

Report No.:

Test Time:

## Luminaire Property

Luminaire Category: LED STREETLIGHT  
 Lamp Catalog: SMD  
 Current: 0.447 A  
 Power Factor: 0.985

Luminaire Description: SIX013EI-100W  
 Voltage: 229.3 V  
 Power: 101.11 W

## Photometric Results

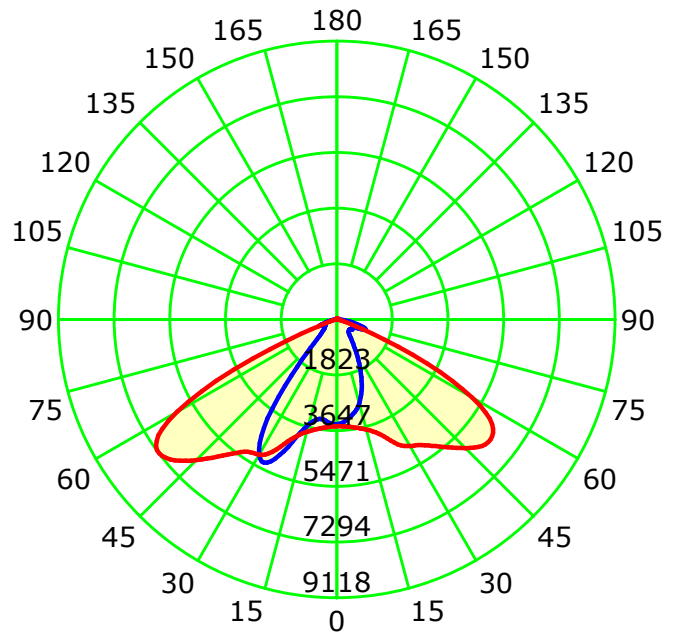
IES Classification: Type III  
 Total Rated Lamp Lumens: 10521.4 lm  
 Efficiency: 100%  
 Upward Ratio: 1%  
 Central Intensity: 3432.96 cd  
 Pos of Max. Intensity: H270 V53

Longitudinal Classification: Very Short  
 Measurement Flux: 10521.4 lm  
 Downward Ratio: 99%  
 Luminaire Efficacy Rating (LER): 104.11  
 Max. Intensity: 7294.97 cd

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

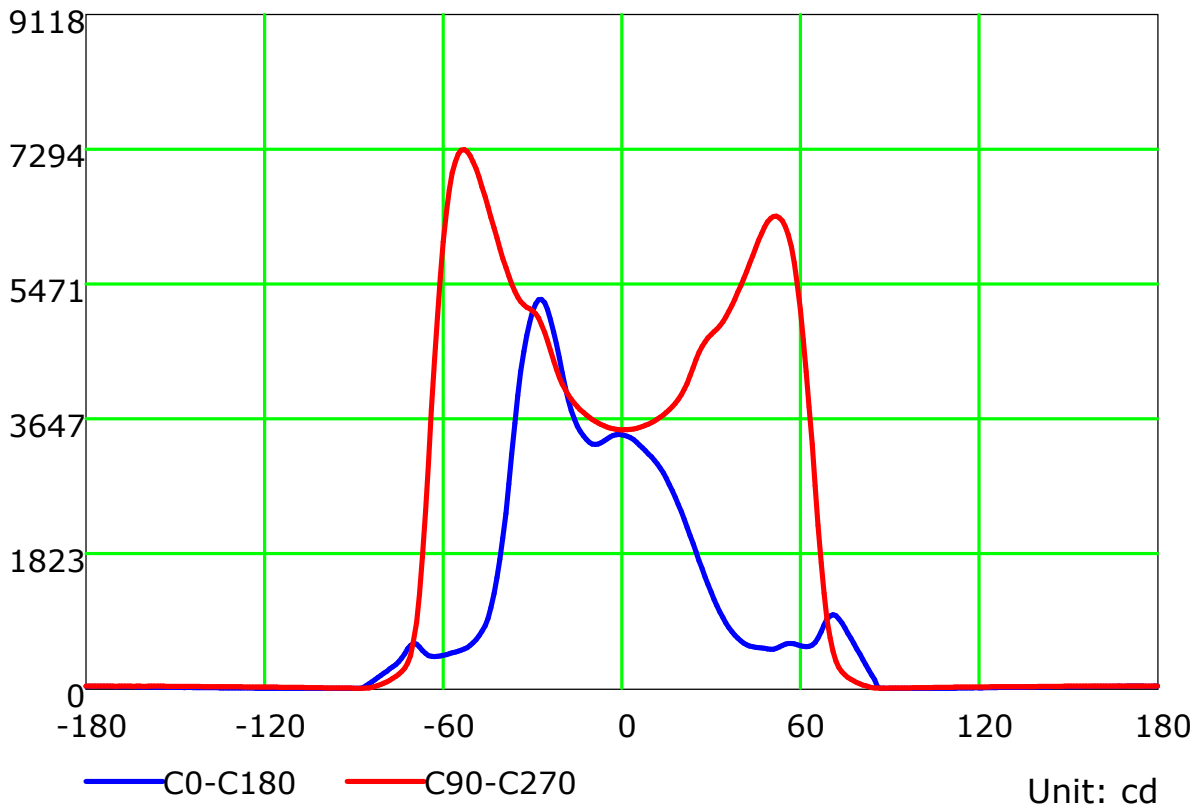
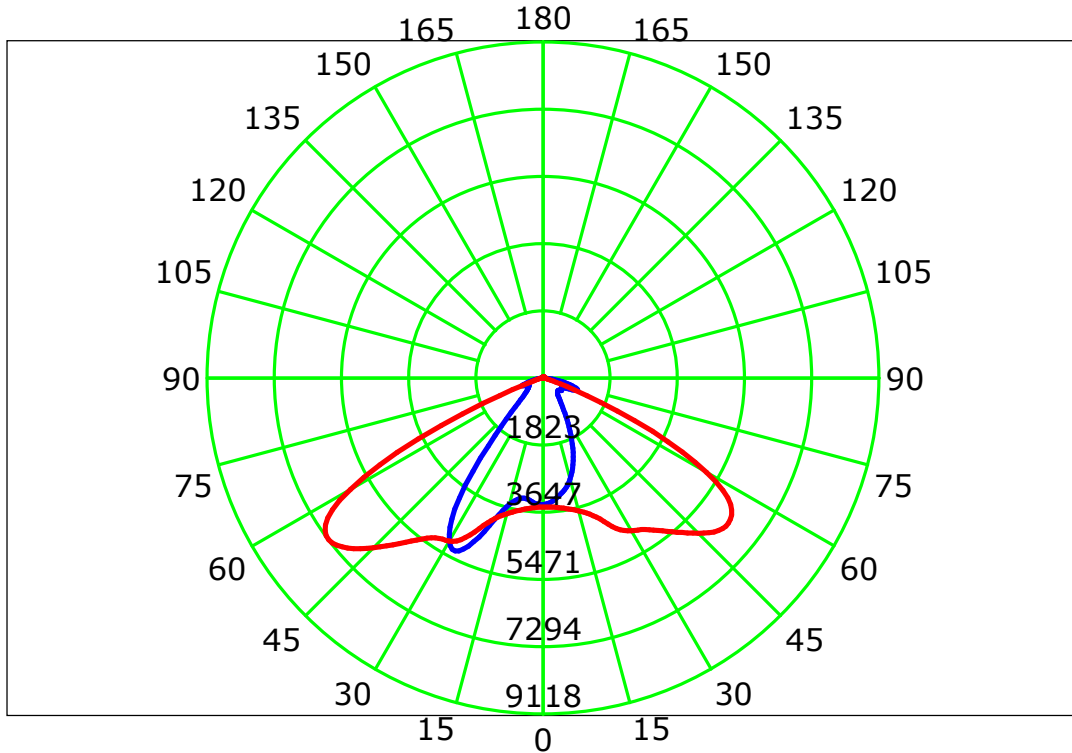
C Plane (°):0.0-360.0: 30.0

Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L  
 Distance: 6.847 m  
 Humidity:  
 Inspector:

## Luminous Intensity Distribution Curve



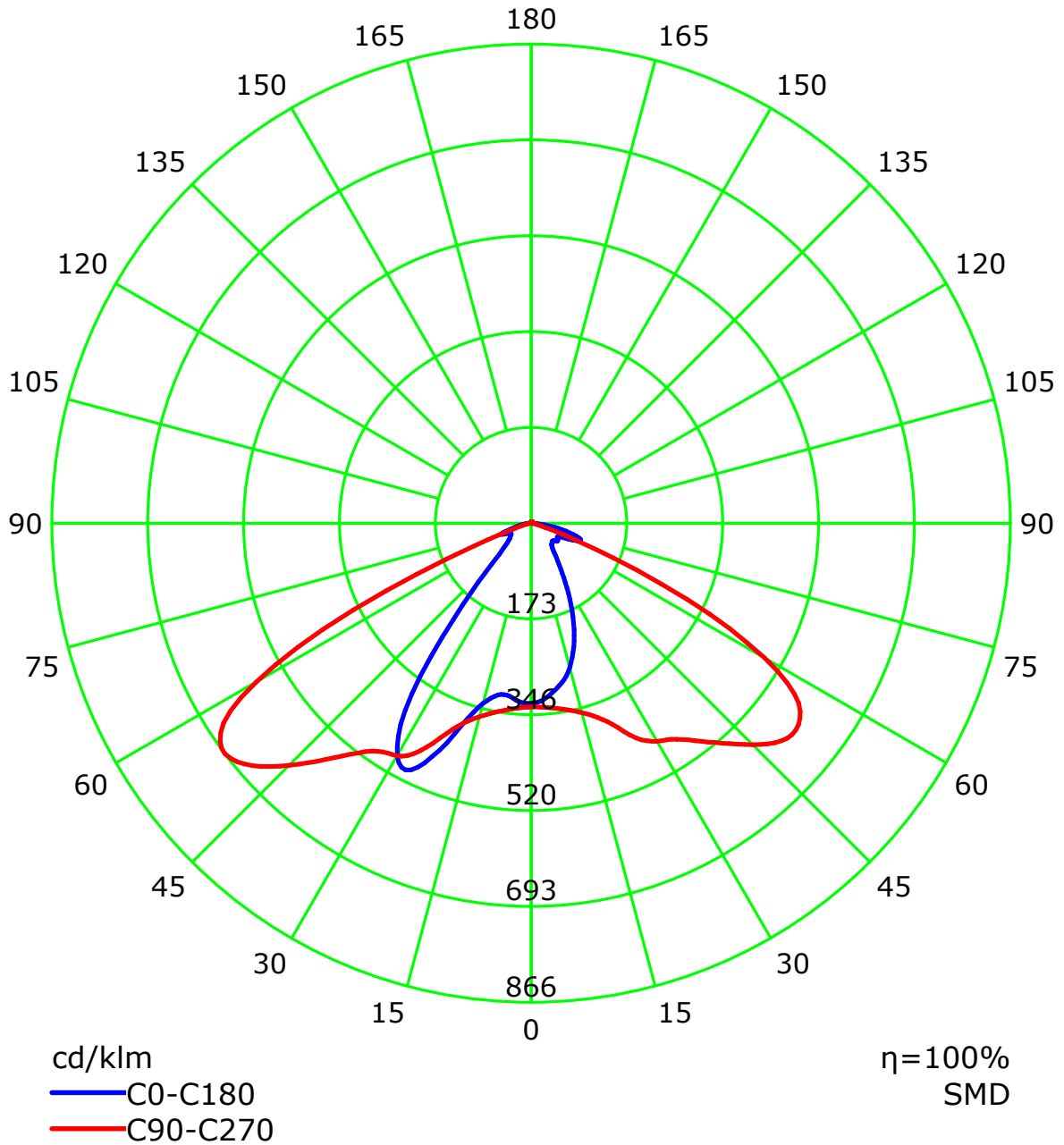
C Plane (°):0.0-360.0: 30.0

Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L  
 Distance: 6.847 m  
 Humidity:  
 Inspector:

## Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 30.0

Test Type: TYPE C  
Temperature:  
Operator:

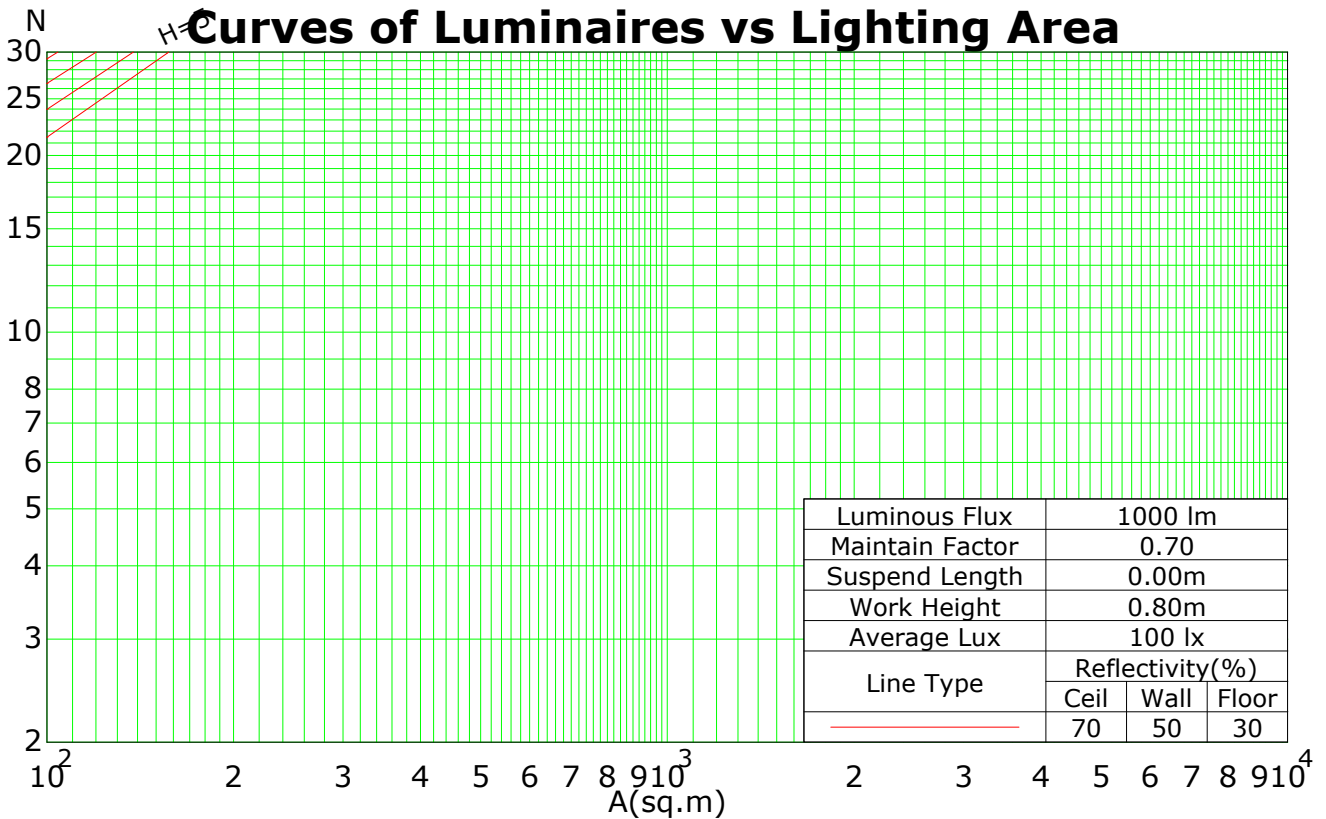
Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L  
Distance: 6.847 m  
Humidity:  
Inspector:

### Coefficients Of Utilization - Zonal Cavity Method

RC	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0
RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
RCR	RF = 0.2																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	110	106	102	99	107	103	100	97	99	96	94	95	93	91	91	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79	84	80	77	81	78	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57	67	61	56	65	60	56	53
5	78	65	57	50	76	64	56	50	62	55	50	60	54	49	58	53	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38	49	43	38	48	42	38	36
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	33	32
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	31	27	25

Spacing Criteria (0-180): 1.28  
 Spacing Criteria (90-270): 2.42  
 Spacing Criteria (Diagonal): 1.40



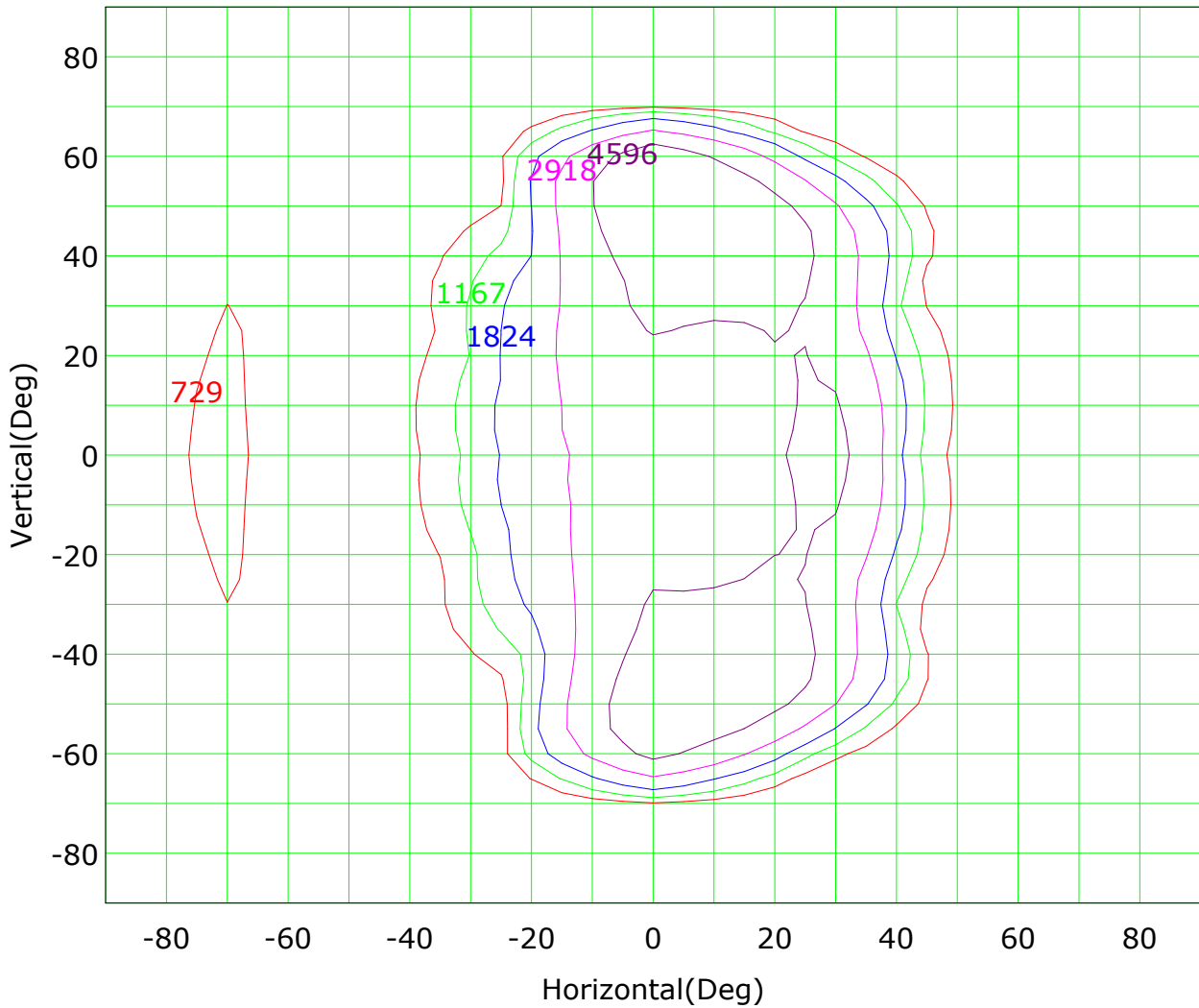
C Plane (°):0.0-360.0: 30.0

Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L  
 Distance: 6.847 m  
 Humidity:  
 Inspector:

## Isocandela (rectangle)



Imax (100%): 7295 cd

- |                   |                   |
|-------------------|-------------------|
| — ( 10%): 729 cd  | — ( 16%): 1167 cd |
| — ( 25%): 1824 cd | — ( 40%): 2918 cd |
| — ( 63%): 4596 cd | — (100%): 7295 cd |

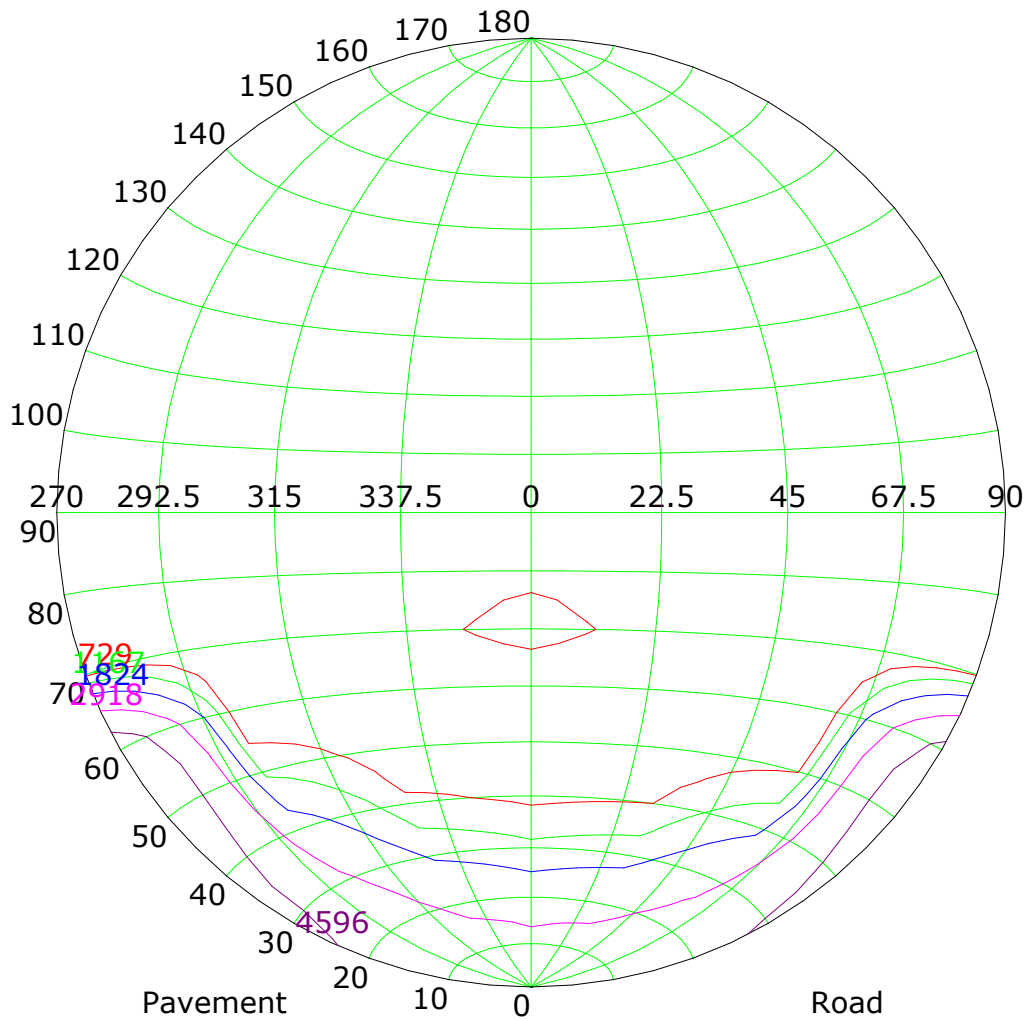
C Plane (°):0.0-360.0: 30.0

Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L  
 Distance: 6.847 m  
 Humidity:  
 Inspector:

### Isocandela (sphere)



Imax (100%): 7295 cd

- ( 10%): 729 cd
- ( 25%): 1824 cd
- ( 63%): 4596 cd
- ( 16%): 1167 cd
- ( 40%): 2918 cd
- (100%): 7295 cd

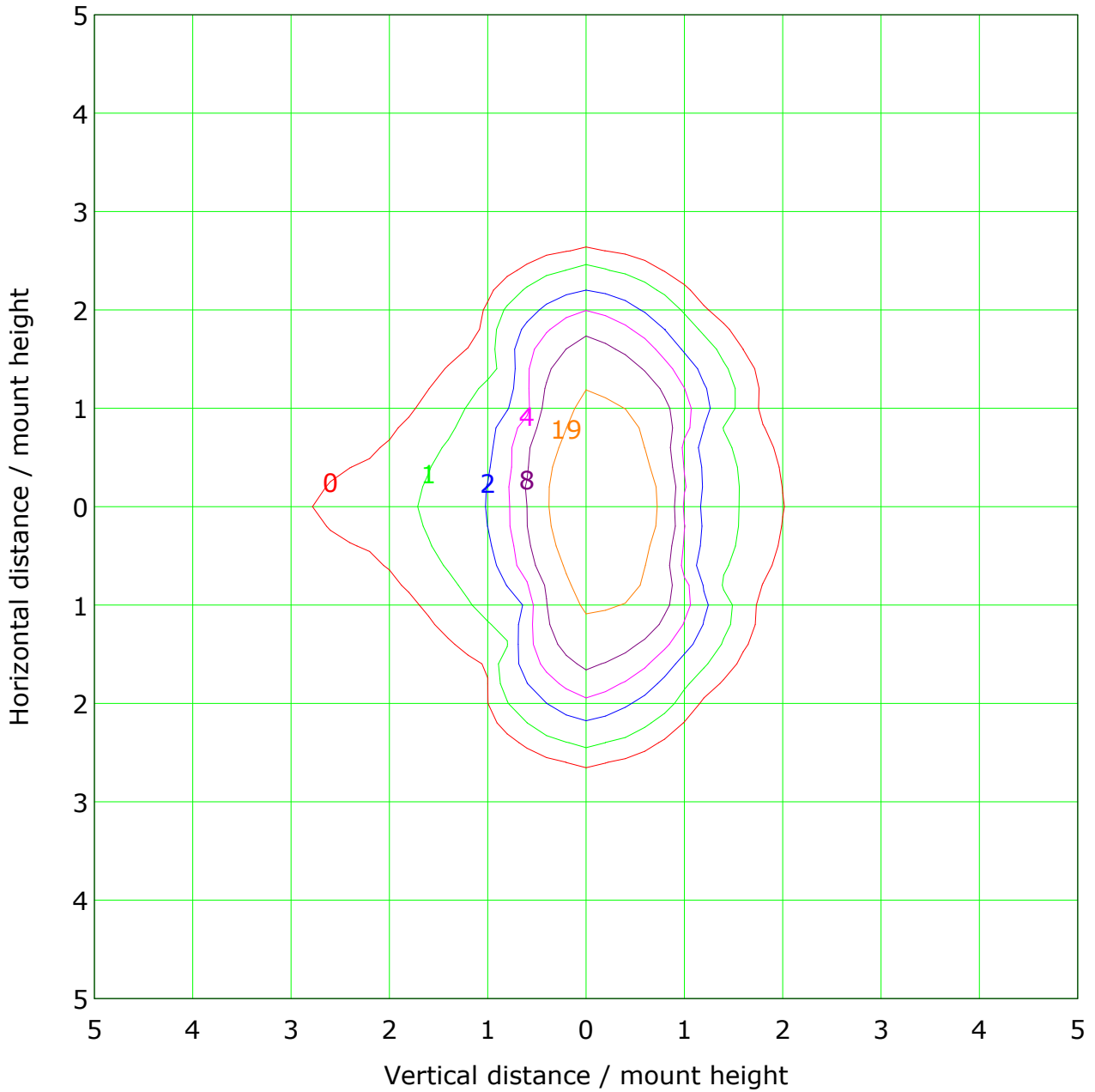
C Plane (°):0.0-360.0: 30.0

Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L  
 Distance: 6.847 m  
 Humidity:  
 Inspector:

### IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 38.2 lx	
— ( 1%):	0.4 lx	— ( 2%):	0.8 lx
— ( 5%):	1.9 lx	— ( 10%):	3.8 lx
— ( 20%):	7.6 lx	— ( 50%):	19.1 lx
— (100%):	38.2 lx		

C Plane (°):0.0-360.0: 30.0

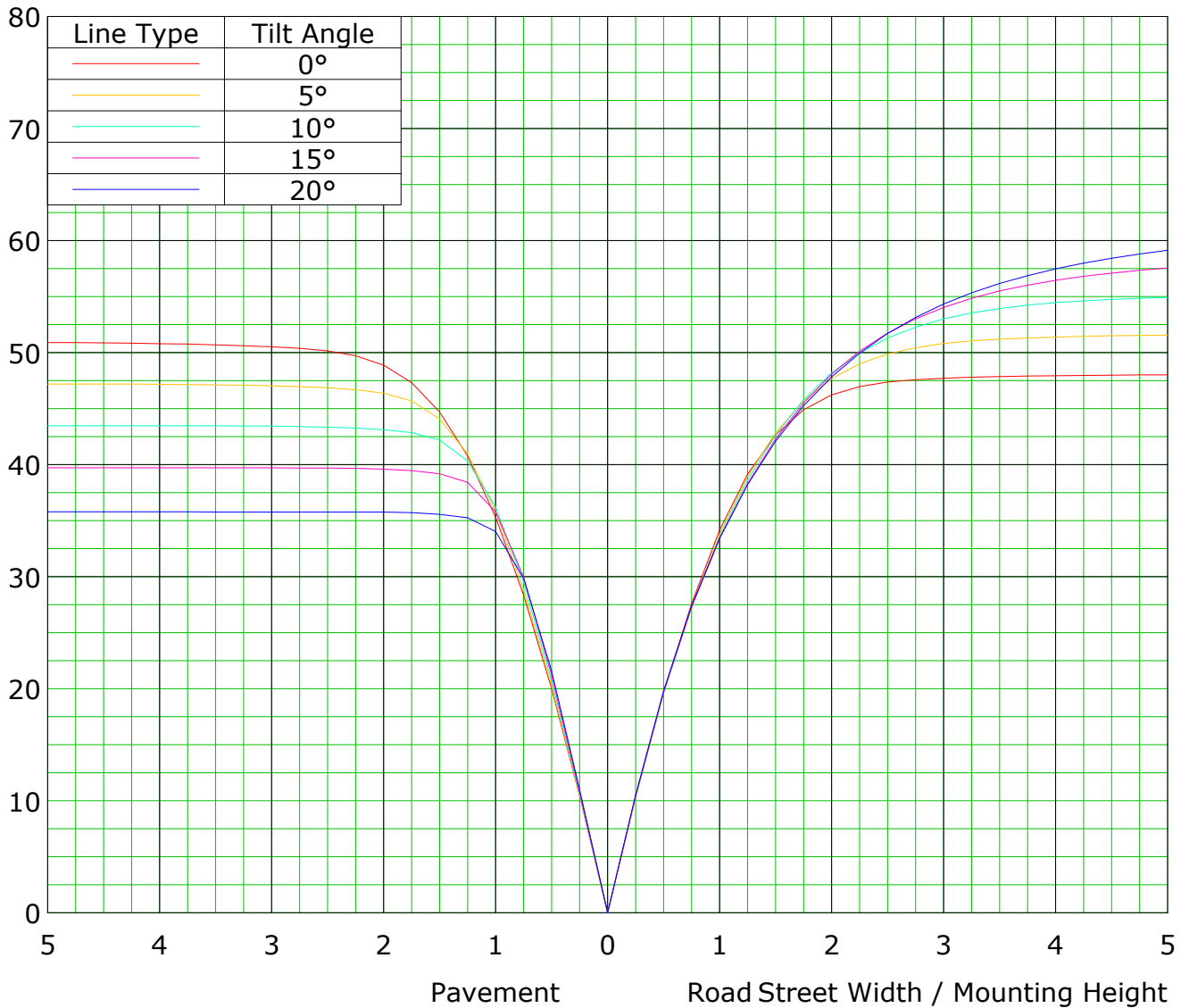
Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L  
 Distance: 6.847 m  
 Humidity:  
 Inspector:

## Roadway CU Curve

Efficiency(%)



C Plane (°):0.0-360.0: 30.0

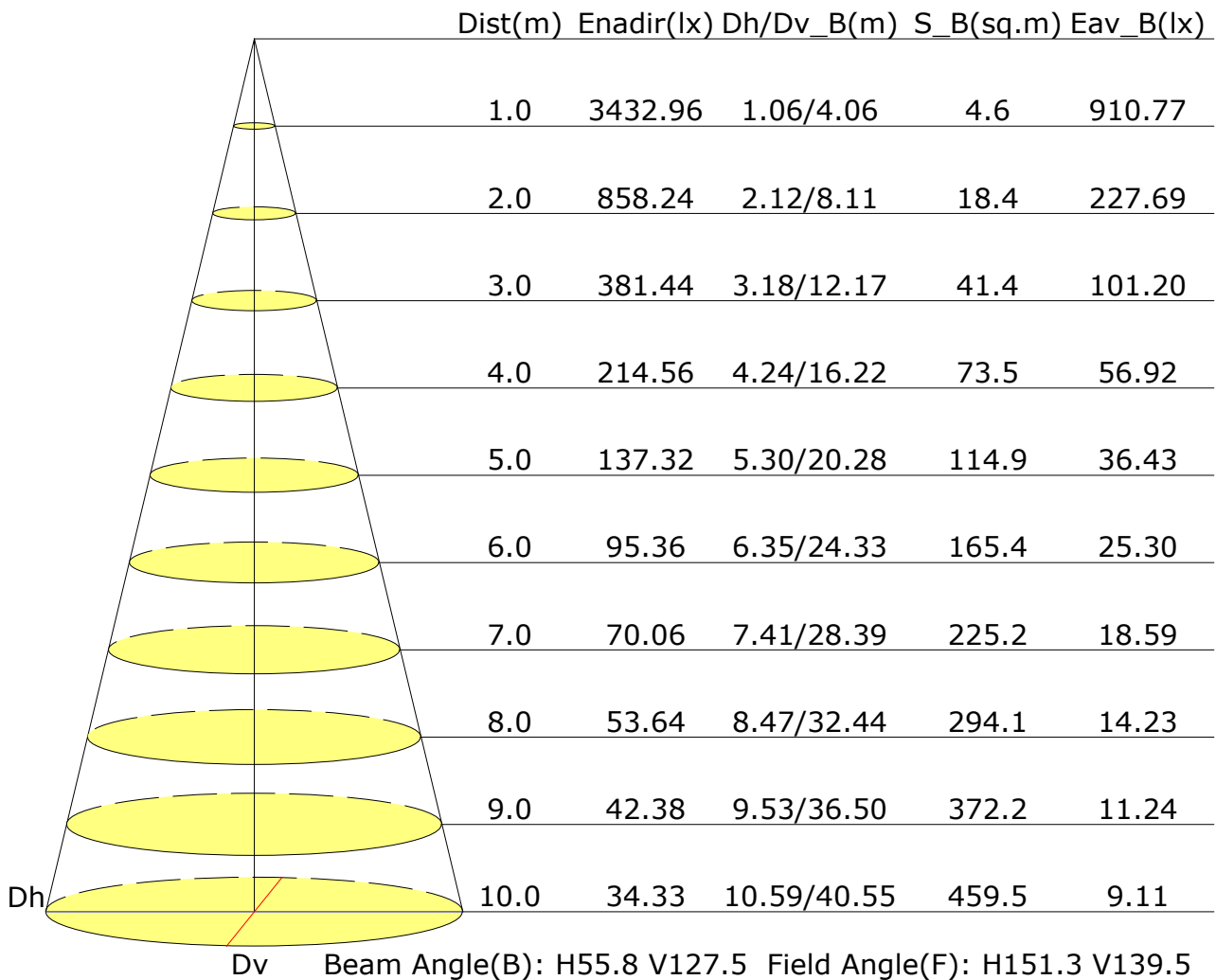
Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L  
 Distance: 6.847 m  
 Humidity:  
 Inspector:



## ILLUMINANCE AT A DISTANCE



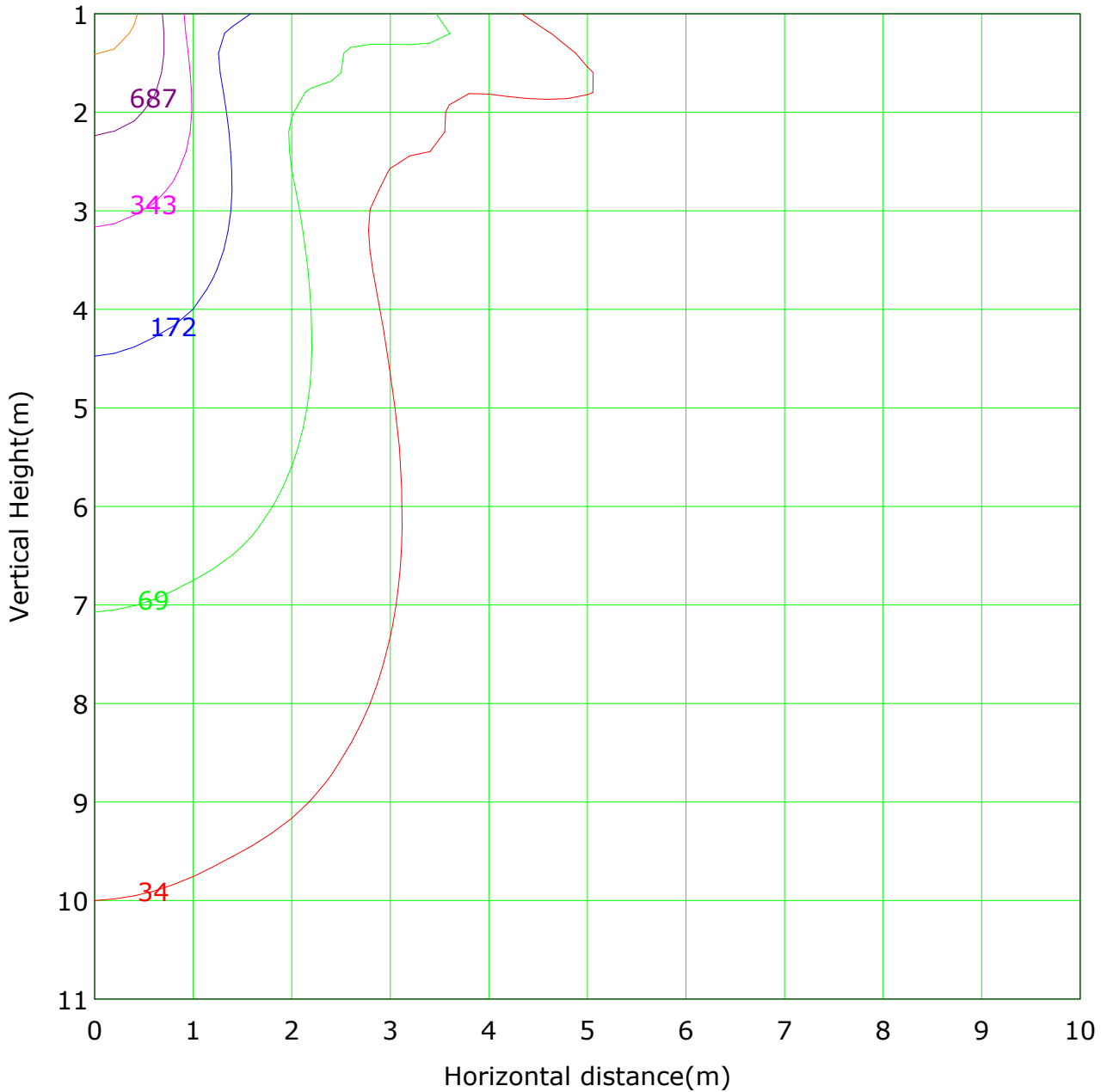
C Plane (°):0.0-360.0: 30.0

Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L  
 Distance: 6.847 m  
 Humidity:  
 Inspector:

### Vertical IsoLux Plot



Lowest(m): 1.0m    Highest(m): 11.0m    Max Lux: 3433.0 lx  
 ( 1%): 34.3 lx                      ( 2%): 68.7 lx  
 ( 5%): 171.6 lx                      ( 10%): 343.3 lx  
 ( 20%): 686.6 lx                    ( 50%): 1716.5 lx  
 (100%): 3433.0 lx

C Plane (°):0.0-360.0: 30.0

Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L  
 Distance: 6.847 m  
 Humidity:  
 Inspector:

## Area Flux Table

Unit: lm

		Vertical plane																				
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90		
Flux(E)	Flux(T)	0.0	0.0	0.1	0.3	0.6	0.9	1.0	0.9	0.7	0.6	0.6	0.6	0.5	0.4	0.2	0.1	0.0	0.0	0.0	7.6	0.0
0.0	2.6	0.0	0.3	1.1	2.3	3.5	4.6	5.7	6.5	7.1	6.8	5.9	4.9	4.0	3.0	1.9	1.1	0.3	0.0	0.0	58.9	0.0
0.0	28.7	0.8	2.4	4.2	6.5	10.9	22.8	50.6	82.5	78.5	41.5	14.4	8.2	6.2	4.2	2.9	1.1	0.0	0.0	0.0	337.8	264.1
0.1	0.0	1.2	3.5	5.7	11.8	34.3	82.5	144.2	193.6	173.4	91.4	24.2	11.4	8.6	6.4	5.0	2.1	0.1	0.0	0.0	799.6	736.7
0.2	0.0	1.7	4.7	6.9	18.6	61.7	129.9	174.7	192.0	163.1	90.0	30.1	15.5	9.9	7.8	7.0	3.1	0.2	0.0	0.0	916.9	856.1
0.2	0.0	2.1	5.6	7.8	17.3	65.3	128.9	155.9	160.3	139.2	87.0	44.0	19.9	10.8	8.3	8.1	4.0	0.4	0.0	0.0	864.9	804.8
0.2	0.0	2.5	5.9	8.6	19.8	68.1	123.1	132.4	136.9	125.8	88.7	50.3	20.7	11.4	9.0	8.3	4.9	0.5	0.0	0.0	817.2	759.7
0.3	0.0	2.9	6.0	9.2	25.2	84.0	126.4	114.6	112.2	109.1	86.7	51.6	23.1	12.2	9.5	8.3	5.7	0.6	0.0	0.0	787.5	734.1
0.3	0.0	3.2	6.1	9.2	25.8	94.3	131.9	106.2	103.5	102.6	84.5	53.2	24.2	12.4	9.9	8.5	6.2	0.6	0.0	0.0	782.5	729.4
0.3	0.0	3.1	6.1	9.1	25.4	93.8	132.2	106.9	104.2	101.1	83.1	51.7	23.4	12.2	9.9	8.5	6.2	0.6	0.0	0.0	777.8	723.7
0.3	0.0	2.9	6.0	8.9	24.1	82.5	126.4	117.5	113.2	105.3	81.8	47.2	21.2	11.9	9.5	8.3	5.6	0.6	0.0	0.0	773.0	717.2
0.2	0.0	2.5	5.8	8.3	18.3	66.4	124.1	135.7	133.9	117.4	79.1	43.1	18.2	11.2	8.8	8.2	4.9	0.5	0.0	0.0	786.6	725.7
0.2	0.0	2.0	5.5	7.5	16.1	64.2	131.5	159.1	155.5	128.8	73.7	33.5	16.3	10.4	8.1	7.9	4.0	0.4	0.0	0.0	824.6	760.1
0.1	0.0	1.6	4.5	6.7	17.1	60.0	129.9	170.6	179.5	146.4	75.2	21.6	12.7	9.2	7.5	6.8	3.0	0.2	0.0	0.0	852.6	785.8
0.1	0.0	1.1	3.2	5.3	10.3	29.8	75.7	130.6	170.3	149.5	77.4	19.8	9.9	7.8	6.0	4.7	2.0	0.1	0.0	0.0	703.7	643.4
0.0	0.0	0.7	2.1	3.7	5.6	9.0	18.9	44.0	72.6	69.4	36.8	12.4	6.9	5.4	3.6	2.6	1.0	0.0	0.0	0.0	294.7	226.6
0.0	0.0	0.2	0.8	1.7	2.7	3.6	4.5	5.7	6.9	6.7	5.1	3.5	2.7	2.1	1.3	0.8	0.2	0.0	0.0	0.0	48.6	0.0
0.0	0.0	0.0	0.1	0.3	0.4	0.5	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	4.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.5	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	4.8	10439
0.0	0.0	0.0	0.0	0.0	0.0	167.8	8801.2	1469.1	1735.9	1907.5	1707.0	0067.6	452.3	122.2	0.0	0.0	0.0	0.0	0.0	0.0	9468	

Horizontal plane

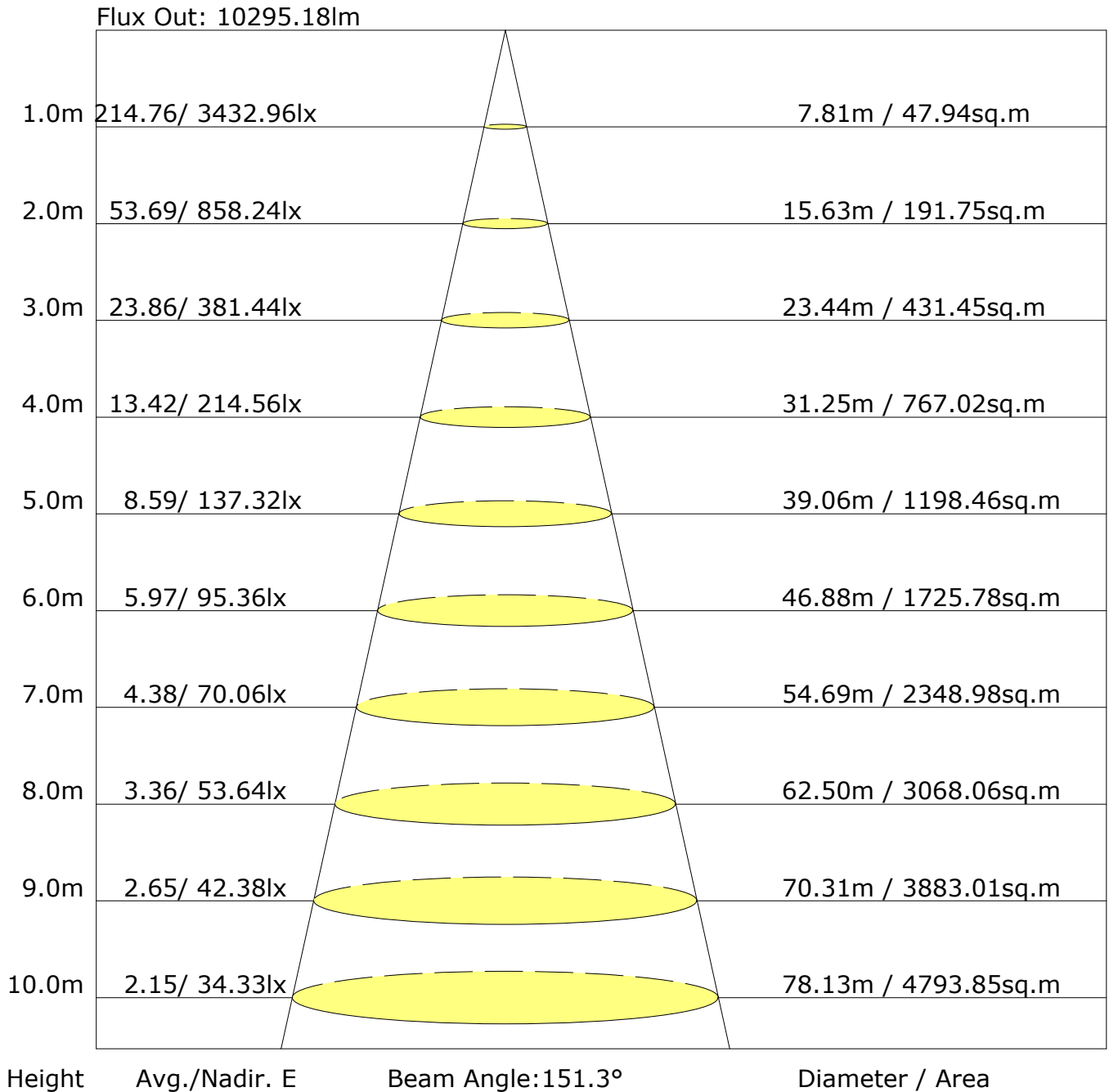
C Plane (°):0.0-360.0: 30.0

 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0

 Test Device: GPM-1600L  
 Distance: 6.847 m  
 Humidity:  
 Inspector:

## The Average Illuminance Effective Figure

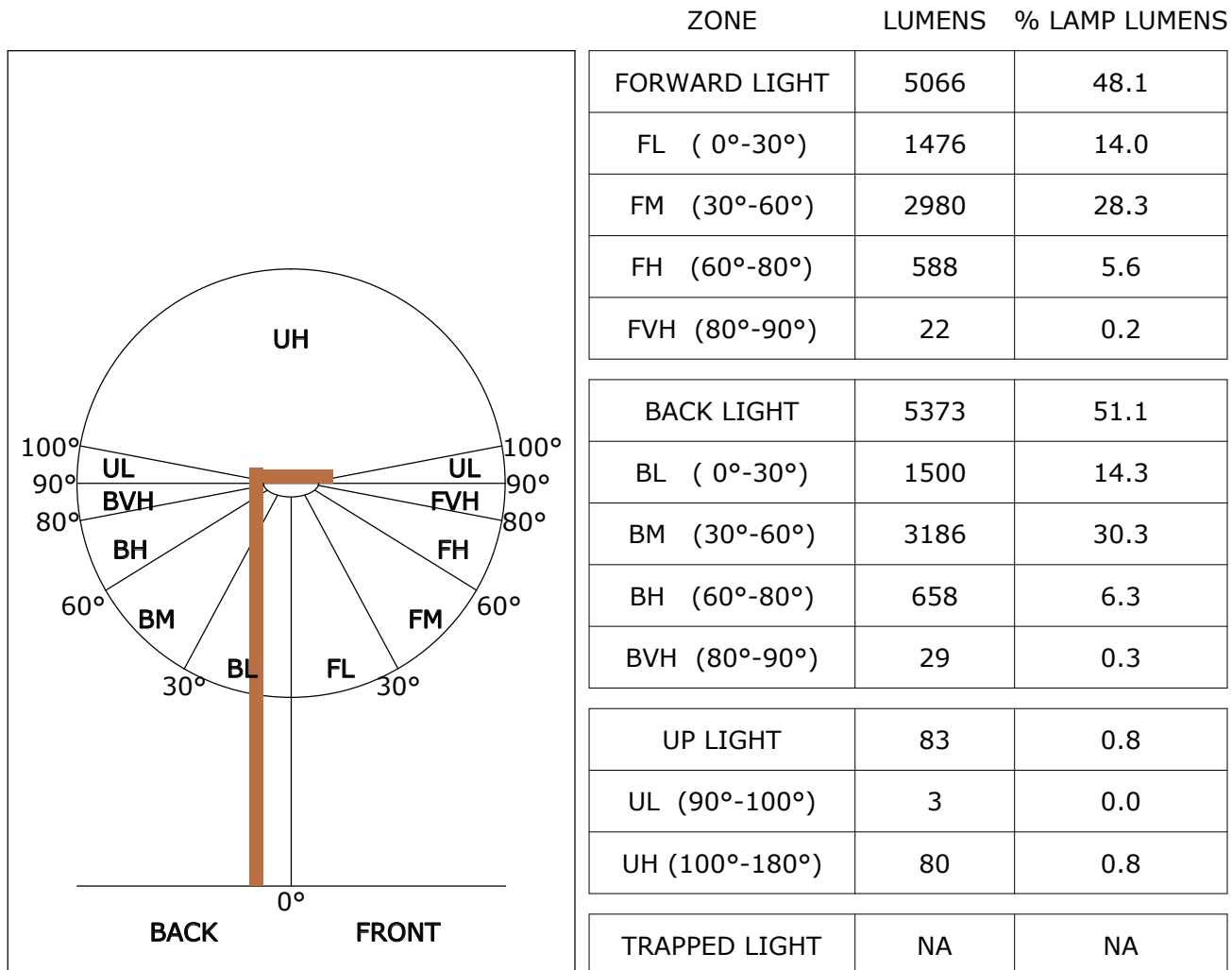


C Plane (°):0.0-360.0: 30.0

Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L  
 Distance: 6.847 m  
 Humidity:  
 Inspector:

**FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM**


BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B3 U2 G2
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B3 U2 G1

C Plane (°):0.0-360.0: 30.0

 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0

 Test Device: GPM-1600L  
 Distance: 6.847 m  
 Humidity:  
 Inspector:

## Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.50									
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	0.63	0.72	0.80	0.85	0.92	0.96	0.99	1.03	1.06	
	0.30		0.56	0.65	0.73	0.79	0.86	0.91	0.95	1.00	1.03	
	0.20		0.51	0.60	0.68	0.74	0.82	0.87	0.91	0.97	1.00	
0.50	0.50	0.20	0.62	0.70	0.77	0.82	0.89	0.93	0.95	0.99	1.01	
	0.30		0.55	0.64	0.72	0.77	0.84	0.89	0.92	0.96	0.99	
	0.20		0.51	0.59	0.67	0.73	0.80	0.85	0.89	0.94	0.97	
0.30	0.50	0.20	0.60	0.68	0.75	0.80	0.86	0.89	0.92	0.95	0.97	
	0.30		0.55	0.63	0.70	0.75	0.82	0.86	0.89	0.93	0.96	
	0.20		0.50	0.59	0.66	0.72	0.79	0.83	0.87	0.91	0.94	
0.00	0.00	0.00	0.48	0.56	0.64	0.69	0.75	0.80	0.83	0.86	0.89	
<p>Rating:101W Photometrically tested without ceiling board.            Multiply UF values by service correction factors            Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

C Plane (°):0.0-360.0: 30.0

Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L  
 Distance: 6.847 m  
 Humidity:  
 Inspector:

## Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.50									
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	0.89	0.74	0.61	0.53	0.41	0.34	0.29	0.22	0.18	
	0.30		0.74	0.63	0.53	0.47	0.37	0.31	0.27	0.21	0.17	
	0.20		0.64	0.55	0.47	0.42	0.34	0.29	0.25	0.20	0.16	
0.50	0.50	0.20	0.86	0.71	0.59	0.50	0.39	0.36	0.27	0.21	0.17	
	0.30		0.73	0.61	0.52	0.45	0.36	0.30	0.25	0.20	0.16	
	0.20		0.63	0.54	0.46	0.41	0.33	0.28	0.24	0.19	0.15	
0.30	0.50	0.20	0.83	0.68	0.56	0.48	0.37	0.30	0.26	0.20	0.16	
	0.30		0.71	0.60	0.50	0.43	0.34	0.28	0.24	0.19	0.15	
	0.20		0.62	0.53	0.45	0.40	0.32	0.27	0.23	0.18	0.15	
0.00	0.00	0.00	0.51	0.43	0.36	0.30	0.24	0.20	0.17	0.13	0.10	
<p>Rating:101W Photometrically tested without ceiling board.            Multiply UF values by service correction factors            Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

C Plane (°):0.0-360.0: 30.0

Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L  
 Distance: 6.847 m  
 Humidity:  
 Inspector:

## Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 1.50									
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	0.16	0.18	0.18	0.19	0.20	0.21	0.21	0.22	0.22	
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.20	
	0.20		0.06	0.07	0.09	0.10	0.12	0.14	0.15	0.17	0.18	
0.50	0.50	0.20	0.16	0.17	0.18	0.18	0.19	0.20	0.20	0.21	0.21	
	0.30		0.10	0.11	0.13	0.14	0.15	0.16	0.17	0.18	0.19	
	0.20		0.06	0.07	0.09	0.10	0.12	0.14	0.15	0.16	0.17	
0.30	0.50	0.20	0.15	0.16	0.17	0.18	0.18	0.19	0.19	0.20	0.20	
	0.30		0.10	0.11	0.12	0.13	0.15	0.16	0.17	0.18	0.19	
	0.20		0.06	0.07	0.09	0.10	0.12	0.13	0.14	0.16	0.17	
0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	

Rating:101W 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 Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L  
 Distance: 6.847 m  
 Humidity:  
 Inspector:



## Zonal Lumen

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	3447.4	3.3	3.3	0.03	0.03
1.0-2.0	3445.9	9.9	13.2	0.09	0.13
2.0-3.0	3442.3	16.5	29.7	0.16	0.28
3.0-4.0	3436.0	23.0	52.7	0.22	0.50
4.0-5.0	3427.2	29.5	82.1	0.28	0.78
5.0-6.0	3416.5	35.9	118.1	0.34	1.12
6.0-7.0	3404.8	42.3	160.3	0.40	1.52
7.0-8.0	3393.9	48.6	208.9	0.46	1.99
8.0-9.0	3385.1	54.9	263.8	0.52	2.51
9.0-10.0	3379.3	61.2	324.9	0.58	3.09
10.0-11.0	3376.3	67.5	392.4	0.64	3.73
11.0-12.0	3376.7	73.8	466.2	0.70	4.43
12.0-13.0	3380.2	80.2	546.5	0.76	5.19
13.0-14.0	3385.8	86.7	633.1	0.82	6.02
14.0-15.0	3393.2	93.2	726.3	0.89	6.90
15.0-16.0	3402.9	99.7	826.0	0.95	7.85
16.0-17.0	3414.9	106.4	932.4	1.01	8.86
17.0-18.0	3430.3	113.1	1045.5	1.08	9.94
18.0-19.0	3450.1	120.1	1165.6	1.14	11.08
19.0-20.0	3475.1	127.2	1292.8	1.21	12.29
20.0-21.0	3505.2	134.6	1427.4	1.28	13.57
21.0-22.0	3539.1	142.2	1569.6	1.35	14.92
22.0-23.0	3576.4	150.1	1719.7	1.43	16.34
23.0-24.0	3615.0	158.1	1877.8	1.50	17.85
24.0-25.0	3649.1	165.9	2043.7	1.58	19.42
25.0-26.0	3674.2	173.5	2217.2	1.65	21.07
26.0-27.0	3690.7	180.6	2397.8	1.72	22.79
27.0-28.0	3696.4	187.2	2584.9	1.78	24.57
28.0-29.0	3689.7	193.1	2778.0	1.83	26.40
29.0-30.0	3670.8	198.2	2976.2	1.88	28.29
30.0-31.0	3639.5	202.6	3178.8	1.93	30.21
31.0-32.0	3598.4	206.2	3385.0	1.96	32.17
32.0-33.0	3550.0	209.2	3594.1	1.99	34.16
33.0-34.0	3494.4	211.5	3805.6	2.01	36.17
34.0-35.0	3432.7	213.2	4018.9	2.03	38.20
35.0-36.0	3367.4	214.4	4233.3	2.04	40.23

C Plane (°):0.0-360.0: 30.0

 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0

 Test Device: GPM-1600L  
 Distance: 6.847 m  
 Humidity:  
 Inspector:

## Zonal Lumen (Continue 1)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	3300.1	215.3	4448.5	2.05	42.28
37.0-38.0	3231.9	215.8	4664.3	2.05	44.33
38.0-39.0	3164.0	216.0	4880.3	2.05	46.38
39.0-40.0	3097.2	216.0	5096.3	2.05	48.44
40.0-41.0	3031.0	215.9	5312.2	2.05	50.49
41.0-42.0	2965.6	215.5	5527.7	2.05	52.54
42.0-43.0	2901.6	215.0	5742.7	2.04	54.58
43.0-44.0	2838.5	214.3	5956.9	2.04	56.62
44.0-45.0	2779.4	213.6	6170.6	2.03	58.65
45.0-46.0	2727.1	213.3	6383.9	2.03	60.67
46.0-47.0	2677.6	213.0	6596.9	2.02	62.70
47.0-48.0	2628.4	212.5	6809.4	2.02	64.72
48.0-49.0	2577.2	211.7	7021.0	2.01	66.73
49.0-50.0	2523.1	210.4	7231.4	2.00	68.73
50.0-51.0	2467.9	208.8	7440.2	1.98	70.72
51.0-52.0	2411.6	207.0	7647.2	1.97	72.68
52.0-53.0	2353.0	204.7	7851.9	1.95	74.63
53.0-54.0	2288.9	201.8	8053.7	1.92	76.55
54.0-55.0	2217.2	197.9	8251.6	1.88	78.43
55.0-56.0	2136.8	193.1	8444.7	1.84	80.26
56.0-57.0	2045.3	187.0	8631.8	1.78	82.04
57.0-58.0	1940.7	179.5	8811.3	1.71	83.75
58.0-59.0	1823.2	170.5	8981.7	1.62	85.37
59.0-60.0	1694.3	160.1	9141.8	1.52	86.89
60.0-61.0	1555.2	148.4	9290.3	1.41	88.30
61.0-62.0	1412.3	136.1	9426.4	1.29	89.59
62.0-63.0	1270.4	123.6	9549.9	1.17	90.77
63.0-64.0	1127.6	110.7	9660.6	1.05	91.82
64.0-65.0	984.1	97.4	9758.0	0.93	92.74
65.0-66.0	849.7	84.8	9842.8	0.81	93.55
66.0-67.0	730.7	73.5	9916.3	0.70	94.25
67.0-68.0	630.5	63.9	9980.2	0.61	94.86
68.0-69.0	551.0	56.2	10036.4	0.53	95.39
69.0-70.0	488.4	50.2	10086.5	0.48	95.87
70.0-71.0	438.0	45.3	10131.8	0.43	96.30
71.0-72.0	395.8	41.2	10173.0	0.39	96.69

C Plane (°):0.0-360.0: 30.0

 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0

 Test Device: GPM-1600L  
 Distance: 6.847 m  
 Humidity:  
 Inspector:

## Zonal Lumen (Continue 2)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	358.9	37.5	10210.5	0.36	97.05
73.0-74.0	324.2	34.1	10244.6	0.32	97.37
74.0-75.0	292.9	30.9	10275.6	0.29	97.66
75.0-76.0	263.8	28.0	10303.6	0.27	97.93
76.0-77.0	236.2	25.2	10328.7	0.24	98.17
77.0-78.0	209.8	22.5	10351.2	0.21	98.38
78.0-79.0	183.6	19.7	10370.9	0.19	98.57
79.0-80.0	157.7	17.0	10387.9	0.16	98.73
80.0-81.0	132.7	14.4	10402.3	0.14	98.87
81.0-82.0	108.6	11.8	10414.1	0.11	98.98
82.0-83.0	85.2	9.3	10423.3	0.09	99.07
83.0-84.0	62.6	6.8	10430.2	0.06	99.13
84.0-85.0	41.7	4.5	10434.7	0.04	99.18
85.0-86.0	22.6	2.5	10437.2	0.02	99.20
86.0-87.0	8.8	1.0	10438.1	0.01	99.21
87.0-88.0	3.1	0.3	10438.5	0.00	99.21
88.0-89.0	1.5	0.2	10438.6	0.00	99.21
89.0-90.0	1.1	0.1	10438.8	0.00	99.21
90.0-91.0	1.3	0.1	10438.9	0.00	99.22
91.0-92.0	1.5	0.2	10439.1	0.00	99.22
92.0-93.0	1.7	0.2	10439.2	0.00	99.22
93.0-94.0	1.8	0.2	10439.4	0.00	99.22
94.0-95.0	2.1	0.2	10439.7	0.00	99.22
95.0-96.0	2.5	0.3	10439.9	0.00	99.23
96.0-97.0	2.8	0.3	10440.2	0.00	99.23
97.0-98.0	3.2	0.4	10440.6	0.00	99.23
98.0-99.0	3.5	0.4	10441.0	0.00	99.24
99.0-100.0	3.8	0.4	10441.4	0.00	99.24
100.0-101.0	4.3	0.5	10441.8	0.00	99.24
101.0-102.0	4.7	0.5	10442.4	0.00	99.25
102.0-103.0	5.0	0.5	10442.9	0.01	99.25
103.0-104.0	5.2	0.5	10443.4	0.01	99.26
104.0-105.0	5.7	0.6	10444.0	0.01	99.26
105.0-106.0	6.2	0.7	10444.7	0.01	99.27
106.0-107.0	6.5	0.7	10445.4	0.01	99.28
107.0-108.0	7.0	0.7	10446.1	0.01	99.28

C Plane (°):0.0-360.0: 30.0

 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0

 Test Device: GPM-1600L  
 Distance: 6.847 m  
 Humidity:  
 Inspector:

### Zonal Lumen (Continue 3)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	7.4	0.8	10446.9	0.01	99.29
109.0-110.0	7.8	0.8	10447.7	0.01	99.30
110.0-111.0	8.2	0.8	10448.5	0.01	99.31
111.0-112.0	8.7	0.9	10449.4	0.01	99.32
112.0-113.0	9.0	0.9	10450.3	0.01	99.32
113.0-114.0	9.4	0.9	10451.3	0.01	99.33
114.0-115.0	10.0	1.0	10452.3	0.01	99.34
115.0-116.0	10.4	1.0	10453.3	0.01	99.35
116.0-117.0	10.8	1.1	10454.4	0.01	99.36
117.0-118.0	11.3	1.1	10455.5	0.01	99.37
118.0-119.0	11.7	1.1	10456.6	0.01	99.38
119.0-120.0	12.1	1.2	10457.7	0.01	99.39
120.0-121.0	12.4	1.2	10458.9	0.01	99.41
121.0-122.0	12.8	1.2	10460.1	0.01	99.42
122.0-123.0	13.4	1.2	10461.4	0.01	99.43
123.0-124.0	13.8	1.3	10462.6	0.01	99.44
124.0-125.0	14.1	1.3	10463.9	0.01	99.45
125.0-126.0	14.6	1.3	10465.2	0.01	99.47
126.0-127.0	15.0	1.3	10466.5	0.01	99.48
127.0-128.0	15.5	1.3	10467.9	0.01	99.49
128.0-129.0	16.0	1.4	10469.2	0.01	99.50
129.0-130.0	16.4	1.4	10470.6	0.01	99.52
130.0-131.0	16.9	1.4	10472.0	0.01	99.53
131.0-132.0	17.3	1.4	10473.5	0.01	99.54
132.0-133.0	17.6	1.4	10474.9	0.01	99.56
133.0-134.0	17.9	1.4	10476.3	0.01	99.57
134.0-135.0	18.2	1.4	10477.7	0.01	99.58
135.0-136.0	18.6	1.4	10479.2	0.01	99.60
136.0-137.0	19.1	1.4	10480.6	0.01	99.61
137.0-138.0	19.5	1.4	10482.0	0.01	99.63
138.0-139.0	19.8	1.4	10483.5	0.01	99.64
139.0-140.0	20.2	1.4	10484.9	0.01	99.65
140.0-141.0	20.6	1.4	10486.3	0.01	99.67
141.0-142.0	21.1	1.4	10487.8	0.01	99.68
142.0-143.0	21.5	1.4	10489.2	0.01	99.69
143.0-144.0	21.6	1.4	10490.6	0.01	99.71

C Plane (°):0.0-360.0: 30.0

 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0

 Test Device: GPM-1600L  
 Distance: 6.847 m  
 Humidity:  
 Inspector:

## Zonal Lumen (Continue 4)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	21.9	1.4	10492.0	0.01	99.72
145.0-146.0	22.5	1.4	10493.4	0.01	99.73
146.0-147.0	22.9	1.4	10494.8	0.01	99.75
147.0-148.0	23.3	1.4	10496.2	0.01	99.76
148.0-149.0	23.6	1.4	10497.5	0.01	99.77
149.0-150.0	23.8	1.3	10498.9	0.01	99.79
150.0-151.0	24.3	1.3	10500.2	0.01	99.80
151.0-152.0	24.8	1.3	10501.5	0.01	99.81
152.0-153.0	24.9	1.3	10502.7	0.01	99.82
153.0-154.0	25.1	1.2	10504.0	0.01	99.83
154.0-155.0	25.4	1.2	10505.2	0.01	99.85
155.0-156.0	25.7	1.2	10506.3	0.01	99.86
156.0-157.0	26.0	1.1	10507.5	0.01	99.87
157.0-158.0	26.3	1.1	10508.6	0.01	99.88
158.0-159.0	26.7	1.1	10509.6	0.01	99.89
159.0-160.0	26.9	1.0	10510.7	0.01	99.90
160.0-161.0	27.0	1.0	10511.7	0.01	99.91
161.0-162.0	27.3	0.9	10512.6	0.01	99.92
162.0-163.0	27.5	0.9	10513.5	0.01	99.92
163.0-164.0	27.7	0.9	10514.4	0.01	99.93
164.0-165.0	27.9	0.8	10515.2	0.01	99.94
165.0-166.0	28.2	0.8	10516.0	0.01	99.95
166.0-167.0	28.4	0.7	10516.7	0.01	99.96
167.0-168.0	28.5	0.7	10517.4	0.01	99.96
168.0-169.0	28.8	0.6	10518.0	0.01	99.97
169.0-170.0	29.0	0.6	10518.6	0.01	99.97
170.0-171.0	29.2	0.5	10519.1	0.01	99.98
171.0-172.0	29.4	0.5	10519.6	0.00	99.98
172.0-173.0	29.6	0.4	10520.0	0.00	99.99
173.0-174.0	29.9	0.4	10520.4	0.00	99.99
174.0-175.0	30.0	0.3	10520.7	0.00	99.99
175.0-176.0	30.0	0.3	10521.0	0.00	100.00
176.0-177.0	30.2	0.2	10521.2	0.00	100.00
177.0-178.0	30.2	0.1	10521.3	0.00	100.00
178.0-179.0	30.3	0.1	10521.4	0.00	100.00
179.0-180.0	30.4	0.0	10521.4	0.00	100.00

C Plane (°):0.0-360.0: 30.0

 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0

 Test Device: GPM-1600L  
 Distance: 6.847 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	3433.0	3427.7	3421.6	3500.0	3462.0	3442.2	3433.0	3427.7	3421.6	3500.0
G1.0	3424.6	3420.3	3419.7	3500.6	3462.4	3443.3	3437.0	3431.5	3423.3	3503.8
G2.0	3411.7	3409.0	3415.7	3502.1	3463.9	3443.1	3434.0	3431.3	3426.2	3507.8
G3.0	3392.2	3393.0	3412.8	3507.2	3464.5	3435.1	3422.7	3423.9	3428.1	3515.4
G4.0	3366.1	3371.6	3407.3	3511.8	3465.1	3421.8	3404.0	3413.0	3428.1	3526.1
G5.0	3333.5	3344.5	3402.3	3521.5	3467.0	3407.1	3377.5	3395.3	3429.6	3538.5
G6.0	3296.5	3315.2	3394.3	3532.0	3469.5	3388.0	3348.7	3374.1	3431.3	3554.2
G7.0	3256.2	3284.6	3384.4	3545.9	3473.5	3368.2	3323.6	3351.0	3433.8	3571.5
G8.0	3215.2	3252.2	3374.7	3561.6	3480.3	3355.2	3307.2	3332.9	3436.1	3591.9
G9.0	3173.8	3218.8	3365.3	3577.8	3488.7	3346.8	3301.8	3322.2	3439.5	3615.9
G10.0	3134.0	3184.7	3356.7	3598.4	3498.3	3348.5	3309.3	3318.4	3444.7	3642.1
G11.0	3088.0	3149.8	3347.6	3618.8	3512.4	3359.4	3331.4	3322.8	3450.8	3670.1
G12.0	3038.0	3112.8	3338.4	3644.6	3533.4	3379.6	3371.6	3337.3	3461.3	3699.7
G13.0	2982.9	3072.0	3328.5	3670.7	3560.1	3406.5	3418.9	3359.0	3476.1	3735.0
G14.0	2917.7	3024.9	3317.8	3701.4	3592.1	3440.3	3479.6	3393.9	3495.8	3770.8
G15.0	2843.7	2970.1	3304.7	3734.8	3630.8	3479.6	3550.5	3436.5	3521.2	3812.8
G16.0	2763.2	2908.1	3290.4	3771.4	3675.3	3524.6	3645.9	3487.6	3551.9	3859.1
G17.0	2675.8	2838.7	3272.8	3812.4	3724.1	3574.4	3760.7	3540.4	3589.6	3912.7
G18.0	2586.6	2765.1	3251.8	3858.8	3778.5	3642.1	3900.1	3604.3	3636.4	3969.2
G19.0	2491.8	2685.2	3227.2	3909.9	3835.9	3714.6	4066.5	3677.2	3687.5	4039.4
G20.0	2392.6	2601.2	3201.1	3975.1	3903.2	3804.4	4269.2	3760.1	3746.6	4116.1
G21.0	2288.8	2511.6	3170.2	4046.1	3967.5	3912.5	4472.9	3860.5	3812.2	4206.3
G22.0	2180.1	2415.1	3132.6	4128.1	4044.7	4041.7	4659.1	3986.2	3882.0	4315.6
G23.0	2071.4	2317.6	3091.8	4228.0	4121.6	4181.3	4825.2	4126.2	3957.2	4438.6
G24.0	1958.3	2211.4	3046.4	4341.7	4203.2	4314.2	4994.6	4255.9	4038.6	4577.8
G25.0	1848.4	2104.8	2998.9	4450.0	4285.8	4413.0	5126.0	4369.7	4124.6	4702.8
G26.0	1731.5	1990.9	2940.2	4548.4	4368.0	4501.5	5221.9	4470.1	4213.9	4818.7
G27.0	1620.3	1883.5	2881.6	4628.0	4450.0	4581.1	5267.5	4560.1	4304.3	4924.2
G28.0	1508.1	1769.1	2817.9	4689.8	4529.2	4639.8	5262.6	4630.1	4388.8	5012.1
G29.0	1408.2	1658.1	2748.9	4744.3	4606.2	4670.7	5206.3	4675.7	4472.0	5071.8
G30.0	1304.8	1548.8	2676.4	4790.7	4689.2	4667.9	5099.5	4689.2	4547.1	5111.3
G31.0	1207.9	1443.7	2599.7	4830.0	4777.1	4625.9	4949.8	4661.6	4623.4	5137.8
G32.0	1117.9	1342.0	2515.4	4864.5	4867.7	4542.9	4775.4	4601.3	4708.5	5158.6
G33.0	1036.3	1245.5	2433.2	4906.5	4975.3	4416.5	4558.4	4496.6	4800.8	5189.9
G34.0	960.3	1150.9	2337.6	4963.7	5080.8	4256.6	4290.6	4351.8	4895.0	5234.1
G35.0	887.5	1060.1	2241.1	5029.1	5196.2	4086.3	3966.3	4182.8	4988.3	5295.0
G36.0	824.9	977.7	2135.3	5100.3	5299.9	3916.4	3590.8	4003.3	5083.1	5375.1

C Plane (°):0.0-360.0: 30.0

Gamma Plane (°):0.0-180.0:1.0

Test Type: TYPE C

Test Device: GPM-1600L

Temperature:

Distance: 6.847 m

Operator:

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	770.2	904.5	2029.8	5184.0	5408.5	3727.9	3174.4	3803.3	5183.4	5474.3
G38.0	720.2	838.3	1919.6	5266.2	5507.1	3527.8	2765.5	3604.9	5279.2	5580.7
G39.0	680.7	782.0	1806.1	5360.0	5613.5	3291.5	2369.5	3380.2	5383.5	5699.0
G40.0	643.2	731.5	1688.4	5450.4	5707.9	3041.1	2034.6	3129.8	5487.1	5821.6
G41.0	614.4	687.6	1571.5	5549.0	5787.3	2759.7	1747.1	2853.8	5583.0	5953.6
G42.0	590.5	648.9	1453.6	5643.5	5849.3	2474.2	1501.1	2565.8	5666.7	6096.6
G43.0	575.8	617.6	1337.2	5748.4	5901.9	2182.6	1282.3	2279.3	5734.1	6231.5
G44.0	563.8	592.8	1221.8	5853.3	5924.6	1903.3	1094.2	1999.3	5775.1	6372.6
G45.0	556.9	573.0	1117.7	5959.7	5920.0	1648.1	947.0	1758.0	5788.0	6515.5
G46.0	552.0	556.4	1020.6	6061.7	5881.9	1443.1	847.6	1549.5	5770.1	6656.6
G47.0	548.2	541.9	933.5	6158.8	5804.6	1255.2	771.7	1353.3	5722.6	6787.7
G48.0	541.5	528.9	849.3	6245.2	5701.3	1093.1	711.8	1198.0	5637.4	6920.4
G49.0	536.7	517.7	780.1	6313.1	5552.5	949.9	658.8	1049.6	5512.2	7031.1
G50.0	530.8	508.3	718.1	6360.8	5374.3	833.1	618.9	928.1	5359.3	7130.2
G51.0	532.0	501.1	667.8	6389.6	5160.9	745.4	581.4	830.7	5170.1	7209.8
G52.0	541.5	494.0	621.2	6391.5	4937.0	682.8	554.3	757.0	4954.1	7267.2
G53.0	559.2	486.6	582.5	6369.4	4691.1	632.3	533.5	695.2	4706.6	7295.0
G54.0	581.0	477.8	547.8	6325.0	4411.1	587.5	516.7	645.8	4434.8	7283.4
G55.0	598.9	469.6	519.2	6247.9	4089.5	552.4	504.5	602.5	4149.1	7230.2
G56.0	609.0	460.8	494.0	6140.7	3744.1	522.2	491.5	568.0	3841.8	7129.1
G57.0	609.6	452.2	473.6	5975.7	3360.4	498.2	481.4	536.3	3514.3	6978.4
G58.0	602.7	442.9	454.5	5757.7	2954.5	478.2	469.8	512.5	3170.2	6746.9
G59.0	591.5	434.1	436.6	5474.1	2549.0	459.7	458.5	490.8	2812.4	6443.8
G60.0	578.7	425.7	419.8	5126.8	2154.0	444.8	449.6	471.9	2458.2	6044.4
G61.0	569.5	418.1	404.9	4717.8	1775.2	429.0	441.4	453.4	2100.2	5569.6
G62.0	564.8	412.0	389.9	4287.9	1459.3	415.0	434.9	436.2	1784.7	5019.4
G63.0	568.2	405.7	373.1	3808.8	1177.8	400.9	432.6	419.8	1485.6	4451.9
G64.0	587.3	399.6	358.8	3306.4	958.1	388.3	433.7	403.0	1219.0	3773.3
G65.0	623.3	393.5	341.4	2744.9	779.7	375.0	445.9	388.3	985.7	3049.3
G66.0	684.0	385.9	325.2	2205.8	640.3	362.6	472.8	375.9	800.5	2400.6
G67.0	768.1	374.4	307.3	1698.5	521.3	350.6	512.9	363.0	647.4	1777.8
G68.0	860.4	360.5	289.3	1286.9	435.6	334.9	559.6	351.3	541.1	1280.4
G69.0	938.4	345.4	273.5	934.0	371.6	319.3	599.3	338.9	461.4	895.5
G70.0	981.1	333.0	253.5	684.0	325.6	304.4	607.5	325.4	403.8	643.9
G71.0	1000.0	319.9	232.5	501.1	293.5	288.2	582.5	311.3	361.4	444.2
G72.0	984.6	305.2	212.7	368.5	266.1	274.1	537.7	298.7	329.2	342.7
G73.0	943.4	283.1	190.0	283.1	240.9	258.1	471.1	284.0	300.0	275.0

C Plane (°):0.0-360.0: 30.0

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Test Type: TYPE C

Distance: 6.847 m

Temperature:

Humidity:

Operator:

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	884.8	258.3	172.2	223.3	215.5	243.9	407.4	269.9	271.6	229.1
G75.0	819.2	234.0	152.2	184.6	191.3	228.9	360.5	257.5	245.5	193.2
G76.0	747.5	209.2	129.5	150.7	170.9	213.4	324.4	242.0	217.6	162.5
G77.0	677.1	185.0	108.5	124.0	149.7	196.1	294.1	227.7	194.7	135.2
G78.0	607.7	163.1	90.2	100.7	125.3	176.6	265.7	209.6	172.0	110.6
G79.0	535.0	139.2	69.2	81.1	107.6	155.6	232.9	190.9	150.3	88.7
G80.0	464.6	113.7	51.1	62.6	87.7	135.8	205.4	169.4	128.4	71.9
G81.0	393.1	92.3	35.9	47.3	70.2	117.1	176.8	144.8	111.0	54.9
G82.0	322.5	66.8	22.9	34.9	51.5	95.0	147.8	124.9	92.1	40.3
G83.0	253.3	46.9	11.4	22.5	36.6	73.1	119.2	100.9	76.1	27.1
G84.0	180.8	27.7	5.5	12.0	21.9	46.9	89.1	77.8	57.8	14.5
G85.0	118.6	9.7	4.0	7.4	6.9	26.5	63.1	52.6	41.0	6.9
G86.0	18.9	1.9	2.5	6.1	2.1	9.9	35.5	28.4	24.0	4.6
G87.0	0.4	0.2	1.9	4.2	2.7	2.1	9.9	11.4	9.2	4.0
G88.0	0.8	0.4	1.7	4.4	1.7	0.0	0.4	1.5	3.1	2.9
G89.0	0.2	0.6	2.1	3.6	0.0	0.0	0.2	0.6	0.8	2.9
G90.0	0.0	0.6	2.7	4.4	0.0	0.0	0.0	0.0	1.0	2.7
G91.0	0.4	0.6	3.6	5.0	0.4	0.0	0.2	0.0	0.8	4.6
G92.0	0.0	0.0	3.4	5.3	1.5	0.0	0.2	0.0	0.8	5.5
G93.0	0.0	0.0	4.0	5.9	1.5	0.0	0.2	0.0	0.0	5.0
G94.0	0.0	0.0	4.6	6.5	1.0	0.0	0.2	0.0	0.0	5.0
G95.0	0.8	1.3	5.9	7.1	2.3	0.0	0.4	0.2	0.0	5.9
G96.0	0.8	1.3	6.3	7.6	1.9	0.0	0.6	0.4	0.4	7.1
G97.0	0.2	1.7	7.4	8.2	2.5	0.6	0.2	0.0	1.9	7.1
G98.0	0.6	2.1	7.6	9.0	3.4	0.8	0.8	0.0	2.3	8.6
G99.0	0.2	1.0	7.6	9.9	3.1	0.8	0.4	0.0	2.5	8.0
G100.0	0.2	1.5	9.2	10.5	3.8	0.8	1.0	1.0	2.5	8.6
G101.0	0.8	2.9	10.1	11.1	4.4	0.6	1.5	1.0	2.3	9.5
G102.0	1.5	3.1	10.5	11.1	4.6	0.6	1.5	1.0	2.5	10.7
G103.0	0.8	2.5	11.4	11.8	5.3	1.0	0.6	0.2	4.2	10.5
G104.0	1.3	2.9	10.7	12.4	5.5	1.0	0.4	0.4	4.6	11.8
G105.0	1.7	4.2	11.1	13.0	5.9	1.3	1.7	1.5	3.8	12.4
G106.0	2.1	5.0	12.0	14.1	6.5	1.5	1.9	1.7	4.2	12.4
G107.0	1.9	4.4	12.6	14.3	7.4	1.7	2.1	0.4	4.8	13.5
G108.0	2.5	6.1	13.2	14.9	7.8	1.7	0.6	1.0	6.3	13.9
G109.0	2.9	5.5	14.7	15.8	8.2	2.1	0.8	1.0	6.7	14.3
G110.0	3.6	6.1	14.5	16.2	8.6	2.1	0.6	2.3	7.1	14.7

C Plane (°):0.0-360.0: 30.0

Gamma Plane (°):0.0-180.0:1.0

Test Type: TYPE C

Test Device: GPM-1600L

Temperature:

Distance: 6.847 m

Operator:

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	4.0	6.7	14.9	16.8	9.0	2.5	2.5	1.5	6.7	15.6
G112.0	4.0	8.2	15.3	17.4	9.5	2.5	1.0	2.7	6.9	16.0
G113.0	4.4	8.2	15.8	18.3	10.1	2.5	1.5	1.5	8.6	16.2
G114.0	5.7	8.6	17.0	17.9	11.4	2.9	1.7	1.7	9.2	16.8
G115.0	6.3	10.1	17.4	18.9	11.4	3.4	1.7	1.9	9.9	17.2
G116.0	6.7	10.1	17.7	18.7	11.8	3.8	1.7	2.5	10.5	17.4
G117.0	7.4	10.5	18.3	19.3	13.0	3.8	2.1	3.4	9.5	17.9
G118.0	6.9	11.8	18.3	19.8	13.5	4.4	3.6	2.5	11.1	18.3
G119.0	8.8	11.6	18.7	20.6	13.2	4.4	2.5	4.0	10.7	18.9
G120.0	8.2	13.2	19.1	20.4	13.7	4.6	2.9	4.4	12.6	18.9
G121.0	8.4	13.5	19.1	21.4	14.1	5.0	2.9	3.6	11.8	19.3
G122.0	10.3	14.1	19.5	21.0	15.8	5.9	3.4	3.8	12.2	20.0
G123.0	10.9	14.1	20.2	21.6	16.0	6.3	3.8	4.4	13.7	20.2
G124.0	10.7	15.1	20.0	22.5	15.6	6.9	4.4	4.8	13.2	20.4
G125.0	11.1	15.8	20.6	22.3	16.0	7.1	4.4	5.3	14.7	21.0
G126.0	11.6	15.8	21.6	22.3	16.4	7.6	5.0	6.5	14.1	21.2
G127.0	13.2	16.2	21.2	22.7	17.0	7.8	5.0	7.1	15.3	21.6
G128.0	13.7	16.6	22.5	23.7	17.0	8.2	5.5	7.8	14.7	22.1
G129.0	14.3	17.9	22.7	23.1	18.9	8.2	5.9	6.7	16.6	22.1
G130.0	14.7	17.9	22.5	23.5	18.1	9.2	6.1	8.2	16.8	22.7
G131.0	14.1	18.1	24.0	24.2	19.8	9.7	6.5	8.6	17.2	22.9
G132.0	16.0	18.7	24.2	24.6	18.9	10.1	7.1	7.8	17.4	23.1
G133.0	15.6	19.8	24.8	24.6	19.3	10.1	7.1	9.2	17.0	22.9
G134.0	16.0	20.4	24.0	24.6	20.0	11.1	7.6	9.0	17.2	23.3
G135.0	17.2	20.2	25.9	24.6	20.4	10.9	8.4	10.1	17.7	24.0
G136.0	17.4	20.4	26.1	25.7	20.4	11.8	8.8	10.7	18.1	24.4
G137.0	18.1	21.6	26.5	25.0	22.1	12.0	9.2	10.3	18.9	24.4
G138.0	18.3	22.1	26.1	25.2	22.5	12.6	9.7	11.6	19.3	24.4
G139.0	18.9	22.7	26.3	25.7	21.9	13.5	9.2	11.8	18.9	24.4
G140.0	19.5	22.9	27.7	26.7	22.3	13.7	9.9	12.2	19.8	25.0
G141.0	19.5	22.7	28.2	26.9	23.7	13.2	11.1	12.0	20.0	25.9
G142.0	20.2	23.3	28.6	27.3	24.2	14.5	11.8	12.6	20.4	26.1
G143.0	20.8	24.2	27.5	27.1	23.1	14.9	11.4	13.5	20.4	26.5
G144.0	21.0	24.8	27.7	28.4	23.5	15.3	11.6	13.5	20.0	26.3
G145.0	21.9	25.0	29.2	28.4	23.7	15.6	13.2	13.7	20.4	26.7
G146.0	22.1	25.2	29.2	28.4	24.0	16.4	13.2	14.9	20.4	28.0
G147.0	22.5	25.9	28.6	29.6	25.7	16.8	12.8	14.7	21.4	27.3

C Plane (°):0.0-360.0: 30.0

 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0

 Test Device: GPM-1600L  
 Distance: 6.847 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	23.1	26.3	30.1	29.8	25.7	17.2	13.5	15.8	20.8	28.2
G149.0	23.5	26.7	30.3	30.7	24.8	17.2	14.7	15.3	21.9	28.2
G150.0	24.0	26.7	29.6	30.7	25.9	17.7	14.1	16.0	21.4	28.6
G151.0	24.4	26.9	30.5	30.9	25.0	18.3	15.8	16.8	22.5	29.6
G152.0	24.8	28.0	30.1	31.3	26.5	18.5	16.4	17.0	21.9	29.2
G153.0	24.6	27.3	30.5	30.7	25.2	18.9	16.6	17.2	22.3	29.4
G154.0	24.8	27.7	31.3	31.1	26.5	19.3	17.7	17.7	22.1	30.5
G155.0	25.4	27.7	31.1	30.9	26.9	19.8	16.6	18.1	22.5	30.5
G156.0	26.5	28.2	31.3	31.1	25.9	20.2	17.2	18.3	22.5	30.9
G157.0	25.7	28.4	31.3	31.8	27.1	20.4	18.7	18.7	23.3	31.1
G158.0	27.1	28.6	31.5	31.3	27.3	20.8	19.3	18.9	23.1	31.1
G159.0	27.5	29.2	31.5	31.8	27.5	21.6	20.0	19.8	23.1	31.1
G160.0	28.0	29.2	31.3	32.2	27.7	21.6	20.2	19.8	23.5	30.3
G161.0	28.6	29.6	31.3	31.3	27.5	22.3	20.0	20.6	23.5	30.3
G162.0	29.0	29.4	31.3	31.3	26.9	23.1	21.0	20.8	24.6	31.3
G163.0	28.2	29.4	31.1	31.8	28.0	23.5	21.0	21.4	24.2	31.5
G164.0	29.6	30.1	30.9	31.8	28.4	24.0	22.1	21.9	25.0	30.3
G165.0	28.8	30.5	30.7	31.3	28.4	24.2	21.9	22.5	24.8	31.5
G166.0	29.2	30.1	30.7	31.9	28.4	25.2	22.9	22.9	24.8	31.8
G167.0	30.7	30.5	30.5	31.3	28.2	24.6	23.1	23.1	25.7	31.8
G168.0	29.8	30.7	30.3	31.5	28.8	25.0	23.7	24.0	26.3	31.8
G169.0	30.3	30.9	30.5	31.8	29.0	26.5	24.6	24.2	26.5	31.8
G170.0	31.5	31.1	31.5	31.8	29.0	25.9	25.0	24.6	26.3	30.3
G171.0	31.5	30.7	29.8	31.5	29.4	26.5	25.4	25.2	26.5	31.3
G172.0	30.5	31.3	29.6	31.8	29.8	27.7	26.1	26.1	26.9	31.8
G173.0	30.7	30.7	30.1	31.8	30.1	28.4	26.3	26.3	28.4	31.9
G174.0	31.8	31.3	31.3	31.9	30.1	29.0	27.1	26.7	28.0	30.9
G175.0	31.5	31.1	30.9	31.5	30.3	29.2	27.3	27.1	28.6	30.7
G176.0	30.3	30.7	29.6	31.8	30.5	29.8	28.6	28.6	28.4	31.8
G177.0	30.1	30.9	29.4	32.2	30.5	29.8	29.0	29.0	29.4	31.8
G178.0	29.8	29.8	29.2	31.9	30.3	29.2	28.4	29.4	29.4	31.8
G179.0	31.1	29.6	30.3	31.3	31.1	30.9	28.8	29.6	29.8	31.3
G180.0	30.5	30.3	29.6	32.4	31.1	29.8	29.2	30.1	29.0	31.3

C Plane (°):0.0-360.0: 30.0

Gamma Plane (°):0.0-180.0:1.0

Test Type: TYPE C

Test Device: GPM-1600L

Temperature:

Distance: 6.847 m

Operator:

Humidity:

Inspector:

## Candlepower Table (Continue 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	3462.0	3442.2	3433.0							
G1.0	3462.4	3435.3	3424.6							
G2.0	3463.2	3428.5	3411.7							
G3.0	3464.5	3419.5	3392.2							
G4.0	3466.4	3404.0	3366.1							
G5.0	3467.6	3383.6	3333.5							
G6.0	3467.2	3357.7	3296.5							
G7.0	3465.7	3327.9	3256.2							
G8.0	3463.0	3297.0	3215.2							
G9.0	3460.7	3265.2	3173.8							
G10.0	3456.7	3234.5	3134.0							
G11.0	3453.1	3201.1	3088.0							
G12.0	3450.0	3168.5	3038.0							
G13.0	3446.2	3132.6	2982.9							
G14.0	3442.6	3092.8	2917.7							
G15.0	3437.2	3046.0	2843.7							
G16.0	3431.5	2992.3	2763.2							
G17.0	3425.0	2929.5	2675.8							
G18.0	3415.9	2863.3	2586.6							
G19.0	3405.0	2790.1	2491.8							
G20.0	3390.1	2711.7	2392.6							
G21.0	3374.5	2629.5	2288.8							
G22.0	3357.9	2541.5	2180.1							
G23.0	3337.7	2453.4	2071.4							
G24.0	3313.1	2355.4	1958.3							
G25.0	3287.3	2257.5	1848.4							
G26.0	3253.7	2153.0	1731.5							
G27.0	3214.8	2049.8	1620.3							
G28.0	3163.3	1937.9	1508.1							
G29.0	3108.2	1834.1	1408.2							
G30.0	3044.3	1724.8	1304.8							
G31.0	2980.4	1616.5	1207.9							
G32.0	2907.9	1505.1	1117.9							
G33.0	2833.2	1401.1	1036.3							
G34.0	2754.0	1298.1	960.3							
G35.0	2678.1	1200.3	887.5							
G36.0	2587.5	1111.6	824.9							

C Plane (°):0.0-360.0: 30.0

Gamma Plane (°):0.0-180.0:1.0

Test Type: TYPE C

Test Device: GPM-1600L

Temperature:

Distance: 6.847 m

Operator:

Humidity:

Inspector:

## Candlepower Table (Continue 6)

Unit: cd

G\C	C300.0	C330.0	C360.0						
G37.0	2505.3	1029.6	770.2						
G38.0	2411.3	949.9	720.2						
G39.0	2314.2	884.6	680.7						
G40.0	2211.4	821.5	643.2						
G41.0	2101.9	766.8	614.4						
G42.0	1993.9	715.1	590.5						
G43.0	1873.2	674.6	575.8						
G44.0	1749.8	635.9	563.8						
G45.0	1630.4	605.4	556.9						
G46.0	1510.8	580.0	552.0						
G47.0	1393.7	562.1	548.2						
G48.0	1276.6	545.1	541.5						
G49.0	1169.0	533.1	536.7						
G50.0	1068.3	520.3	530.8						
G51.0	979.6	511.0	532.0						
G52.0	897.2	502.0	541.5						
G53.0	826.3	494.8	559.2						
G54.0	762.6	486.4	581.0						
G55.0	709.2	478.9	598.9						
G56.0	658.4	470.9	609.0						
G57.0	614.4	463.5	609.6						
G58.0	573.0	455.7	602.7						
G59.0	538.8	448.6	591.5						
G60.0	509.8	441.0	578.7						
G61.0	486.4	433.9	569.5						
G62.0	465.2	427.1	564.8						
G63.0	445.9	421.7	568.2						
G64.0	427.6	416.4	587.3						
G65.0	407.4	411.6	623.3						
G66.0	385.9	407.6	684.0						
G67.0	366.6	402.3	768.1						
G68.0	348.7	392.0	860.4						
G69.0	330.7	376.3	938.4						
G70.0	313.4	362.2	981.1						
G71.0	294.9	345.4	1000.0						
G72.0	276.6	327.5	984.6						
G73.0	254.4	306.9	943.4						

C Plane (°):0.0-360.0: 30.0

Gamma Plane (°):0.0-180.0:1.0

Test Type: TYPE C

Test Device: GPM-1600L

Temperature:

Distance: 6.847 m

Operator:

Humidity:

Inspector:

## Candlepower Table (Continue 7)

Unit: cd

G\C	C300.0	C330.0	C360.0						
G74.0	231.0	284.4	884.8						
G75.0	208.7	261.5	819.2						
G76.0	187.7	238.8	747.5						
G77.0	166.1	216.3	677.1						
G78.0	144.6	195.3	607.7						
G79.0	122.3	171.7	535.0						
G80.0	101.1	147.8	464.6						
G81.0	80.1	122.3	393.1						
G82.0	61.0	100.7	322.5						
G83.0	41.0	77.4	253.3						
G84.0	26.3	56.1	180.8						
G85.0	12.2	34.9	118.6						
G86.0	5.9	18.9	18.9						
G87.0	3.1	2.3	0.4						
G88.0	3.4	1.5	0.8						
G89.0	1.5	0.4	0.2						
G90.0	2.9	0.0	0.0						
G91.0	1.9	0.0	0.4						
G92.0	2.5	0.0	0.0						
G93.0	4.0	0.0	0.0						
G94.0	3.6	0.4	0.0						
G95.0	4.0	0.0	0.8						
G96.0	4.4	0.8	0.8						
G97.0	5.3	0.2	0.2						
G98.0	5.7	1.0	0.6						
G99.0	7.6	1.5	0.2						
G100.0	6.9	1.9	0.2						
G101.0	7.8	2.1	0.8						
G102.0	9.7	2.5	1.5						
G103.0	8.8	2.7	0.8						
G104.0	9.7	2.9	1.3						
G105.0	11.8	3.8	1.7						
G106.0	10.7	4.0	2.1						
G107.0	12.8	4.4	1.9						
G108.0	13.5	5.0	2.5						
G109.0	12.8	5.3	2.9						
G110.0	14.5	6.7	3.6						

C Plane (°):0.0-360.0: 30.0

 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0

 Test Device: GPM-1600L  
 Distance: 6.847 m  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	13.9	6.5	4.0							
G112.0	15.8	7.8	4.0							
G113.0	14.7	8.0	4.4							
G114.0	15.3	8.0	5.7							
G115.0	16.8	8.6	6.3							
G116.0	16.0	10.1	6.7							
G117.0	17.7	9.7	7.4							
G118.0	17.9	11.4	6.9							
G119.0	17.2	10.5	8.8							
G120.0	18.7	11.4	8.2							
G121.0	19.1	11.8	8.4							
G122.0	17.9	13.7	10.3							
G123.0	19.8	14.1	10.9							
G124.0	18.7	13.5	10.7							
G125.0	19.1	14.1	11.1							
G126.0	20.8	16.0	11.6							
G127.0	19.8	15.1	13.2							
G128.0	20.4	16.8	13.7							
G129.0	22.1	17.2	14.3							
G130.0	21.0	17.7	14.7							
G131.0	22.7	18.3	14.1							
G132.0	23.1	18.9	16.0							
G133.0	23.3	18.1	15.6							
G134.0	23.5	19.8	16.0							
G135.0	22.5	19.1	17.2							
G136.0	22.9	19.5	17.4							
G137.0	23.1	20.2	18.1							
G138.0	23.5	20.6	18.3							
G139.0	23.7	21.9	18.9							
G140.0	24.0	21.2	19.5							
G141.0	24.2	22.5	19.5							
G142.0	25.7	22.9	20.2							
G143.0	26.1	22.3	20.8							
G144.0	25.4	22.5	21.0							
G145.0	25.7	23.1	21.9							
G146.0	27.5	23.3	22.1							
G147.0	28.0	24.6	22.5							

C Plane (°):0.0-360.0: 30.0

 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0

 Test Device: GPM-1600L  
 Distance: 6.847 m  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	28.0	24.0	23.1							
G149.0	27.1	24.4	23.5							
G150.0	27.5	24.8	24.0							
G151.0	29.0	25.9	24.4							
G152.0	29.2	26.3	24.8							
G153.0	28.8	26.5	24.6							
G154.0	28.8	26.1	24.8							
G155.0	30.5	26.3	25.4							
G156.0	30.5	27.3	26.5							
G157.0	29.6	27.3	25.7							
G158.0	31.3	27.3	27.1							
G159.0	31.3	28.8	27.5							
G160.0	30.5	28.2	28.0							
G161.0	31.8	28.4	28.6							
G162.0	30.9	29.8	29.0							
G163.0	31.1	30.1	28.2							
G164.0	31.1	29.2	29.6							
G165.0	31.9	29.4	28.8							
G166.0	31.8	30.9	29.2							
G167.0	30.9	30.3	30.7							
G168.0	31.9	30.3	29.8							
G169.0	31.1	30.3	30.3							
G170.0	31.8	30.5	31.5							
G171.0	31.8	31.5	31.5							
G172.0	31.8	30.5	30.5							
G173.0	31.5	31.5	30.7							
G174.0	31.1	31.5	31.8							
G175.0	31.3	30.3	31.5							
G176.0	31.1	30.1	30.3							
G177.0	31.1	30.3	30.1							
G178.0	30.9	31.1	29.8							
G179.0	31.1	31.1	31.1							
G180.0	30.3	29.6	30.5							

C Plane (°):0.0-360.0: 30.0

Gamma Plane (°):0.0-180.0:1.0

Test Type: TYPE C

Test Device: GPM-1600L

Temperature:

Distance: 6.847 m

Operator:

Humidity:

Inspector: