

Report No.:

Test Time: 2023-04-13 17:14

## Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Lamp Catalog: LED

Number of Lamps: 1

Luminous Length (mm): 1203 mm

Luminous Height (mm): 0 mm

Current: 0.191 A

Power Factor: 0.995

Luminaire Description:

Lamp Description:

Lumens per Lamp: 3255.5 lm

Luminous Width (mm): 303 mm

Voltage: 119.9 V

Power: 22.68 mW

## Photometric Results

CIE Class: Direct

Measurement Flux: 3011.6 lm

Downward Ratio: 91.07%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 167.5, 158.0, 165.2, 165.8

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 117.4, 107.5, 111.5, 111.7

Luminaire Efficacy Rating (LER): 132.84

Max. Intensity: 1031.22 cd

S/MH(C0/C180): 1.26

Total Rated Lamp Lumens: 3255.5 lm

Efficiency: 92.51%

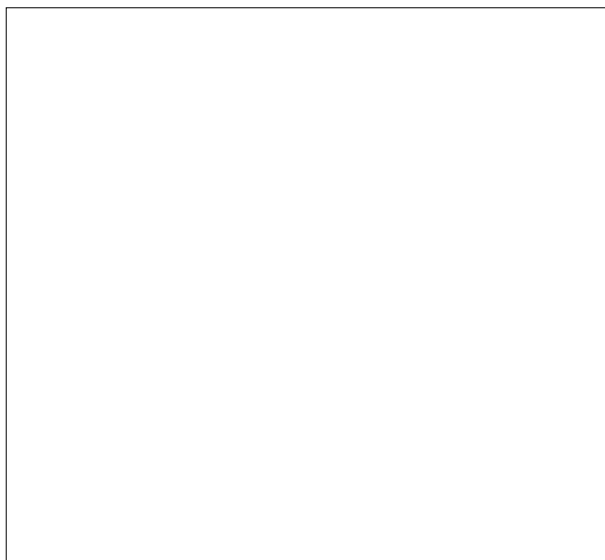
Upward Ratio: 1.44%

C0r0 Intensity: 1031.22 cd

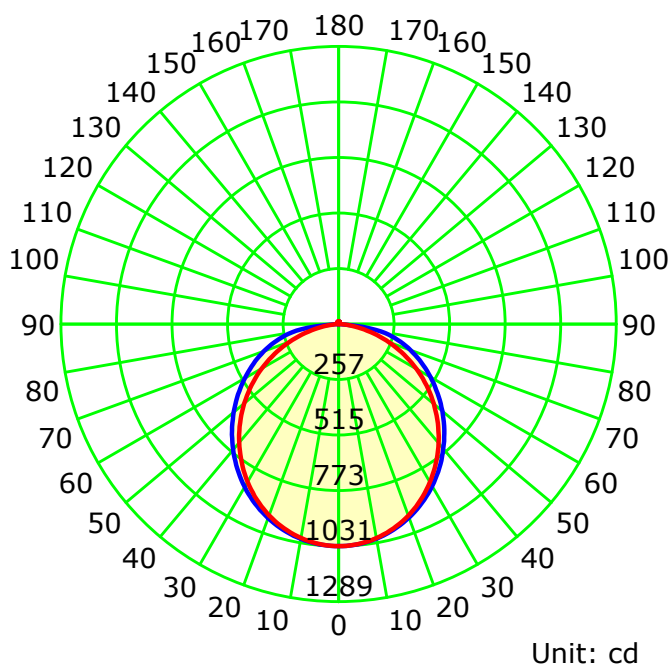
Pos of Max. Intensity: H0 V0

S/MH(C90/C270): 1.22

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

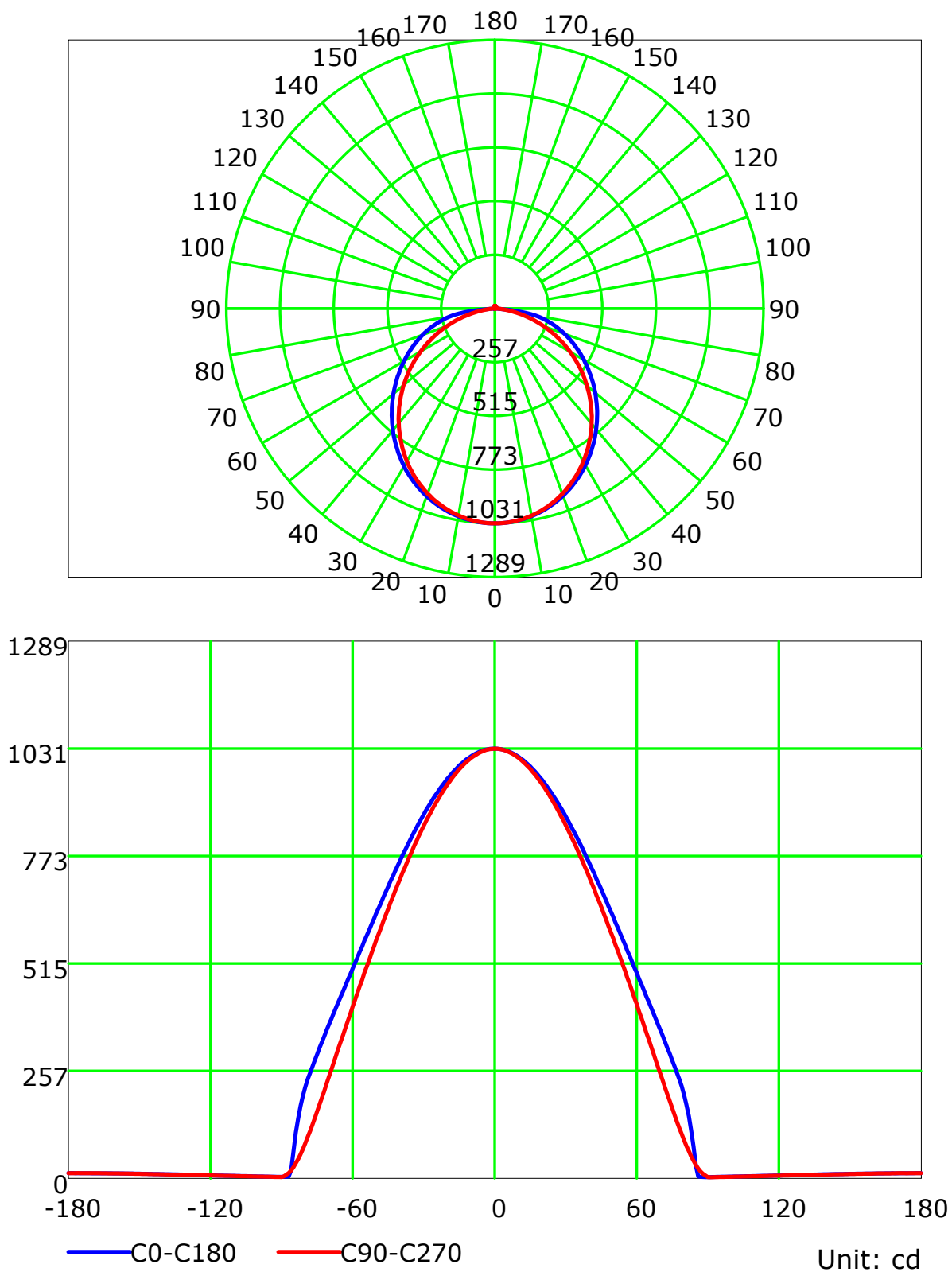
Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

## Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

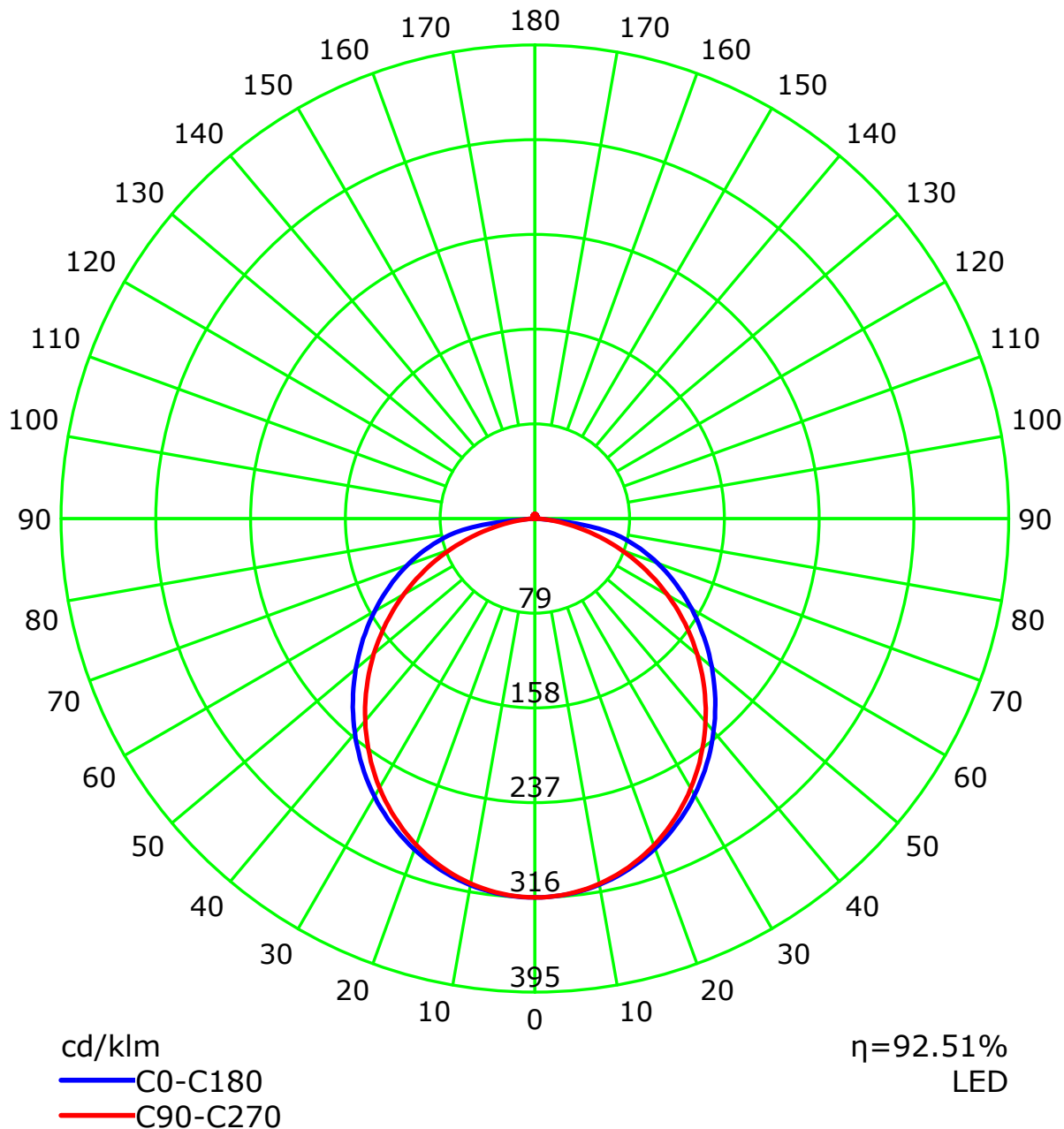
Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

## Luminous Intensity Distribution Curve(cd/klm)



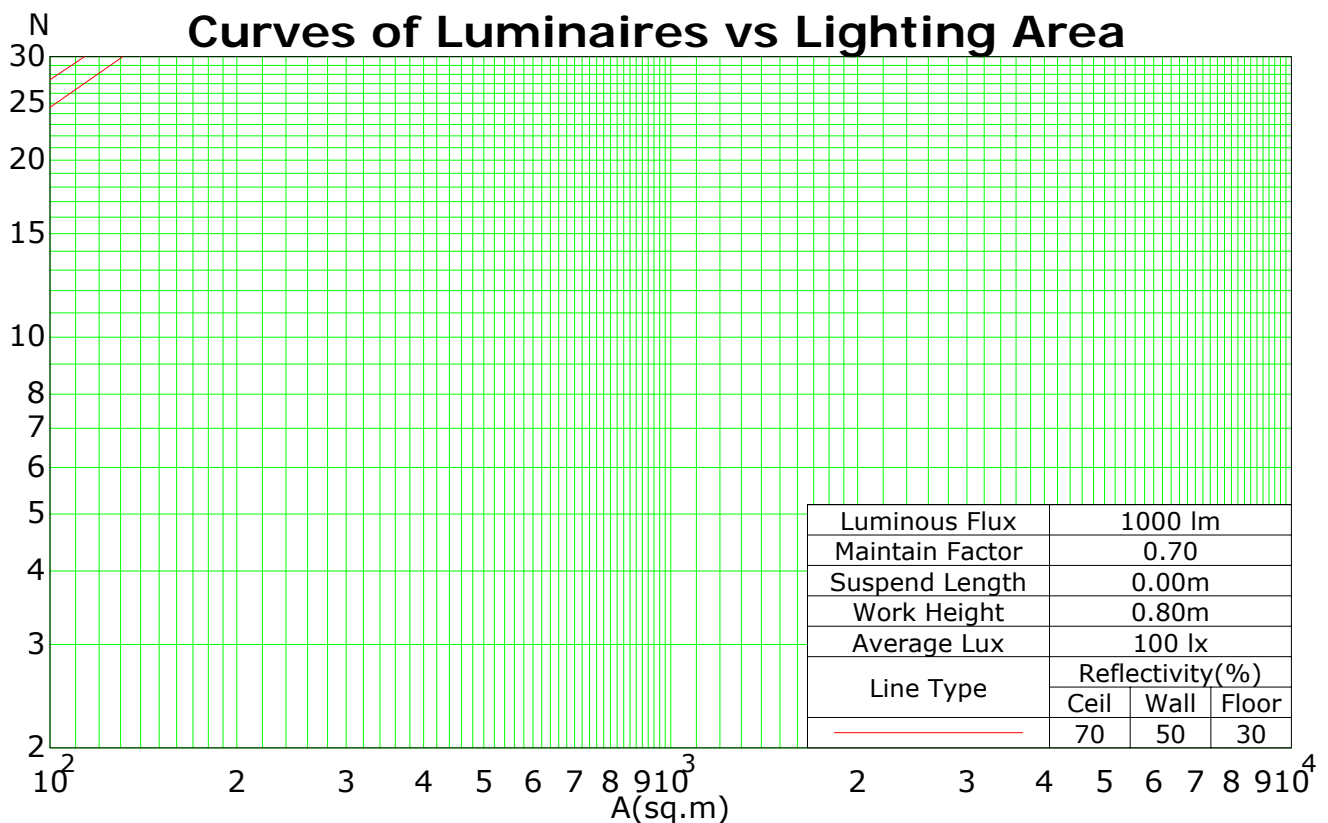
C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600L  
Distance: 9.011 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	1.10	1.10	1.10	1.10	1.07	1.07	1.07	1.07	1.02	1.02	1.02	0.97	0.97	0.97	0.93	0.93	0.93	0.91
1	1.00	0.95	0.91	0.88	0.97	0.93	0.89	0.86	0.89	0.86	0.83	0.85	0.83	0.80	0.81	0.79	0.78	0.76
2	0.91	0.83	0.76	0.71	0.88	0.81	0.75	0.70	0.77	0.72	0.68	0.74	0.70	0.66	0.71	0.68	0.65	0.62
3	0.82	0.73	0.65	0.59	0.80	0.71	0.64	0.58	0.68	0.62	0.57	0.65	0.60	0.56	0.63	0.58	0.54	0.52
4	0.75	0.64	0.56	0.50	0.73	0.63	0.55	0.49	0.60	0.54	0.48	0.58	0.52	0.47	0.56	0.51	0.47	0.45
5	0.69	0.57	0.49	0.43	0.67	0.56	0.48	0.42	0.54	0.47	0.42	0.52	0.46	0.41	0.50	0.45	0.41	0.38
6	0.64	0.52	0.43	0.37	0.62	0.51	0.43	0.37	0.49	0.42	0.36	0.47	0.41	0.36	0.45	0.40	0.36	0.34
7	0.59	0.47	0.38	0.33	0.58	0.46	0.38	0.33	0.44	0.37	0.32	0.43	0.37	0.32	0.41	0.36	0.32	0.30
8	0.55	0.43	0.35	0.29	0.54	0.42	0.34	0.29	0.41	0.34	0.29	0.39	0.33	0.29	0.38	0.32	0.28	0.26
9	0.52	0.39	0.31	0.26	0.50	0.38	0.31	0.26	0.37	0.31	0.26	0.36	0.30	0.26	0.35	0.30	0.25	0.24
10	0.48	0.36	0.29	0.24	0.47	0.36	0.28	0.24	0.35	0.28	0.24	0.34	0.28	0.23	0.33	0.27	0.23	0.22

Spacing Criteria (0-180): 1.26  
Spacing Criteria (90-270): 1.22  
Spacing Criteria (Diagonal): 1.36



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

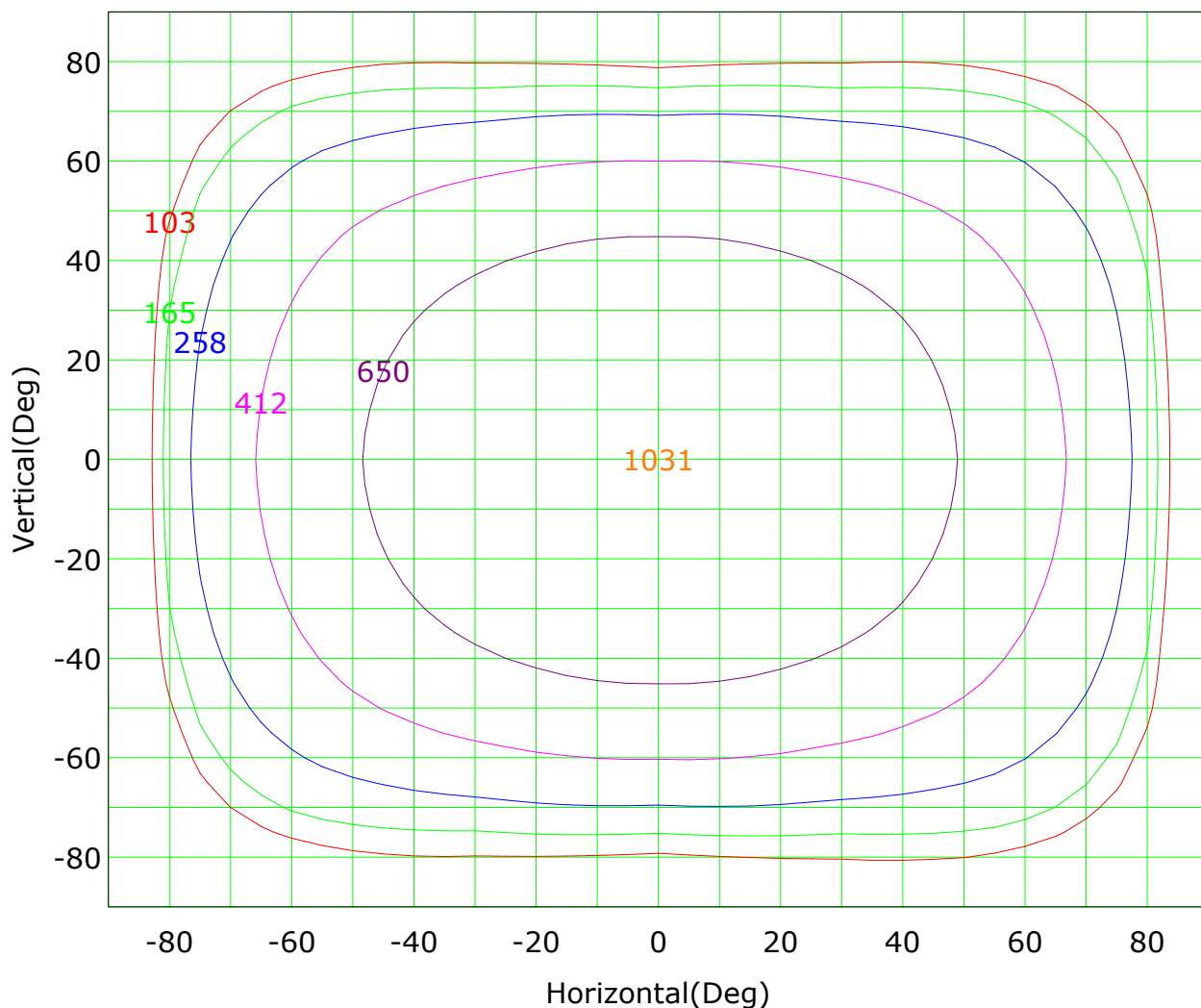
Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

## Isocandela (rectangle)



Imax (100%): 1031 cd

( 10%): 103 cd	( 16%): 165 cd
( 25%): 258 cd	( 40%): 412 cd
( 63%): 650 cd	(100%): 1031 cd

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

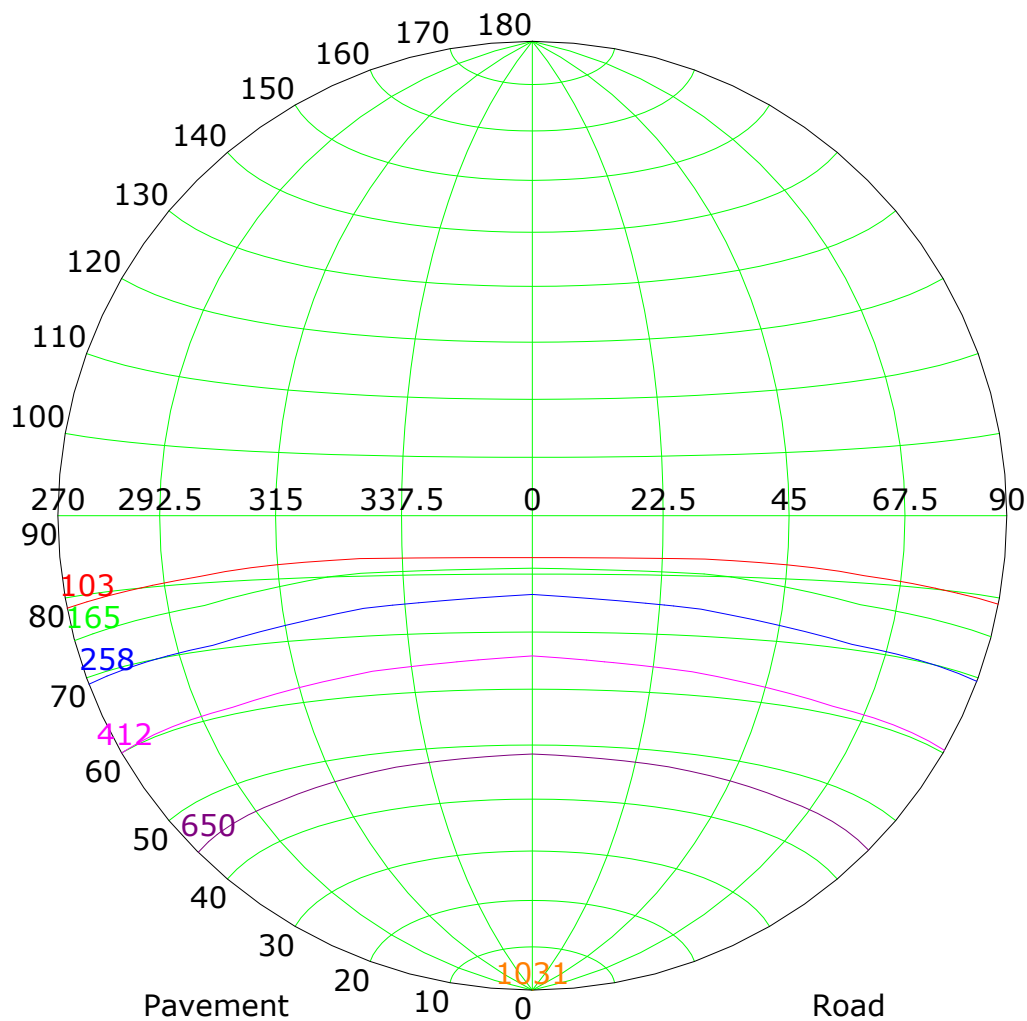
Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

## Isocandela (sphere)



Imax (100%): 1031 cd

( 10%): 103 cd	( 16%): 165 cd
( 25%): 258 cd	( 40%): 412 cd
( 63%): 650 cd	(100%): 1031 cd

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

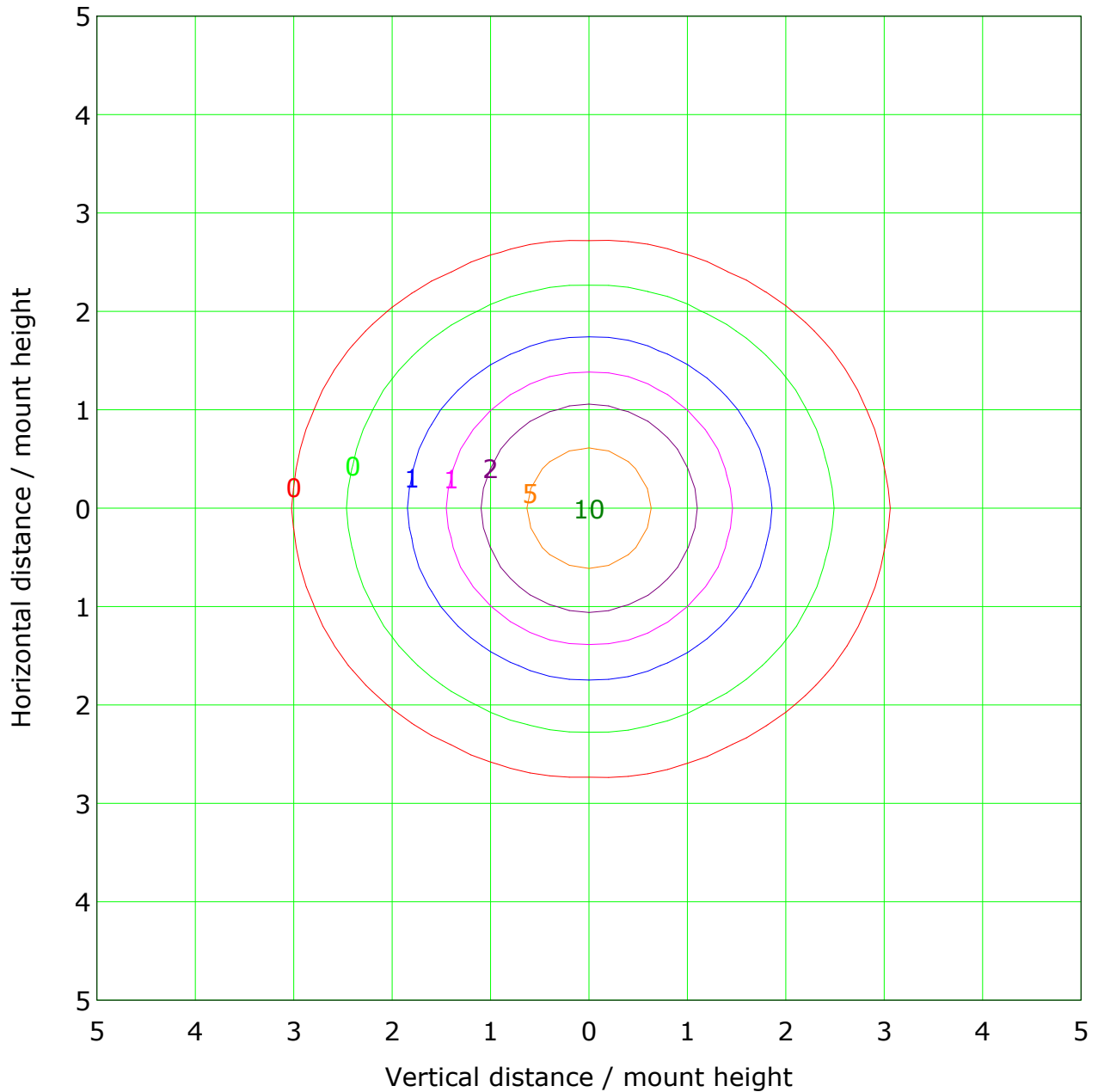
Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

## IsoLux Plot



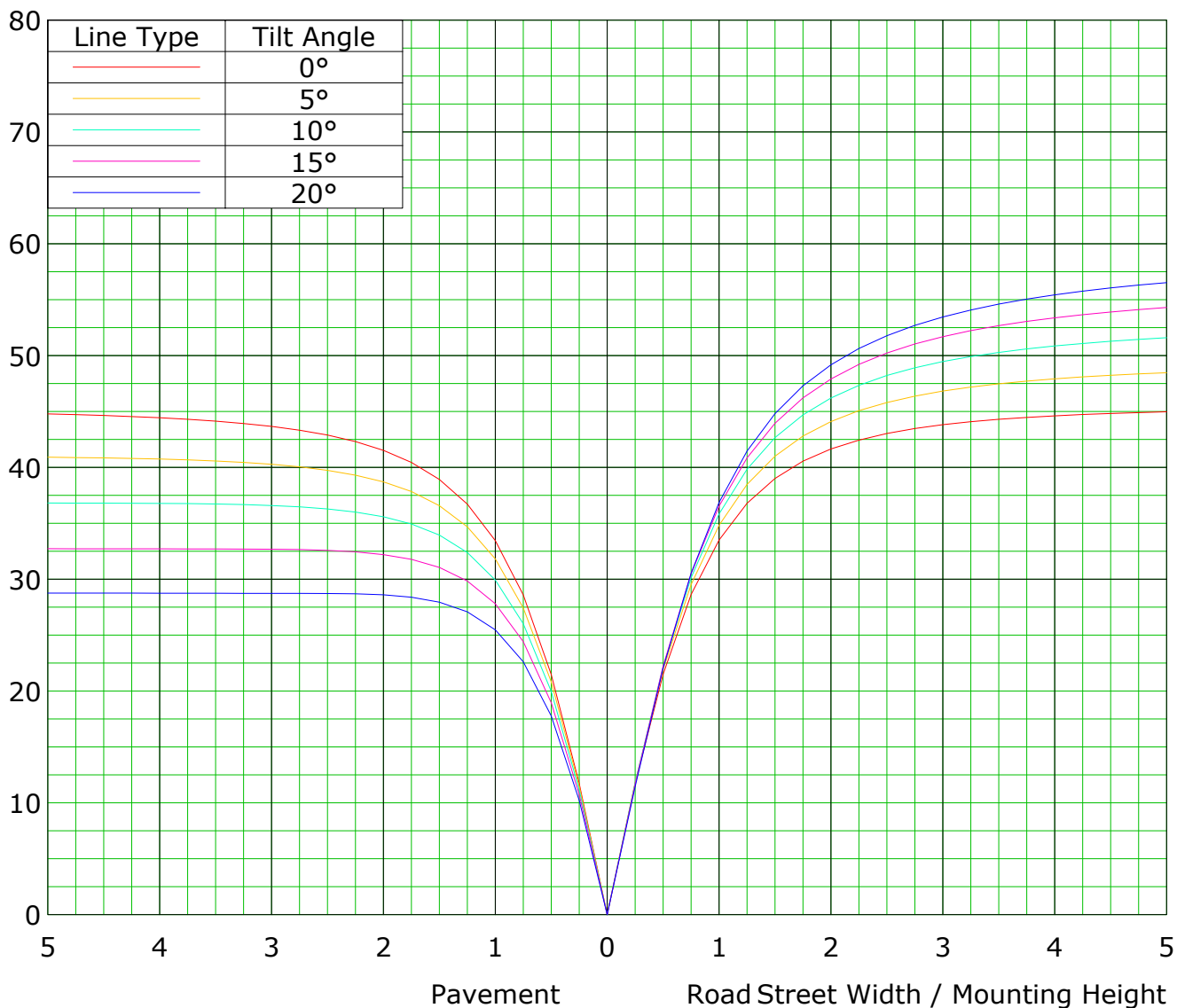
Mounting Height: 10.0m    Max Lux(100%): 10.3 lx	
( 1%): 0.1 lx	( 2%): 0.2 lx
( 5%): 0.5 lx	( 10%): 1.0 lx
( 20%): 2.1 lx	( 50%): 5.2 lx
(100%): 10.3 lx	

C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600L  
Distance: 9.011 m  
Humidity:  
Inspector:

## Roadway CU Curve

Efficiency(%)



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

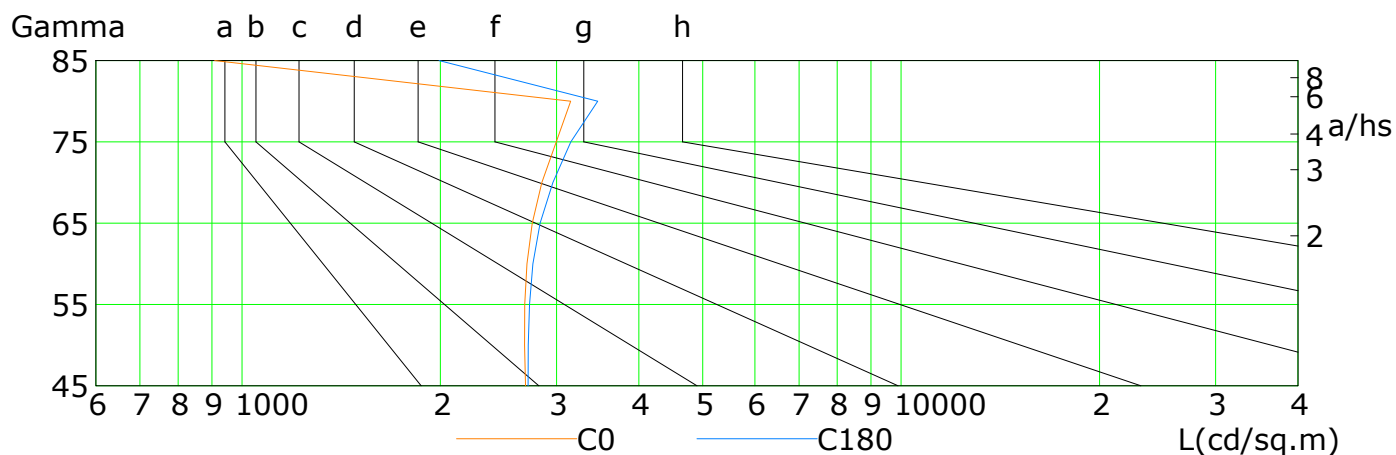
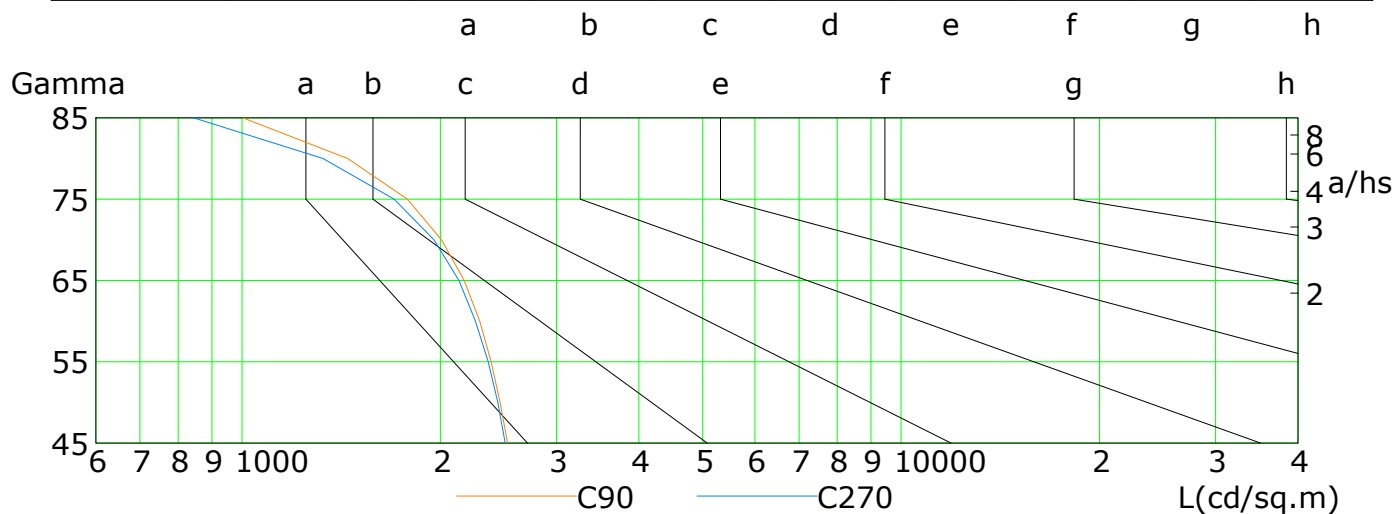
Distance: 9.011 m

Humidity:

Inspector:

## Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	2692	2683	2684	2706	2756	2851	2998	3153	909
C90	2529	2463	2387	2294	2173	2008	1782	1447	1004
C180	2716	2717	2730	2762	2833	2962	3154	3464	1991
C270	2508	2444	2363	2260	2133	1955	1701	1327	844

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

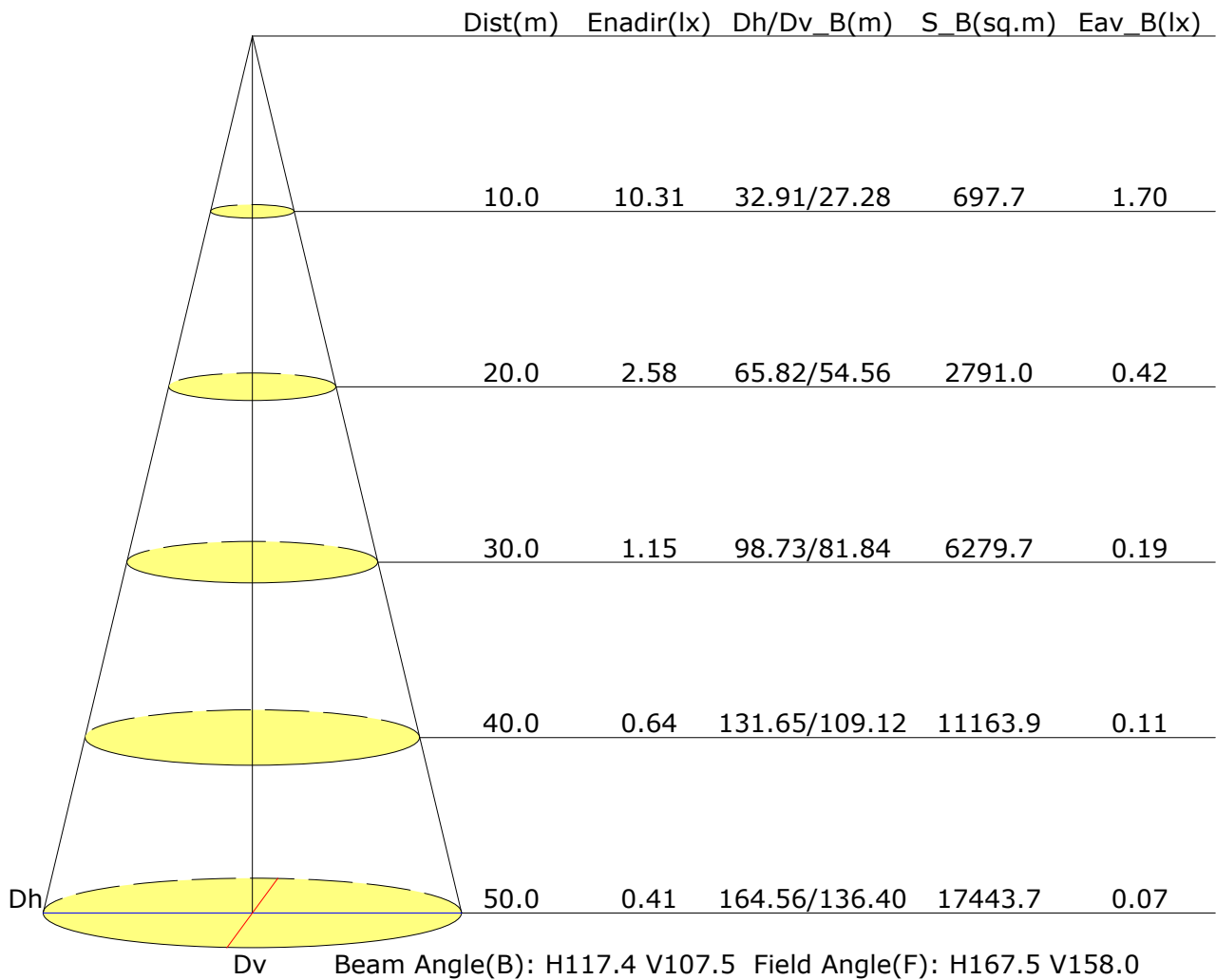
Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

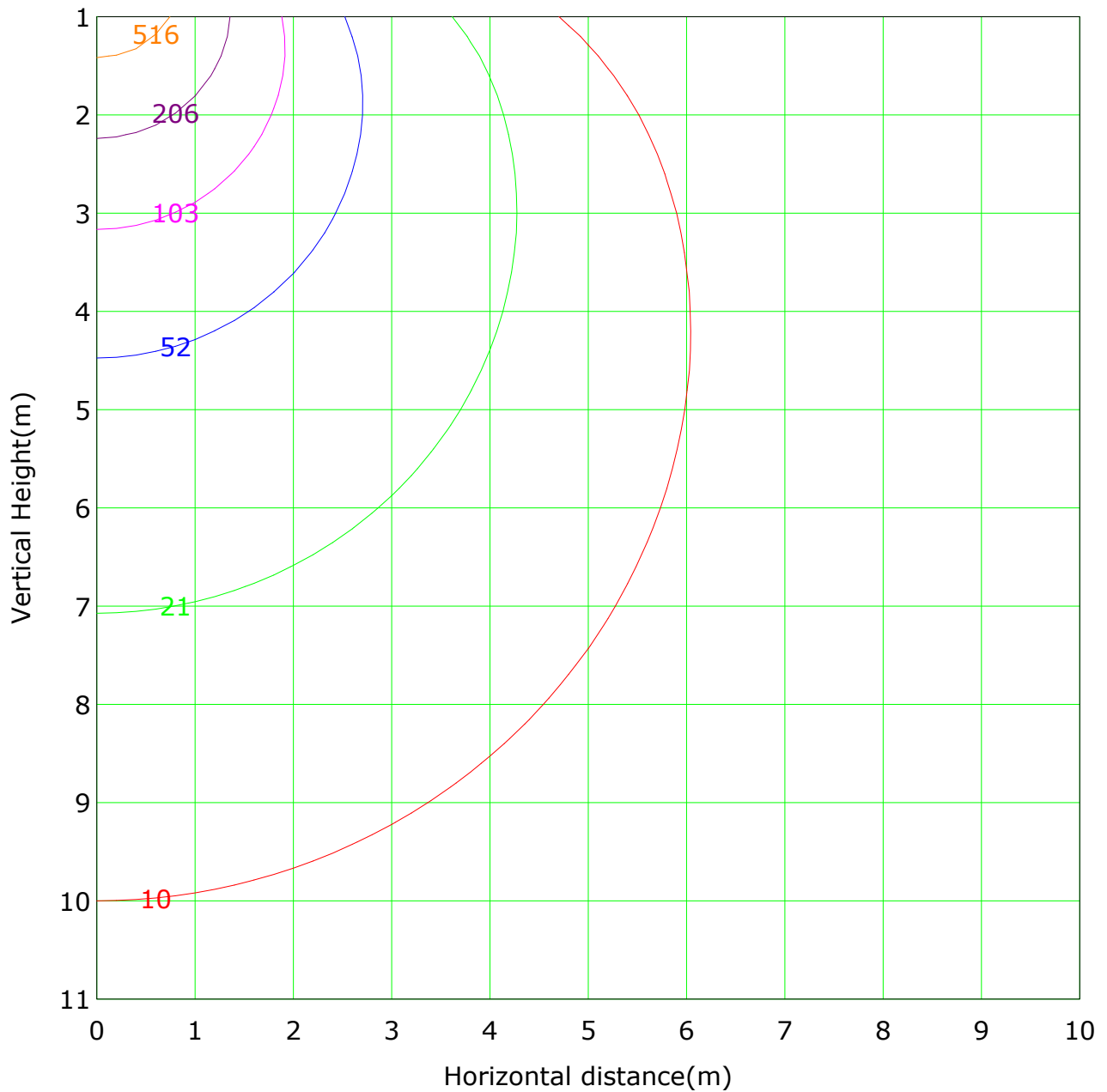
## Illuminance at a Distance



C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 9.011 m  
 Humidity:  
 Inspector:

## Vertical IsoLux Plot



Lowest(m): 1.0m    Highest(m): 11.0m    Max Lux: 1031.2 lx

— ( 1%): 10.3 lx	— ( 2%): 20.6 lx
— ( 5%): 51.6 lx	— (10%): 103.1 lx
— (20%): 206.2 lx	— (50%): 515.6 lx
— (100%):1031.2 lx	

C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator:

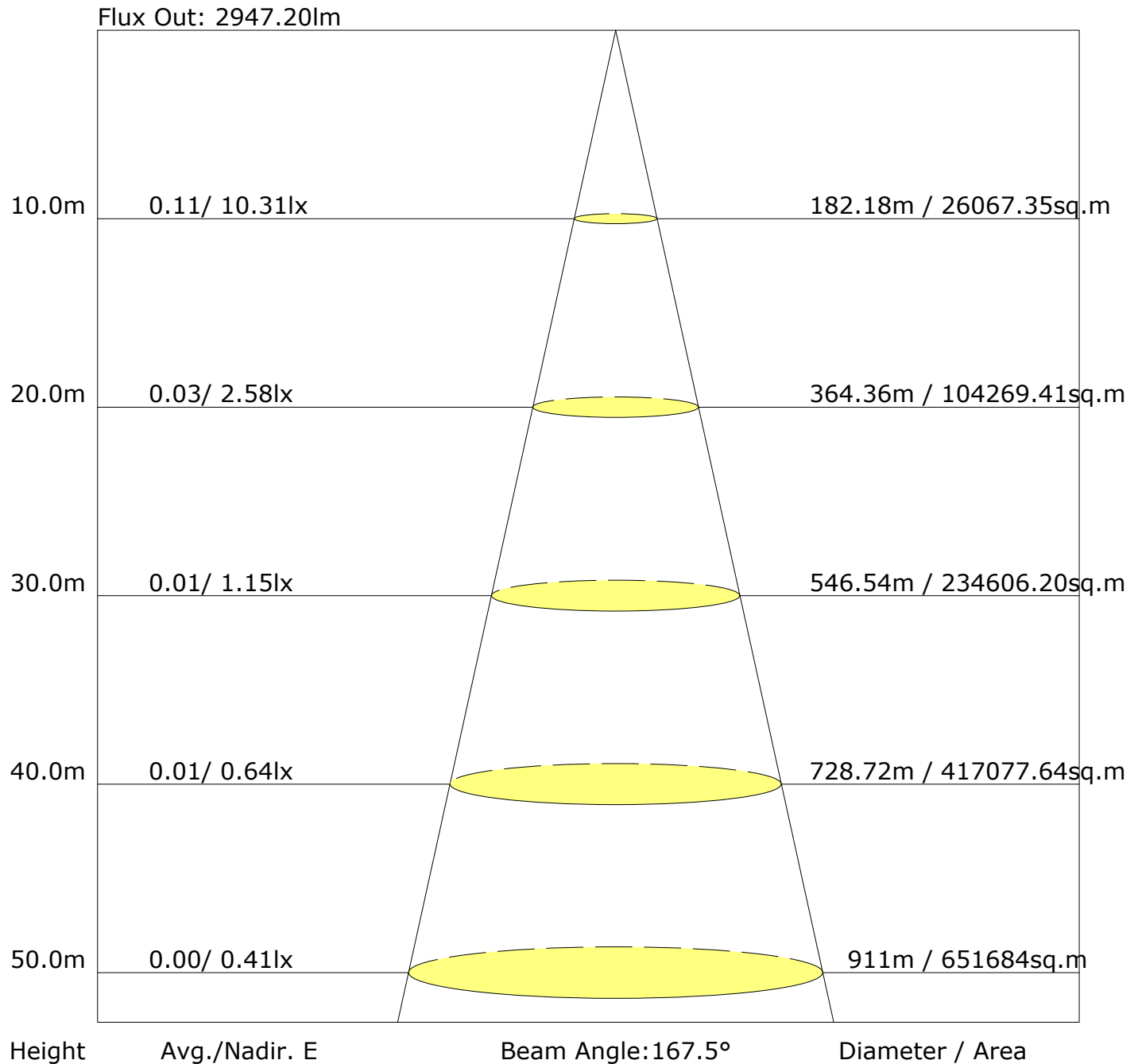
Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600L  
Distance: 9.011 m  
Humidity:  
Inspector:

## 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	0.4	0.8	1.0	1.1	1.2	1.1	1.1	1.2	1.2	1.2	1.0	0.7	0.3	0.1	0.0	0.0
2.2	26.3	0.0	0.3	1.3	2.5	3.4	4.1	4.6	5.0	5.0	5.0	4.9	4.5	4.0	3.3	2.4	1.1	0.2	0.0	11.4
25.2	64.2	0.0	0.9	2.5	4.2	5.8	7.2	8.5	9.6	10.0	10.0	9.5	8.5	7.1	5.7	4.1	2.4	0.7	0.0	51.7
63.1	112.2	0.1	1.4	3.3	5.6	8.0	10.4	12.5	14.1	14.9	14.9	14.1	12.4	10.3	7.9	5.5	3.2	1.2	0.1	96.6
110.9	165.9	0.2	1.7	4.0	6.9	10.1	13.3	16.2	18.4	19.6	19.5	18.4	16.1	13.2	10.0	6.8	3.9	1.6	0.1	139.8
164.3	220.1	0.2	2.0	4.6	8.0	11.9	15.9	19.5	22.2	23.7	23.7	22.2	19.4	15.8	11.8	7.9	4.5	1.9	0.2	179.8
218.1	268.5	0.3	2.3	5.1	8.9	13.3	18.0	22.2	25.4	27.1	27.1	25.3	22.1	17.9	13.2	8.7	4.9	2.0	0.2	243.9
266.0	330.5	0.3	2.4	5.6	9.9	15.0	20.3	25.1	28.8	30.8	30.8	28.8	25.0	20.2	14.8	9.7	5.5	2.3	0.3	275.6
302.9	382.4	0.3	2.4	5.6	9.9	15.0	20.3	25.1	28.8	30.8	30.8	28.8	25.0	20.2	14.8	9.7	5.5	2.3	0.3	275.6
332.1	424.7	0.3	2.3	5.4	9.5	14.4	19.5	24.1	27.6	29.5	29.5	27.6	24.0	19.4	14.3	9.4	5.3	2.2	0.3	264.5
383.2	532.4	0.3	2.2	5.1	8.9	13.3	18.0	22.2	25.4	27.1	27.1	25.3	22.1	17.9	13.2	8.7	4.9	2.0	0.2	243.9
432.1	621.5	0.3	2.2	5.1	8.9	13.3	18.0	22.2	25.4	27.1	27.1	25.3	22.1	17.9	13.2	8.7	4.9	2.0	0.2	243.9
481.1	726.7	0.2	2.0	4.6	8.0	11.9	15.9	19.5	22.2	23.7	23.7	22.2	19.4	15.8	11.8	7.9	4.5	1.9	0.2	215.1
530.2	824.7	0.2	1.7	4.0	6.9	10.1	13.3	16.2	18.4	19.6	19.5	18.4	16.1	13.2	10.0	6.8	3.9	1.6	0.1	179.8
581.6	916.3	0.2	1.4	3.3	5.6	8.0	10.4	12.5	14.1	14.9	14.9	14.1	12.4	10.3	7.9	5.5	3.2	1.2	0.1	139.8
632.1	1009.4	0.1	1.4	3.3	5.6	8.0	10.4	12.5	14.1	14.9	14.9	14.1	12.4	10.3	7.9	5.5	3.2	1.2	0.1	139.8
683.2	1109.4	0.0	0.9	2.5	4.2	5.8	7.2	8.5	9.6	10.0	10.0	9.5	8.5	7.1	5.7	4.1	2.4	0.7	0.0	96.6
734.7	1217.9	0.0	0.3	1.4	2.7	3.6	4.3	4.8	5.2	5.2	5.2	5.1	4.6	4.0	3.3	2.4	1.1	0.2	0.0	53.4
785.2	1330.7	0.0	0.0	0.2	0.5	0.9	1.2	1.4	1.4	1.2	1.2	1.3	1.2	1.0	0.7	0.3	0.1	0.0	0.0	12.7
836.7	1449.7	0.1	1.4	3.4	5.7	8.1	10.5	12.6	14.3	15.1	15.1	14.2	12.5	10.3	7.9	5.5	3.2	1.2	0.1	97.9
888.2	1574.2	0.2	1.7	4.0	6.9	10.1	13.4	16.3	18.5	19.7	19.7	18.5	16.2	13.2	10.0	6.7	3.9	1.6	0.1	180.7
939.7	1704.7	0.2	2.0	4.6	8.0	12.0	16.0	19.6	22.3	23.8	23.7	22.2	19.5	15.8	11.8	7.8	4.4	1.9	0.2	215.7
991.2	1841.2	0.3	2.2	5.1	8.9	13.4	18.0	22.2	25.4	27.1	27.1	25.4	22.1	17.9	13.2	8.7	4.9	2.0	0.2	244.3
1042.7	1983.7	0.3	2.3	5.4	9.5	14.4	19.5	24.1	27.7	29.6	29.5	27.6	24.0	19.4	14.3	9.4	5.3	2.2	0.3	264.8
1094.2	2132.2	0.3	2.4	5.6	9.9	15.0	20.3	25.1	28.8	30.8	30.8	28.8	25.0	20.2	14.8	9.7	5.5	2.3	0.3	275.7
1145.7	2286.7	0.3	2.4	5.6	9.9	15.0	20.3	25.1	28.8	30.8	30.8	28.8	25.0	20.2	14.8	9.7	5.5	2.3	0.3	275.7
1197.2	2447.2	0.3	2.3	5.4	9.5	14.4	19.5	24.1	27.6	29.5	29.5	27.6	24.0	19.4	14.3	9.4	5.3	2.2	0.3	264.5
1248.7	2613.7	0.3	2.2	5.1	8.9	13.3	18.0	22.2	25.4	27.1	27.1	25.3	22.1	17.9	13.2	8.7	4.9	2.0	0.2	243.9
1300.2	2786.2	0.2	2.0	4.6	8.0	11.9	15.9	19.5	22.2	23.7	23.7	22.2	19.4	15.8	11.8	7.9	4.5	1.9	0.2	215.1
1351.7	2964.7	0.2	1.7	4.0	6.9	10.1	13.3	16.2	18.4	19.6	19.5	18.4	16.1	13.2	10.0	6.8	3.9	1.6	0.1	179.8
1403.2	3149.2	0.2	1.4	3.3	5.6	8.0	10.4	12.5	14.1	14.9	14.9	14.1	12.4	10.3	7.9	5.5	3.2	1.2	0.1	139.8
1454.7	3339.7	0.1	1.4	3.3	5.6	8.0	10.4	12.5	14.1	14.9	14.9	14.1	12.4	10.3	7.9	5.5	3.2	1.2	0.1	139.8
1506.2	3535.2	0.0	0.9	2.5	4.2	5.8	7.2	8.5	9.6	10.0	10.0	9.5	8.5	7.1	5.7	4.1	2.4	0.7	0.0	96.6
1557.7	3736.7	0.0	0.3	1.3	2.5	3.4	4.1	4.6	5.0	5.0	5.0	4.9	4.5	4.0	3.3	2.4	1.1	0.2	0.0	51.7
1609.2	3943.2	0.0	0.0	0.1	0.4	0.8	1.0	1.1	1.2	1.1	1.1	1.2	1.2	1.0	0.7	0.3	0.1	0.0	0.0	11.4
1660.7	4155.7	0.0	0.0	0.1	0.4	0.8	1.0	1.1	1.2	1.1	1.1	1.2	1.2	1.0	0.7	0.3	0.1	0.0	0.0	11.4
1712.2	4373.2	0.0	0.0	0.1	0.4	0.8	1.0	1.1	1.2	1.1	1.1	1.2	1.2	1.0	0.7	0.3	0.1	0.0	0.0	11.4
1763.7	4595.7	0.0	0.0	0.1	0.4	0.8	1.0	1.1	1.2	1.1	1.1	1.2	1.2	1.0	0.7	0.3	0.1	0.0	0.0	11.4
1815.2	4823.2	0.0	0.0	0.1	0.4	0.8	1.0	1.1	1.2	1.1	1.1	1.2	1.2	1.0	0.7	0.3	0.1	0.0	0.0	11.4
1866.7	5055.7	0.0	0.0	0.1	0.4	0.8	1.0	1.1	1.2	1.1	1.1	1.2	1.2	1.0	0.7	0.3	0.1	0.0	0.0	11.4
1918.2	5293.2	0.0	0.0	0.1	0.4	0.8	1.0	1.1	1.2	1.1	1.1	1.2	1.2	1.0	0.7	0.3	0.1	0.0	0.0	11.4
1969.7	5535.7	0.0	0.0	0.1	0.4	0.8	1.0	1.1	1.2	1.1	1.1	1.2	1.2	1.0	0.7	0.3	0.1	0.0	0.0	11.4
2021.2	5783.2	0.0	0.0	0.1	0.4	0.8	1.0	1.1	1.2	1.1	1.1	1.2	1.2	1.0	0.7	0.3	0.1	0.0	0.0	11.4
2072.7	6035.7	0.0	0.0	0.1	0.4	0.8	1.0	1.1	1.2	1.1	1.1	1.2	1.2	1.0	0.7	0.3	0.1	0.0	0.0	11.4
2124.2	6293.2	0.0	0.0	0.1	0.4	0.8	1.0	1.1	1.2	1.1	1.1	1.2	1.2	1.0	0.7	0.3	0.1	0.0	0.0	11.4
2175.7	6555.7	0.0	0.0	0.1	0.4	0.8	1.0	1.1	1.2	1.1	1.1	1.2	1.2	1.0	0.7	0.3	0.1	0.0	0.0	11.4
2227.2	6823.2	0.0	0.0	0.1	0.4	0.8	1.0	1.1	1.2	1.1	1.1	1.2	1.2	1.0	0.7	0.3	0.1	0.0	0.0	11.4
2278.7	7095.7	0.0	0.0	0.1	0.4	0.8	1.0	1.1	1.2	1.1	1.1	1.2	1.2	1.0	0.7	0.3	0.1	0.0	0.0	11.4
2330.2	7373.2	0.0	0.0	0.1	0.4	0.8	1.0	1.1	1.2	1.1	1.1	1.2	1.2	1.0	0.7	0.3	0.1	0.0	0.0	11.4
2381.7	7655.7	0.0	0.0	0.1	0.4	0.8	1.0	1.1	1.2	1.1	1.1	1.2	1.2	1.0	0.7	0.3	0.1	0.0	0.0	11.4
2433.2	7943.2	0.0	0.0	0.1	0.4	0.8	1.0	1.1	1.2	1.1	1.1	1.2	1.2	1.0	0.7	0.3	0.1	0.0	0.0	11.4
2484.7	8235.7	0.0	0.0	0.1	0.4	0.8	1.0	1.1	1.2	1.1	1.1	1.2	1.2	1.0	0.7	0.3	0.1	0.0	0.0	11.4
2536.2	8533.2	0.0	0.0	0.1	0.4	0.8	1.0	1.1	1.2	1.1	1.1	1.2	1.2	1.0	0.7	0.3	0.1	0.0	0.0	11.4
2587.7	8835.7	0.0	0.0	0.1	0.4	0.8	1.0	1.1	1.2	1.1	1.1	1.2	1.2	1.0	0.7	0.3	0.1	0.0	0.0	11.4
2639.2	9143.2	0.0	0.0	0.1	0.4	0.8	1.0	1.1	1.2	1.1	1.1	1.2	1.2	1.0	0.7	0.3	0.1	0.0	0.0	11.4
2690.7	9455.7	0.0	0.0	0.1	0.4	0.8	1.0	1.1	1.2	1.1	1.1	1.2	1.2	1.0	0.7	0.3	0.1	0.0	0.0	11.4
2742.2	9773.2	0.0	0.0	0.1	0.4	0.8	1.0	1.1	1.2	1.1	1.1	1.2	1.2	1.0	0.7	0.3	0.1	0.0	0.0	11.4
2793.7	10095.7	0.0	0.0	0.1	0.4	0.8	1.0	1.1	1.2	1.1	1.1	1.2	1.2	1.0	0.7	0.3	0.1	0.0	0.0	11.4
2845.2	10423.2	0.0	0.0	0.1	0.4	0.8	1.0	1.1	1.2	1.1	1.1	1.2	1.2	1.0	0.7	0.3	0.1	0.0	0.0	11.4
2896.7	10755.7	0.0	0.0	0.1	0.4	0.8	1.0	1.1	1.2	1.1	1.1	1.2	1.2	1.0	0.7	0.3	0.1	0.0	0.0	11.4
2948.2	11093.2	0.0	0.0	0.1	0.4	0.8	1.0	1.1	1.2	1.1	1.1	1.2	1.2	1.0	0.7	0.3	0.1	0.0	0.0	11.4
2999.7	11435.7	0.0	0.0	0.1	0.4	0.8	1.0	1.1	1.2	1.1	1.1	1.2	1.2	1.0	0.7	0.3	0.1	0.0	0.0	11.4
3051.2	11783.2	0.0	0.0	0.1	0.4	0.8	1.0	1.1	1.2	1.1	1.1	1.2	1.2	1.0	0.7	0.3	0.1	0.0	0.0	11.4
3102.7	12135.7	0.0	0.0	0.1	0.4	0.8	1.0	1.1	1.2	1.1	1.1	1.2	1.2	1.0	0.7	0.3	0.1	0.0	0.0	11.4
3154.2	12493.2	0.0	0.0	0.1	0.4	0.8	1.0	1.1	1.2	1.1	1.1	1.2	1.2	1.0	0.7	0.3	0.1	0.0	0.0	11.4
3																				

## The Average Illuminance Effective Figure



C Plane (°): 0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25  
 Operator:

Gamma Plane (°): 0.0-180.0: 1.0  
 Test Device: GPM-1600L  
 Distance: 9.011 m  
 Humidity:  
 Inspector:

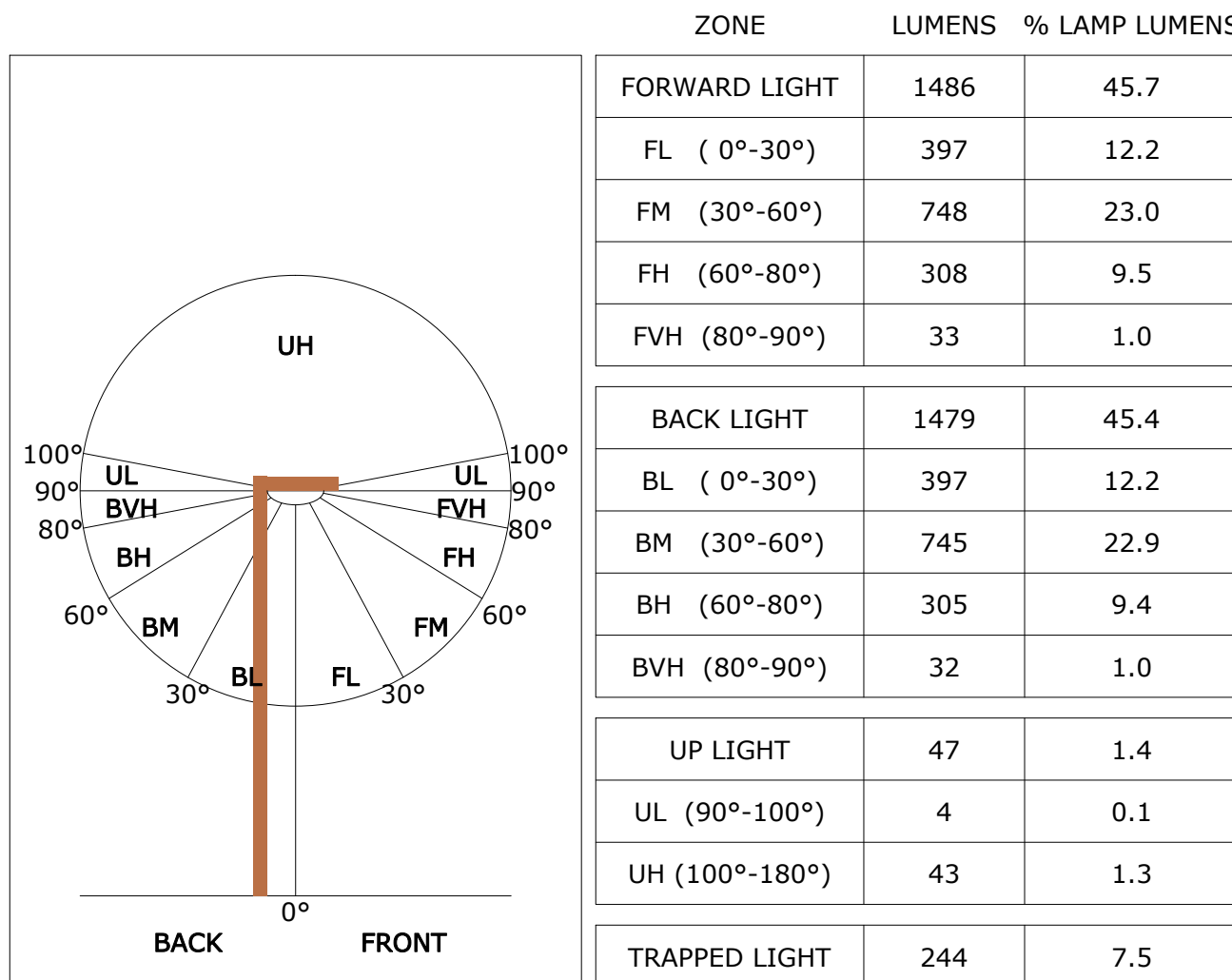
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	16.0	17.4	16.4	17.7	18.0	15.4	16.8	15.7	17.0	17.3
3H	18.0	19.3	18.3	19.6	19.9	16.8	18.1	17.2	18.4	18.7
4H	18.9	20.1	19.3	20.4	20.8	17.4	18.6	17.8	18.9	19.2
6H	19.8	20.9	20.2	21.2	21.6	17.7	18.8	18.1	19.2	19.5
8H	20.1	21.1	20.5	21.5	21.9	17.8	18.9	18.2	19.2	19.6
12H	20.1	21.2	20.6	21.5	21.9	17.8	18.9	18.2	19.2	19.6
X=4H Y=2H	16.7	17.9	17.1	18.2	18.5	16.2	17.3	16.5	17.7	18.0
3H	18.8	19.9	19.2	20.2	20.6	17.8	18.8	18.2	19.2	19.6
4H	19.9	20.9	20.4	21.2	21.7	18.5	19.4	18.9	19.8	20.2
6H	20.9	21.8	21.4	22.2	22.6	18.9	19.8	19.4	20.2	20.6
8H	21.3	22.1	21.8	22.5	22.9	19.1	19.8	19.5	20.3	20.7
12H	21.4	22.1	21.9	22.5	23.0	19.1	19.8	19.6	20.3	20.8
X=8H Y=4H	20.2	21.0	20.7	21.4	21.9	18.9	19.7	19.4	20.1	20.6
6H	21.4	22.0	21.9	22.5	23.0	19.6	20.2	20.1	20.6	21.1
8H	21.9	22.4	22.4	22.9	23.4	19.8	20.3	20.3	20.8	21.3
12H	22.1	22.5	22.6	23.0	23.6	19.9	20.4	20.4	20.9	21.4
X=12H Y=4H	20.2	20.9	20.7	21.4	21.8	19.0	19.7	19.5	20.2	20.6
6H	21.5	22.0	22.0	22.5	23.0	19.7	20.3	20.2	20.7	21.3
8H	22.0	22.5	22.5	23.0	23.5	20.0	20.5	20.5	21.0	21.5
Variations with the observer position at spacings:										
S=1.0H	+0.2/-0.2					+0.2/-0.2				
S=1.5H	+0.4/-0.4					+0.4/-0.5				
S=2.0H	+0.5/-0.7					+0.5/-0.9				

Calculate in accordance with CIE Pub.117. The table is revised with 3256lm ( $8\log(F/F_0) = 4.1$ ).

C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600L  
Distance: 9.011 m  
Humidity:  
Inspector:

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

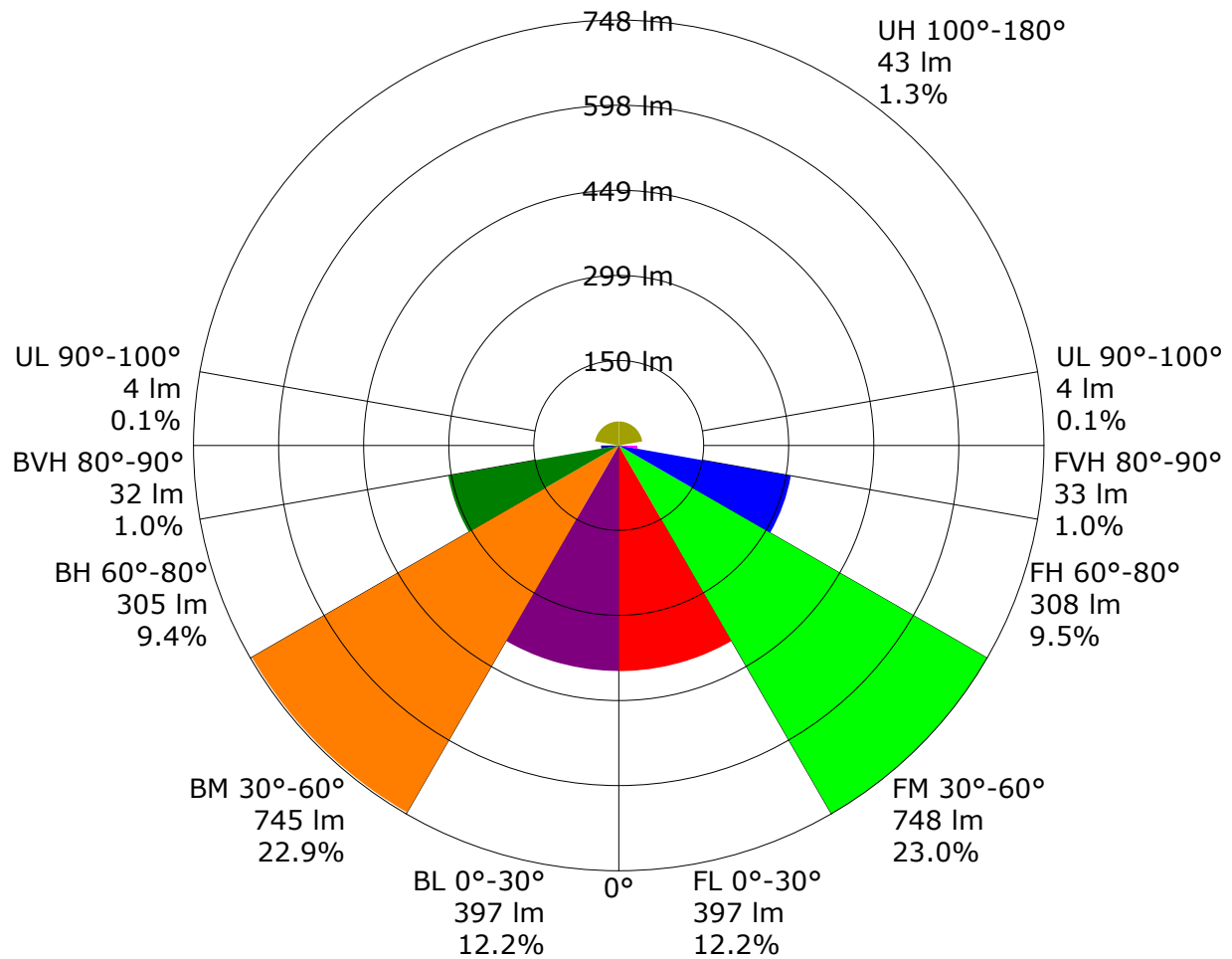


BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U2 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U2 G1

C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600L  
Distance: 9.011 m  
Humidity:  
Inspector:

## LCS Graph



**Back Light**

Scale= 748 lm

Trapped Light:244 lm,7.5%

**Forward Light**

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

## Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.51	0.61	0.67	0.72	0.79	0.84	0.87	0.92	0.95	
	0.30		0.44	0.53	0.60	0.66	0.73	0.79	0.83	0.88	0.91	
	0.20		0.39	0.48	0.55	0.61	0.69	0.74	0.78	0.84	0.88	
0.50	0.50	0.20	0.50	0.59	0.65	0.70	0.76	0.81	0.84	0.88	0.90	
	0.30		0.43	0.52	0.59	0.64	0.71	0.76	0.80	0.85	0.88	
	0.20		0.38	0.47	0.54	0.59	0.67	0.72	0.76	0.82	0.85	
0.30	0.50	0.20	0.48	0.57	0.63	0.67	0.73	0.77	0.80	0.84	0.87	
	0.30		0.42	0.51	0.58	0.62	0.69	0.74	0.77	0.81	0.84	
	0.20		0.38	0.47	0.53	0.58	0.65	0.70	0.74	0.79	0.82	
0.00	0.00	0.00	0.36	0.44	0.51	0.55	0.62	0.67	0.70	0.75	0.78	
<p>Rating:23W Photometrically tested without ceiling board.</p> <p>Multiply UF values by service correction factors</p> <p>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

## Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.93	0.77	0.66	0.58	0.46	0.38	0.33	0.25	0.21	
	0.30		0.78	0.66	0.57	0.51	0.42	0.35	0.30	0.24	0.20	
	0.20		0.67	0.58	0.51	0.46	0.38	0.32	0.28	0.23	0.19	
0.50	0.50	0.20	0.89	0.74	0.63	0.55	0.44	0.39	0.31	0.24	0.20	
	0.30		0.76	0.64	0.56	0.49	0.40	0.34	0.29	0.23	0.19	
	0.20		0.66	0.57	0.50	0.45	0.37	0.31	0.27	0.22	0.18	
0.30	0.50	0.20	0.87	0.71	0.60	0.53	0.42	0.35	0.30	0.23	0.19	
	0.30		0.74	0.62	0.54	0.48	0.39	0.33	0.28	0.22	0.18	
	0.20		0.65	0.56	0.49	0.44	0.36	0.30	0.26	0.21	0.17	
0.00	0.00	0.00	0.55	0.47	0.40	0.36	0.29	0.24	0.21	0.16	0.13	
<p>Rating:23W Photometrically tested without ceiling board.</p> <p>Multiply UF values by service correction factors</p> <p>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

## Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 1.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.17	0.18	0.19	0.19	0.20	0.20	0.21	0.21	0.22	
	0.30		0.10	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19	
	0.20		0.06	0.07	0.08	0.10	0.11	0.13	0.14	0.16	0.17	
0.50	0.50	0.20	0.16	0.17	0.18	0.18	0.19	0.20	0.20	0.20	0.21	
	0.30		0.10	0.11	0.13	0.13	0.15	0.16	0.17	0.18	0.18	
	0.20		0.06	0.07	0.08	0.09	0.11	0.13	0.14	0.15	0.16	
0.30	0.50	0.20	0.16	0.17	0.17	0.18	0.18	0.19	0.19	0.20	0.20	
	0.30		0.10	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.18	
	0.20		0.06	0.07	0.08	0.09	0.11	0.12	0.13	0.15	0.16	
0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
<p>Rating:23W Photometrically tested without ceiling board.</p> <p>Multiply UF values by service correction factors</p> <p>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 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	1031.1	1.0	1.0	0.03	0.03
1.0-2.0	1030.7	3.0	3.9	0.09	0.12
2.0-3.0	1029.8	4.9	8.9	0.15	0.27
3.0-4.0	1028.6	6.9	15.8	0.21	0.48
4.0-5.0	1026.9	8.8	24.6	0.27	0.76
5.0-6.0	1024.9	10.8	35.4	0.33	1.09
6.0-7.0	1022.4	12.7	48.1	0.39	1.48
7.0-8.0	1019.5	14.6	62.6	0.45	1.92
8.0-9.0	1016.2	16.5	79.1	0.51	2.43
9.0-10.0	1012.5	18.3	97.4	0.56	2.99
10.0-11.0	1008.4	20.2	117.6	0.62	3.61
11.0-12.0	1004.0	21.9	139.5	0.67	4.29
12.0-13.0	999.3	23.7	163.3	0.73	5.02
13.0-14.0	994.0	25.4	188.7	0.78	5.80
14.0-15.0	988.4	27.1	215.8	0.83	6.63
15.0-16.0	982.4	28.8	244.6	0.88	7.51
16.0-17.0	976.0	30.4	275.0	0.93	8.45
17.0-18.0	969.6	32.0	307.0	0.98	9.43
18.0-19.0	962.5	33.5	340.5	1.03	10.46
19.0-20.0	955.0	35.0	375.5	1.07	11.53
20.0-21.0	947.5	36.4	411.8	1.12	12.65
21.0-22.0	939.4	37.8	449.6	1.16	13.81
22.0-23.0	931.1	39.1	488.7	1.20	15.01
23.0-24.0	922.2	40.3	529.0	1.24	16.25
24.0-25.0	913.1	41.5	570.5	1.28	17.52
25.0-26.0	904.2	42.7	613.2	1.31	18.84
26.0-27.0	894.5	43.8	657.0	1.34	20.18
27.0-28.0	884.5	44.8	701.8	1.38	21.56
28.0-29.0	874.7	45.8	747.5	1.41	22.96
29.0-30.0	864.0	46.7	794.2	1.43	24.40
30.0-31.0	853.3	47.5	841.7	1.46	25.85
31.0-32.0	842.3	48.3	889.9	1.48	27.34
32.0-33.0	830.9	49.0	938.9	1.50	28.84
33.0-34.0	819.7	49.6	988.5	1.52	30.36
34.0-35.0	807.7	50.2	1038.7	1.54	31.91
35.0-36.0	795.6	50.7	1089.3	1.56	33.46

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 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	783.6	51.1	1140.5	1.57	35.03
37.0-38.0	771.1	51.5	1191.9	1.58	36.61
38.0-39.0	758.7	51.8	1243.7	1.59	38.20
39.0-40.0	745.7	52.0	1295.7	1.60	39.80
40.0-41.0	732.6	52.2	1347.9	1.60	41.40
41.0-42.0	719.9	52.3	1400.2	1.61	43.01
42.0-43.0	706.4	52.3	1452.6	1.61	44.62
43.0-44.0	692.9	52.3	1504.9	1.61	46.22
44.0-45.0	679.3	52.2	1557.1	1.60	47.83
45.0-46.0	665.4	52.0	1609.1	1.60	49.43
46.0-47.0	651.7	51.8	1661.0	1.59	51.02
47.0-48.0	637.5	51.5	1712.5	1.58	52.60
48.0-49.0	623.2	51.2	1763.7	1.57	54.18
49.0-50.0	609.4	50.8	1814.5	1.56	55.74
50.0-51.0	594.9	50.3	1864.8	1.55	57.28
51.0-52.0	580.2	49.8	1914.6	1.53	58.81
52.0-53.0	565.8	49.2	1963.9	1.51	60.32
53.0-54.0	551.0	48.6	2012.4	1.49	61.82
54.0-55.0	536.5	47.9	2060.3	1.47	63.29
55.0-56.0	521.5	47.1	2107.4	1.45	64.73
56.0-57.0	506.5	46.3	2153.8	1.42	66.16
57.0-58.0	492.0	45.5	2199.3	1.40	67.56
58.0-59.0	476.7	44.6	2243.8	1.37	68.92
59.0-60.0	461.5	43.6	2287.4	1.34	70.26
60.0-61.0	446.3	42.6	2330.0	1.31	71.57
61.0-62.0	431.0	41.5	2371.6	1.28	72.85
62.0-63.0	416.4	40.5	2412.1	1.24	74.09
63.0-64.0	401.0	39.4	2451.4	1.21	75.30
64.0-65.0	385.6	38.2	2489.6	1.17	76.47
65.0-66.0	370.9	37.0	2526.6	1.14	77.61
66.0-67.0	355.5	35.8	2562.4	1.10	78.71
67.0-68.0	340.1	34.5	2596.8	1.06	79.77
68.0-69.0	324.7	33.1	2630.0	1.02	80.78
69.0-70.0	309.2	31.8	2661.7	0.98	81.76
70.0-71.0	294.5	30.4	2692.2	0.94	82.70
71.0-72.0	279.0	29.0	2721.2	0.89	83.59

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 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	263.5	27.6	2748.7	0.85	84.43
73.0-74.0	248.7	26.2	2774.9	0.80	85.24
74.0-75.0	233.3	24.7	2799.5	0.76	85.99
75.0-76.0	217.9	23.1	2822.7	0.71	86.70
76.0-77.0	202.5	21.6	2844.3	0.66	87.37
77.0-78.0	187.4	20.1	2864.3	0.62	87.98
78.0-79.0	172.9	18.6	2882.9	0.57	88.55
79.0-80.0	157.5	17.0	2899.9	0.52	89.08
80.0-81.0	141.2	15.3	2915.1	0.47	89.55
81.0-82.0	124.3	13.5	2928.6	0.41	89.96
82.0-83.0	105.7	11.5	2940.1	0.35	90.31
83.0-84.0	85.5	9.3	2949.4	0.29	90.60
84.0-85.0	62.0	6.8	2956.2	0.21	90.81
85.0-86.0	37.5	4.1	2960.3	0.13	90.93
86.0-87.0	19.6	2.1	2962.5	0.07	91.00
87.0-88.0	10.5	1.2	2963.6	0.04	91.03
88.0-89.0	6.7	0.7	2964.3	0.02	91.06
89.0-90.0	4.5	0.5	2964.8	0.02	91.07
90.0-91.0	3.5	0.4	2965.2	0.01	91.08
91.0-92.0	3.4	0.4	2965.6	0.01	91.09
92.0-93.0	3.6	0.4	2966.0	0.01	91.11
93.0-94.0	3.7	0.4	2966.4	0.01	91.12
94.0-95.0	3.8	0.4	2966.8	0.01	91.13
95.0-96.0	3.9	0.4	2967.2	0.01	91.15
96.0-97.0	4.1	0.4	2967.7	0.01	91.16
97.0-98.0	4.2	0.5	2968.1	0.01	91.17
98.0-99.0	4.3	0.5	2968.6	0.01	91.19
99.0-100.0	4.5	0.5	2969.1	0.01	91.20
100.0-101.0	4.6	0.5	2969.6	0.02	91.22
101.0-102.0	4.7	0.5	2970.1	0.02	91.23
102.0-103.0	4.8	0.5	2970.6	0.02	91.25
103.0-104.0	5.0	0.5	2971.1	0.02	91.26
104.0-105.0	5.1	0.5	2971.7	0.02	91.28
105.0-106.0	5.2	0.6	2972.2	0.02	91.30
106.0-107.0	5.3	0.6	2972.8	0.02	91.32
107.0-108.0	5.5	0.6	2973.4	0.02	91.33

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 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	5.6	0.6	2973.9	0.02	91.35
109.0-110.0	5.8	0.6	2974.5	0.02	91.37
110.0-111.0	5.9	0.6	2975.1	0.02	91.39
111.0-112.0	6.0	0.6	2975.8	0.02	91.41
112.0-113.0	6.1	0.6	2976.4	0.02	91.43
113.0-114.0	6.3	0.6	2977.0	0.02	91.45
114.0-115.0	6.4	0.6	2977.6	0.02	91.46
115.0-116.0	6.5	0.6	2978.3	0.02	91.48
116.0-117.0	6.7	0.7	2978.9	0.02	91.50
117.0-118.0	6.8	0.7	2979.6	0.02	91.53
118.0-119.0	6.9	0.7	2980.3	0.02	91.55
119.0-120.0	7.1	0.7	2980.9	0.02	91.57
120.0-121.0	7.2	0.7	2981.6	0.02	91.59
121.0-122.0	7.3	0.7	2982.3	0.02	91.61
122.0-123.0	7.5	0.7	2983.0	0.02	91.63
123.0-124.0	7.6	0.7	2983.7	0.02	91.65
124.0-125.0	7.8	0.7	2984.4	0.02	91.67
125.0-126.0	7.9	0.7	2985.1	0.02	91.69
126.0-127.0	8.0	0.7	2985.8	0.02	91.72
127.0-128.0	8.2	0.7	2986.5	0.02	91.74
128.0-129.0	8.3	0.7	2987.2	0.02	91.76
129.0-130.0	8.5	0.7	2987.9	0.02	91.78
130.0-131.0	8.6	0.7	2988.7	0.02	91.80
131.0-132.0	8.7	0.7	2989.4	0.02	91.83
132.0-133.0	8.9	0.7	2990.1	0.02	91.85
133.0-134.0	9.0	0.7	2990.8	0.02	91.87
134.0-135.0	9.2	0.7	2991.5	0.02	91.89
135.0-136.0	9.3	0.7	2992.3	0.02	91.91
136.0-137.0	9.4	0.7	2993.0	0.02	91.94
137.0-138.0	9.5	0.7	2993.7	0.02	91.96
138.0-139.0	9.7	0.7	2994.4	0.02	91.98
139.0-140.0	9.8	0.7	2995.1	0.02	92.00
140.0-141.0	9.9	0.7	2995.8	0.02	92.02
141.0-142.0	10.0	0.7	2996.4	0.02	92.04
142.0-143.0	10.1	0.7	2997.1	0.02	92.06
143.0-144.0	10.3	0.7	2997.8	0.02	92.08

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 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	10.4	0.7	2998.4	0.02	92.10
145.0-146.0	10.5	0.7	2999.1	0.02	92.12
146.0-147.0	10.6	0.6	2999.7	0.02	92.14
147.0-148.0	10.7	0.6	3000.4	0.02	92.16
148.0-149.0	10.8	0.6	3001.0	0.02	92.18
149.0-150.0	11.0	0.6	3001.6	0.02	92.20
150.0-151.0	11.1	0.6	3002.2	0.02	92.22
151.0-152.0	11.2	0.6	3002.8	0.02	92.24
152.0-153.0	11.3	0.6	3003.4	0.02	92.25
153.0-154.0	11.4	0.6	3003.9	0.02	92.27
154.0-155.0	11.5	0.5	3004.5	0.02	92.29
155.0-156.0	11.6	0.5	3005.0	0.02	92.30
156.0-157.0	11.7	0.5	3005.5	0.02	92.32
157.0-158.0	11.7	0.5	3006.0	0.02	92.34
158.0-159.0	11.8	0.5	3006.5	0.01	92.35
159.0-160.0	11.9	0.5	3006.9	0.01	92.36
160.0-161.0	12.0	0.4	3007.4	0.01	92.38
161.0-162.0	12.1	0.4	3007.8	0.01	92.39
162.0-163.0	12.1	0.4	3008.2	0.01	92.40
163.0-164.0	12.2	0.4	3008.6	0.01	92.41
164.0-165.0	12.3	0.4	3008.9	0.01	92.43
165.0-166.0	12.3	0.3	3009.3	0.01	92.44
166.0-167.0	12.4	0.3	3009.6	0.01	92.45
167.0-168.0	12.4	0.3	3009.9	0.01	92.45
168.0-169.0	12.5	0.3	3010.1	0.01	92.46
169.0-170.0	12.5	0.2	3010.4	0.01	92.47
170.0-171.0	12.5	0.2	3010.6	0.01	92.48
171.0-172.0	12.6	0.2	3010.8	0.01	92.48
172.0-173.0	12.6	0.2	3011.0	0.01	92.49
173.0-174.0	12.6	0.2	3011.2	0.00	92.49
174.0-175.0	12.7	0.1	3011.3	0.00	92.50
175.0-176.0	12.7	0.1	3011.4	0.00	92.50
176.0-177.0	12.8	0.1	3011.5	0.00	92.50
177.0-178.0	12.8	0.1	3011.5	0.00	92.51
178.0-179.0	12.8	0.0	3011.6	0.00	92.51
179.0-180.0	12.8	0.0	3011.6	0.00	92.51

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

## Zonal Lumen (Continue 5)

cone flux(90°): 1557.07 lm

%lum = 47.8%

%lamp = 51.7%

cone flux(120°): 2287.44 lm

%lum = 70.3%

%lamp = 76.0%

## 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	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2
G1.0	1031.1	1031.0	1030.8	1031.0	1031.1	1031.1	1031.1	1031.1	1030.7	1030.9
G2.0	1030.5	1030.4	1030.2	1030.4	1030.5	1030.6	1030.7	1030.4	1030.2	1030.2
G3.0	1029.4	1029.5	1029.1	1029.1	1029.3	1029.5	1029.6	1029.6	1028.9	1029.1
G4.0	1028.1	1027.7	1027.7	1027.6	1028.0	1028.2	1028.5	1028.1	1027.5	1027.3
G5.0	1026.4	1026.1	1025.7	1025.7	1026.2	1026.6	1027.0	1026.3	1025.5	1025.1
G6.0	1024.2	1023.9	1023.2	1023.1	1023.6	1024.5	1024.9	1024.2	1023.0	1022.8
G7.0	1021.6	1021.4	1020.6	1020.2	1021.0	1021.9	1022.3	1021.6	1020.4	1019.8
G8.0	1018.8	1018.2	1017.5	1017.4	1018.0	1019.2	1019.6	1018.2	1017.1	1016.2
G9.0	1015.4	1014.6	1013.7	1013.3	1014.4	1015.6	1016.5	1015.3	1013.4	1012.7
G10.0	1012.0	1011.1	1009.8	1009.3	1010.3	1012.2	1012.7	1011.7	1009.6	1008.6
G11.0	1007.6	1006.7	1005.0	1004.6	1005.8	1007.7	1008.9	1007.6	1005.0	1003.8
G12.0	1003.5	1002.3	1000.6	999.5	1001.2	1003.7	1005.0	1003.1	1000.5	999.1
G13.0	998.8	997.3	995.4	994.5	996.2	999.2	1000.4	998.4	995.4	993.6
G14.0	993.6	992.1	989.5	988.5	990.3	993.6	995.1	993.0	989.4	987.6
G15.0	988.2	986.9	984.0	982.9	984.5	988.3	990.3	987.7	983.8	981.5
G16.0	982.1	980.3	977.1	975.7	977.9	982.0	984.1	981.3	976.9	974.8
G17.0	976.3	974.3	970.7	969.3	971.6	976.1	978.5	975.4	970.6	968.2
G18.0	970.0	967.7	963.8	962.1	964.7	969.9	972.5	968.9	963.8	961.2
G19.0	963.0	960.5	956.0	954.1	957.0	962.4	965.4	961.7	955.7	952.6
G20.0	956.2	953.5	948.3	946.4	949.2	955.6	958.7	954.7	948.2	945.1
G21.0	948.7	945.9	940.4	938.2	941.6	948.1	951.5	947.3	939.9	936.8
G22.0	940.9	937.6	931.7	929.1	932.9	939.9	943.7	939.1	931.2	927.6
G23.0	933.2	929.5	922.9	920.5	924.2	932.2	936.3	931.4	922.9	919.1
G24.0	924.3	920.4	913.3	910.4	914.7	923.1	927.5	922.0	912.9	908.8
G25.0	915.7	911.8	904.0	900.6	905.6	914.7	919.5	913.6	904.0	899.4
G26.0	907.3	902.7	894.8	891.2	896.1	905.8	911.3	905.0	894.6	890.0
G27.0	897.9	893.0	884.3	880.5	885.8	896.2	901.6	894.7	883.7	878.5
G28.0	888.6	883.2	874.0	869.9	875.7	887.0	892.8	885.8	874.1	868.5
G29.0	879.2	873.7	863.9	859.6	865.6	877.3	883.7	875.9	863.4	857.3
G30.0	868.4	862.6	852.0	847.5	853.8	866.7	872.9	865.2	852.0	845.8
G31.0	858.7	852.4	841.5	836.5	843.3	856.4	863.4	855.4	841.3	834.8
G32.0	847.4	841.1	829.7	824.3	831.6	845.3	852.9	843.8	829.5	822.4
G33.0	837.1	830.1	818.1	812.6	820.0	835.0	842.3	833.3	817.9	810.3
G34.0	826.8	819.5	806.7	801.0	808.8	824.2	831.6	822.3	806.0	798.2
G35.0	814.8	807.2	793.5	787.5	795.6	812.1	820.1	809.7	792.9	784.4
G36.0	804.0	796.1	781.3	774.9	784.0	800.8	809.1	798.7	780.6	772.2

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

## Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G37.0	792.6	784.2	769.2	762.7	771.6	789.6	797.3	785.9	767.4	758.6
G38.0	780.3	771.5	755.9	749.0	758.4	776.5	786.0	774.4	754.5	745.6
G39.0	768.5	759.4	743.1	735.9	745.5	765.0	774.7	762.8	742.3	732.8
G40.0	755.9	746.2	729.1	721.9	731.8	751.6	761.8	749.3	727.8	718.0
G41.0	743.8	733.5	715.7	708.1	718.6	739.6	750.5	737.4	715.0	705.0
G42.0	732.1	721.4	702.8	695.0	705.7	727.1	738.2	725.3	701.3	690.8
G43.0	718.6	707.9	687.8	679.6	691.0	713.8	725.4	711.2	687.1	676.0
G44.0	706.6	694.7	674.7	666.1	677.8	701.2	713.7	698.8	673.8	662.4
G45.0	693.9	681.7	660.7	651.8	664.0	687.9	700.1	684.5	658.4	646.5
G46.0	680.6	667.7	645.8	636.7	649.2	674.3	688.0	672.0	644.9	632.6
G47.0	667.6	654.3	631.5	622.2	634.8	661.6	675.3	658.7	630.5	617.8
G48.0	654.2	640.1	616.5	606.8	620.0	647.1	661.8	644.6	615.2	602.2
G49.0	641.2	626.5	601.7	591.6	605.4	634.1	649.0	631.0	600.4	587.1
G50.0	628.5	613.6	587.8	577.2	591.3	620.5	636.7	618.0	586.4	572.6
G51.0	614.2	598.4	571.5	560.8	575.2	605.8	622.8	603.0	570.8	556.4
G52.0	601.7	585.1	556.5	546.2	561.1	592.5	609.8	589.8	555.7	540.9
G53.0	588.5	571.1	542.0	530.8	546.1	578.7	596.4	574.5	539.8	524.6
G54.0	574.6	556.6	525.4	514.5	530.3	564.3	583.2	561.4	524.4	509.0
G55.0	561.2	542.3	510.9	499.1	515.2	550.3	570.7	547.8	509.9	494.0
G56.0	546.6	527.8	494.0	482.0	499.2	535.7	556.3	532.6	492.9	476.5
G57.0	533.9	513.6	479.2	466.9	483.8	521.7	543.7	519.2	478.1	461.4
G58.0	520.5	499.4	463.8	450.9	468.4	507.8	530.5	505.1	463.1	445.1
G59.0	505.9	483.9	446.7	433.4	451.5	492.5	516.8	490.3	446.1	428.3
G60.0	493.2	470.5	431.7	418.1	436.7	479.2	503.4	476.1	430.4	411.9
G61.0	478.6	454.8	414.5	400.2	419.6	463.8	489.7	461.4	413.9	394.8
G62.0	465.7	441.1	399.4	384.7	404.8	450.4	476.8	447.1	398.8	378.4
G63.0	452.2	426.8	383.6	368.5	389.0	436.4	463.5	433.4	382.8	362.5
G64.0	437.4	411.7	366.3	350.5	371.9	421.5	449.8	418.6	366.4	344.6
G65.0	424.5	397.4	351.1	334.8	356.8	407.4	436.4	404.3	350.5	328.7
G66.0	410.9	382.9	335.2	318.2	341.1	393.8	423.8	390.6	335.3	312.9
G67.0	396.8	367.7	318.4	300.9	324.5	378.4	410.1	375.0	317.9	295.4
G68.0	383.6	353.4	303.2	284.3	308.8	364.7	396.8	361.4	302.7	278.5
G69.0	369.2	338.2	285.8	266.8	292.3	349.3	382.6	346.4	286.0	260.7
G70.0	355.4	323.9	270.0	250.3	276.6	335.3	369.3	332.1	270.2	243.8
G71.0	342.1	310.2	254.7	234.7	261.7	321.8	356.0	318.5	255.0	227.8
G72.0	326.6	294.5	237.8	216.7	244.7	306.4	340.8	302.9	237.7	209.5
G73.0	312.4	280.0	222.2	201.1	229.9	292.7	327.4	288.4	222.7	193.7

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

## Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G74.0	298.6	265.9	207.5	185.0	214.5	278.3	313.3	274.6	207.2	177.4
G75.0	282.8	250.6	190.6	168.1	198.5	263.3	297.5	258.6	190.9	160.5
G76.0	268.8	235.9	176.3	152.3	183.4	248.7	283.7	244.5	175.7	144.7
G77.0	252.8	219.7	160.2	135.6	167.3	233.5	267.7	228.3	159.4	128.4
G78.0	238.0	205.4	146.3	121.2	153.8	218.8	253.2	214.0	145.6	113.4
G79.0	220.9	190.2	132.2	106.4	139.9	204.7	237.7	198.8	131.9	99.4
G80.0	199.6	174.1	118.0	91.6	125.5	188.0	219.3	182.3	116.7	84.0
G81.0	176.3	155.3	104.3	77.7	111.9	172.3	198.7	164.9	103.6	70.9
G82.0	149.5	134.6	91.4	65.9	99.3	154.5	173.6	143.6	88.9	57.9
G83.0	115.6	110.0	77.8	52.9	84.9	132.3	144.5	120.6	75.8	46.5
G84.0	75.9	83.6	65.3	42.4	72.5	107.1	110.5	95.0	62.6	36.8
G85.0	28.9	48.4	50.0	31.9	57.8	74.1	63.2	60.3	46.9	26.8
G86.0	4.6	14.7	36.0	23.8	44.1	39.7	19.6	26.5	32.6	19.1
G87.0	3.9	7.2	21.1	16.2	29.1	9.8	4.8	8.2	18.2	13.0
G88.0	3.5	5.6	9.8	11.0	14.2	6.1	4.2	6.8	9.6	9.3
G89.0	3.3	4.2	6.4	7.2	7.9	4.9	4.0	5.4	6.2	5.2
G90.0	3.2	3.2	3.0	3.3	4.6	3.5	3.8	4.0	3.5	3.3
G91.0	3.3	3.2	3.0	3.0	3.0	3.3	3.8	3.8	3.6	3.5
G92.0	3.4	3.3	3.1	3.0	3.1	3.4	3.9	3.9	3.7	3.6
G93.0	3.6	3.5	3.2	3.1	3.3	3.5	4.0	4.1	3.8	3.7
G94.0	3.7	3.7	3.4	3.3	3.3	3.6	4.2	4.1	4.0	3.8
G95.0	3.8	3.7	3.5	3.4	3.4	3.8	4.2	4.3	4.0	4.0
G96.0	4.0	3.8	3.7	3.5	3.6	3.9	4.4	4.4	4.2	4.1
G97.0	4.1	4.0	3.8	3.6	3.7	4.0	4.5	4.5	4.3	4.1
G98.0	4.2	4.1	3.9	3.8	3.9	4.1	4.6	4.7	4.4	4.3
G99.0	4.3	4.2	4.1	3.9	3.9	4.3	4.8	4.8	4.6	4.4
G100.0	4.5	4.3	4.2	4.0	4.2	4.3	4.9	4.9	4.7	4.6
G101.0	4.6	4.4	4.4	4.1	4.3	4.5	5.0	4.9	4.8	4.7
G102.0	4.7	4.6	4.5	4.3	4.4	4.6	5.1	5.1	4.9	4.8
G103.0	4.8	4.7	4.6	4.4	4.5	4.8	5.3	5.2	5.0	4.9
G104.0	5.0	4.8	4.7	4.5	4.7	4.9	5.3	5.3	5.2	5.1
G105.0	5.1	5.0	4.8	4.7	4.8	5.0	5.5	5.5	5.3	5.3
G106.0	5.2	5.0	4.9	4.8	4.9	5.2	5.6	5.6	5.5	5.3
G107.0	5.3	5.2	5.1	5.0	5.0	5.3	5.8	5.8	5.5	5.5
G108.0	5.4	5.4	5.2	5.0	5.1	5.5	5.9	5.8	5.7	5.6
G109.0	5.6	5.5	5.5	5.2	5.3	5.6	6.0	6.0	5.8	5.8
G110.0	5.8	5.6	5.7	5.4	5.5	5.7	6.2	6.2	6.0	5.8

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

## Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G111.0	5.8	5.8	5.8	5.5	5.6	5.8	6.2	6.3	6.2	5.9
G112.0	6.0	5.9	5.8	5.6	5.8	6.0	6.4	6.4	6.3	6.1
G113.0	6.1	6.0	5.9	5.8	5.9	6.0	6.5	6.6	6.4	6.2
G114.0	6.2	6.2	6.0	5.9	6.1	6.2	6.6	6.6	6.6	6.4
G115.0	6.3	6.3	6.0	6.0	6.2	6.4	6.8	6.8	6.6	6.5
G116.0	6.5	6.3	6.2	6.2	6.3	6.5	6.9	7.0	6.8	6.6
G117.0	6.7	6.5	6.4	6.3	6.5	6.6	7.0	7.1	6.9	6.8
G118.0	6.8	6.7	6.5	6.4	6.6	6.8	7.2	7.2	7.0	6.9
G119.0	6.9	6.8	6.6	6.6	6.7	6.9	7.3	7.3	7.2	7.1
G120.0	7.0	6.9	6.8	6.7	6.8	7.1	7.5	7.4	7.3	7.2
G121.0	7.2	7.0	6.9	6.9	7.0	7.2	7.6	7.6	7.4	7.3
G122.0	7.4	7.3	7.0	7.1	7.1	7.3	7.7	7.7	7.5	7.4
G123.0	7.5	7.3	7.2	7.1	7.3	7.5	7.9	8.0	7.7	7.7
G124.0	7.7	7.5	7.3	7.3	7.4	7.7	8.0	8.0	7.9	7.7
G125.0	7.9	7.7	7.4	7.3	7.5	7.8	8.2	8.2	8.0	7.9
G126.0	8.0	7.8	7.6	7.5	7.7	7.9	8.3	8.3	8.1	8.0
G127.0	8.2	8.0	7.8	7.7	7.8	8.0	8.4	8.4	8.2	8.2
G128.0	8.3	8.1	7.9	7.9	8.0	8.2	8.6	8.6	8.3	8.3
G129.0	8.4	8.2	8.0	8.0	8.1	8.4	8.8	8.8	8.5	8.4
G130.0	8.6	8.4	8.2	8.1	8.2	8.6	8.9	8.9	8.7	8.6
G131.0	8.7	8.5	8.3	8.2	8.4	8.7	9.1	9.0	8.8	8.7
G132.0	8.8	8.7	8.4	8.4	8.4	8.8	9.3	9.1	8.9	8.8
G133.0	9.0	8.9	8.6	8.6	8.6	8.9	9.5	9.3	9.0	8.9
G134.0	9.1	9.1	8.7	8.7	8.7	9.0	9.5	9.3	9.2	9.1
G135.0	9.2	9.2	8.8	8.8	8.9	9.1	9.6	9.5	9.3	9.3
G136.0	9.4	9.3	9.0	8.9	9.0	9.4	9.7	9.6	9.4	9.3
G137.0	9.6	9.4	9.1	9.1	9.2	9.3	9.8	9.7	9.5	9.4
G138.0	9.7	9.5	9.3	9.2	9.3	9.5	10.0	9.9	9.7	9.6
G139.0	9.8	9.7	9.3	9.3	9.4	9.7	10.0	10.0	9.8	9.7
G140.0	9.8	9.8	9.5	9.4	9.5	9.9	10.2	10.1	9.9	9.8
G141.0	10.0	9.9	9.6	9.5	9.7	9.9	10.3	10.2	10.0	10.0
G142.0	10.2	10.0	9.7	9.7	9.8	10.0	10.4	10.4	10.1	10.1
G143.0	10.3	10.2	9.8	9.9	9.9	10.1	10.5	10.6	10.2	10.2
G144.0	10.4	10.3	10.0	9.9	10.0	10.3	10.7	10.7	10.3	10.3
G145.0	10.5	10.4	10.1	10.1	10.1	10.4	10.8	10.8	10.5	10.5
G146.0	10.6	10.5	10.3	10.2	10.2	10.5	10.9	10.9	10.6	10.6
G147.0	10.7	10.6	10.4	10.3	10.3	10.6	11.0	11.0	10.7	10.7

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 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	10.8	10.7	10.5	10.4	10.5	10.7	11.1	11.1	10.8	10.8
G149.0	10.9	10.7	10.6	10.6	10.6	10.8	11.2	11.3	10.9	11.0
G150.0	11.0	10.9	10.8	10.8	10.7	10.9	11.3	11.4	11.0	11.0
G151.0	11.1	11.0	10.9	10.9	10.8	11.1	11.4	11.4	11.1	11.1
G152.0	11.3	11.1	11.0	10.9	10.9	11.1	11.5	11.5	11.3	11.3
G153.0	11.3	11.2	11.1	11.0	11.0	11.3	11.7	11.6	11.3	11.4
G154.0	11.4	11.3	11.2	11.2	11.1	11.3	11.7	11.7	11.4	11.5
G155.0	11.5	11.4	11.3	11.3	11.2	11.4	11.8	11.8	11.5	11.6
G156.0	11.6	11.5	11.4	11.3	11.3	11.6	11.9	11.9	11.6	11.7
G157.0	11.7	11.6	11.5	11.5	11.4	11.6	11.9	11.9	11.7	11.7
G158.0	11.8	11.7	11.6	11.6	11.5	11.7	12.0	12.0	11.8	11.8
G159.0	11.9	11.8	11.7	11.6	11.6	11.7	12.0	12.0	11.9	12.0
G160.0	11.9	11.9	11.8	11.7	11.7	11.8	12.1	12.0	11.9	12.0
G161.0	12.0	12.0	11.9	11.8	11.7	11.9	12.2	12.1	12.0	12.0
G162.0	12.1	12.1	11.9	12.0	11.9	12.0	12.3	12.3	12.1	12.2
G163.0	12.1	12.2	12.0	12.0	11.9	12.0	12.3	12.2	12.2	12.2
G164.0	12.2	12.2	12.1	12.0	12.0	12.0	12.3	12.4	12.3	12.3
G165.0	12.3	12.2	12.2	12.1	12.0	12.2	12.5	12.4	12.4	12.4
G166.0	12.3	12.3	12.2	12.2	12.1	12.2	12.5	12.5	12.3	12.4
G167.0	12.4	12.4	12.4	12.2	12.2	12.3	12.5	12.5	12.5	12.5
G168.0	12.5	12.5	12.4	12.3	12.3	12.3	12.5	12.5	12.5	12.6
G169.0	12.5	12.5	12.5	12.4	12.3	12.4	12.5	12.5	12.5	12.6
G170.0	12.5	12.5	12.5	12.5	12.3	12.4	12.5	12.5	12.5	12.6
G171.0	12.5	12.5	12.5	12.6	12.5	12.6	12.6	12.5	12.5	12.6
G172.0	12.5	12.7	12.5	12.5	12.5	12.6	12.6	12.5	12.6	12.5
G173.0	12.6	12.7	12.5	12.5	12.6	12.6	12.5	12.5	12.6	12.7
G174.0	12.7	12.7	12.6	12.5	12.5	12.6	12.7	12.5	12.7	12.7
G175.0	12.7	12.8	12.7	12.5	12.6	12.6	12.8	12.5	12.6	12.7
G176.0	12.8	12.8	12.7	12.7	12.7	12.6	12.8	12.8	12.8	12.8
G177.0	12.8	12.8	12.7	12.7	12.7	12.8	12.8	12.8	12.7	12.7
G178.0	12.9	12.8	12.8	12.7	12.6	12.7	12.9	12.9	12.8	12.7
G179.0	12.9	12.8	12.8	12.7	12.7	12.7	12.9	12.8	12.8	12.8
G180.0	12.9	12.9	12.7	12.8	12.7	12.8	12.9	12.8	12.8	12.8

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

## Candlepower Table (Continue 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	1031.2	1031.2	1031.2							
G1.0	1031.0	1031.1	1031.1							
G2.0	1030.4	1030.3	1030.5							
G3.0	1029.2	1029.2	1029.4							
G4.0	1027.7	1027.7	1028.1							
G5.0	1025.8	1025.9	1026.4							
G6.0	1023.3	1023.4	1024.2							
G7.0	1020.5	1021.0	1021.6							
G8.0	1016.9	1017.8	1018.8							
G9.0	1013.6	1014.5	1015.4							
G10.0	1009.6	1010.7	1012.0							
G11.0	1004.9	1006.5	1007.6							
G12.0	1000.4	1002.0	1003.5							
G13.0	995.2	997.3	998.8							
G14.0	989.3	991.9	993.6							
G15.0	983.3	986.4	988.2							
G16.0	976.7	980.0	982.1							
G17.0	970.3	973.9	976.3							
G18.0	963.2	967.4	970.0							
G19.0	955.4	960.2	963.0							
G20.0	948.1	952.8	956.2							
G21.0	940.0	945.6	948.7							
G22.0	931.2	937.0	940.9							
G23.0	922.8	928.7	933.2							
G24.0	912.8	919.9	924.3							
G25.0	903.8	911.6	915.7							
G26.0	894.4	902.7	907.3							
G27.0	883.3	892.7	897.9							
G28.0	873.4	883.3	888.6							
G29.0	863.0	873.4	879.2							
G30.0	851.5	862.6	868.4							
G31.0	840.9	852.6	858.7							
G32.0	828.5	840.6	847.4							
G33.0	817.1	829.9	837.1							
G34.0	805.3	818.9	826.8							
G35.0	791.8	806.5	814.8							
G36.0	780.2	795.4	804.0							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

## Candlepower Table (Continue 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	766.8	782.4	792.6							
G38.0	754.1	771.0	780.3							
G39.0	741.7	758.7	768.5							
G40.0	727.1	745.6	755.9							
G41.0	714.4	733.6	743.8							
G42.0	701.4	720.8	732.1							
G43.0	686.3	707.2	718.6							
G44.0	672.9	694.1	706.6							
G45.0	657.4	680.4	693.9							
G46.0	643.8	667.6	680.6							
G47.0	629.4	654.4	667.6							
G48.0	614.1	640.0	654.2							
G49.0	600.0	626.3	641.2							
G50.0	585.2	613.4	628.5							
G51.0	569.4	598.1	614.2							
G52.0	554.5	584.8	601.7							
G53.0	538.6	569.5	588.5							
G54.0	523.2	556.1	574.6							
G55.0	508.5	542.2	561.2							
G56.0	491.5	527.5	546.6							
G57.0	476.7	514.1	533.9							
G58.0	461.2	499.9	520.5							
G59.0	444.7	485.3	505.9							
G60.0	428.8	470.8	493.2							
G61.0	412.3	456.1	478.6							
G62.0	396.4	441.7	465.7							
G63.0	381.2	428.1	452.2							
G64.0	364.6	412.4	437.4							
G65.0	348.6	398.6	424.5							
G66.0	333.3	384.3	410.9							
G67.0	315.9	369.0	396.8							
G68.0	300.6	355.3	383.6							
G69.0	284.0	339.7	369.2							
G70.0	267.8	326.0	355.4							
G71.0	252.8	311.8	342.1							
G72.0	235.5	296.8	326.6							
G73.0	220.4	282.2	312.4							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

## Candlepower Table (Continue 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	205.0	268.5	298.6							
G75.0	189.0	252.4	282.8							
G76.0	173.9	238.5	268.8							
G77.0	158.2	222.5	252.8							
G78.0	144.7	208.4	238.0							
G79.0	130.7	193.4	220.9							
G80.0	116.7	176.9	199.6							
G81.0	103.2	158.2	176.3							
G82.0	89.6	136.3	149.5							
G83.0	77.6	112.5	115.6							
G84.0	64.5	85.8	75.9							
G85.0	48.8	49.8	28.9							
G86.0	34.6	18.2	4.6							
G87.0	19.4	7.0	3.9							
G88.0	9.5	5.5	3.5							
G89.0	6.2	4.2	3.3							
G90.0	3.4	3.7	3.2							
G91.0	3.6	3.8	3.3							
G92.0	3.7	3.9	3.4							
G93.0	3.8	4.1	3.6							
G94.0	3.9	4.1	3.7							
G95.0	4.0	4.2	3.8							
G96.0	4.2	4.4	4.0							
G97.0	4.4	4.5	4.1							
G98.0	4.5	4.7	4.2							
G99.0	4.6	4.8	4.3							
G100.0	4.8	4.9	4.5							
G101.0	5.0	5.0	4.6							
G102.0	5.1	5.2	4.7							
G103.0	5.2	5.3	4.8							
G104.0	5.3	5.4	5.0							
G105.0	5.4	5.5	5.1							
G106.0	5.6	5.7	5.2							
G107.0	5.7	5.8	5.3							
G108.0	5.8	5.9	5.4							
G109.0	6.0	6.0	5.6							
G110.0	6.2	6.2	5.8							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

## Candlepower Table (Continue 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	6.3	6.3	5.8							
G112.0	6.4	6.4	6.0							
G113.0	6.4	6.5	6.1							
G114.0	6.5	6.6	6.2							
G115.0	6.6	6.8	6.3							
G116.0	6.8	6.9	6.5							
G117.0	6.9	7.1	6.7							
G118.0	7.0	7.2	6.8							
G119.0	7.1	7.4	6.9							
G120.0	7.2	7.4	7.0							
G121.0	7.3	7.6	7.2							
G122.0	7.5	7.8	7.4							
G123.0	7.6	7.9	7.5							
G124.0	7.8	8.0	7.7							
G125.0	7.9	8.2	7.9							
G126.0	8.1	8.3	8.0							
G127.0	8.2	8.4	8.2							
G128.0	8.4	8.5	8.3							
G129.0	8.4	8.7	8.4							
G130.0	8.6	8.8	8.6							
G131.0	8.8	9.0	8.7							
G132.0	8.8	9.1	8.8							
G133.0	8.9	9.3	9.0							
G134.0	9.1	9.4	9.1							
G135.0	9.3	9.6	9.2							
G136.0	9.4	9.7	9.4							
G137.0	9.5	9.8	9.6							
G138.0	9.6	10.0	9.7							
G139.0	9.8	10.1	9.8							
G140.0	9.9	10.2	9.8							
G141.0	10.0	10.3	10.0							
G142.0	10.1	10.4	10.2							
G143.0	10.3	10.5	10.3							
G144.0	10.4	10.6	10.4							
G145.0	10.5	10.7	10.5							
G146.0	10.6	10.9	10.6							
G147.0	10.8	11.1	10.7							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

## Candlepower Table (Continue 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	10.9	11.1	10.8							
G149.0	11.0	11.2	10.9							
G150.0	11.2	11.3	11.0							
G151.0	11.3	11.4	11.1							
G152.0	11.3	11.5	11.3							
G153.0	11.5	11.6	11.3							
G154.0	11.5	11.7	11.4							
G155.0	11.6	11.9	11.5							
G156.0	11.8	11.8	11.6							
G157.0	11.9	12.0	11.7							
G158.0	11.9	12.1	11.8							
G159.0	12.0	12.2	11.9							
G160.0	12.0	12.2	11.9							
G161.0	12.1	12.2	12.0							
G162.0	12.3	12.4	12.1							
G163.0	12.3	12.4	12.1							
G164.0	12.3	12.5	12.2							
G165.0	12.5	12.6	12.3							
G166.0	12.4	12.6	12.3							
G167.0	12.5	12.6	12.4							
G168.0	12.5	12.6	12.5							
G169.0	12.5	12.6	12.5							
G170.0	12.5	12.6	12.5							
G171.0	12.6	12.6	12.5							
G172.0	12.6	12.8	12.5							
G173.0	12.7	12.7	12.6							
G174.0	12.7	12.9	12.7							
G175.0	12.7	12.8	12.7							
G176.0	12.7	12.8	12.8							
G177.0	12.7	12.9	12.8							
G178.0	12.8	12.9	12.9							
G179.0	12.8	12.9	12.9							
G180.0	12.7	12.9	12.9							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

## LED Average Luminance Report

Avg.L	cd/m <sup>2</sup>
L 0-180(65) av	2794.49
L 0-180(75) av	3075.75
L 0-180(85) av	1449.73
L 90-270(65) av	2153.27
L 90-270(75) av	1741.47
L 90-270(85) av	924.07
L 45(65) av	2446.27
L 45(75) av	2376.98
L 45(85) av	1715.33

Standard: GB/T 29293-2012