

Report No.: 2022

Test Time: 2022-07-01 18:23

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: LED

Luminaire Description: MX482H-40W-4FT

Lamp Description: 3500K

Luminous Width (mm): 65

Voltage: 119.8 V

Power: 38.83 W

Luminous Length (mm): 1200

Luminous Height (mm): 120

Current: 0.325 A

Power Factor: 0.996

Photometric Results

CIE Class: Direct

Measurement Flux: 5387.6 lm

Downward Ratio: 92%

Field Angle: H159.9 V218.9

Luminaire Efficacy Rating (LER): 139

Max. Intensity: 1582.18 cd

Total Rated Lamp Lumens: 5387.6 lm

Efficiency: 100%

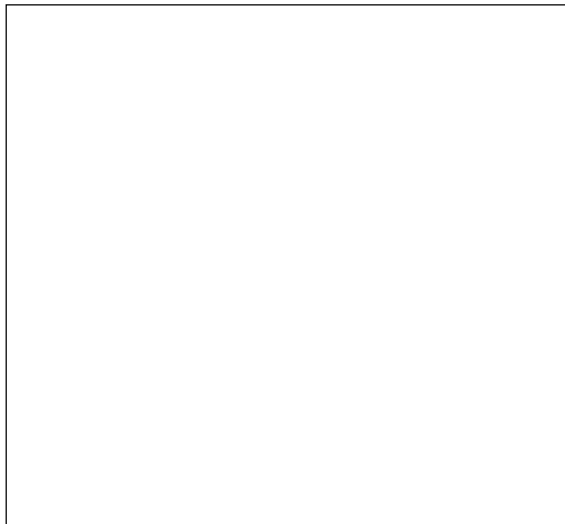
Upward Ratio: 8%

Beam Angle: H106.6 V128.6

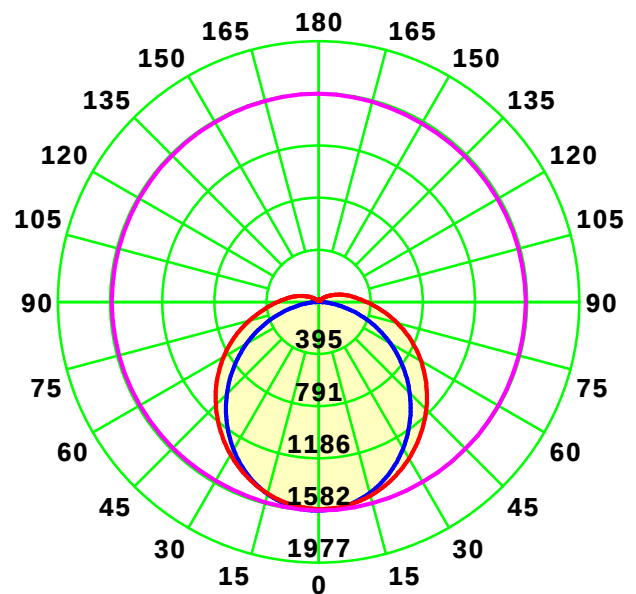
Central Intensity: 1582.17 cd

Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 117.6° Unit: cd

— C0-C180 — C90-C270 — G0

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

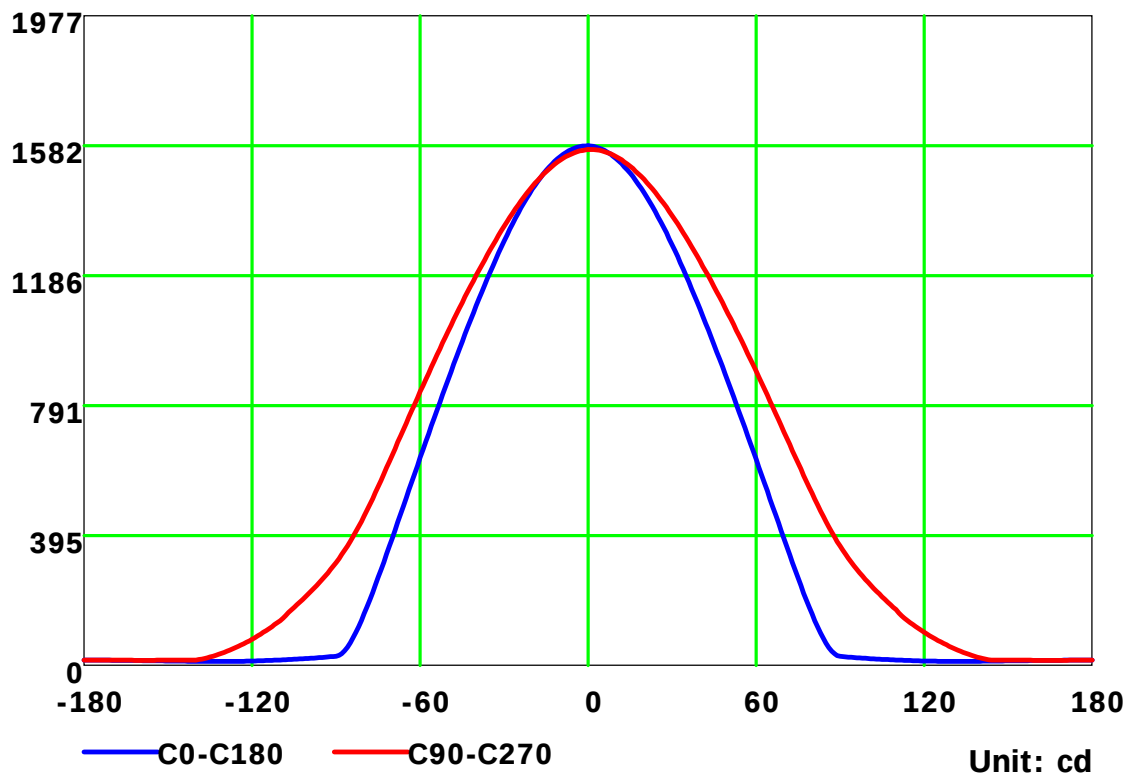
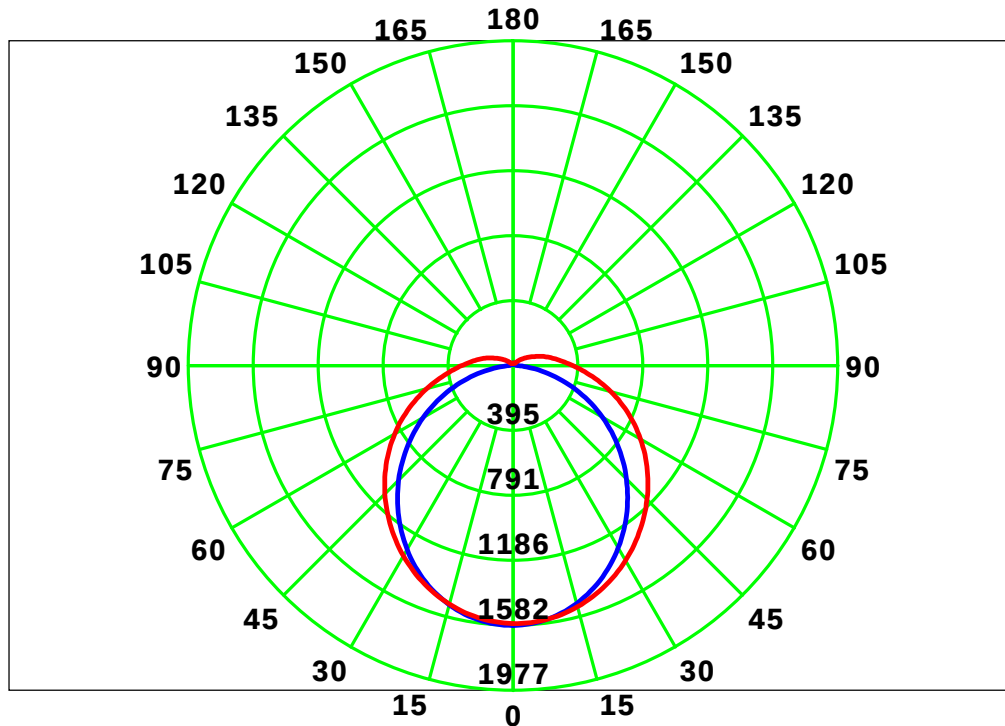
Test Device: GPM-1600L

Distance: 8.580 m

Humidity: 88

Inspector:

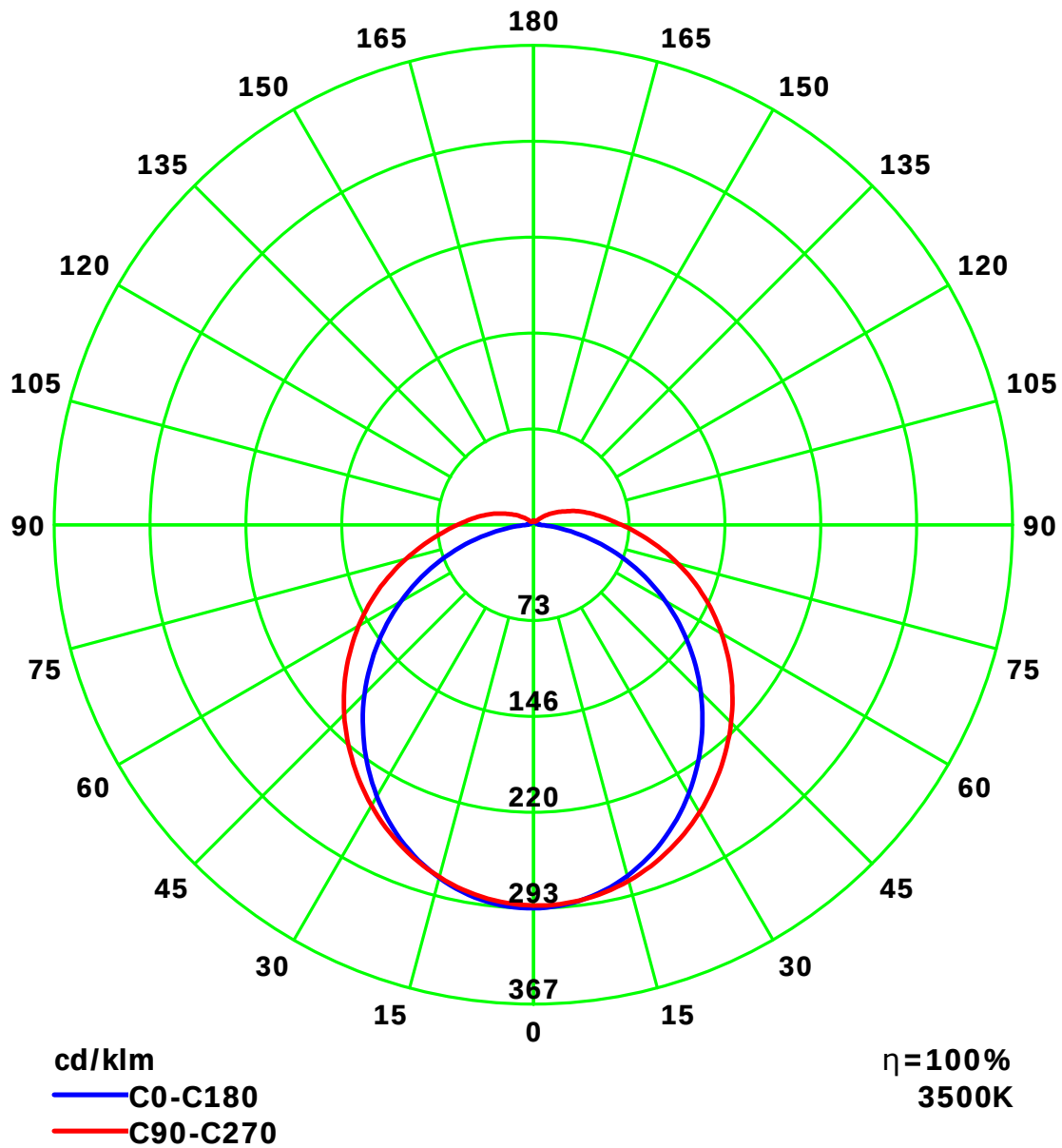
Luminous Intensity Distribution Curve



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:

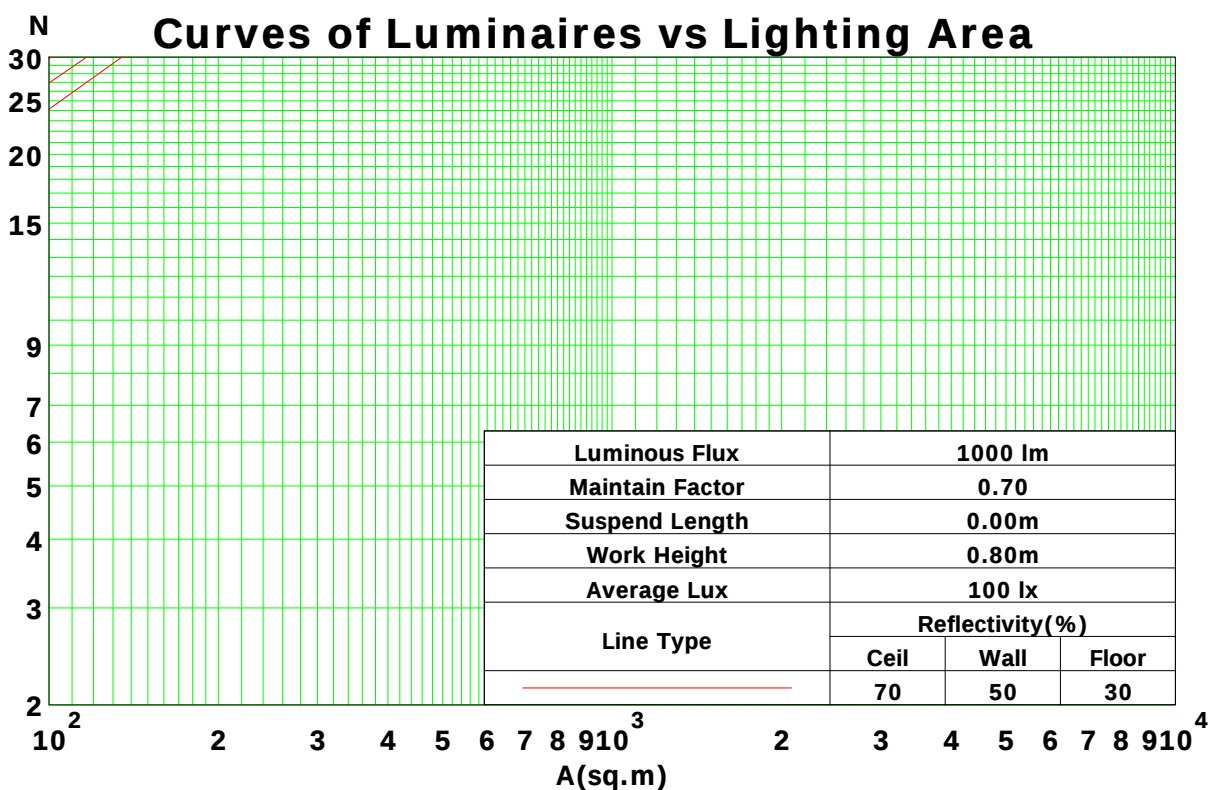
Coefficients Of Utilization - Zonal Cavity Method

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	100	100	100	95	95	95	92
1	105	100	95	90	101	96	92	88	91	87	84	85	82	80	80	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	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	43	69	57	49	42	54	47	41	51	45	40	49	43	38	36
6	67	53	44	37	64	51	43	37	49	41	36	46	40	35	44	38	34	31
7	62	48	39	33	59	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	34	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



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

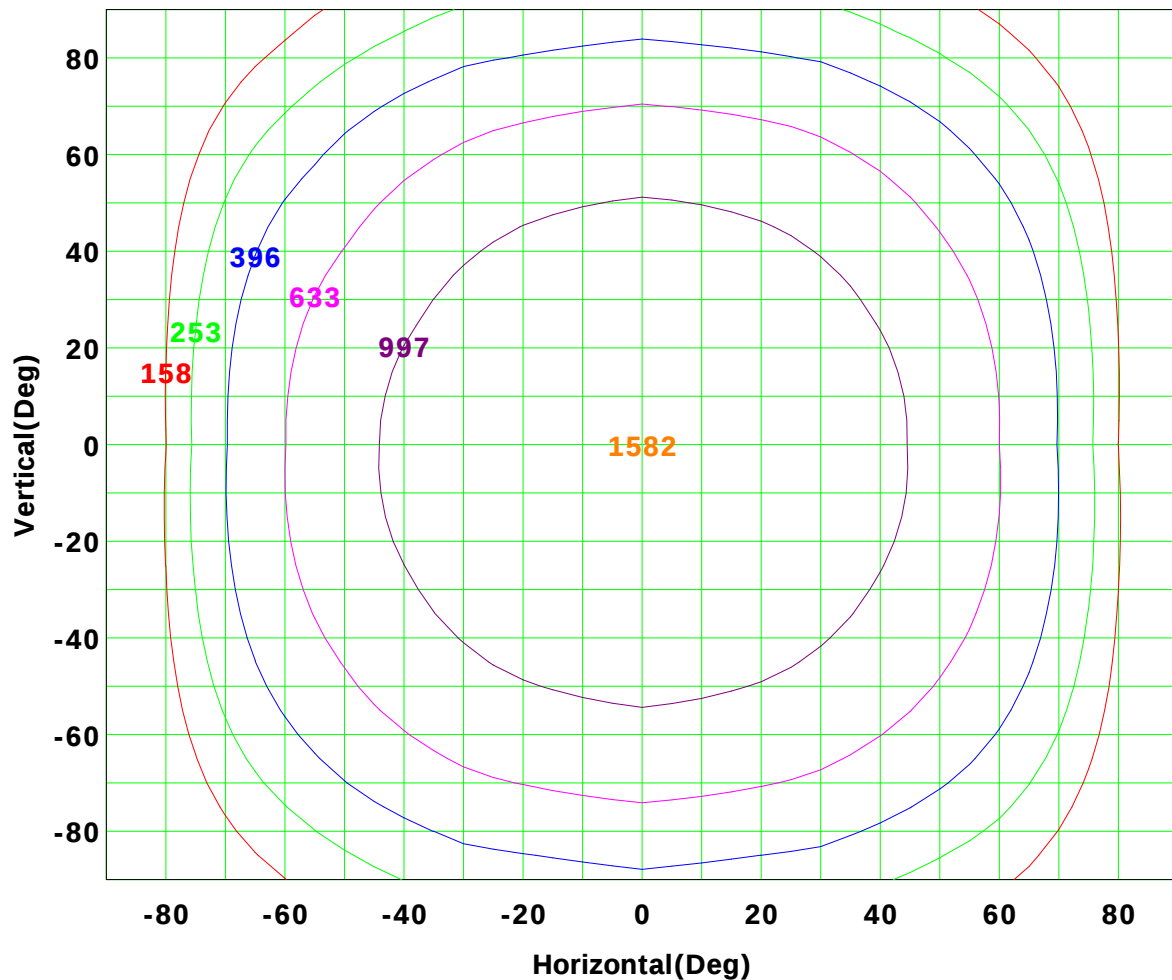
Test Device: GPM-1600L

Distance: 8.580 m

Humidity: 88

Inspector:

Isocandela (rectangle)



Imax (100%): 1582 cd

(10%): 158 cd	(16%): 253 cd
(25%): 396 cd	(40%): 633 cd
(63%): 997 cd	(100%): 1582 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

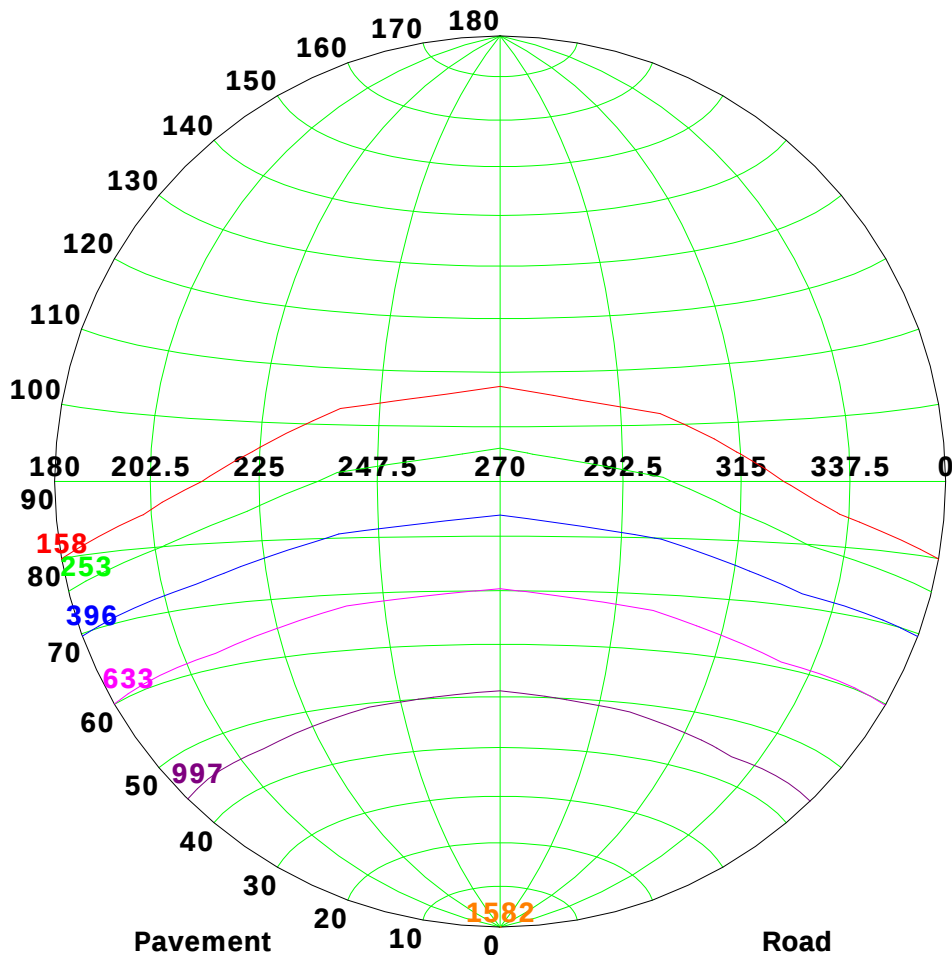
Test Device: GPM-1600L

Distance: 8.580 m

Humidity: 88

Inspector:

Isocandela (sphere)



Imax (100%): 1582 cd

(10%): 158 cd	(16%): 253 cd
(25%): 396 cd	(40%): 633 cd
(63%): 997 cd	(100%): 1582 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

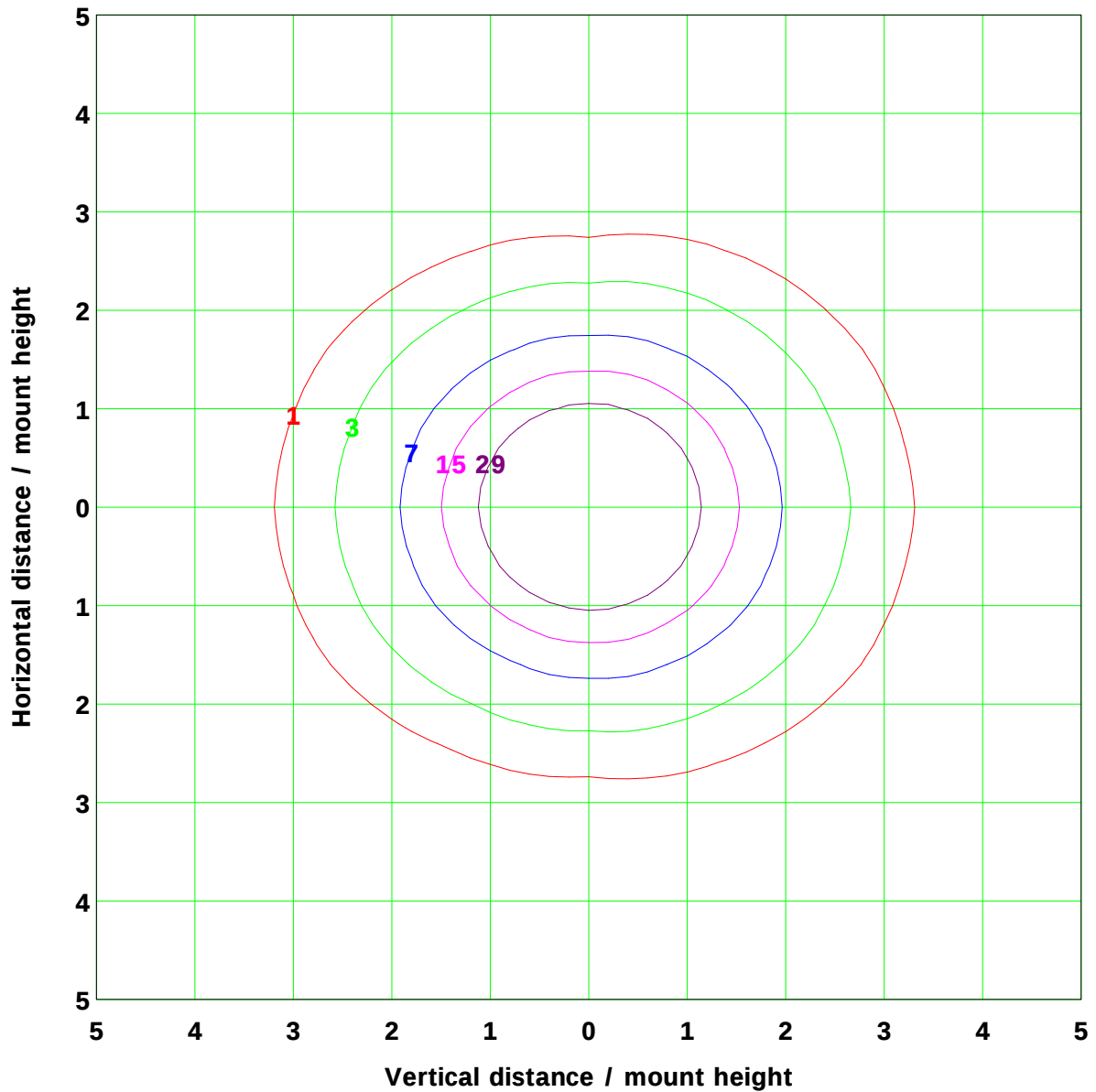
Test Device: GPM-1600L

Distance: 8.580 m

Humidity: 88

Inspector:

IsoLux Plot



Mounting Height: 3.3m Max Lux(100%): 145.3 lx

(1%): 1.5 lx	(2%): 2.9 lx
(5%): 7.3 lx	(10%): 14.5 lx
(20%): 29.1 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

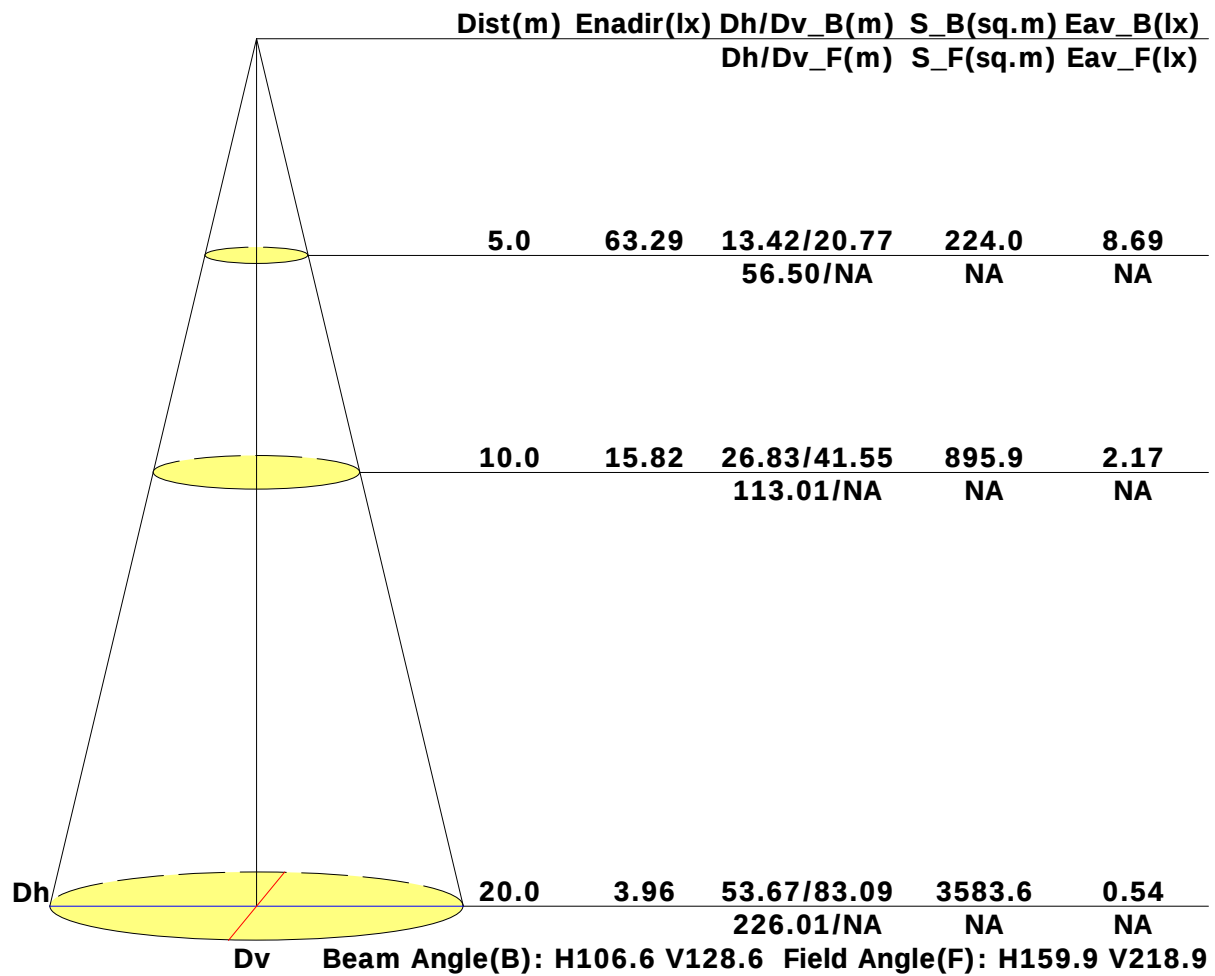
Test Device: GPM-1600L

Distance: 8.580 m

Humidity: 88

Inspector:

Illuminance at a Distance



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

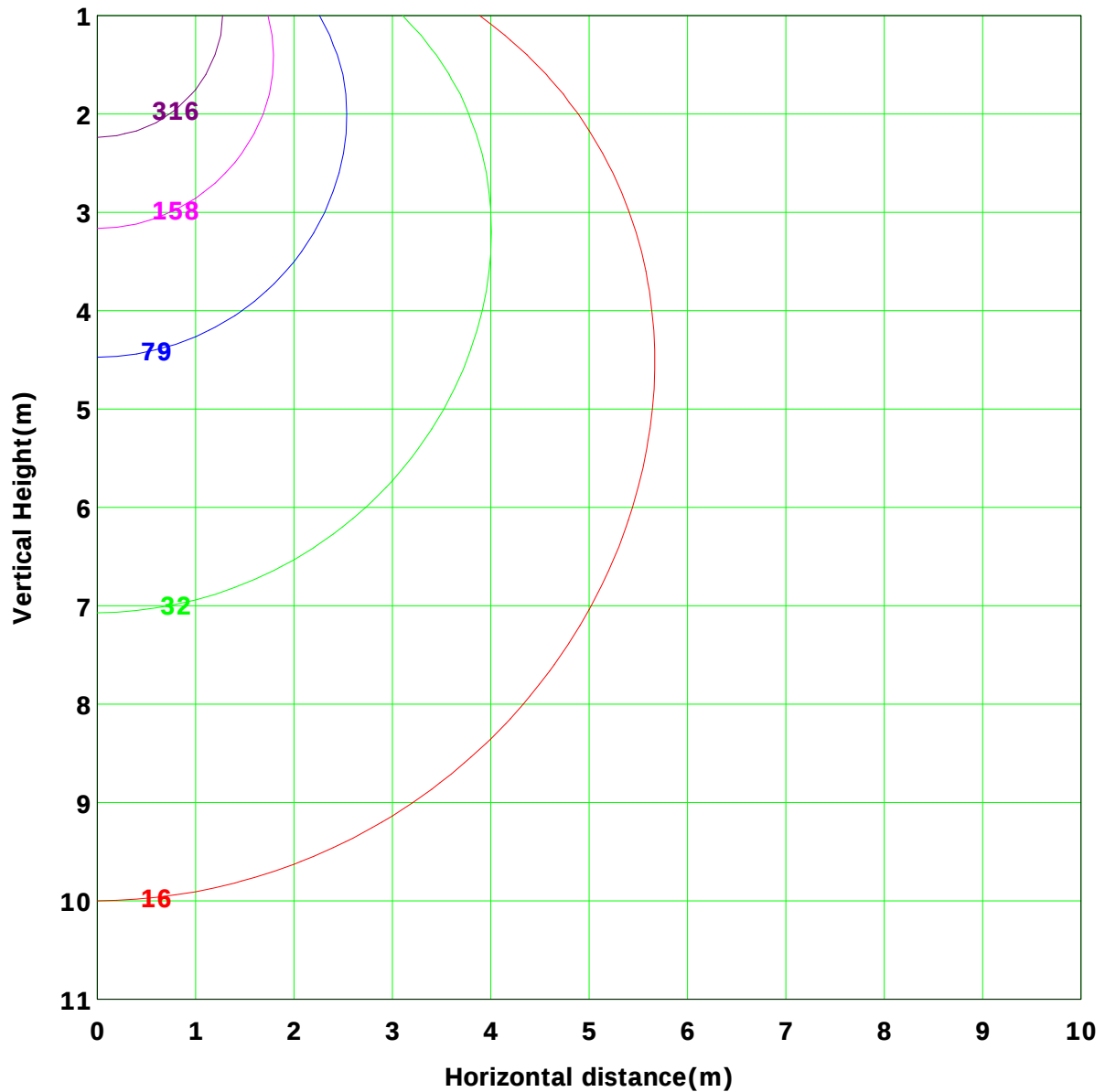
Test Device: GPM-1600L

Distance: 8.580 m

Humidity: 88

Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1582.2 lx

— (1%): 15.8 lx	— (2%): 31.6 lx
— (5%): 79.1 lx	— (10%): 158.2 lx
— (20%): 316.4 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

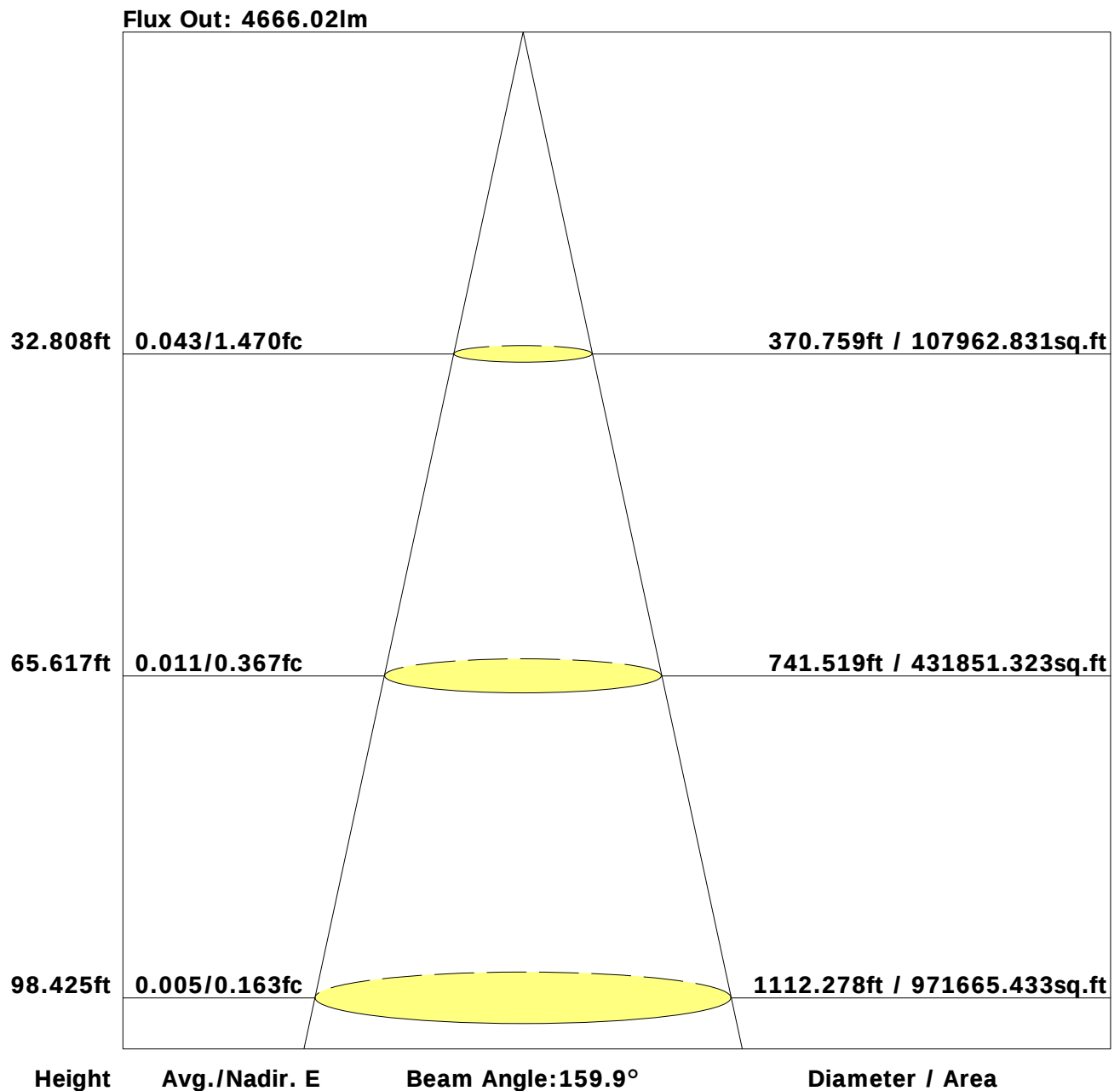
Unit: lm

		Orbit: inn																				
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90		
Vertical plane		-90	0.2	0.8	1.9	3.4	5.3	7.4	9.2	10.4	11.3	11.2	10.2	8.9	7.1	5.0	3.1	1.7	0.7	0.1	98.0	92.6
		-80	0.2	1.0	2.5	4.7	7.5	10.5	13.2	15.0	16.3	16.2	14.8	12.8	10.1	7.0	4.3	2.3	0.9	0.2	139.4	136.6
		-70	0.2	1.2	3.3	6.3	10.1	14.1	17.8	20.4	22.0	21.9	20.1	17.4	13.6	9.5	5.8	3.0	1.1	0.2	188.2	186.6
		-60	0.2	1.5	4.1	8.0	12.7	17.7	22.4	25.7	27.7	27.6	25.4	21.9	17.2	12.1	7.4	3.9	1.4	0.2	237.3	236.3
		-50	0.2	1.7	4.9	9.5	15.1	21.2	26.7	30.8	33.1	33.0	30.5	26.2	20.6	14.5	9.0	4.7	1.6	0.2	283.8	283.0
		-40	0.3	2.0	5.7	11.0	17.3	24.2	30.6	35.4	38.0	37.9	35.0	30.0	23.6	16.7	10.5	5.4	1.9	0.2	325.6	324.9
		-30	0.3	2.1	6.2	12.1	19.2	26.7	33.8	39.3	42.1	42.0	38.9	33.2	26.0	18.7	11.8	6.0	2.1	0.3	360.8	360.3
		-20	0.3	2.2	6.6	12.9	20.6	28.7	36.3	42.1	45.3	45.1	41.6	35.6	28.1	20.2	12.6	6.4	2.2	0.3	387.0	386.5
		-10	0.3	2.2	6.7	13.2	21.2	29.7	37.7	43.8	47.1	46.8	43.4	37.3	29.4	20.9	13.1	6.6	2.2	0.3	401.9	401.4
		0	0.3	2.3	6.7	13.3	21.3	29.8	37.8	43.8	47.0	47.2	43.8	37.5	29.6	21.1	13.2	6.7	2.2	0.3	403.8	403.2
		10	0.3	2.3	6.7	13.1	20.8	29.0	36.5	42.4	45.6	45.7	42.4	36.4	28.8	20.6	12.9	6.6	2.2	0.3	392.5	392.0
		20	0.3	2.2	6.4	12.5	19.7	27.3	34.4	39.9	42.9	42.9	39.8	34.2	27.0	19.4	12.3	6.3	2.2	0.3	369.9	369.4
		30	0.3	2.1	5.9	11.5	18.0	25.0	31.5	36.4	39.1	39.0	36.3	31.3	24.7	17.7	11.2	5.8	2.0	0.3	338.0	337.4
		40	0.2	1.9	5.3	10.2	16.0	22.2	27.9	32.1	34.5	34.5	32.0	27.7	21.9	15.7	9.9	5.1	1.8	0.2	299.1	298.4
		50	0.2	1.6	4.6	8.7	13.7	19.0	23.8	27.3	29.4	29.4	27.2	23.6	18.7	13.3	8.4	4.3	1.5	0.2	255.1	254.2
		60	0.2	1.4	3.7	7.1	11.2	15.5	19.4	22.2	24.0	24.0	22.1	19.2	15.2	10.8	6.8	3.5	1.3	0.2	207.7	206.5
		70	0.2	1.1	2.9	5.5	8.6	11.9	14.9	16.9	18.4	18.3	16.8	14.7	11.6	8.2	5.2	2.7	1.0	0.2	159.1	157.1
		80	0.2	0.9	2.2	4.0	6.2	8.6	10.6	12.0	13.0	13.0	11.9	10.4	8.4	5.9	3.8	2.0	0.8	0.2	114.2	110.6
Flux(T)		4.1	30.3	86.3	167.1	264.6	368.6	464.4	536.1	576.9	575.6	532.2	458.5	361.5	257.5	161.3	83.1	29.2	4.0	4961		
Flux(E)		0.0	25.3	84.2	167.0	264.6	368.6	464.4	536.1	576.9	575.6	532.2	458.5	361.5	257.5	160.8	80.1	23.7	0.0		4937	
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
		Horizontal plane																				

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

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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	12.5	14.1	13.0	14.5	15.0	12.1	13.6	12.6	14.1	14.6
3H	14.3	15.7	14.8	16.2	16.7	14.0	15.4	14.5	15.9	16.4
4H	14.9	16.3	15.5	16.8	17.3	14.8	16.1	15.3	16.6	17.2
6H	15.4	16.6	15.9	17.1	17.7	15.6	16.8	16.1	17.3	17.9
8H	15.5	16.7	16.1	17.2	17.8	15.9	17.0	16.4	17.6	18.2
12H	15.6	16.7	16.1	17.3	17.9	16.2	17.3	16.7	17.8	18.4
X=4H Y=2H	13.0	14.3	13.5	14.8	15.3	12.7	14.0	13.2	14.5	15.0
3H	14.9	16.0	15.4	16.5	17.1	14.8	15.9	15.4	16.5	17.1
4H	15.6	16.7	16.2	17.2	17.8	15.8	16.8	16.3	17.4	18.0
6H	16.2	17.1	16.8	17.7	18.3	16.7	17.6	17.2	18.2	18.8
8H	16.4	17.2	17.0	17.8	18.4	17.1	17.9	17.6	18.5	19.1
12H	16.5	17.3	17.1	17.9	18.5	17.5	18.2	18.1	18.8	19.5
X=8H Y=4H	15.9	16.8	16.5	17.3	18.0	16.1	17.0	16.7	17.5	18.2
6H	16.6	17.3	17.2	17.9	18.6	17.1	17.9	17.8	18.5	19.2
8H	16.8	17.5	17.5	18.1	18.8	17.7	18.3	18.3	19.0	19.6
12H	17.0	17.6	17.7	18.2	19.0	18.2	18.8	18.8	19.4	20.1
X=12H Y=4H	15.9	16.7	16.5	17.3	18.0	16.1	16.9	16.7	17.5	18.2
6H	16.7	17.3	17.3	17.9	18.6	17.3	17.9	17.9	18.5	19.2
8H	17.0	17.6	17.6	18.2	18.9	17.8	18.4	18.4	19.0	19.8

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

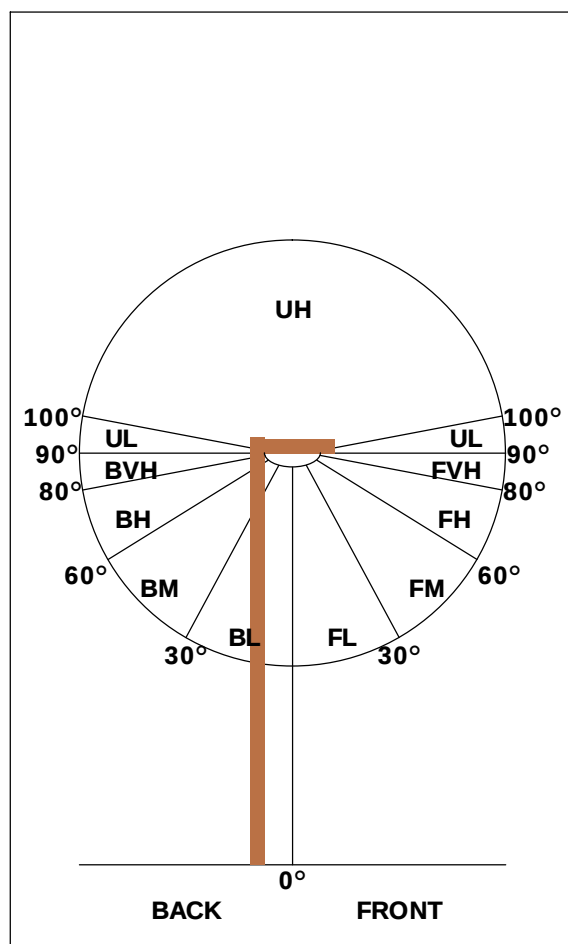
Gamma Plane (°): 0.0-180.0: 1.0

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	2463	45.7
FL (0°-30°)	605	11.2
FM (30°-60°)	1167	21.7
FH (60°-80°)	547	10.1
FVH (80°-90°)	144	2.7
BACK LIGHT	2499	46.4
BL (0°-30°)	608	11.3
BM (30°-60°)	1181	21.9
BH (60°-80°)	560	10.4
BVH (80°-90°)	149	2.8
UP LIGHT	426	7.9
UL (90°-100°)	183	3.4
UH (100°-180°)	242	4.5
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

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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		0.43	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	0.74	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	0.72	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	0.50	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	0.81	
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:39W 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	0.36	0.29	0.25	
	0.20		0.74	0.65	0.58	0.52	0.44	0.38	0.34	0.28	0.24	
0.50	0.50	0.20	0.98	0.82	0.71	0.62	0.51	0.46	0.37	0.29	0.25	
	0.30		0.83	0.71	0.63	0.56	0.46	0.40	0.35	0.28	0.23	
	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	0.68	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:39W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

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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	0.26	0.26	0.27	0.28	0.28	0.29	0.29	0.30	
	0.30		0.17	0.19	0.20	0.21	0.23	0.24	0.25	0.26	0.27	
	0.20		0.12	0.14	0.15	0.16	0.18	0.20	0.21	0.22	0.24	
0.50	0.50	0.20	0.23	0.25	0.25	0.26	0.27	0.27	0.28	0.28	0.28	
	0.30		0.17	0.18	0.20	0.20	0.22	0.23	0.24	0.25	0.26	
	0.20		0.12	0.13	0.15	0.16	0.18	0.19	0.20	0.22	0.23	
0.30	0.50	0.20	0.23	0.24	0.25	0.25	0.26	0.26	0.27	0.27	0.27	
	0.30		0.17	0.18	0.19	0.20	0.21	0.22	0.23	0.24	0.25	
	0.20		0.12	0.13	0.15	0.16	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:39W 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 [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	1572.2	1.5	1.5	0.03	0.03
1.0-2.0	1571.6	4.5	6.0	0.08	0.11
2.0-3.0	1570.3	7.5	13.5	0.14	0.25
3.0-4.0	1568.4	10.5	24.0	0.19	0.45
4.0-5.0	1566.0	13.5	37.5	0.25	0.70
5.0-6.0	1562.9	16.4	53.9	0.30	1.00
6.0-7.0	1559.2	19.4	73.3	0.36	1.36
7.0-8.0	1554.8	22.3	95.5	0.41	1.77
8.0-9.0	1549.9	25.1	120.7	0.47	2.24
9.0-10.0	1544.4	28.0	148.6	0.52	2.76
10.0-11.0	1538.3	30.7	179.4	0.57	3.33
11.0-12.0	1531.6	33.5	212.8	0.62	3.95
12.0-13.0	1524.3	36.2	249.0	0.67	4.62
13.0-14.0	1516.5	38.8	287.8	0.72	5.34
14.0-15.0	1508.2	41.4	329.3	0.77	6.11
15.0-16.0	1499.3	43.9	373.2	0.82	6.93
16.0-17.0	1489.8	46.4	419.6	0.86	7.79
17.0-18.0	1479.9	48.8	468.4	0.91	8.69
18.0-19.0	1469.5	51.1	519.5	0.95	9.64
19.0-20.0	1458.5	53.4	572.9	0.99	10.63
20.0-21.0	1447.1	55.6	628.5	1.03	11.67
21.0-22.0	1435.2	57.7	686.2	1.07	12.74
22.0-23.0	1422.8	59.7	745.9	1.11	13.84
23.0-24.0	1410.0	61.7	807.5	1.14	14.99
24.0-25.0	1396.9	63.5	871.1	1.18	16.17
25.0-26.0	1383.3	65.3	936.4	1.21	17.38
26.0-27.0	1369.2	67.0	1003.4	1.24	18.62
27.0-28.0	1354.7	68.6	1071.9	1.27	19.90
28.0-29.0	1340.0	70.1	1142.1	1.30	21.20
29.0-30.0	1324.7	71.5	1213.6	1.33	22.53
30.0-31.0	1309.1	72.9	1286.5	1.35	23.88
31.0-32.0	1293.2	74.1	1360.6	1.38	25.25
32.0-33.0	1277.1	75.2	1435.8	1.40	26.65
33.0-34.0	1260.5	76.3	1512.1	1.42	28.07
34.0-35.0	1243.6	77.2	1589.3	1.43	29.50
35.0-36.0	1226.5	78.1	1667.4	1.45	30.95

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 [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	1209.1	78.9	1746.3	1.46	32.41
37.0-38.0	1191.4	79.5	1825.8	1.48	33.89
38.0-39.0	1173.6	80.1	1906.0	1.49	35.38
39.0-40.0	1155.4	80.6	1986.6	1.50	36.87
40.0-41.0	1136.9	81.0	2067.5	1.50	38.38
41.0-42.0	1118.5	81.3	2148.8	1.51	39.88
42.0-43.0	1099.8	81.5	2230.3	1.51	41.40
43.0-44.0	1080.9	81.6	2311.9	1.51	42.91
44.0-45.0	1061.9	81.6	2393.5	1.51	44.43
45.0-46.0	1042.6	81.5	2475.0	1.51	45.94
46.0-47.0	1023.1	81.4	2556.4	1.51	47.45
47.0-48.0	1003.6	81.1	2637.6	1.51	48.96
48.0-49.0	983.9	80.8	2718.4	1.50	50.46
49.0-50.0	963.9	80.4	2798.8	1.49	51.95
50.0-51.0	944.0	79.9	2878.6	1.48	53.43
51.0-52.0	923.9	79.3	2957.9	1.47	54.90
52.0-53.0	903.6	78.6	3036.5	1.46	56.36
53.0-54.0	883.3	77.9	3114.4	1.45	57.81
54.0-55.0	863.0	77.0	3191.4	1.43	59.24
55.0-56.0	842.5	76.1	3267.6	1.41	60.65
56.0-57.0	821.9	75.2	3342.7	1.39	62.05
57.0-58.0	801.2	74.1	3416.8	1.38	63.42
58.0-59.0	780.5	73.0	3489.8	1.35	64.78
59.0-60.0	759.9	71.8	3561.6	1.33	66.11
60.0-61.0	739.2	70.6	3632.2	1.31	67.42
61.0-62.0	718.3	69.2	3701.4	1.28	68.70
62.0-63.0	697.5	67.9	3769.2	1.26	69.96
63.0-64.0	676.8	66.4	3835.7	1.23	71.20
64.0-65.0	656.0	64.9	3900.6	1.21	72.40
65.0-66.0	635.1	63.4	3964.0	1.18	73.58
66.0-67.0	614.3	61.8	4025.8	1.15	74.72
67.0-68.0	593.6	60.1	4085.9	1.12	75.84
68.0-69.0	573.0	58.5	4144.4	1.09	76.92
69.0-70.0	552.3	56.7	4201.1	1.05	77.98
70.0-71.0	531.8	55.0	4256.1	1.02	79.00
71.0-72.0	511.5	53.2	4309.2	0.99	79.99

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 [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	491.1	51.4	4360.6	0.95	80.94
73.0-74.0	470.9	49.5	4410.1	0.92	81.86
74.0-75.0	451.1	47.7	4457.8	0.88	82.74
75.0-76.0	431.5	45.8	4503.6	0.85	83.59
76.0-77.0	412.0	43.9	4547.5	0.82	84.41
77.0-78.0	392.8	42.1	4589.6	0.78	85.19
78.0-79.0	374.0	40.2	4629.8	0.75	85.93
79.0-80.0	355.8	38.4	4668.1	0.71	86.65
80.0-81.0	338.0	36.6	4704.7	0.68	87.33
81.0-82.0	320.6	34.8	4739.5	0.65	87.97
82.0-83.0	303.9	33.0	4772.5	0.61	88.58
83.0-84.0	288.0	31.4	4803.9	0.58	89.17
84.0-85.0	272.9	29.8	4833.7	0.55	89.72
85.0-86.0	258.6	28.3	4861.9	0.52	90.24
86.0-87.0	245.2	26.8	4888.8	0.50	90.74
87.0-88.0	232.9	25.5	4914.3	0.47	91.22
88.0-89.0	221.7	24.3	4938.6	0.45	91.67
89.0-90.0	211.5	23.2	4961.8	0.43	92.10
90.0-91.0	202.3	22.2	4984.0	0.41	92.51
91.0-92.0	193.7	21.2	5005.2	0.39	92.90
92.0-93.0	185.6	20.3	5025.6	0.38	93.28
93.0-94.0	177.9	19.5	5045.0	0.36	93.64
94.0-95.0	170.5	18.6	5063.7	0.35	93.99
95.0-96.0	163.4	17.8	5081.5	0.33	94.32
96.0-97.0	156.6	17.1	5098.6	0.32	94.64
97.0-98.0	150.0	16.3	5114.9	0.30	94.94
98.0-99.0	143.6	15.6	5130.4	0.29	95.23
99.0-100.0	137.4	14.9	5145.3	0.28	95.50
100.0-101.0	131.4	14.2	5159.5	0.26	95.77
101.0-102.0	125.6	13.5	5173.0	0.25	96.02
102.0-103.0	119.9	12.8	5185.8	0.24	96.26
103.0-104.0	114.4	12.2	5198.0	0.23	96.48
104.0-105.0	108.9	11.6	5209.6	0.21	96.70
105.0-106.0	103.3	10.9	5220.5	0.20	96.90
106.0-107.0	97.8	10.3	5230.8	0.19	97.09
107.0-108.0	92.4	9.7	5240.4	0.18	97.27

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 [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	87.0	9.0	5249.5	0.17	97.44
109.0-110.0	82.0	8.5	5257.9	0.16	97.59
110.0-111.0	77.3	7.9	5265.9	0.15	97.74
111.0-112.0	72.8	7.4	5273.3	0.14	97.88
112.0-113.0	68.8	7.0	5280.3	0.13	98.01
113.0-114.0	65.1	6.6	5286.8	0.12	98.13
114.0-115.0	61.6	6.1	5293.0	0.11	98.24
115.0-116.0	58.2	5.8	5298.7	0.11	98.35
116.0-117.0	55.0	5.4	5304.1	0.10	98.45
117.0-118.0	51.9	5.0	5309.2	0.09	98.55
118.0-119.0	49.0	4.7	5313.9	0.09	98.63
119.0-120.0	46.2	4.4	5318.3	0.08	98.71
120.0-121.0	43.6	4.1	5322.4	0.08	98.79
121.0-122.0	41.2	3.9	5326.3	0.07	98.86
122.0-123.0	38.9	3.6	5329.9	0.07	98.93
123.0-124.0	36.8	3.4	5333.2	0.06	98.99
124.0-125.0	34.7	3.1	5336.4	0.06	99.05
125.0-126.0	32.8	2.9	5339.3	0.05	99.10
126.0-127.0	31.0	2.7	5342.0	0.05	99.16
127.0-128.0	29.3	2.5	5344.6	0.05	99.20
128.0-129.0	27.6	2.4	5346.9	0.04	99.25
129.0-130.0	26.0	2.2	5349.2	0.04	99.29
130.0-131.0	24.5	2.0	5351.2	0.04	99.33
131.0-132.0	23.1	1.9	5353.1	0.04	99.36
132.0-133.0	21.8	1.8	5354.9	0.03	99.39
133.0-134.0	20.5	1.6	5356.5	0.03	99.42
134.0-135.0	19.4	1.5	5358.0	0.03	99.45
135.0-136.0	18.4	1.4	5359.4	0.03	99.48
136.0-137.0	17.6	1.3	5360.8	0.02	99.50
137.0-138.0	16.9	1.3	5362.0	0.02	99.53
138.0-139.0	16.3	1.2	5363.2	0.02	99.55
139.0-140.0	15.9	1.1	5364.3	0.02	99.57
140.0-141.0	15.6	1.1	5365.4	0.02	99.59
141.0-142.0	15.5	1.1	5366.5	0.02	99.61
142.0-143.0	15.4	1.0	5367.5	0.02	99.63
143.0-144.0	15.3	1.0	5368.5	0.02	99.65

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 [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	15.3	1.0	5369.5	0.02	99.66
145.0-146.0	15.4	1.0	5370.4	0.02	99.68
146.0-147.0	15.4	0.9	5371.4	0.02	99.70
147.0-148.0	15.5	0.9	5372.3	0.02	99.72
148.0-149.0	15.5	0.9	5373.2	0.02	99.73
149.0-150.0	15.6	0.9	5374.0	0.02	99.75
150.0-151.0	15.6	0.8	5374.9	0.02	99.76
151.0-152.0	15.7	0.8	5375.7	0.02	99.78
152.0-153.0	15.7	0.8	5376.5	0.01	99.79
153.0-154.0	15.8	0.8	5377.3	0.01	99.81
154.0-155.0	15.8	0.7	5378.0	0.01	99.82
155.0-156.0	15.8	0.7	5378.7	0.01	99.84
156.0-157.0	15.9	0.7	5379.4	0.01	99.85
157.0-158.0	15.9	0.7	5380.1	0.01	99.86
158.0-159.0	16.0	0.6	5380.7	0.01	99.87
159.0-160.0	16.0	0.6	5381.4	0.01	99.88
160.0-161.0	16.1	0.6	5381.9	0.01	99.90
161.0-162.0	16.1	0.6	5382.5	0.01	99.91
162.0-163.0	16.2	0.5	5383.0	0.01	99.92
163.0-164.0	16.2	0.5	5383.5	0.01	99.93
164.0-165.0	16.3	0.5	5384.0	0.01	99.93
165.0-166.0	16.3	0.4	5384.5	0.01	99.94
166.0-167.0	16.4	0.4	5384.9	0.01	99.95
167.0-168.0	16.4	0.4	5385.3	0.01	99.96
168.0-169.0	16.5	0.4	5385.6	0.01	99.96
169.0-170.0	16.5	0.3	5386.0	0.01	99.97
170.0-171.0	16.5	0.3	5386.3	0.01	99.98
171.0-172.0	16.6	0.3	5386.5	0.00	99.98
172.0-173.0	16.6	0.2	5386.8	0.00	99.99
173.0-174.0	16.6	0.2	5387.0	0.00	99.99
174.0-175.0	16.7	0.2	5387.2	0.00	99.99
175.0-176.0	16.7	0.1	5387.3	0.00	100.00
176.0-177.0	16.7	0.1	5387.4	0.00	100.00
177.0-178.0	16.7	0.1	5387.5	0.00	100.00
178.0-179.0	16.7	0.0	5387.5	0.00	100.00
179.0-180.0	16.7	0.0	5387.6	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	1582.2	1576.6	1573.3	1570.6	1567.4	1564.0	1582.2	1576.6	1573.3	1570.6
G1.0	1581.5	1576.3	1573.2	1570.8	1567.9	1564.1	1582.1	1576.4	1572.6	1569.8
G2.0	1580.3	1575.2	1572.6	1570.7	1567.7	1563.8	1581.5	1575.3	1571.3	1568.5
G3.0	1578.1	1573.7	1571.6	1569.8	1566.8	1562.6	1580.0	1573.6	1569.5	1566.7
G4.0	1575.2	1571.2	1569.8	1568.6	1565.3	1560.8	1577.8	1571.3	1567.3	1564.1
G5.0	1571.7	1568.4	1567.6	1566.7	1563.4	1558.4	1574.9	1568.2	1564.4	1561.2
G6.0	1567.6	1564.9	1564.8	1564.4	1560.9	1555.3	1571.2	1564.5	1560.7	1557.8
G7.0	1562.6	1560.6	1561.2	1561.4	1557.8	1551.5	1566.8	1560.3	1556.8	1553.8
G8.0	1557.1	1555.6	1557.4	1558.1	1554.1	1547.1	1561.7	1555.3	1552.2	1549.5
G9.0	1550.8	1549.9	1552.8	1554.1	1549.7	1542.3	1556.1	1549.7	1547.1	1544.3
G10.0	1543.8	1544.0	1548.0	1549.7	1545.3	1536.6	1549.9	1543.2	1541.3	1538.7
G11.0	1536.3	1536.9	1542.3	1544.7	1539.9	1530.3	1542.5	1536.5	1535.0	1532.8
G12.0	1528.1	1529.5	1536.1	1539.6	1534.2	1523.4	1534.7	1528.9	1528.1	1526.4
G13.0	1518.8	1521.5	1529.5	1533.3	1527.7	1515.9	1526.1	1520.6	1521.0	1519.2
G14.0	1509.4	1512.8	1522.3	1527.2	1520.5	1507.7	1517.3	1512.0	1513.0	1511.8
G15.0	1499.6	1503.5	1514.7	1520.1	1513.5	1499.7	1507.7	1502.6	1504.7	1503.9
G16.0	1488.7	1493.9	1506.8	1513.2	1505.4	1489.9	1497.0	1492.5	1495.8	1495.7
G17.0	1477.1	1483.4	1497.7	1505.2	1497.2	1480.2	1485.8	1482.1	1486.5	1486.9
G18.0	1465.2	1472.8	1488.9	1497.2	1488.3	1470.0	1474.7	1470.9	1476.8	1477.7
G19.0	1452.8	1461.2	1479.2	1488.9	1479.1	1459.0	1462.3	1459.2	1466.7	1468.4
G20.0	1439.8	1449.3	1469.3	1480.1	1469.2	1447.7	1450.0	1446.8	1455.7	1458.0
G21.0	1426.3	1436.9	1458.7	1470.6	1459.1	1435.6	1436.1	1434.3	1444.8	1447.9
G22.0	1412.3	1423.8	1447.9	1460.7	1448.5	1423.0	1422.6	1421.1	1433.1	1437.1
G23.0	1397.2	1410.1	1436.9	1450.8	1437.7	1410.3	1407.9	1407.1	1421.2	1425.9
G24.0	1382.0	1396.6	1425.1	1440.2	1426.3	1396.7	1393.5	1393.2	1408.6	1414.3
G25.0	1366.5	1382.2	1413.5	1429.7	1414.7	1383.5	1377.6	1378.3	1395.9	1402.3
G26.0	1351.2	1367.2	1400.9	1418.2	1402.1	1368.9	1362.0	1363.8	1383.0	1390.4
G27.0	1334.2	1352.0	1388.2	1406.9	1389.7	1354.2	1345.1	1347.8	1369.0	1377.6
G28.0	1317.2	1336.7	1375.1	1395.2	1376.8	1339.1	1328.4	1332.1	1355.4	1364.9
G29.0	1299.4	1320.4	1361.9	1383.0	1364.0	1324.0	1311.0	1315.6	1341.1	1351.4
G30.0	1281.3	1304.0	1347.9	1370.5	1350.1	1307.7	1293.5	1298.8	1326.8	1338.1
G31.0	1263.6	1287.3	1333.8	1358.0	1336.3	1291.6	1274.7	1281.0	1311.0	1324.3
G32.0	1245.1	1269.8	1319.2	1344.8	1321.9	1274.7	1256.6	1263.9	1296.2	1310.2
G33.0	1226.3	1252.9	1304.9	1331.8	1307.9	1258.3	1237.6	1245.5	1281.2	1295.3
G34.0	1207.1	1234.7	1289.9	1317.8	1293.1	1240.5	1217.8	1227.8	1265.6	1280.7
G35.0	1187.3	1216.8	1274.1	1304.1	1277.9	1223.8	1198.0	1209.7	1248.9	1265.7
G36.0	1167.4	1198.3	1259.3	1289.7	1262.9	1205.4	1178.4	1190.6	1232.6	1250.3

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	1147.5	1179.5	1242.9	1275.5	1247.1	1187.4	1158.5	1171.5	1215.4	1235.3
G38.0	1126.9	1160.6	1226.6	1260.8	1231.4	1169.0	1137.8	1152.0	1198.8	1219.7
G39.0	1106.7	1141.7	1210.6	1246.3	1215.3	1150.7	1116.5	1132.4	1182.1	1203.5
G40.0	1085.1	1121.9	1193.7	1231.0	1198.5	1131.4	1095.4	1112.6	1164.3	1188.1
G41.0	1063.9	1102.7	1177.2	1215.8	1182.7	1112.7	1074.1	1092.0	1146.6	1171.6
G42.0	1042.4	1082.8	1159.9	1200.6	1165.5	1093.4	1052.9	1072.1	1129.9	1155.5
G43.0	1021.1	1062.6	1143.1	1185.8	1148.8	1073.7	1031.1	1051.6	1111.3	1139.1
G44.0	998.5	1043.1	1126.2	1169.7	1131.7	1053.8	1008.9	1031.3	1093.8	1122.7
G45.0	977.8	1022.0	1108.7	1154.0	1114.3	1034.2	986.5	1009.9	1075.6	1105.0
G46.0	954.2	1001.3	1091.8	1137.7	1096.9	1014.4	964.3	988.7	1057.6	1088.6
G47.0	932.7	980.9	1074.1	1121.6	1079.3	994.1	941.0	967.3	1039.0	1070.8
G48.0	910.0	959.9	1056.3	1105.5	1062.0	973.7	918.6	946.5	1020.5	1053.8
G49.0	887.6	939.0	1038.3	1088.3	1044.2	953.5	894.6	925.1	1001.8	1036.2
G50.0	864.6	918.3	1020.3	1071.7	1025.9	933.0	871.9	903.0	983.0	1018.5
G51.0	841.6	897.2	1002.1	1055.1	1008.7	911.8	848.5	881.7	963.6	1000.2
G52.0	818.2	875.7	983.8	1037.6	990.6	891.3	825.0	860.3	944.4	982.5
G53.0	795.2	854.5	965.6	1021.0	972.5	870.6	801.2	837.8	925.6	964.2
G54.0	770.9	833.2	946.9	1003.8	953.9	849.8	777.9	816.2	906.1	946.2
G55.0	748.1	811.5	929.3	986.1	935.8	828.4	753.8	793.9	887.6	927.1
G56.0	724.7	790.1	910.0	968.4	917.0	807.1	730.2	772.3	867.6	908.5
G57.0	701.3	768.3	891.6	950.5	898.6	786.2	705.6	749.9	847.6	890.2
G58.0	676.7	746.7	872.7	932.6	879.8	764.3	682.0	728.2	828.6	871.9
G59.0	653.1	725.6	853.7	915.0	860.5	743.6	657.3	706.3	809.1	852.2
G60.0	628.6	703.7	834.4	897.3	842.6	722.5	633.5	684.9	789.4	834.2
G61.0	604.8	682.5	815.6	878.9	823.1	701.3	608.5	663.0	770.0	814.6
G62.0	580.2	660.8	796.8	860.4	803.8	680.4	583.9	640.7	749.8	795.8
G63.0	556.1	639.9	778.3	842.6	785.1	659.6	559.7	619.2	730.3	776.5
G64.0	532.1	618.4	758.8	823.9	766.2	638.8	535.0	597.4	710.9	757.5
G65.0	507.5	597.3	739.5	805.1	746.9	617.2	510.8	575.7	690.6	738.1
G66.0	483.0	576.0	720.1	786.3	728.2	596.6	485.7	553.7	670.9	718.7
G67.0	459.1	554.8	700.7	767.5	709.4	575.7	461.2	532.9	651.3	699.0
G68.0	434.7	533.8	682.0	748.7	689.8	554.9	436.7	511.7	631.7	680.1
G69.0	410.9	513.3	662.4	730.7	670.7	533.8	412.2	491.0	612.1	660.3
G70.0	386.5	492.5	643.1	710.9	652.0	513.7	387.7	469.7	592.1	640.5
G71.0	362.2	472.2	624.6	692.3	633.7	493.1	363.9	448.7	573.0	621.5
G72.0	338.0	451.1	604.9	674.2	614.5	473.1	339.6	428.2	553.9	602.2
G73.0	314.6	431.2	585.8	654.3	595.5	453.4	315.4	408.2	534.2	583.8

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 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	290.4	410.7	567.2	635.7	576.5	433.5	291.5	388.6	515.1	563.8
G75.0	267.0	391.4	548.4	617.2	557.3	413.8	269.2	368.5	496.7	545.5
G76.0	244.1	372.1	529.7	598.5	539.1	394.5	245.1	349.1	478.2	527.0
G77.0	221.1	352.6	510.8	579.5	520.2	375.4	222.9	330.6	459.9	508.3
G78.0	199.7	334.4	492.2	561.0	502.0	356.6	200.2	312.1	441.9	490.7
G79.0	177.7	315.4	474.5	542.3	483.5	338.2	178.6	293.5	424.2	473.0
G80.0	157.0	298.2	457.1	525.0	465.6	320.1	158.0	276.2	406.9	455.4
G81.0	136.9	280.4	438.8	506.7	448.4	301.9	137.7	259.0	390.5	439.3
G82.0	117.9	263.6	422.0	489.1	430.6	285.0	118.5	242.2	374.3	423.1
G83.0	100.1	247.0	404.9	471.0	413.7	268.2	100.8	227.3	359.0	407.4
G84.0	83.7	231.5	389.1	454.2	397.6	252.0	83.9	212.2	343.8	392.1
G85.0	68.8	216.9	373.1	438.5	381.0	236.1	69.3	198.3	329.6	378.0
G86.0	55.5	203.1	358.2	422.1	365.7	221.0	55.9	185.7	316.2	363.9
G87.0	44.6	189.8	344.0	407.0	350.8	206.8	45.2	173.9	303.4	351.2
G88.0	36.2	178.1	330.0	392.4	337.0	193.4	36.8	162.8	291.1	338.1
G89.0	30.8	167.2	316.6	378.0	323.2	181.3	31.3	153.0	279.6	326.1
G90.0	28.5	157.1	304.1	364.7	310.2	170.1	28.9	143.9	268.5	314.4
G91.0	27.7	148.0	292.2	351.4	297.7	159.8	28.1	135.6	258.1	303.3
G92.0	27.0	139.9	280.9	338.8	286.0	150.3	27.3	128.0	248.0	292.4
G93.0	26.3	131.8	269.5	326.8	274.9	141.7	26.6	120.8	238.4	282.4
G94.0	25.6	124.7	259.5	314.8	264.4	134.0	25.9	113.9	229.0	272.2
G95.0	24.9	117.8	249.5	303.8	253.8	126.3	25.1	107.3	220.5	263.0
G96.0	24.3	111.3	240.1	293.0	244.0	119.2	24.5	101.1	211.6	253.3
G97.0	23.7	105.2	231.0	282.8	234.8	112.7	23.9	95.0	203.5	244.3
G98.0	23.1	99.1	222.0	273.0	225.8	106.5	23.3	89.0	195.2	235.3
G99.0	22.5	93.2	213.1	263.0	216.9	100.3	22.6	83.4	187.2	226.7
G100.0	21.9	87.9	205.3	253.9	208.7	94.7	22.1	78.1	179.5	217.8
G101.0	21.4	82.6	196.9	244.6	200.5	89.2	21.5	72.9	171.8	209.6
G102.0	20.9	77.4	189.0	235.7	192.5	83.9	21.0	67.8	164.1	201.4
G103.0	20.4	72.4	181.1	226.7	184.6	78.6	20.5	63.2	156.9	193.3
G104.0	19.9	67.8	173.7	218.4	176.5	73.7	20.0	58.5	149.6	185.3
G105.0	19.4	63.5	166.3	210.0	169.2	69.0	19.5	54.3	142.3	177.6
G106.0	18.9	59.3	159.0	201.8	162.2	64.6	19.0	50.2	131.6	170.1
G107.0	18.5	55.2	151.8	193.9	154.8	60.4	18.6	46.4	121.5	162.5
G108.0	18.1	51.5	142.5	185.9	147.5	56.3	18.2	43.0	112.7	152.7
G109.0	17.7	48.0	132.1	178.3	136.3	52.5	17.7	39.8	106.1	144.3
G110.0	17.3	44.7	123.7	170.8	126.7	48.9	17.3	36.7	100.8	137.4

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 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	16.9	41.5	116.6	160.7	117.6	45.6	17.0	33.5	95.9	130.9
G112.0	16.6	38.2	110.9	151.2	111.2	42.2	16.6	30.6	91.0	124.7
G113.0	16.3	35.0	105.7	144.3	106.4	38.8	16.2	28.0	86.1	118.8
G114.0	15.9	32.0	100.5	137.6	101.3	35.5	15.9	25.7	81.3	112.9
G115.0	15.7	29.5	95.5	131.3	96.3	32.6	15.6	23.6	76.3	106.8
G116.0	15.3	27.1	90.3	125.1	91.3	29.9	15.3	21.9	71.9	101.5
G117.0	15.1	25.1	85.6	119.1	86.7	27.6	15.0	20.4	67.2	96.0
G118.0	14.8	23.3	80.9	113.2	82.0	25.6	14.7	18.9	63.0	90.9
G119.0	14.6	21.5	76.4	107.4	77.5	23.7	14.4	17.7	58.8	85.6
G120.0	14.4	19.9	71.9	102.0	72.9	22.0	14.3	16.6	55.1	80.7
G121.0	14.1	18.6	67.6	96.6	68.7	20.4	14.0	15.8	51.7	75.8
G122.0	14.0	17.4	63.5	91.4	64.6	19.0	13.8	15.3	48.4	71.2
G123.0	13.8	16.4	59.4	86.5	60.7	17.8	13.6	15.1	45.3	66.7
G124.0	13.7	15.9	55.7	81.4	56.9	16.8	13.5	15.0	42.3	62.7
G125.0	13.6	15.6	52.1	76.9	53.2	16.2	13.3	14.8	39.2	58.7
G126.0	13.4	15.4	48.5	72.1	49.7	15.8	13.1	14.7	36.4	55.0
G127.0	13.3	15.2	45.0	67.7	46.2	15.7	13.1	14.5	33.7	51.1
G128.0	13.2	15.1	41.7	63.3	43.0	15.4	12.9	14.4	31.1	47.6
G129.0	13.1	14.9	38.5	59.2	39.9	15.2	12.9	14.3	28.6	44.1
G130.0	13.1	14.8	35.6	55.3	36.7	15.1	12.8	14.2	26.3	40.9
G131.0	13.1	14.7	32.8	51.4	33.9	15.0	12.7	14.1	24.1	37.7
G132.0	13.1	14.6	30.1	47.5	31.1	14.9	12.7	14.0	22.1	34.7
G133.0	13.0	14.5	27.6	43.9	28.5	14.7	12.7	13.9	20.3	31.8
G134.0	13.1	14.4	25.3	40.6	26.2	14.6	12.7	13.9	18.7	29.1
G135.0	13.1	14.4	23.1	37.3	24.0	14.5	12.7	13.8	17.3	26.5
G136.0	13.1	14.3	21.2	34.2	22.0	14.4	12.7	13.8	16.3	24.2
G137.0	13.1	14.3	19.6	31.3	20.3	14.4	12.8	13.9	16.0	22.1
G138.0	13.3	14.3	18.1	28.4	18.6	14.4	12.8	13.9	15.9	20.3
G139.0	13.4	14.3	16.9	25.9	17.3	14.4	12.9	14.0	15.9	18.5
G140.0	13.5	14.3	16.4	23.6	16.5	14.4	13.1	14.0	15.9	17.5
G141.0	13.7	14.4	16.2	21.5	16.3	14.4	13.2	14.1	15.9	17.0
G142.0	13.8	14.4	16.2	19.7	16.2	14.4	13.4	14.3	15.9	17.0
G143.0	13.9	14.4	16.2	18.2	16.2	14.4	13.5	14.4	15.9	17.0
G144.0	14.0	14.5	16.2	17.4	16.2	14.5	13.7	14.4	16.0	16.9
G145.0	14.2	14.6	16.2	17.2	16.2	14.6	13.8	14.6	16.0	16.9
G146.0	14.4	14.7	16.2	17.1	16.2	14.7	14.0	14.7	16.0	16.9
G147.0	14.4	14.7	16.3	17.1	16.2	14.8	14.1	14.8	16.0	16.8

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	14.6	14.8	16.3	17.0	16.2	14.9	14.3	14.9	16.0	16.8
G149.0	14.7	14.9	16.3	17.0	16.2	14.9	14.4	15.0	16.1	16.8
G150.0	14.8	14.9	16.3	16.9	16.2	15.0	14.4	15.1	16.1	16.7
G151.0	14.9	15.0	16.3	16.9	16.2	15.1	14.6	15.2	16.1	16.6
G152.0	15.0	15.1	16.3	16.9	16.2	15.1	14.7	15.3	16.1	16.6
G153.0	15.1	15.2	16.4	16.8	16.1	15.2	14.8	15.4	16.1	16.6
G154.0	15.2	15.3	16.3	16.8	16.2	15.3	14.9	15.6	16.1	16.6
G155.0	15.3	15.3	16.3	16.7	16.2	15.3	15.1	15.6	16.2	16.5
G156.0	15.4	15.4	16.3	16.6	16.1	15.4	15.2	15.7	16.2	16.5
G157.0	15.5	15.5	16.3	16.6	16.2	15.5	15.3	15.8	16.2	16.5
G158.0	15.6	15.6	16.3	16.6	16.2	15.6	15.4	15.9	16.3	16.5
G159.0	15.7	15.7	16.3	16.5	16.2	15.7	15.5	16.0	16.3	16.5
G160.0	15.8	15.8	16.3	16.5	16.2	15.7	15.6	16.1	16.4	16.5
G161.0	15.8	15.8	16.3	16.5	16.2	15.8	15.7	16.1	16.4	16.5
G162.0	15.9	15.9	16.3	16.5	16.2	15.8	15.8	16.2	16.4	16.5
G163.0	16.0	15.9	16.4	16.5	16.2	15.9	15.9	16.3	16.5	16.6
G164.0	16.1	16.0	16.4	16.5	16.2	16.0	16.0	16.4	16.5	16.6
G165.0	16.2	16.0	16.4	16.5	16.3	16.0	16.1	16.4	16.6	16.6
G166.0	16.2	16.1	16.5	16.5	16.3	16.1	16.2	16.5	16.6	16.6
G167.0	16.3	16.1	16.5	16.5	16.3	16.1	16.3	16.5	16.6	16.7
G168.0	16.4	16.2	16.5	16.5	16.3	16.2	16.4	16.5	16.7	16.8
G169.0	16.5	16.2	16.6	16.5	16.3	16.2	16.5	16.6	16.8	16.9
G170.0	16.6	16.2	16.5	16.5	16.4	16.2	16.5	16.6	16.8	16.9
G171.0	16.6	16.3	16.6	16.5	16.4	16.3	16.6	16.6	16.8	17.0
G172.0	16.7	16.3	16.6	16.6	16.4	16.3	16.8	16.6	16.8	17.0
G173.0	16.8	16.4	16.6	16.6	16.4	16.3	16.8	16.7	16.8	17.1
G174.0	16.8	16.4	16.5	16.6	16.4	16.4	16.9	16.8	16.8	17.1
G175.0	16.9	16.4	16.5	16.7	16.4	16.3	17.0	16.8	16.8	17.1
G176.0	16.9	16.5	16.5	16.7	16.4	16.3	17.0	16.9	16.7	17.1
G177.0	17.0	16.5	16.4	16.7	16.4	16.3	17.0	16.9	16.7	17.1
G178.0	17.0	16.6	16.4	16.8	16.4	16.4	17.1	16.9	16.8	17.1
G179.0	17.0	16.7	16.5	16.8	16.5	16.4	17.1	16.9	16.8	17.1
G180.0	17.0	16.8	16.6	16.9	16.5	16.5	17.1	16.8	16.6	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 5)

Unit: cd

G\c	C300.0	C330.0	C360.0							
G0.0	1567.4	1564.0	1582.2							
G1.0	1566.5	1563.0	1581.5							
G2.0	1565.2	1561.4	1580.3							
G3.0	1563.1	1559.3	1578.1							
G4.0	1560.3	1556.3	1575.2							
G5.0	1557.3	1552.7	1571.7							
G6.0	1553.4	1548.7	1567.6							
G7.0	1549.1	1543.9	1562.6							
G8.0	1544.1	1538.2	1557.1							
G9.0	1538.5	1532.3	1550.8							
G10.0	1532.5	1525.3	1543.8							
G11.0	1526.3	1517.9	1536.3							
G12.0	1519.0	1509.7	1528.1							
G13.0	1511.3	1501.4	1518.8							
G14.0	1503.2	1491.8	1509.4							
G15.0	1494.7	1482.6	1499.6							
G16.0	1485.8	1471.6	1488.7							
G17.0	1476.0	1460.9	1477.1							
G18.0	1466.0	1449.5	1465.2							
G19.0	1455.3	1437.3	1452.8							
G20.0	1444.5	1424.7	1439.8							
G21.0	1433.1	1411.9	1426.3							
G22.0	1421.1	1398.1	1412.3							
G23.0	1409.2	1383.6	1397.2							
G24.0	1396.5	1369.3	1382.0							
G25.0	1383.8	1354.4	1366.5							
G26.0	1370.1	1338.4	1351.2							
G27.0	1356.6	1322.7	1334.2							
G28.0	1342.1	1306.4	1317.2							
G29.0	1327.9	1289.9	1299.4							
G30.0	1312.7	1272.6	1281.3							
G31.0	1298.1	1254.8	1263.6							
G32.0	1282.7	1237.0	1245.1							
G33.0	1266.6	1218.9	1226.3							
G34.0	1250.5	1200.3	1207.1							
G35.0	1234.1	1180.5	1187.3							
G36.0	1217.7	1162.1	1167.4							

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 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	1200.7	1142.5	1147.5							
G38.0	1183.8	1123.3	1126.9							
G39.0	1166.2	1103.4	1106.7							
G40.0	1148.8	1082.4	1085.1							
G41.0	1131.3	1062.6	1063.9							
G42.0	1114.0	1042.6	1042.4							
G43.0	1095.7	1020.8	1021.1							
G44.0	1077.6	1000.7	998.5							
G45.0	1059.7	979.1	977.8							
G46.0	1041.1	958.2	954.2							
G47.0	1023.0	936.2	932.7							
G48.0	1004.3	915.2	910.0							
G49.0	984.8	893.1	887.6							
G50.0	965.9	871.8	864.6							
G51.0	947.3	850.3	841.6							
G52.0	928.5	827.7	818.2							
G53.0	908.7	805.0	795.2							
G54.0	889.6	783.8	770.9							
G55.0	870.1	761.6	748.1							
G56.0	850.5	740.0	724.7							
G57.0	831.4	717.0	701.3							
G58.0	811.9	695.6	676.7							
G59.0	791.8	673.7	653.1							
G60.0	772.1	652.3	628.6							
G61.0	752.9	630.4	604.8							
G62.0	733.5	607.9	580.2							
G63.0	713.6	586.5	556.1							
G64.0	693.3	564.7	532.1							
G65.0	674.0	543.5	507.5							
G66.0	654.4	522.6	483.0							
G67.0	634.8	501.4	459.1							
G68.0	615.2	479.9	434.7							
G69.0	595.6	458.9	410.9							
G70.0	576.2	438.1	386.5							
G71.0	557.2	417.5	362.2							
G72.0	537.9	397.6	338.0							
G73.0	518.3	377.0	314.6							

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 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	499.3	357.8	290.4							
G75.0	481.2	338.9	267.0							
G76.0	463.3	319.7	244.1							
G77.0	444.9	301.4	221.1							
G78.0	426.8	283.0	199.7							
G79.0	409.9	265.6	177.7							
G80.0	393.0	249.2	157.0							
G81.0	377.5	233.1	136.9							
G82.0	361.4	217.7	117.9							
G83.0	346.4	203.3	100.1							
G84.0	332.1	190.3	83.7							
G85.0	318.3	177.9	68.8							
G86.0	305.6	166.4	55.5							
G87.0	293.3	156.1	44.6							
G88.0	281.6	146.7	36.2							
G89.0	270.7	138.4	30.8							
G90.0	260.1	130.2	28.5							
G91.0	250.1	122.9	27.7							
G92.0	240.4	116.1	27.0							
G93.0	231.1	109.4	26.3							
G94.0	222.2	103.1	25.6							
G95.0	213.8	97.0	24.9							
G96.0	204.8	90.9	24.3							
G97.0	197.1	85.3	23.7							
G98.0	188.8	79.8	23.1							
G99.0	181.0	74.6	22.5							
G100.0	173.4	69.7	21.9							
G101.0	165.9	64.9	21.4							
G102.0	158.3	60.3	20.9							
G103.0	151.3	56.0	20.4							
G104.0	144.3	51.9	19.9							
G105.0	134.9	48.0	19.4							
G106.0	124.8	44.3	18.9							
G107.0	116.6	41.1	18.5							
G108.0	109.6	38.0	18.1							
G109.0	104.2	34.9	17.7							
G110.0	99.0	31.9	17.3							

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	93.8	29.0	16.9							
G112.0	88.4	26.5	16.6							
G113.0	83.7	24.3	16.3							
G114.0	78.8	22.4	15.9							
G115.0	74.1	20.8	15.7							
G116.0	69.3	19.3	15.3							
G117.0	64.9	18.0	15.1							
G118.0	60.6	16.8	14.8							
G119.0	56.9	15.8	14.6							
G120.0	53.4	15.1	14.4							
G121.0	50.0	14.8	14.1							
G122.0	46.8	14.7	14.0							
G123.0	43.5	14.4	13.8							
G124.0	40.5	14.3	13.7							
G125.0	37.4	14.1	13.6							
G126.0	34.8	14.0	13.4							
G127.0	32.2	13.9	13.3							
G128.0	29.6	13.8	13.2							
G129.0	27.1	13.7	13.1							
G130.0	24.9	13.7	13.1							
G131.0	22.7	13.6	13.1							
G132.0	20.9	13.5	13.1							
G133.0	19.1	13.5	13.0							
G134.0	17.7	13.5	13.1							
G135.0	16.5	13.4	13.1							
G136.0	15.9	13.4	13.1							
G137.0	15.7	13.5	13.1							
G138.0	15.7	13.6	13.3							
G139.0	15.6	13.6	13.4							
G140.0	15.7	13.7	13.5							
G141.0	15.7	13.8	13.7							
G142.0	15.8	13.9	13.8							
G143.0	15.8	14.0	13.9							
G144.0	15.8	14.1	14.0							
G145.0	15.9	14.2	14.2							
G146.0	15.9	14.3	14.4							
G147.0	16.0	14.4	14.4							

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	16.0	14.5	14.6							
G149.0	16.0	14.6	14.7							
G150.0	16.1	14.8	14.8							
G151.0	16.1	14.8	14.9							
G152.0	16.1	14.9	15.0							
G153.0	16.1	15.0	15.1							
G154.0	16.1	15.1	15.2							
G155.0	16.1	15.2	15.3							
G156.0	16.1	15.3	15.4							
G157.0	16.1	15.4	15.5							
G158.0	16.1	15.6	15.6							
G159.0	16.1	15.6	15.7							
G160.0	16.2	15.7	15.8							
G161.0	16.2	15.8	15.8							
G162.0	16.2	15.9	15.9							
G163.0	16.3	15.9	16.0							
G164.0	16.4	16.0	16.1							
G165.0	16.4	16.0	16.2							
G166.0	16.5	16.1	16.2							
G167.0	16.5	16.1	16.3							
G168.0	16.6	16.2	16.4							
G169.0	16.6	16.2	16.5							
G170.0	16.6	16.3	16.6							
G171.0	16.7	16.3	16.6							
G172.0	16.7	16.4	16.7							
G173.0	16.6	16.4	16.8							
G174.0	16.6	16.4	16.8							
G175.0	16.6	16.5	16.9							
G176.0	16.5	16.5	16.9							
G177.0	16.6	16.5	17.0							
G178.0	16.7	16.5	17.0							
G179.0	16.6	16.5	17.0							
G180.0	16.5	16.5	17.0							

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: