16.0
80	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	3.0	0.3
90	56.1	80.9	110.2	139.2	168.0	193.6	215.5	232.1	242.1	244.0	237.9	224.8	205.8	182.4	155.8	126.9	97.0	69.0	67.0	2982	
Flux(E)	52.8	79.3	109.3	139.2	167.6	193.2	215.2	231.8	241.8	243.7	237.6	224.5	205.5	182.0	155.3	126.2	95.9	67.0		2968	

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: 23
Operator: HUA

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.580 m
Humidity: 88
Inspector:

The Average Illuminance Effective Figure



C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 23
Operator: HUA

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.580 m
Humidity: 88
Inspector:

UGR Table

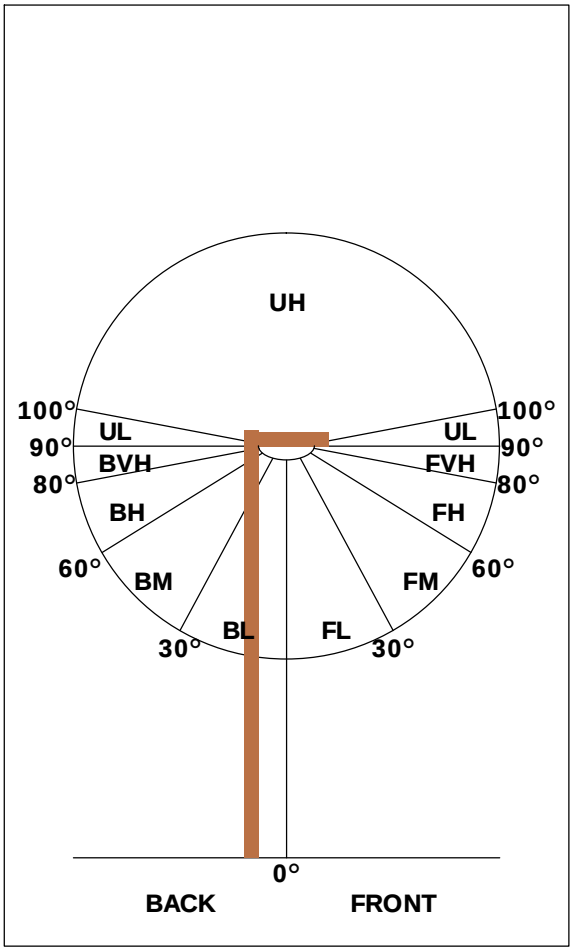
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	14.0	15.6	14.5	16.0	16.5	14.2	15.7	14.7	16.2	16.7
3H	15.8	17.2	16.3	17.6	18.2	16.2	17.6	16.7	18.0	18.6
4H	16.4	17.7	16.9	18.2	18.8	17.0	18.3	17.5	18.8	19.4
6H	16.9	18.1	17.4	18.6	19.2	17.8	19.0	18.3	19.5	20.1
8H	17.0	18.2	17.5	18.7	19.3	18.1	19.3	18.6	19.8	20.4
12H	17.1	18.2	17.6	18.8	19.4	18.4	19.5	18.9	20.0	20.7
X=4H Y=2H	14.5	15.8	15.0	16.3	16.9	14.8	16.1	15.3	16.6	17.1
3H	16.4	17.5	16.9	18.1	18.7	17.0	18.1	17.5	18.6	19.2
4H	17.2	18.2	17.7	18.8	19.4	18.0	19.0	18.5	19.5	20.1
6H	17.8	18.7	18.3	19.3	19.9	18.9	19.8	19.4	20.4	21.0
8H	18.0	18.8	18.5	19.4	20.0	19.3	20.1	19.9	20.7	21.3
12H	18.1	18.9	18.7	19.5	20.1	19.7	20.5	20.3	21.1	21.7
X=8H Y=4H	17.5	18.3	18.1	18.9	19.6	18.3	19.1	18.8	19.7	20.3
6H	18.2	18.9	18.8	19.5	20.2	19.3	20.1	20.0	20.7	21.3
8H	18.5	19.1	19.1	19.8	20.4	19.9	20.5	20.5	21.2	21.8
12H	18.7	19.3	19.3	19.9	20.6	20.4	21.0	21.0	21.6	22.3
X=12H Y=4H	17.5	18.3	18.1	18.9	19.6	18.3	19.1	18.9	19.7	20.3
6H	18.3	19.0	18.9	19.6	20.3	19.4	20.1	20.1	20.7	21.4
8H	18.6	19.2	19.3	19.8	20.6	20.0	20.6	20.6	21.2	21.9

Calculate in accordance with CIE 190:2010

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 23
Operator: HUA

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.580 m
Humidity: 88
Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	1473	45.6
FL (0°-30°)	363	11.2
FM (30°-60°)	697	21.6
FH (60°-80°)	327	10.1
FVH (80°-90°)	86	2.7
BACK LIGHT	1509	46.7
BL (0°-30°)	367	11.4
BM (30°-60°)	713	22.1
BH (60°-80°)	339	10.5
BVH (80°-90°)	90	2.8
UP LIGHT	248	7.7
UL (90°-100°)	108	3.3
UH (100°-180°)	140	4.3
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U3 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U3 G1

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
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Operator: HUA

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.580 m
Humidity: 88
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	0.52	0.61	0.68	0.74	0.81	0.86	0.90	0.95	0.98
	0.30		0.44	0.53	0.61	0.66	0.74	0.80	0.84	0.90	0.94
	0.20		0.38	0.47	0.54	0.60	0.68	0.75	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	0.72	0.76	0.82	0.86
0.30	0.50	0.20	0.47	0.56	0.62	0.66	0.73	0.77	0.80	0.84	0.87
	0.30		0.41	0.50	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	0.82
0.00	0.00	0.00	0.33	0.41	0.48	0.52	0.59	0.64	0.67	0.72	0.75

Rating:23W 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: 23
Operator: HUA

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.580 m
Humidity: 88
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	0.45	0.39	0.31	0.26
	0.30		0.86	0.74	0.65	0.58	0.49	0.42	0.37	0.29	0.25
	0.20		0.74	0.65	0.58	0.52	0.44	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	0.44	0.38	0.33	0.27	0.22
	0.20		0.70	0.61	0.54	0.49	0.41	0.36	0.31	0.25	0.22
0.00	0.00	0.00	0.59	0.51	0.45	0.40	0.34	0.29	0.25	0.20	0.17

Rating:23W 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: 23
Operator: HUA

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.580 m
Humidity: 88
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	0.22	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	0.19	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:23W 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: 23
Operator: HUA

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.580 m
Humidity: 88
Inspector:

Zonal Lumen

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	946.8	0.9	0.9	0.03	0.03
1.0-2.0	946.5	2.7	3.6	0.08	0.11
2.0-3.0	945.7	4.5	8.1	0.14	0.25
3.0-4.0	944.6	6.3	14.5	0.20	0.45
4.0-5.0	943.0	8.1	22.6	0.25	0.70
5.0-6.0	941.1	9.9	32.5	0.31	1.01
6.0-7.0	938.9	11.7	44.1	0.36	1.37
7.0-8.0	936.2	13.4	57.5	0.41	1.78
8.0-9.0	933.2	15.1	72.7	0.47	2.25
9.0-10.0	929.8	16.8	89.5	0.52	2.77
10.0-11.0	926.1	18.5	108.0	0.57	3.34
11.0-12.0	922.0	20.2	128.2	0.62	3.97
12.0-13.0	917.6	21.8	149.9	0.67	4.64
13.0-14.0	912.8	23.4	173.3	0.72	5.37
14.0-15.0	907.7	24.9	198.2	0.77	6.14
15.0-16.0	902.2	26.4	224.7	0.82	6.96
16.0-17.0	896.5	27.9	252.6	0.86	7.82
17.0-18.0	890.4	29.4	281.9	0.91	8.73
18.0-19.0	884.1	30.8	312.7	0.95	9.68
19.0-20.0	877.4	32.1	344.8	0.99	10.68
20.0-21.0	870.4	33.4	378.2	1.03	11.71
21.0-22.0	863.1	34.7	412.9	1.07	12.78
22.0-23.0	855.6	35.9	448.8	1.11	13.90
23.0-24.0	847.8	37.1	485.9	1.15	15.04
24.0-25.0	839.8	38.2	524.1	1.18	16.23
25.0-26.0	831.4	39.3	563.4	1.22	17.44
26.0-27.0	822.9	40.3	603.6	1.25	18.69
27.0-28.0	814.1	41.2	644.8	1.28	19.96
28.0-29.0	805.1	42.1	687.0	1.30	21.27
29.0-30.0	796.0	43.0	729.9	1.33	22.60
30.0-31.0	786.5	43.8	773.7	1.36	23.96
31.0-32.0	776.9	44.5	818.2	1.38	25.33
32.0-33.0	767.0	45.2	863.4	1.40	26.73
33.0-34.0	757.0	45.8	909.3	1.42	28.15
34.0-35.0	746.9	46.4	955.6	1.44	29.59
35.0-36.0	736.6	46.9	1002.6	1.45	31.04

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 23
Operator: HUA

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.580 m
Humidity: 88
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	726.1	47.4	1049.9	1.47	32.51
37.0-38.0	715.4	47.8	1097.7	1.48	33.99
38.0-39.0	704.6	48.1	1145.8	1.49	35.47
39.0-40.0	693.7	48.4	1194.2	1.50	36.97
40.0-41.0	682.7	48.6	1242.8	1.51	38.48
41.0-42.0	671.5	48.8	1291.6	1.51	39.99
42.0-43.0	660.2	48.9	1340.5	1.51	41.50
43.0-44.0	648.9	49.0	1389.5	1.52	43.02
44.0-45.0	637.4	49.0	1438.5	1.52	44.54
45.0-46.0	625.8	49.0	1487.4	1.52	46.05
46.0-47.0	614.2	48.9	1536.3	1.51	47.56
47.0-48.0	602.5	48.7	1585.0	1.51	49.07
48.0-49.0	590.7	48.5	1633.5	1.50	50.58
49.0-50.0	578.7	48.3	1681.8	1.49	52.07
50.0-51.0	566.8	48.0	1729.7	1.48	53.55
51.0-52.0	554.8	47.6	1777.3	1.47	55.03
52.0-53.0	542.6	47.2	1824.5	1.46	56.49
53.0-54.0	530.5	46.8	1871.3	1.45	57.94
54.0-55.0	518.3	46.3	1917.6	1.43	59.37
55.0-56.0	505.9	45.7	1963.3	1.42	60.79
56.0-57.0	493.6	45.1	2008.4	1.40	62.18
57.0-58.0	481.3	44.5	2053.0	1.38	63.56
58.0-59.0	468.9	43.8	2096.8	1.36	64.92
59.0-60.0	456.5	43.1	2139.9	1.34	66.25
60.0-61.0	444.0	42.4	2182.3	1.31	67.57
61.0-62.0	431.6	41.6	2223.9	1.29	68.85
62.0-63.0	419.2	40.8	2264.7	1.26	70.12
63.0-64.0	406.7	39.9	2304.6	1.24	71.35
64.0-65.0	394.2	39.0	2343.6	1.21	72.56
65.0-66.0	381.8	38.1	2381.7	1.18	73.74
66.0-67.0	369.3	37.1	2418.9	1.15	74.89
67.0-68.0	356.9	36.2	2455.0	1.12	76.01
68.0-69.0	344.5	35.2	2490.2	1.09	77.10
69.0-70.0	332.1	34.1	2524.3	1.06	78.15
70.0-71.0	319.8	33.1	2557.3	1.02	79.18
71.0-72.0	307.6	32.0	2589.3	0.99	80.17

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 23
Operator: HUA

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.580 m
Humidity: 88
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	295.4	30.9	2620.2	0.96	81.12
73.0-74.0	283.4	29.8	2650.0	0.92	82.05
74.0-75.0	271.5	28.7	2678.7	0.89	82.94
75.0-76.0	259.7	27.6	2706.3	0.85	83.79
76.0-77.0	248.0	26.4	2732.7	0.82	84.61
77.0-78.0	236.5	25.3	2758.0	0.78	85.39
78.0-79.0	225.2	24.2	2782.2	0.75	86.14
79.0-80.0	214.2	23.1	2805.3	0.72	86.86
80.0-81.0	203.6	22.0	2827.3	0.68	87.54
81.0-82.0	193.1	20.9	2848.3	0.65	88.19
82.0-83.0	183.1	19.9	2868.2	0.62	88.80
83.0-84.0	173.5	18.9	2887.1	0.59	89.39
84.0-85.0	164.3	17.9	2905.0	0.56	89.94
85.0-86.0	155.6	17.0	2922.0	0.53	90.47
86.0-87.0	147.5	16.1	2938.2	0.50	90.97
87.0-88.0	139.9	15.3	2953.5	0.47	91.44
88.0-89.0	133.0	14.6	2968.1	0.45	91.90
89.0-90.0	126.7	13.9	2982.0	0.43	92.33
90.0-91.0	120.9	13.3	2995.3	0.41	92.74
91.0-92.0	115.5	12.7	3007.9	0.39	93.13
92.0-93.0	110.3	12.1	3020.0	0.37	93.50
93.0-94.0	105.3	11.5	3031.5	0.36	93.86
94.0-95.0	100.5	11.0	3042.5	0.34	94.20
95.0-96.0	95.9	10.5	3053.0	0.32	94.52
96.0-97.0	91.4	10.0	3062.9	0.31	94.83
97.0-98.0	87.1	9.5	3072.4	0.29	95.13
98.0-99.0	82.9	9.0	3081.4	0.28	95.40
99.0-100.0	78.9	8.5	3089.9	0.26	95.67
100.0-101.0	75.1	8.1	3098.0	0.25	95.92
101.0-102.0	71.4	7.7	3105.7	0.24	96.16
102.0-103.0	67.9	7.3	3113.0	0.22	96.38
103.0-104.0	64.4	6.9	3119.8	0.21	96.59
104.0-105.0	61.2	6.5	3126.3	0.20	96.79
105.0-106.0	58.0	6.1	3132.5	0.19	96.98
106.0-107.0	55.0	5.8	3138.2	0.18	97.16
107.0-108.0	52.1	5.4	3143.7	0.17	97.33

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 23
Operator: HUA

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.580 m
Humidity: 88
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	49.3	5.1	3148.8	0.16	97.49
109.0-110.0	46.7	4.8	3153.6	0.15	97.64
110.0-111.0	44.2	4.5	3158.2	0.14	97.78
111.0-112.0	41.8	4.3	3162.4	0.13	97.91
112.0-113.0	39.5	4.0	3166.5	0.12	98.04
113.0-114.0	37.3	3.8	3170.2	0.12	98.15
114.0-115.0	35.2	3.5	3173.7	0.11	98.26
115.0-116.0	33.1	3.3	3177.0	0.10	98.36
116.0-117.0	31.2	3.1	3180.1	0.09	98.46
117.0-118.0	29.3	2.9	3182.9	0.09	98.55
118.0-119.0	27.6	2.7	3185.6	0.08	98.63
119.0-120.0	26.0	2.5	3188.0	0.08	98.71
120.0-121.0	24.5	2.3	3190.4	0.07	98.78
121.0-122.0	23.2	2.2	3192.5	0.07	98.84
122.0-123.0	22.0	2.0	3194.6	0.06	98.91
123.0-124.0	20.8	1.9	3196.5	0.06	98.97
124.0-125.0	19.8	1.8	3198.3	0.06	99.02
125.0-126.0	18.7	1.7	3199.9	0.05	99.07
126.0-127.0	17.8	1.6	3201.5	0.05	99.12
127.0-128.0	16.9	1.5	3203.0	0.05	99.17
128.0-129.0	16.0	1.4	3204.3	0.04	99.21
129.0-130.0	15.1	1.3	3205.6	0.04	99.25
130.0-131.0	14.4	1.2	3206.8	0.04	99.29
131.0-132.0	13.6	1.1	3207.9	0.03	99.32
132.0-133.0	12.9	1.0	3209.0	0.03	99.35
133.0-134.0	12.3	1.0	3210.0	0.03	99.38
134.0-135.0	11.7	0.9	3210.9	0.03	99.41
135.0-136.0	11.2	0.9	3211.7	0.03	99.44
136.0-137.0	10.8	0.8	3212.5	0.03	99.46
137.0-138.0	10.4	0.8	3213.3	0.02	99.49
138.0-139.0	10.2	0.7	3214.1	0.02	99.51
139.0-140.0	10.0	0.7	3214.8	0.02	99.53
140.0-141.0	9.9	0.7	3215.5	0.02	99.55
141.0-142.0	9.8	0.7	3216.1	0.02	99.57
142.0-143.0	9.8	0.7	3216.8	0.02	99.59
143.0-144.0	9.8	0.6	3217.4	0.02	99.61

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 23
Operator: HUA

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.580 m
Humidity: 88
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	9.8	0.6	3218.0	0.02	99.63
145.0-146.0	9.9	0.6	3218.7	0.02	99.65
146.0-147.0	9.9	0.6	3219.3	0.02	99.67
147.0-148.0	10.0	0.6	3219.8	0.02	99.69
148.0-149.0	10.0	0.6	3220.4	0.02	99.71
149.0-150.0	10.1	0.6	3221.0	0.02	99.72
150.0-151.0	10.1	0.5	3221.5	0.02	99.74
151.0-152.0	10.2	0.5	3222.1	0.02	99.76
152.0-153.0	10.2	0.5	3222.6	0.02	99.77
153.0-154.0	10.3	0.5	3223.1	0.02	99.79
154.0-155.0	10.3	0.5	3223.6	0.02	99.80
155.0-156.0	10.3	0.5	3224.0	0.01	99.82
156.0-157.0	10.4	0.5	3224.5	0.01	99.83
157.0-158.0	10.4	0.4	3224.9	0.01	99.85
158.0-159.0	10.5	0.4	3225.3	0.01	99.86
159.0-160.0	10.5	0.4	3225.7	0.01	99.87
160.0-161.0	10.6	0.4	3226.1	0.01	99.88
161.0-162.0	10.6	0.4	3226.5	0.01	99.90
162.0-163.0	10.7	0.4	3226.9	0.01	99.91
163.0-164.0	10.7	0.3	3227.2	0.01	99.92
164.0-165.0	10.7	0.3	3227.5	0.01	99.93
165.0-166.0	10.8	0.3	3227.8	0.01	99.94
166.0-167.0	10.8	0.3	3228.1	0.01	99.94
167.0-168.0	10.9	0.3	3228.3	0.01	99.95
168.0-169.0	10.9	0.2	3228.6	0.01	99.96
169.0-170.0	11.0	0.2	3228.8	0.01	99.97
170.0-171.0	11.0	0.2	3229.0	0.01	99.97
171.0-172.0	11.1	0.2	3229.2	0.01	99.98
172.0-173.0	11.1	0.2	3229.3	0.00	99.98
173.0-174.0	11.2	0.1	3229.5	0.00	99.99
174.0-175.0	11.2	0.1	3229.6	0.00	99.99
175.0-176.0	11.3	0.1	3229.7	0.00	99.99
176.0-177.0	11.3	0.1	3229.8	0.00	100.00
177.0-178.0	11.4	0.1	3229.8	0.00	100.00
178.0-179.0	11.4	0.0	3229.9	0.00	100.00
179.0-180.0	11.5	0.0	3229.9	0.00	100.00

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 23
Operator: HUA

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.580 m
Humidity: 88
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	952.5	949.6	947.1	945.5	944.1	942.7	952.5	949.6	947.1	945.5
G1.0	952.0	949.4	947.3	946.0	944.7	943.3	952.8	949.4	946.6	944.6
G2.0	950.9	948.8	947.3	946.3	945.0	943.4	952.6	948.7	945.6	943.4
G3.0	949.5	947.8	946.8	946.2	944.9	943.1	951.8	947.7	944.3	941.9
G4.0	947.6	946.4	946.0	945.7	944.5	942.4	950.7	946.3	942.6	940.0
G5.0	945.3	944.6	944.8	945.0	943.7	941.2	949.1	944.3	940.6	937.8
G6.0	942.5	942.4	943.3	943.9	942.6	939.8	947.1	942.2	938.3	935.2
G7.0	939.2	939.7	941.4	942.5	941.1	937.8	944.7	939.5	935.6	932.4
G8.0	935.6	936.7	939.2	940.8	939.4	935.6	941.8	936.3	932.5	929.4
G9.0	931.7	933.2	936.7	938.6	937.3	932.9	938.6	932.9	929.1	925.9
G10.0	927.3	929.5	933.9	936.3	934.8	929.8	934.8	929.0	925.2	922.0
G11.0	922.6	925.4	930.3	933.7	932.0	926.4	930.7	924.8	921.3	918.0
G12.0	917.4	920.8	926.7	930.6	928.8	922.7	926.1	920.1	916.7	913.7
G13.0	911.6	915.9	923.0	927.3	925.3	918.4	921.1	915.2	912.1	909.1
G14.0	905.8	910.7	918.7	923.8	921.4	913.7	916.0	909.9	907.0	903.9
G15.0	899.5	905.0	914.1	920.0	917.4	908.9	909.9	903.9	901.7	898.9
G16.0	892.8	899.2	909.3	915.8	912.8	903.6	904.0	897.9	896.1	893.4
G17.0	885.8	892.8	904.0	911.3	908.2	898.0	897.5	891.5	890.0	887.8
G18.0	878.3	886.2	898.7	906.7	903.1	892.0	890.7	884.8	883.8	881.7
G19.0	870.8	879.2	893.0	901.7	898.0	885.8	883.5	877.6	877.4	875.6
G20.0	862.9	872.1	887.0	896.4	892.2	879.0	875.7	870.0	870.7	869.2
G21.0	854.2	864.4	880.7	891.0	886.6	872.1	867.7	862.3	863.4	862.7
G22.0	845.4	856.2	874.2	885.3	880.3	864.7	859.7	854.4	856.1	855.7
G23.0	836.7	848.3	867.4	879.4	874.0	857.3	851.2	845.8	848.6	848.6
G24.0	827.3	839.7	860.4	873.3	867.3	849.5	841.8	837.1	841.1	841.3
G25.0	818.1	831.2	853.2	866.8	860.6	841.3	832.6	828.1	833.0	833.4
G26.0	808.0	821.9	845.7	860.2	853.4	832.9	823.3	818.9	824.6	825.8
G27.0	798.2	812.7	838.1	853.7	846.0	824.2	813.4	809.2	816.3	817.7
G28.0	787.6	803.1	830.0	846.4	838.5	815.1	803.3	799.4	807.7	809.8
G29.0	777.7	793.5	821.9	839.5	830.8	806.3	792.9	789.6	798.6	801.6
G30.0	766.5	783.6	813.6	831.9	822.6	796.8	782.5	779.5	789.6	793.1
G31.0	755.6	773.5	805.3	824.4	814.7	787.4	771.4	768.9	780.4	784.0
G32.0	744.5	762.9	796.2	816.5	806.1	777.2	760.2	758.3	771.3	775.5
G33.0	733.2	752.4	787.5	808.3	797.8	767.1	748.8	747.4	761.3	766.4
G34.0	721.7	741.9	778.5	800.3	788.8	756.8	737.5	736.5	751.7	757.4
G35.0	710.1	730.9	769.1	792.1	779.9	746.8	725.7	725.3	741.8	747.9
G36.0	697.8	720.0	759.8	783.6	770.9	736.4	713.7	714.1	731.5	738.6

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 23
Operator: HUA

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.580 m
Humidity: 88
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	686.3	708.6	750.2	774.8	761.6	725.2	701.5	702.2	721.4	729.0
G38.0	674.3	697.2	740.5	766.0	752.1	714.1	689.1	690.7	711.2	719.6
G39.0	661.7	685.6	730.7	757.4	742.3	703.0	676.7	678.8	700.2	709.8
G40.0	649.2	674.0	720.7	748.4	732.6	692.0	664.7	666.7	689.9	700.2
G41.0	636.6	662.5	710.6	739.3	723.1	680.8	651.7	654.3	679.4	690.1
G42.0	623.9	650.8	700.3	729.9	712.7	669.3	638.5	642.3	668.4	680.3
G43.0	611.0	638.7	689.8	720.7	702.7	657.6	625.4	629.9	657.5	669.9
G44.0	598.1	626.4	679.2	711.2	692.6	645.7	612.8	617.7	646.6	660.2
G45.0	585.3	614.4	669.1	701.5	682.2	633.7	599.1	604.8	635.4	649.3
G46.0	572.0	601.7	658.2	691.9	672.0	621.6	586.0	592.3	624.5	639.3
G47.0	558.7	589.5	648.0	682.2	661.5	610.0	572.0	579.5	613.0	628.5
G48.0	545.5	577.0	636.9	672.0	650.8	597.5	558.7	567.1	602.0	617.9
G49.0	532.1	564.7	626.5	662.4	640.3	585.5	544.8	553.7	590.7	607.3
G50.0	518.3	551.6	615.3	652.0	629.3	573.1	531.3	540.7	579.3	596.5
G51.0	505.4	539.4	604.3	642.2	618.7	561.0	517.1	528.0	567.8	585.9
G52.0	491.3	527.0	593.4	631.3	607.7	547.9	503.3	514.8	556.2	574.9
G53.0	477.8	514.1	582.1	621.2	597.1	536.1	489.2	501.9	544.5	563.6
G54.0	464.5	501.1	570.7	610.5	585.8	523.3	475.3	488.9	533.0	552.7
G55.0	450.6	488.7	559.8	600.0	574.8	510.5	461.0	475.6	521.2	541.5
G56.0	436.2	475.4	548.3	589.2	563.1	497.7	446.7	462.3	509.4	530.5
G57.0	422.5	462.7	536.8	578.5	552.0	484.9	432.4	449.1	497.7	519.0
G58.0	408.9	450.0	525.3	567.9	540.6	472.4	418.3	436.0	486.2	507.7
G59.0	395.1	436.8	514.0	556.6	529.1	459.4	404.0	422.9	474.1	496.6
G60.0	380.8	423.9	502.2	545.3	517.6	447.3	389.2	409.8	462.3	485.1
G61.0	367.0	411.5	490.8	534.6	506.1	434.3	374.7	396.6	450.4	473.6
G62.0	352.7	398.6	479.1	523.2	494.9	421.7	360.4	383.7	439.0	462.0
G63.0	339.1	386.0	467.6	512.1	483.1	409.1	345.5	370.3	426.5	450.6
G64.0	324.5	373.1	456.1	500.5	471.6	396.3	331.5	357.2	415.0	439.1
G65.0	310.2	360.2	444.8	489.2	459.8	383.5	316.5	344.1	403.0	427.1
G66.0	296.0	347.7	432.7	477.9	448.3	371.3	301.9	331.6	390.9	415.8
G67.0	281.8	334.7	421.0	466.0	436.5	358.1	287.8	318.8	379.4	403.9
G68.0	268.3	322.4	409.5	454.7	424.8	346.1	273.6	306.4	367.5	392.2
G69.0	253.6	309.6	397.2	443.1	413.0	333.6	258.4	293.1	355.7	380.5
G70.0	240.2	297.7	385.7	431.3	401.2	321.1	244.0	280.6	344.0	368.6
G71.0	226.1	284.7	374.2	419.5	389.4	308.6	229.8	268.4	332.2	357.8
G72.0	212.2	273.0	362.4	407.7	377.7	296.8	215.4	256.0	320.5	345.4
G73.0	198.4	261.1	350.8	396.1	365.9	284.6	201.2	243.8	308.9	334.1

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 23
Operator: HUA

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.580 m
Humidity: 88
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	185.0	249.4	339.1	384.4	354.5	272.5	187.1	232.0	297.7	322.9
G75.0	171.9	237.3	327.6	372.6	342.5	260.6	173.6	220.3	286.6	311.6
G76.0	158.6	226.0	316.4	360.9	331.2	248.7	160.0	208.8	275.0	300.3
G77.0	144.8	214.2	304.8	349.3	319.5	237.1	146.9	197.2	264.1	289.6
G78.0	132.9	203.3	293.6	337.8	308.1	225.7	132.9	186.3	253.3	278.6
G79.0	119.9	192.1	282.4	326.1	296.6	214.2	120.4	175.2	243.0	268.3
G80.0	108.3	181.2	271.7	315.0	285.7	203.2	108.3	164.9	232.6	258.3
G81.0	96.6	171.2	260.6	303.7	274.3	192.3	96.5	154.9	222.6	248.3
G82.0	85.4	161.1	250.3	292.7	264.0	181.6	84.9	145.3	212.9	238.4
G83.0	75.2	150.9	240.0	281.9	252.8	171.6	74.8	135.6	203.9	229.1
G84.0	65.7	141.6	230.0	271.3	242.5	161.4	64.8	126.6	195.0	220.4
G85.0	56.9	132.5	220.1	260.6	232.5	151.6	56.0	118.5	186.5	211.8
G86.0	49.3	124.3	210.6	250.7	222.8	142.3	48.2	110.7	178.4	203.5
G87.0	42.7	116.3	201.8	240.9	213.3	133.4	41.9	103.6	170.8	196.0
G88.0	37.6	109.0	193.3	231.7	204.4	125.2	36.7	96.8	163.5	188.4
G89.0	34.0	102.1	184.7	222.5	195.6	117.6	33.3	90.9	156.7	181.3
G90.0	31.8	95.9	176.9	213.9	187.6	110.5	31.7	85.4	150.1	174.5
G91.0	30.6	90.1	169.5	205.7	179.3	103.9	30.6	80.2	143.8	168.0
G92.0	29.6	84.9	162.8	197.9	171.9	97.9	29.6	75.3	137.6	161.4
G93.0	28.6	79.9	155.8	190.2	164.6	92.3	28.6	70.8	131.9	155.1
G94.0	27.7	75.5	149.3	183.1	157.8	87.2	27.7	66.1	126.3	149.3
G95.0	26.9	70.8	142.9	175.9	151.2	82.0	26.9	61.9	120.9	143.5
G96.0	26.1	66.7	137.0	169.2	145.0	77.4	26.0	57.6	115.2	137.7
G97.0	25.3	62.6	131.1	162.4	138.9	72.9	25.2	53.5	109.8	132.1
G98.0	24.6	58.7	125.5	156.4	133.2	68.6	24.5	49.5	104.4	126.4
G99.0	23.8	54.9	120.1	149.9	127.5	64.4	23.7	45.8	99.5	120.9
G100.0	23.1	51.4	114.8	144.0	121.9	60.5	22.9	42.6	94.3	115.3
G101.0	22.4	48.2	109.6	138.2	116.6	56.6	22.2	40.0	89.5	110.3
G102.0	21.7	45.4	104.7	132.6	111.3	53.0	21.5	37.5	84.6	105.1
G103.0	21.0	42.8	99.7	127.0	106.0	49.7	20.9	35.3	80.1	100.0
G104.0	20.4	40.3	94.8	121.6	101.1	46.8	20.2	33.2	75.4	95.1
G105.0	19.8	37.8	90.1	116.1	96.2	44.2	19.5	31.3	71.0	90.3
G106.0	19.2	35.6	85.5	111.1	91.3	41.6	18.9	29.5	66.7	85.4
G107.0	18.6	33.4	81.1	106.0	86.8	39.2	18.3	27.6	62.9	80.9
G108.0	18.0	31.4	76.9	101.1	82.2	36.8	17.7	25.8	59.5	75.9
G109.0	17.4	29.5	72.8	96.2	78.0	34.6	17.1	24.3	56.7	72.0
G110.0	16.9	27.8	69.2	90.7	73.7	32.5	16.5	22.8	53.6	68.5

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 23
Operator: HUA

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.580 m
Humidity: 88
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	16.4	26.1	65.7	84.4	69.9	30.5	16.0	21.5	50.7	65.4
G112.0	15.9	24.5	62.3	80.0	66.3	28.6	15.5	20.3	47.7	62.2
G113.0	15.4	23.0	59.0	76.2	62.7	26.9	15.1	19.1	44.8	59.3
G114.0	14.9	21.5	55.2	72.6	58.9	25.2	14.6	17.9	41.7	56.4
G115.0	14.5	20.2	51.7	69.2	55.0	23.6	14.2	16.8	38.8	53.7
G116.0	14.1	18.9	48.1	65.9	51.1	22.0	13.7	15.8	36.1	51.0
G117.0	13.7	17.7	44.5	62.6	47.4	20.6	13.3	14.9	33.6	48.5
G118.0	13.3	16.6	41.2	59.5	43.8	19.3	12.9	14.0	31.4	46.0
G119.0	12.9	15.6	38.2	56.4	40.7	18.1	12.6	13.3	29.3	43.5
G120.0	12.6	14.6	35.5	53.4	38.0	16.9	12.2	12.7	27.5	41.2
G121.0	12.3	13.8	33.2	50.5	35.4	15.8	11.9	12.3	25.7	38.9
G122.0	11.9	13.2	31.0	47.7	33.2	14.8	11.6	12.0	24.1	36.7
G123.0	11.6	12.8	29.0	45.1	31.1	13.9	11.3	11.7	22.6	34.5
G124.0	11.4	12.4	27.1	42.6	29.3	13.1	11.0	11.4	21.2	32.5
G125.0	11.1	12.1	25.5	40.1	27.5	12.6	10.7	11.1	19.8	30.5
G126.0	10.9	11.8	23.9	37.7	25.8	12.3	10.5	10.9	18.5	28.6
G127.0	10.6	11.5	22.4	35.5	24.2	12.0	10.2	10.6	17.3	26.7
G128.0	10.4	11.2	21.0	33.2	22.6	11.7	10.0	10.3	16.1	24.9
G129.0	10.2	11.0	19.6	31.1	21.1	11.4	9.8	10.1	15.0	23.2
G130.0	10.0	10.7	18.3	29.1	19.8	11.1	9.6	9.9	13.9	21.5
G131.0	9.8	10.5	17.0	27.1	18.4	10.9	9.5	9.7	13.0	20.0
G132.0	9.6	10.3	15.8	25.2	17.1	10.6	9.3	9.6	12.1	18.5
G133.0	9.5	10.1	14.7	23.5	15.8	10.4	9.2	9.4	11.4	17.0
G134.0	9.4	9.9	13.7	21.7	14.7	10.2	9.1	9.3	10.8	15.7
G135.0	9.3	9.8	12.8	20.1	13.7	10.1	9.0	9.1	10.2	14.4
G136.0	9.2	9.6	12.0	18.5	12.7	9.9	8.9	9.0	10.0	13.4
G137.0	9.1	9.5	11.3	17.1	11.9	9.7	8.9	8.9	9.9	12.4
G138.0	9.0	9.4	10.7	15.7	11.2	9.6	8.9	8.9	9.8	11.6
G139.0	9.0	9.3	10.4	14.5	10.6	9.5	8.8	8.8	9.8	11.0
G140.0	9.0	9.3	10.4	13.4	10.4	9.5	8.8	8.8	9.8	10.8
G141.0	9.0	9.3	10.3	12.4	10.4	9.4	8.9	8.8	9.8	10.8
G142.0	9.0	9.3	10.2	11.6	10.3	9.4	8.9	8.9	9.9	10.8
G143.0	9.1	9.3	10.2	11.1	10.3	9.4	9.0	8.9	9.9	10.8
G144.0	9.2	9.4	10.3	11.1	10.2	9.4	9.1	9.1	10.0	10.8
G145.0	9.2	9.4	10.3	11.1	10.3	9.5	9.2	9.2	10.0	10.8
G146.0	9.3	9.5	10.3	11.0	10.4	9.6	9.3	9.2	10.1	10.8
G147.0	9.4	9.5	10.4	11.0	10.4	9.6	9.4	9.3	10.1	10.8

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 23
Operator: HUA

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.580 m
Humidity: 88
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	9.5	9.6	10.4	11.0	10.4	9.7	9.5	9.4	10.1	10.8
G149.0	9.6	9.7	10.4	11.0	10.4	9.7	9.6	9.5	10.2	10.8
G150.0	9.6	9.7	10.5	11.0	10.4	9.8	9.7	9.6	10.2	10.8
G151.0	9.7	9.8	10.5	10.9	10.4	9.8	9.7	9.7	10.3	10.8
G152.0	9.8	9.8	10.5	10.9	10.5	9.9	9.8	9.8	10.3	10.8
G153.0	9.9	9.9	10.5	10.9	10.5	10.0	9.8	9.9	10.3	10.8
G154.0	10.0	10.0	10.6	10.9	10.5	10.0	9.9	9.9	10.4	10.8
G155.0	10.1	10.0	10.6	10.9	10.5	10.1	10.0	10.1	10.4	10.7
G156.0	10.2	10.1	10.6	10.9	10.5	10.1	10.1	10.1	10.5	10.8
G157.0	10.2	10.2	10.7	10.9	10.5	10.2	10.2	10.2	10.5	10.8
G158.0	10.3	10.2	10.7	10.8	10.6	10.3	10.3	10.3	10.5	10.8
G159.0	10.4	10.3	10.8	10.8	10.6	10.4	10.4	10.4	10.6	10.8
G160.0	10.4	10.3	10.8	10.8	10.6	10.4	10.4	10.4	10.6	10.8
G161.0	10.5	10.4	10.8	10.8	10.6	10.4	10.5	10.5	10.7	10.8
G162.0	10.5	10.4	10.8	10.9	10.7	10.4	10.6	10.6	10.7	10.9
G163.0	10.6	10.5	10.8	10.9	10.7	10.5	10.7	10.7	10.8	10.9
G164.0	10.6	10.5	10.9	10.9	10.7	10.6	10.8	10.8	10.8	10.9
G165.0	10.7	10.5	10.9	10.9	10.8	10.7	10.9	10.8	10.9	11.0
G166.0	10.8	10.5	10.9	10.9	10.8	10.7	11.0	10.9	10.9	11.0
G167.0	10.9	10.5	10.9	10.9	10.8	10.8	11.0	11.0	11.0	11.0
G168.0	10.9	10.6	10.9	11.0	10.8	10.8	11.1	11.0	11.0	11.1
G169.0	11.0	10.6	10.9	11.0	10.9	10.9	11.2	11.1	11.1	11.1
G170.0	11.1	10.7	10.9	11.0	10.9	10.9	11.3	11.1	11.1	11.2
G171.0	11.2	10.7	10.9	11.0	10.9	11.0	11.4	11.2	11.2	11.2
G172.0	11.3	10.8	10.9	11.1	11.0	11.0	11.5	11.2	11.2	11.3
G173.0	11.4	10.9	10.9	11.1	11.0	11.0	11.6	11.3	11.2	11.3
G174.0	11.4	11.0	10.9	11.1	11.0	11.1	11.6	11.4	11.3	11.3
G175.0	11.5	11.0	10.8	11.2	11.0	11.1	11.7	11.4	11.4	11.4
G176.0	11.6	11.1	10.8	11.2	11.0	11.2	11.7	11.5	11.4	11.4
G177.0	11.6	11.3	10.9	11.2	11.1	11.3	11.8	11.6	11.4	11.5
G178.0	11.7	11.3	11.0	11.3	11.2	11.3	11.8	11.6	11.4	11.6
G179.0	11.7	11.4	11.1	11.4	11.3	11.4	11.9	11.6	11.4	11.7
G180.0	11.8	11.5	11.3	11.5	11.4	11.4	11.8	11.6	11.3	11.5

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 23
Operator: HUA

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.580 m
Humidity: 88
Inspector:

Candlepower Table (Continue 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	944.1	942.7	952.5							
G1.0	943.0	941.9	952.0							
G2.0	941.7	940.5	950.9							
G3.0	940.0	938.8	949.5							
G4.0	937.9	936.6	947.6							
G5.0	935.5	934.2	945.3							
G6.0	932.8	931.2	942.5							
G7.0	929.7	927.8	939.2							
G8.0	926.3	924.2	935.6							
G9.0	922.4	920.2	931.7							
G10.0	918.2	915.7	927.3							
G11.0	913.8	910.8	922.6							
G12.0	909.1	905.7	917.4							
G13.0	904.1	900.2	911.6							
G14.0	898.7	894.2	905.8							
G15.0	893.2	887.8	899.5							
G16.0	887.0	881.2	892.8							
G17.0	881.0	874.4	885.8							
G18.0	874.2	867.1	878.3							
G19.0	867.9	859.5	870.8							
G20.0	860.5	851.4	862.9							
G21.0	853.6	843.4	854.2							
G22.0	845.8	834.9	845.4							
G23.0	838.3	825.8	836.7							
G24.0	830.2	817.1	827.3							
G25.0	821.8	807.9	818.1							
G26.0	813.5	798.1	808.0							
G27.0	805.2	788.3	798.2							
G28.0	795.9	778.2	787.6							
G29.0	787.3	768.1	777.7							
G30.0	778.1	757.6	766.5							
G31.0	768.8	747.0	755.6							
G32.0	759.3	735.9	744.5							
G33.0	749.2	724.9	733.2							
G34.0	739.6	713.9	721.7							
G35.0	729.5	702.2	710.1							
G36.0	719.4	690.9	697.8							

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 23
Operator: HUA

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.580 m
Humidity: 88
Inspector:

Candlepower Table (Continue 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	708.8	679.2	686.3							
G38.0	698.8	667.5	674.3							
G39.0	688.0	655.7	661.7							
G40.0	677.5	643.4	649.2							
G41.0	666.5	631.0	636.6							
G42.0	655.8	619.0	623.9							
G43.0	645.2	606.3	611.0							
G44.0	634.5	594.1	598.1							
G45.0	623.2	581.6	585.3							
G46.0	612.2	569.2	572.0							
G47.0	600.7	556.4	558.7							
G48.0	589.7	543.9	545.5							
G49.0	578.8	530.9	532.1							
G50.0	567.1	517.7	518.3							
G51.0	555.6	505.1	505.4							
G52.0	544.2	491.8	491.3							
G53.0	532.8	479.3	477.8							
G54.0	520.9	466.2	464.5							
G55.0	509.2	452.8	450.6							
G56.0	498.0	440.1	436.2							
G57.0	485.9	427.4	422.5							
G58.0	474.5	414.2	408.9							
G59.0	462.8	401.1	395.1							
G60.0	451.0	388.4	380.8							
G61.0	439.0	375.5	367.0							
G62.0	427.4	362.6	352.7							
G63.0	415.8	349.8	339.1							
G64.0	404.0	337.5	324.5							
G65.0	392.1	324.5	310.2							
G66.0	380.7	312.2	296.0							
G67.0	368.7	299.8	281.8							
G68.0	357.0	287.5	268.3							
G69.0	345.6	275.2	253.6							
G70.0	334.0	263.0	240.2							
G71.0	322.1	250.9	226.1							
G72.0	311.1	239.5	212.2							
G73.0	299.7	227.5	198.4							

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 23
Operator: HUA

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.580 m
Humidity: 88
Inspector:

Candlepower Table (Continue 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	288.7	215.9	185.0							
G75.0	277.1	204.7	171.9							
G76.0	266.6	193.7	158.6							
G77.0	255.9	182.6	144.8							
G78.0	244.9	172.1	132.9							
G79.0	234.8	162.1	119.9							
G80.0	225.1	152.1	108.3							
G81.0	215.4	142.6	96.6							
G82.0	206.3	133.5	85.4							
G83.0	197.4	125.1	75.2							
G84.0	188.7	117.0	65.7							
G85.0	180.8	109.8	56.9							
G86.0	173.1	102.9	49.3							
G87.0	165.8	96.4	42.7							
G88.0	158.7	90.6	37.6							
G89.0	152.3	85.3	34.0							
G90.0	145.7	80.4	31.8							
G91.0	139.8	75.7	30.6							
G92.0	133.9	70.9	29.6							
G93.0	128.4	66.4	28.6							
G94.0	122.8	62.2	27.7							
G95.0	117.5	57.9	26.9							
G96.0	112.0	53.9	26.1							
G97.0	106.8	49.9	25.3							
G98.0	101.7	46.2	24.6							
G99.0	96.7	43.1	23.8							
G100.0	91.7	40.4	23.1							
G101.0	86.9	38.0	22.4							
G102.0	82.0	35.7	21.7							
G103.0	77.6	33.5	21.0							
G104.0	72.9	31.4	20.4							
G105.0	68.7	29.6	19.8							
G106.0	64.7	27.8	19.2							
G107.0	61.1	26.1	18.6							
G108.0	58.0	24.5	18.0							
G109.0	54.8	22.9	17.4							
G110.0	51.6	21.5	16.9							

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 23
Operator: HUA

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.580 m
Humidity: 88
Inspector:

Candlepower Table (Continue 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	48.3	20.2	16.4							
G112.0	44.9	19.1	15.9							
G113.0	41.8	18.0	15.4							
G114.0	38.9	16.9	14.9							
G115.0	36.2	15.9	14.5							
G116.0	33.7	14.9	14.1							
G117.0	31.6	14.1	13.7							
G118.0	29.6	13.3	13.3							
G119.0	27.8	12.6	12.9							
G120.0	26.1	12.0	12.6							
G121.0	24.6	11.7	12.3							
G122.0	23.1	11.4	11.9							
G123.0	21.8	11.1	11.6							
G124.0	20.4	10.8	11.4							
G125.0	19.1	10.6	11.1							
G126.0	17.9	10.3	10.9							
G127.0	16.7	10.1	10.6							
G128.0	15.6	9.9	10.4							
G129.0	14.4	9.7	10.2							
G130.0	13.5	9.5	10.0							
G131.0	12.5	9.3	9.8							
G132.0	11.8	9.2	9.6							
G133.0	11.1	9.1	9.5							
G134.0	10.5	8.9	9.4							
G135.0	10.0	8.9	9.3							
G136.0	9.9	8.8	9.2							
G137.0	9.8	8.7	9.1							
G138.0	9.8	8.7	9.0							
G139.0	9.8	8.7	9.0							
G140.0	9.9	8.7	9.0							
G141.0	9.9	8.8	9.0							
G142.0	10.0	8.9	9.0							
G143.0	10.1	8.9	9.1							
G144.0	10.1	9.0	9.2							
G145.0	10.1	9.1	9.2							
G146.0	10.2	9.2	9.3							
G147.0	10.2	9.3	9.4							

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 23
Operator: HUA

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.580 m
Humidity: 88
Inspector:

Candlepower Table (Continue 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	10.3	9.4	9.5							
G149.0	10.3	9.5	9.6							
G150.0	10.4	9.6	9.6							
G151.0	10.4	9.7	9.7							
G152.0	10.4	9.7	9.8							
G153.0	10.5	9.8	9.9							
G154.0	10.5	9.9	10.0							
G155.0	10.5	10.0	10.1							
G156.0	10.6	10.1	10.2							
G157.0	10.6	10.1	10.2							
G158.0	10.6	10.2	10.3							
G159.0	10.7	10.3	10.4							
G160.0	10.7	10.3	10.4							
G161.0	10.8	10.4	10.5							
G162.0	10.8	10.4	10.5							
G163.0	10.8	10.4	10.6							
G164.0	10.8	10.5	10.6							
G165.0	10.9	10.5	10.7							
G166.0	11.0	10.5	10.8							
G167.0	11.0	10.6	10.9							
G168.0	11.0	10.6	10.9							
G169.0	11.0	10.7	11.0							
G170.0	11.1	10.8	11.1							
G171.0	11.1	10.9	11.2							
G172.0	11.1	11.0	11.3							
G173.0	10.9	11.1	11.4							
G174.0	11.0	11.2	11.4							
G175.0	11.0	11.3	11.5							
G176.0	11.1	11.3	11.6							
G177.0	11.2	11.4	11.6							
G178.0	11.3	11.4	11.7							
G179.0	11.4	11.5	11.7							
G180.0	11.4	11.4	11.8							

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 23
Operator: HUA

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.580 m
Humidity: 88
Inspector: