

Report No.:

Test Time: 2017-11-08 16:21

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: LH802

Lamp Description: SLM C 830 1205 L12 G1

Lumens per Lamp: 2832.6

Luminous Width (mm): 50

Voltage: 219.6 V

Power: 28.92 W

Lamp Catalog: COB

Number of Lamps: 1

Luminous Length (mm): 50

Luminous Height (mm): 21

Current: 0.139 A

Power Factor: 0.951

Photometric Results

CIE Class: Direct

Measurement Flux: 2310.8 lm

Downward Ratio: 80.94%

Horizontal Diffuse Angle(50%): H51.3

Vertical Diffuse Angle(50%): V51.2

Luminaire Efficacy Rating (LER): 79.95

Max. Intensity: 3438.08 cd

S/MH(C0/C180): 0.80

Total Rated Lamp Lumens: 2832.6 lm

Efficiency: 81.58%

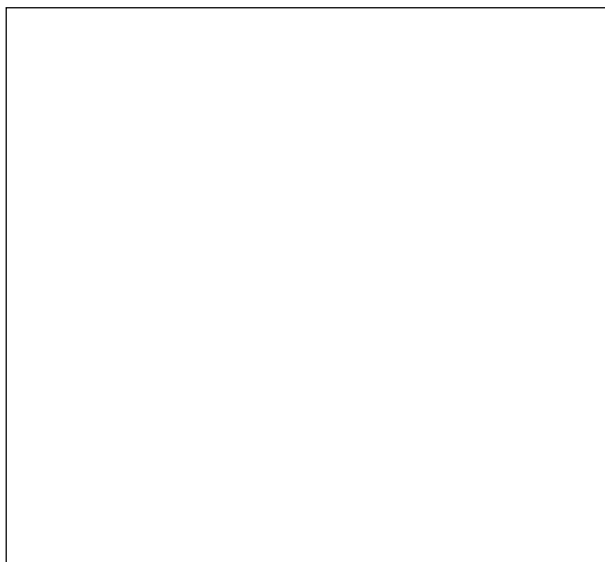
Upward Ratio: 0.64%

Central Intensity: 3423.22 cd

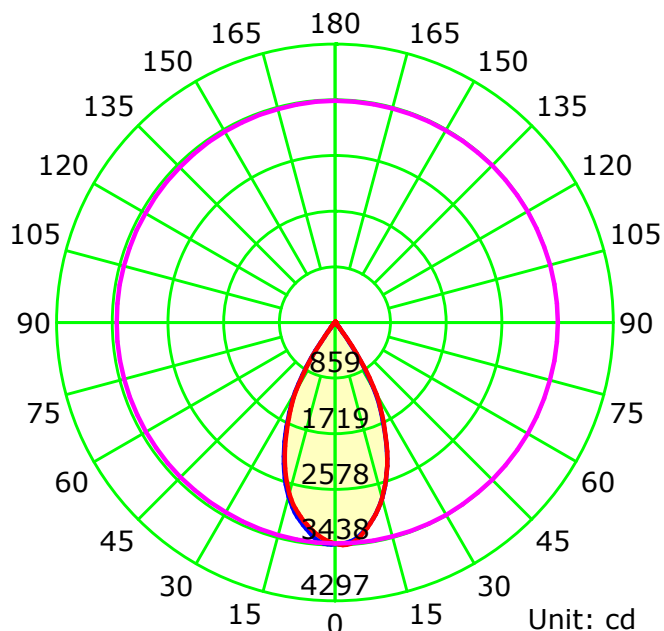
Pos of Max. Intensity: H90 V2

S/MH(C90/C270): 0.80

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G2

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

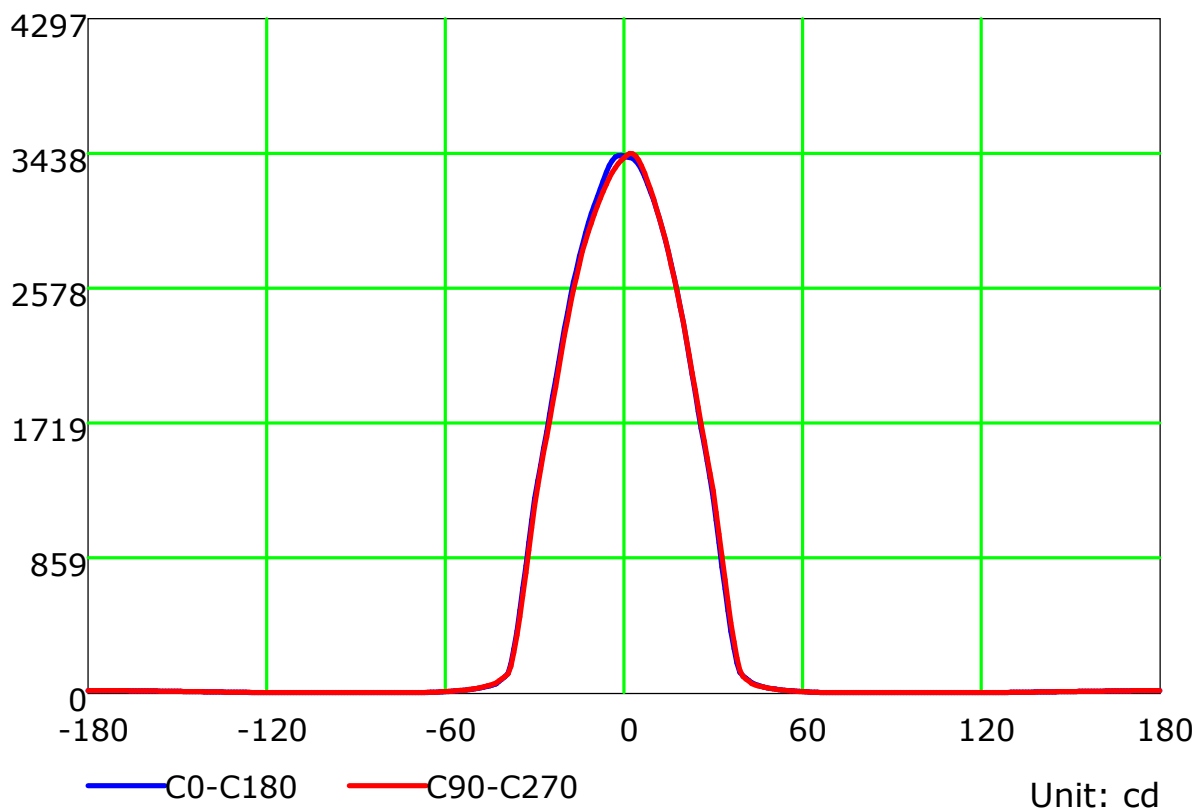
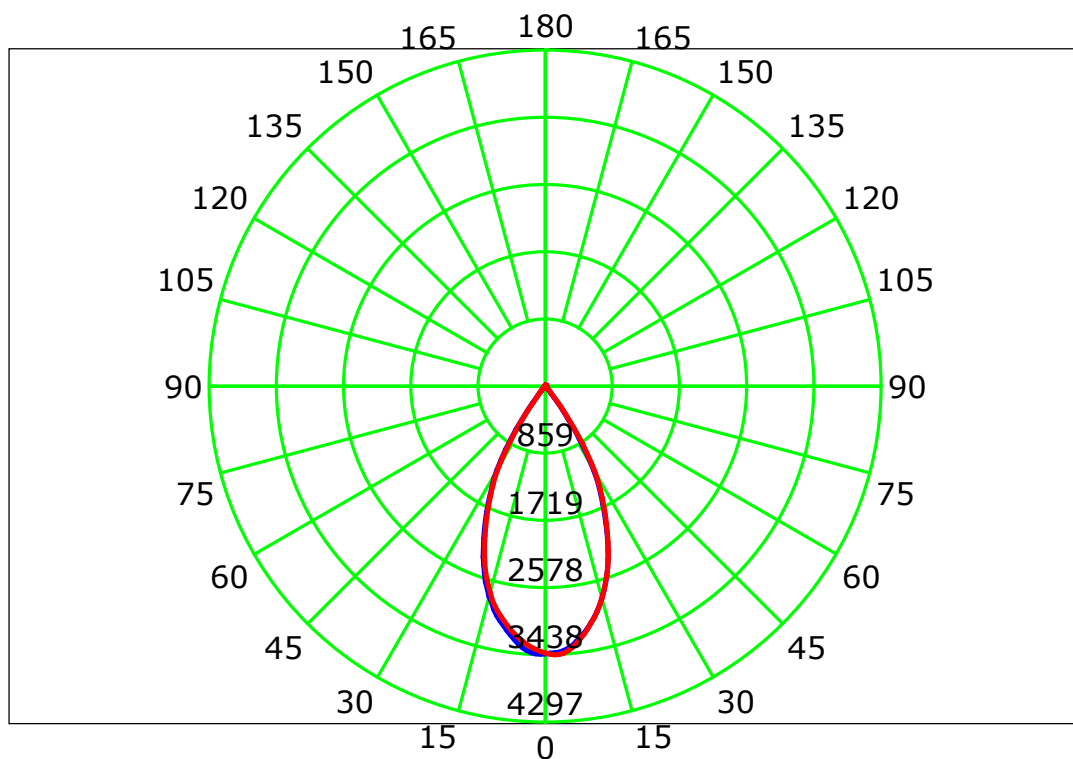
Test Device: GPM-1800B

Distance: 7.704 m

Humidity:

Inspector:

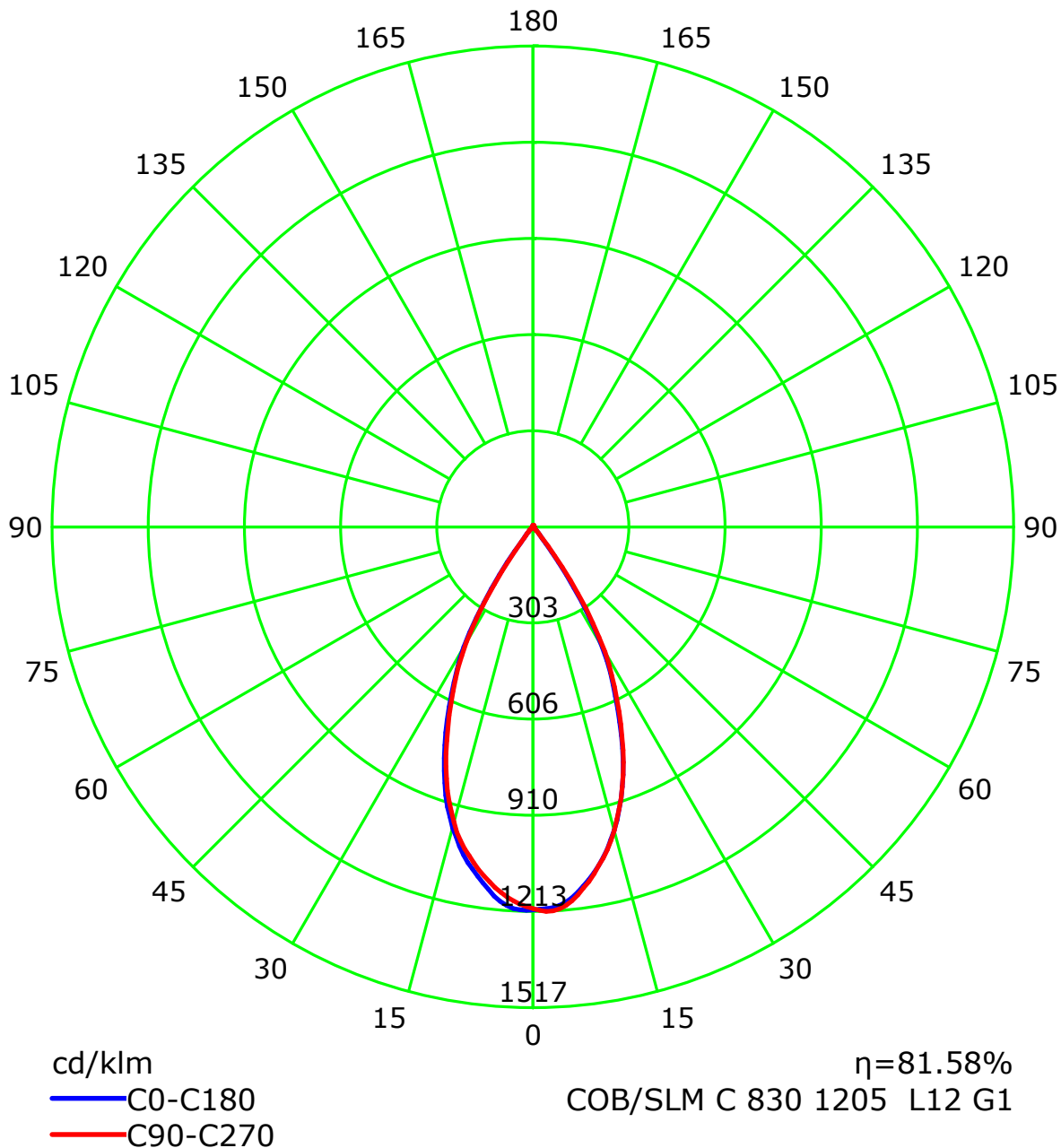
Luminous Intensity Distribution Curve



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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 7.704 m
Humidity:
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



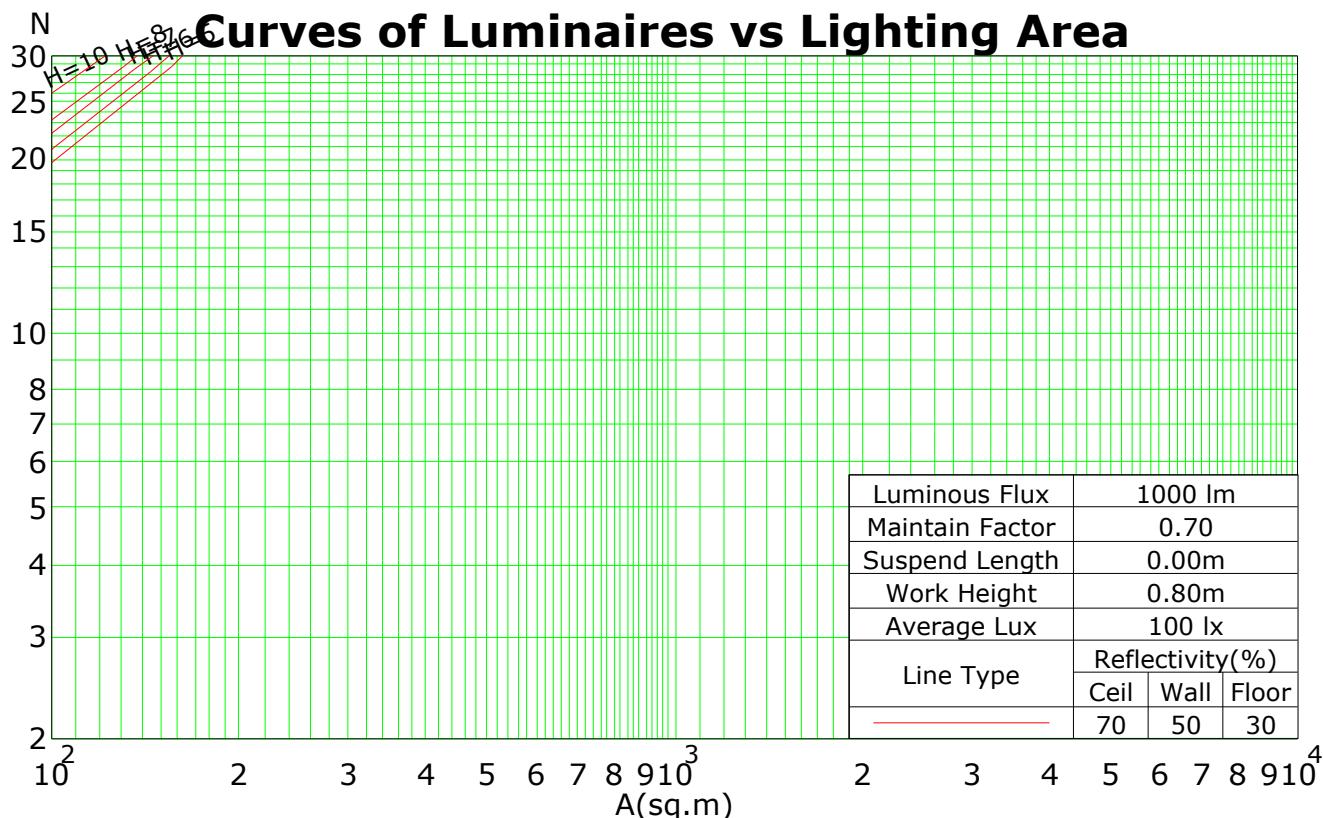
Coefficients Of Utilization - Zonal Cavity Method

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	97	97	97	97	95	95	95	95	90	90	90	86	86	86	83	83	83	81
1	93	91	89	87	91	89	87	86	85	84	83	82	81	80	79	79	78	76
2	89	85	82	79	87	84	81	78	81	79	77	78	77	75	76	75	73	72
3	85	80	76	73	83	79	75	73	77	74	71	74	72	70	73	71	69	68
4	81	75	71	68	79	74	70	68	72	69	67	71	68	66	69	67	65	64
5	77	71	67	63	76	70	66	63	69	65	63	67	64	62	66	63	61	60
6	74	67	63	59	73	66	62	59	65	62	59	64	61	58	63	60	58	57
7	71	64	59	56	69	63	59	56	62	58	55	61	58	55	60	57	55	54
8	67	60	56	53	67	60	56	53	59	55	52	58	55	52	57	54	52	51
9	65	57	53	50	64	57	53	50	56	52	50	55	52	49	55	52	49	48
10	62	55	50	47	61	54	50	47	54	50	47	53	49	47	52	49	47	46

Spacing Criteria (0-180): 0.80

Spacing Criteria (90-270): 0.80

Spacing Criteria (Diagonal): 0.80



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

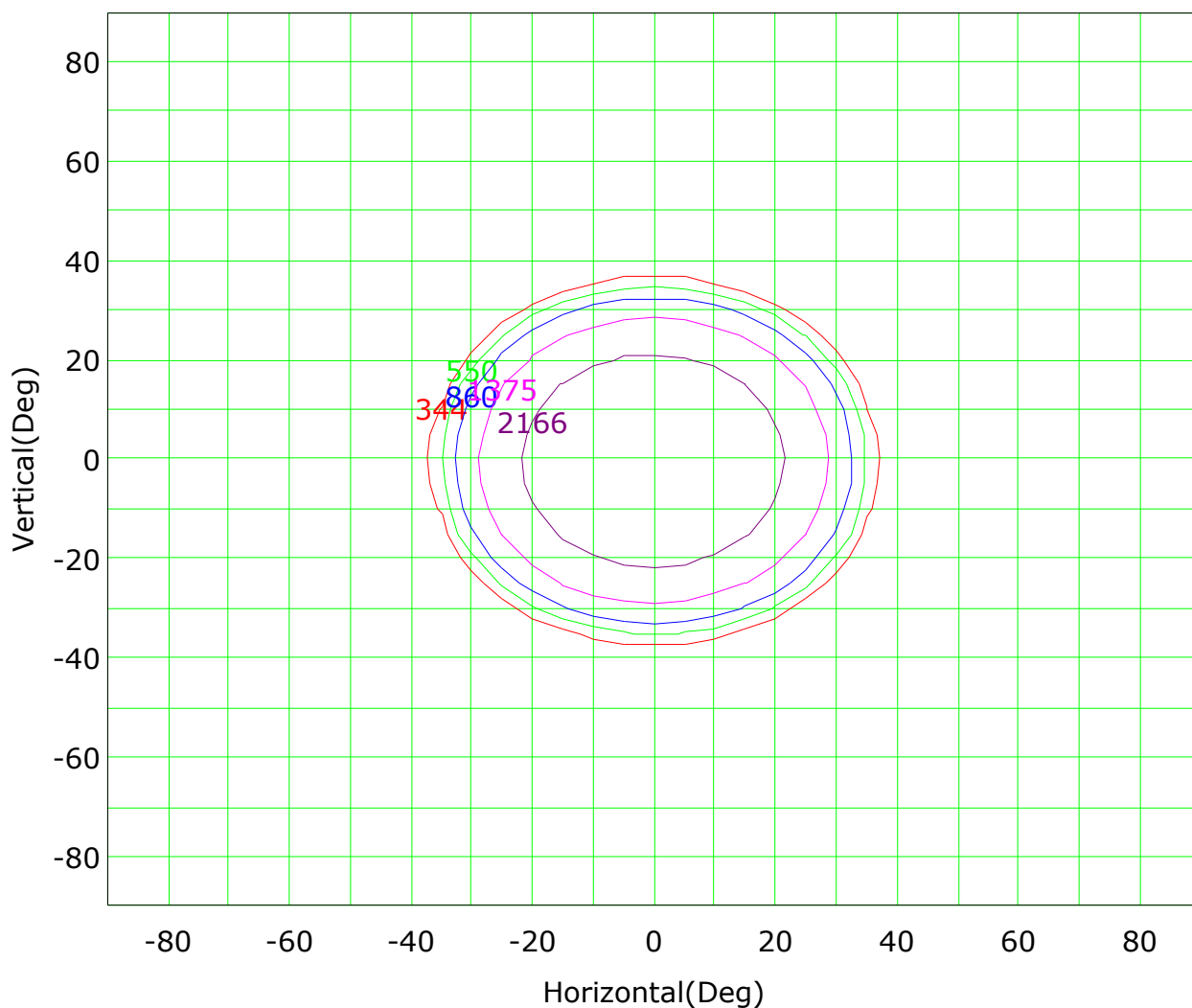
Test Device: GPM-1800B

Distance: 7.704 m

Humidity:

Inspector:

Isocandela (rectangle)



Imax (100%): 3438 cd

(10%): 344 cd	(16%): 550 cd
(25%): 860 cd	(40%): 1375 cd
(63%): 2166 cd	(100%): 3438 cd

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

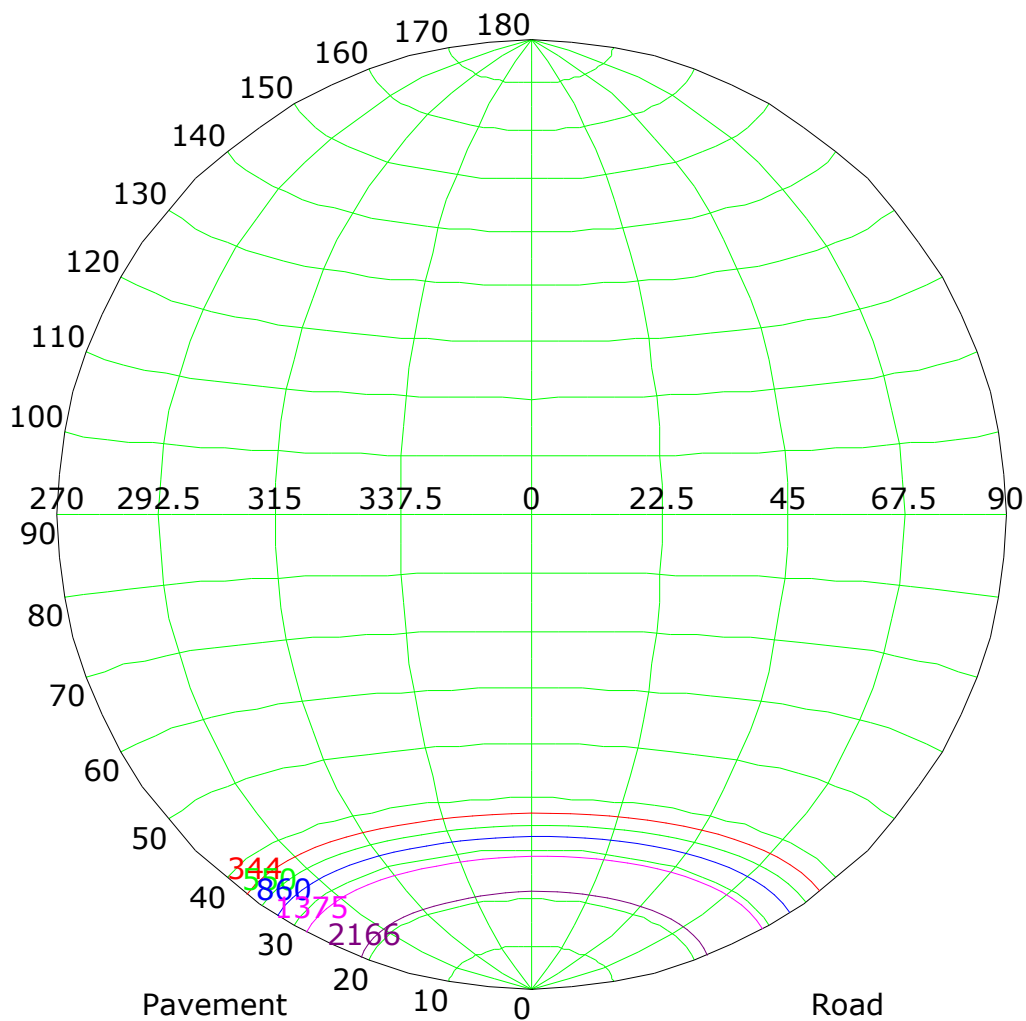
Test Device: GPM-1800B

Distance: 7.704 m

Humidity:

Inspector:

Isocandela (sphere)



Imax (100%): 3438 cd

(10%): 344 cd
(25%): 860 cd
(63%): 2166 cd

(16%): 550 cd
(40%): 1375 cd
(100%): 3438 cd

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

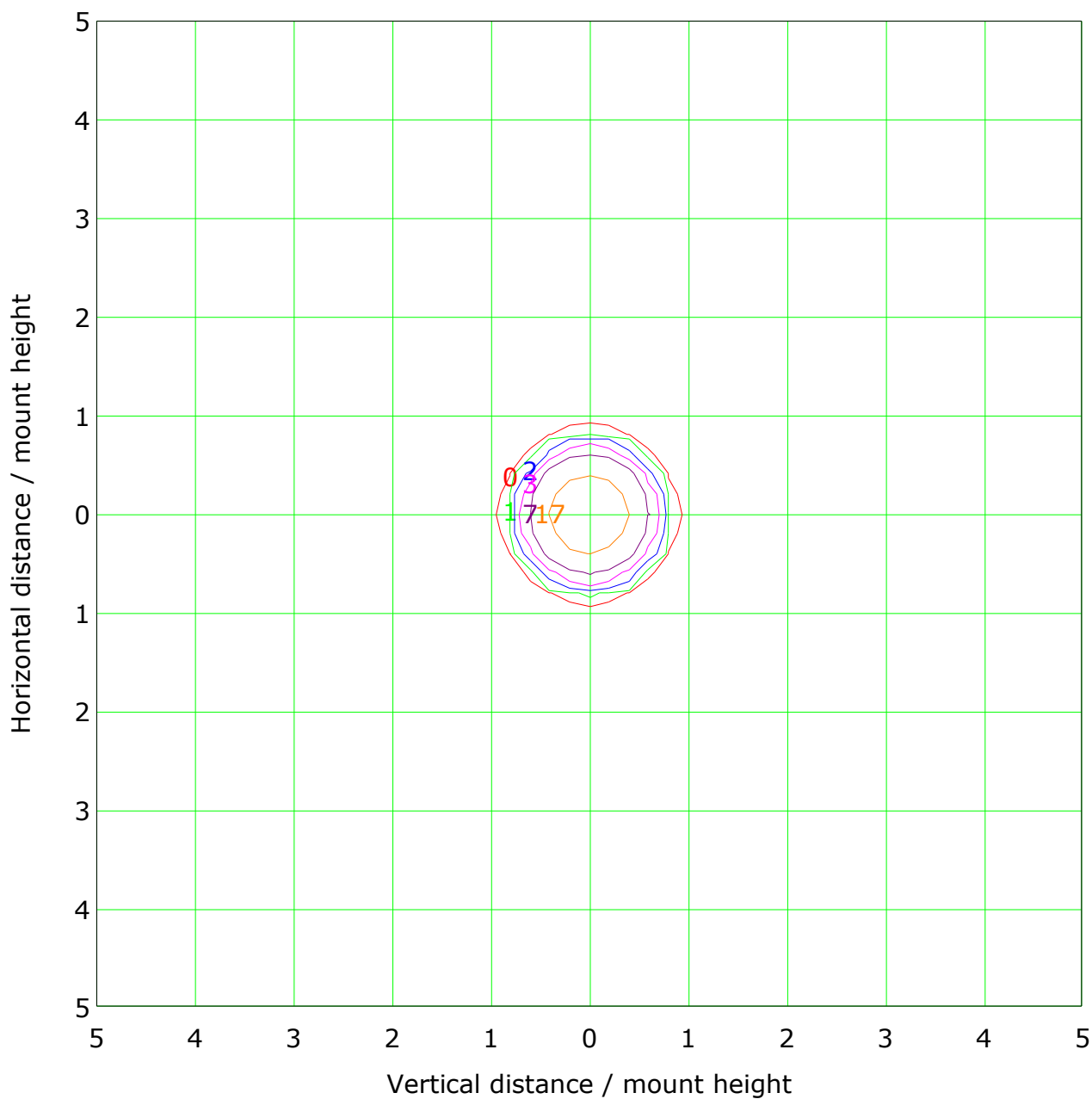
Test Device: GPM-1800B

Distance: 7.704 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 34.3 lx

(1%): 0.3 lx	(2%): 0.7 lx
(5%): 1.7 lx	(10%): 3.4 lx
(20%): 6.9 lx	(50%): 17.2 lx
(100%): 34.3 lx	

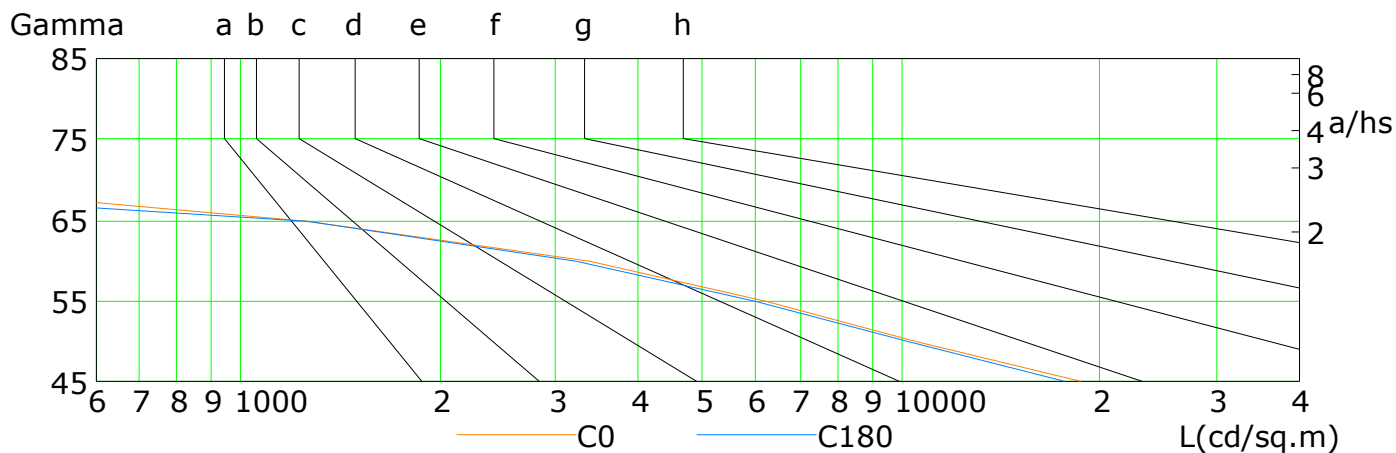
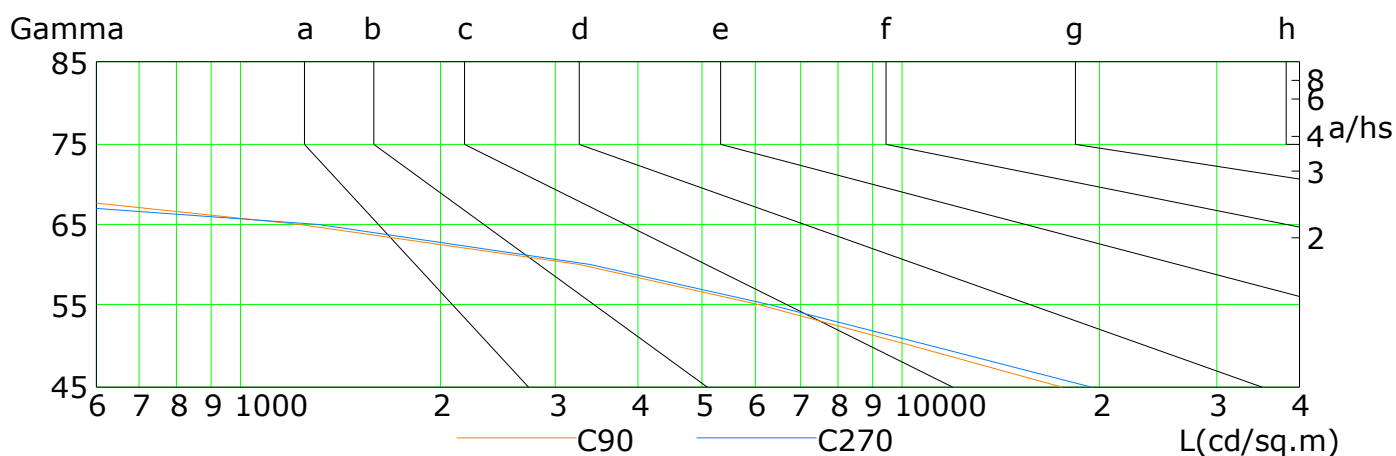
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 7.704 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

a b c d e f g h



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	18759	10500	6216	3362	1260	228	205	170	198
C90	17548	10185	6033	3242	1220	320	205	232	198
C180	17616	10218	5998	3205	1260	136	102	116	135
C270	19365	10919	6290	3362	1305	185	150	170	135

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

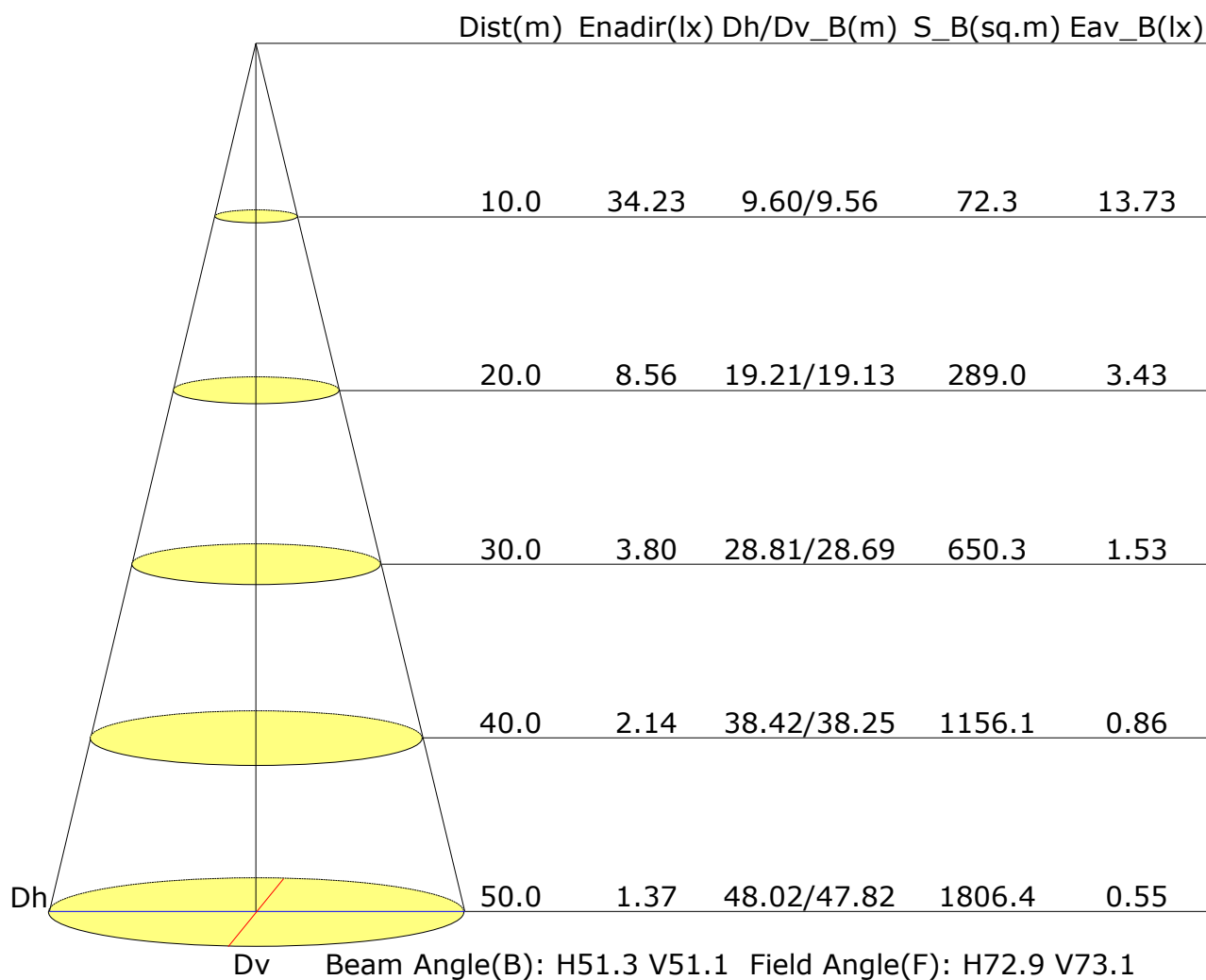
Test Device: GPM-1800B

Distance: 7.704 m

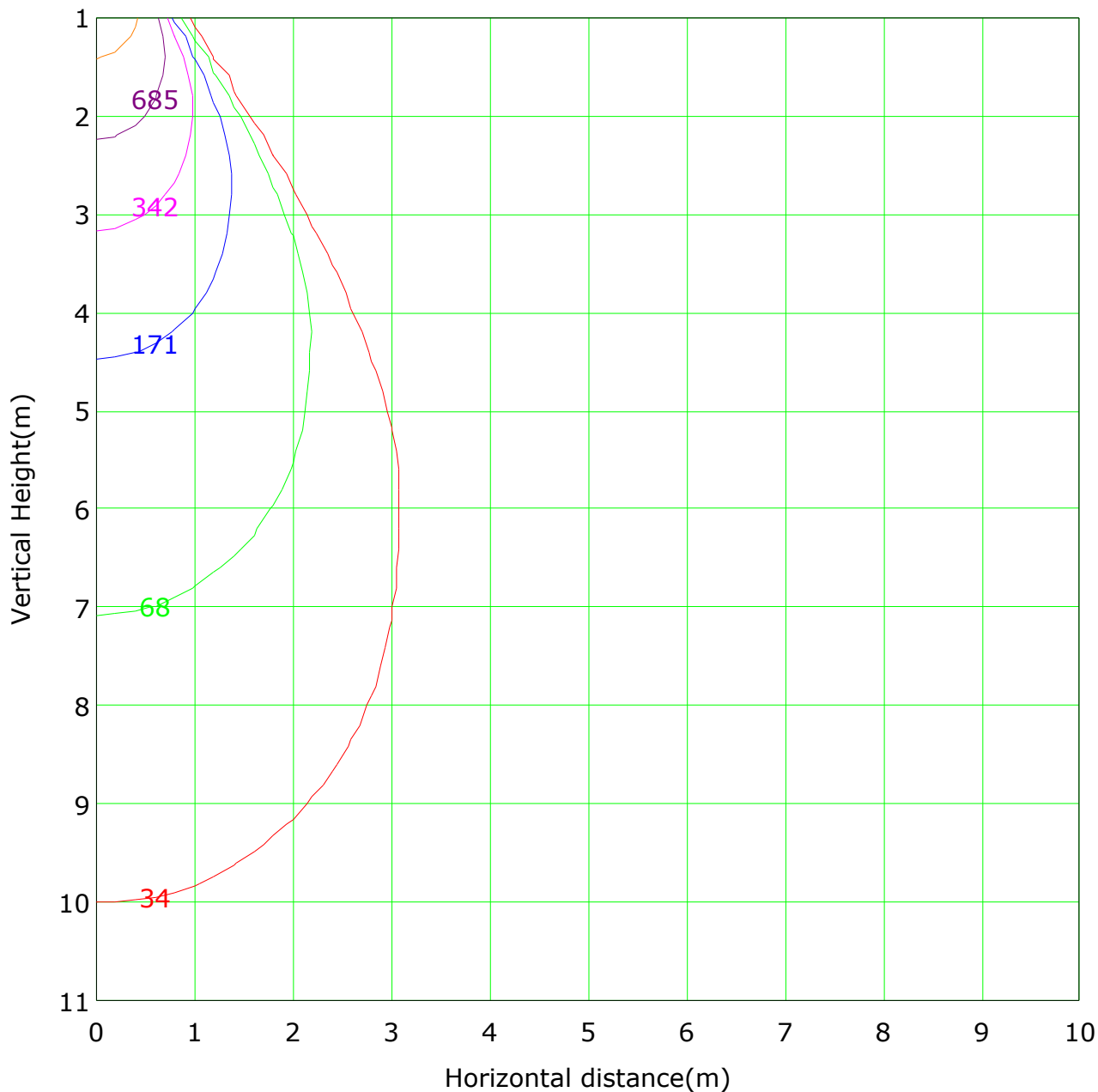
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



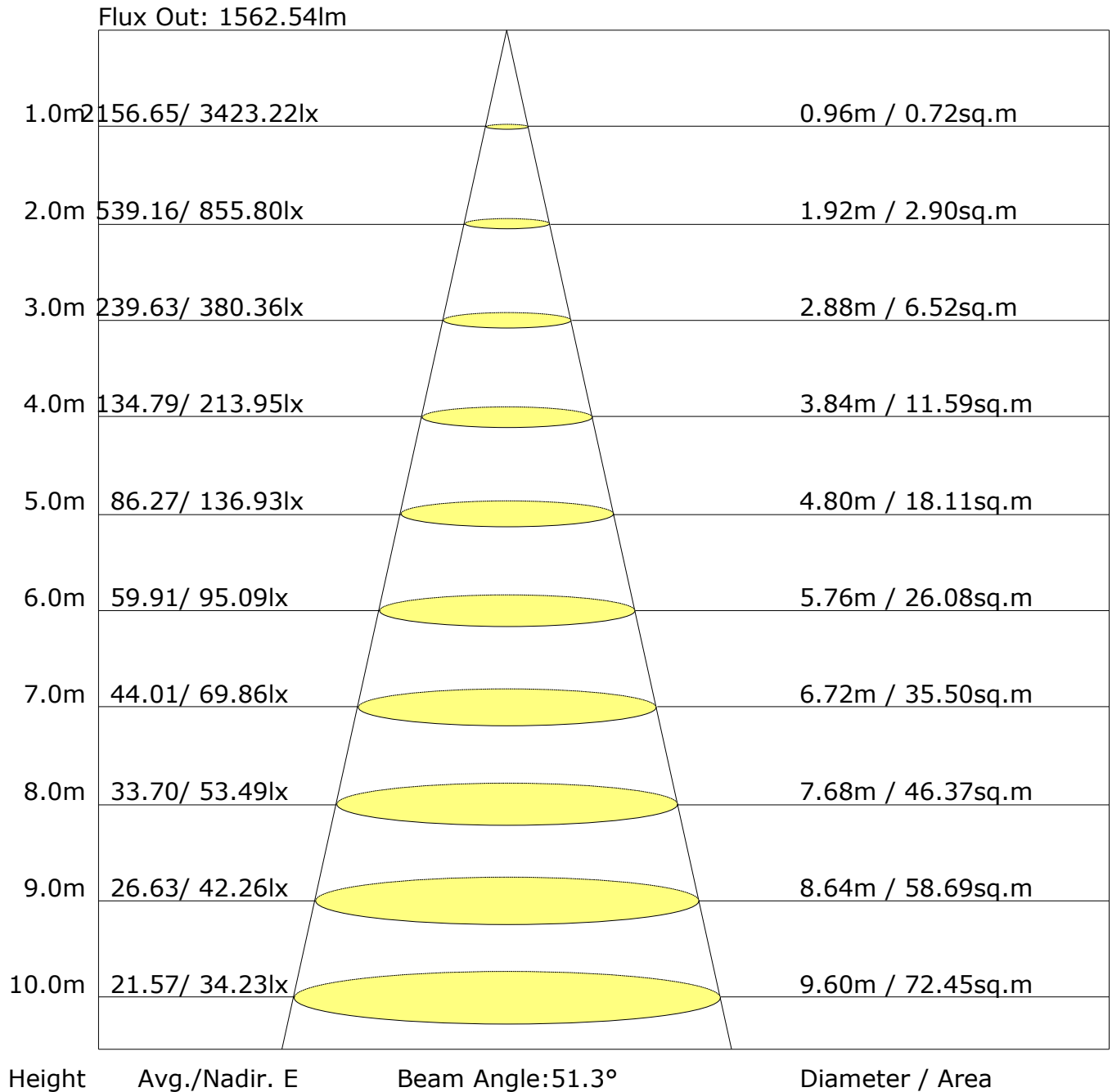
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 3423.2 lx
— (1%): 34.2 lx — (2%): 68.5 lx
— (5%): 171.2 lx — (10%): 342.3 lx
— (20%): 684.6 lx — (50%): 1711.6 lx
— (100%): 3423.2 lx

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

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1800B
Distance: 7.704 m
Humidity:
Inspector:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 7.704 m
Humidity:
Inspector:

The Average Illuminance Effective Figure



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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 7.704 m
Humidity:
Inspector:

UGR Table

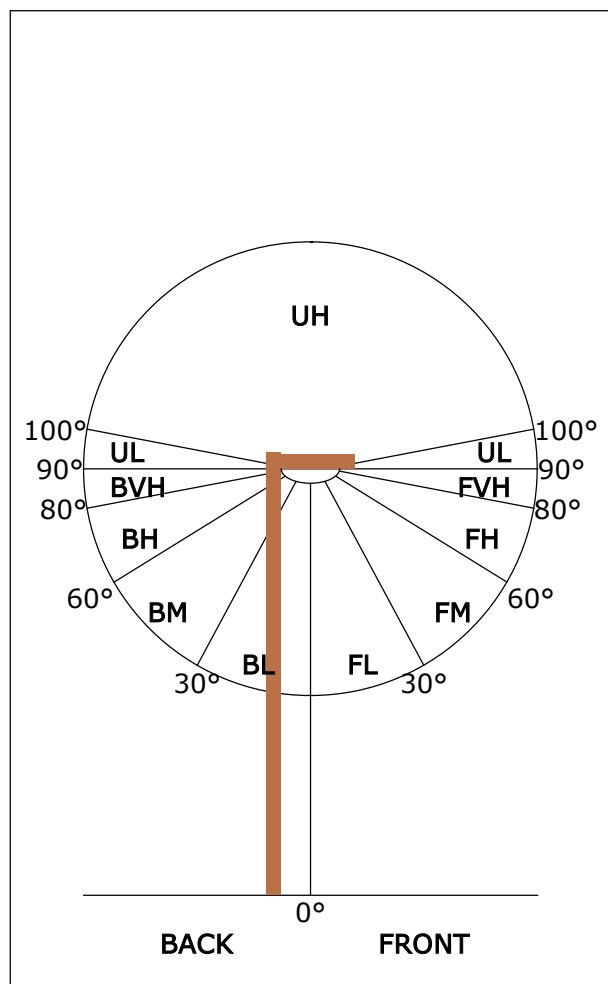
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	20.5	21.3	20.8	21.5	21.7	20.6	21.4	20.9	21.6	21.8
3H	20.3	21.0	20.6	21.3	21.6	20.4	21.1	20.7	21.4	21.7
4H	20.3	20.9	20.6	21.2	21.5	20.4	21.0	20.7	21.3	21.6
6H	20.2	20.8	20.5	21.1	21.4	20.3	20.9	20.6	21.2	21.5
8H	20.1	20.7	20.5	21.0	21.4	20.2	20.8	20.6	21.1	21.5
12H	20.1	20.7	20.5	21.0	21.3	20.2	20.8	20.6	21.1	21.4
X=4H Y=2H	20.3	20.9	20.6	21.2	21.5	20.4	21.0	20.7	21.3	21.6
3H	20.1	20.7	20.5	21.0	21.3	20.2	20.8	20.6	21.1	21.4
4H	20.0	20.5	20.4	20.9	21.3	20.1	20.6	20.5	21.0	21.3
6H	19.9	20.4	20.4	20.8	21.2	20.0	20.5	20.5	20.9	21.3
8H	19.9	20.3	20.3	20.7	21.1	20.0	20.4	20.4	20.8	21.2
12H	19.9	20.2	20.3	20.6	21.1	19.9	20.3	20.4	20.7	21.2
X=8H Y=4H	19.9	20.3	20.3	20.7	21.1	20.0	20.4	20.4	20.8	21.2
6H	19.8	20.1	20.3	20.6	21.0	19.9	20.2	20.4	20.7	21.1
8H	19.8	20.0	20.2	20.5	21.0	19.9	20.1	20.3	20.6	21.1
12H	19.7	20.0	20.2	20.4	21.0	19.8	20.1	20.3	20.5	21.1
X=12H Y=4H	19.9	20.2	20.3	20.6	21.1	19.9	20.3	20.4	20.7	21.2
6H	19.8	20.0	20.2	20.5	21.0	19.9	20.1	20.3	20.6	21.1
8H	19.7	20.0	20.2	20.4	21.0	19.8	20.1	20.3	20.5	21.1
Variations with the observer position at spacings:										
S=1.0H	+6.4/-14.3					+6.4/-13.8				
S=1.5H	+9.2/-19.6					+9.2/-19.1				
S=2.0H	+11.2/-26.1					+11.2/-25.5				

Calculate in accordance with CIE Pub.117. The table is revised with 2833lm ($8\log(F/F_0) = 3.6$).

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 7.704 m
 Humidity:
 Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	1166	41.2
FL (0°-30°)	957	33.8
FM (30°-60°)	208	7.3
FH (60°-80°)	2	0.1
FVH (80°-90°)	0	0.0
BACK LIGHT	1127	39.8
BL (0°-30°)	934	33.0
BM (30°-60°)	191	6.7
BH (60°-80°)	2	0.1
BVH (80°-90°)	0	0.0
UP LIGHT	18	0.6
UL (90°-100°)	0	0.0
UH (100°-180°)	18	0.6
TRAPPED LIGHT	522	18.4

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B2 U2 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B2 U2 G0

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 7.704 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	3423.2	3418.8	3414.2	3410.6	3409.3	3407.9	3423.2	3418.8	3414.2	3410.6
G1.0	3416.6	3422.3	3425.8	3427.1	3426.0	3421.6	3427.9	3413.7	3401.1	3394.4
G2.0	3412.2	3428.2	3434.4	3438.1	3435.5	3427.4	3424.6	3405.9	3382.1	3373.8
G3.0	3407.7	3422.8	3431.1	3437.6	3432.5	3427.8	3416.5	3386.9	3362.7	3346.7
G4.0	3390.9	3409.5	3415.5	3422.9	3418.3	3407.1	3392.4	3363.6	3335.9	3315.6
G5.0	3367.9	3383.9	3388.6	3395.5	3390.7	3375.0	3360.5	3327.7	3300.7	3281.2
G6.0	3334.3	3350.9	3355.9	3360.3	3350.3	3336.6	3318.5	3288.5	3258.9	3241.9
G7.0	3290.0	3299.2	3307.3	3313.0	3308.4	3292.2	3264.1	3242.4	3214.5	3196.8
G8.0	3243.3	3249.6	3255.4	3258.8	3259.2	3238.6	3213.0	3195.4	3172.9	3152.1
G9.0	3194.1	3196.2	3201.0	3209.9	3208.7	3189.4	3162.3	3143.7	3121.0	3103.5
G10.0	3141.5	3140.4	3144.9	3149.8	3155.0	3138.6	3105.8	3086.0	3073.6	3048.6
G11.0	3082.2	3080.1	3083.9	3084.1	3093.3	3076.6	3056.1	3030.8	3018.4	2994.6
G12.0	3023.0	3017.9	3023.4	3025.4	3025.8	3016.3	2996.5	2972.9	2957.4	2941.8
G13.0	2956.7	2958.7	2961.1	2960.3	2957.4	2952.3	2929.8	2909.1	2892.1	2880.6
G14.0	2881.7	2882.2	2878.0	2887.2	2877.7	2878.2	2851.2	2834.7	2821.9	2814.6
G15.0	2807.6	2807.4	2800.1	2810.8	2791.4	2798.2	2784.6	2753.0	2748.8	2731.7
G16.0	2727.7	2721.2	2722.2	2721.7	2710.9	2713.5	2697.3	2675.1	2657.8	2650.3
G17.0	2638.4	2634.9	2636.7	2636.1	2617.7	2625.9	2618.4	2585.4	2576.5	2567.2
G18.0	2552.3	2543.9	2546.3	2549.5	2526.2	2537.0	2524.7	2492.9	2475.7	2477.4
G19.0	2456.4	2453.1	2451.5	2457.9	2426.8	2438.5	2422.5	2387.4	2376.0	2377.5
G20.0	2356.6	2353.6	2353.7	2358.9	2326.9	2340.6	2322.6	2289.0	2272.8	2278.1
G21.0	2249.8	2255.0	2256.9	2256.0	2219.9	2235.9	2213.8	2184.4	2168.2	2171.7
G22.0	2138.6	2147.8	2151.1	2151.2	2112.0	2123.5	2103.2	2073.7	2057.8	2061.0
G23.0	2027.6	2036.0	2046.2	2040.2	2002.2	2007.3	1997.7	1962.9	1945.9	1949.8
G24.0	1911.0	1922.1	1934.6	1930.3	1894.9	1897.8	1890.5	1857.0	1840.7	1843.1
G25.0	1793.0	1811.8	1829.0	1822.8	1794.3	1793.4	1777.5	1750.3	1733.0	1735.1
G26.0	1685.3	1706.8	1721.6	1714.2	1688.8	1687.9	1665.9	1646.2	1628.6	1632.6
G27.0	1581.3	1598.2	1613.0	1606.6	1587.5	1584.8	1559.2	1543.3	1528.7	1531.3
G28.0	1477.0	1494.2	1503.5	1500.2	1485.8	1480.6	1451.4	1442.5	1430.3	1427.0
G29.0	1369.2	1388.6	1400.6	1398.7	1386.2	1382.5	1351.9	1343.9	1325.6	1317.7
G30.0	1240.5	1261.9	1277.9	1288.9	1283.4	1279.0	1238.8	1215.1	1200.9	1190.8
G31.0	1098.5	1118.8	1147.2	1150.7	1155.3	1147.4	1102.4	1075.3	1069.0	1051.8
G32.0	957.0	978.0	1006.1	1011.6	1020.9	1012.9	957.8	934.1	917.0	910.4
G33.0	801.0	837.1	852.7	871.8	867.3	872.1	809.8	784.5	774.2	763.6
G34.0	660.6	681.2	711.4	722.0	726.9	722.9	666.3	640.1	628.5	618.6
G35.0	520.6	545.3	564.3	581.8	582.2	578.8	525.9	499.5	487.8	484.2
G36.0	391.9	412.3	433.4	446.5	449.4	446.5	392.9	376.8	364.1	366.6

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 7.704 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	279.9	299.2	314.3	326.5	326.3	326.7	279.0	265.4	256.8	257.2
G38.0	189.0	200.0	214.5	221.2	222.1	220.5	185.7	174.6	172.8	167.9
G39.0	130.0	133.5	139.4	143.5	141.6	143.6	123.9	120.8	121.0	120.3
G40.0	107.9	107.0	104.7	103.0	102.6	104.2	100.4	101.4	102.2	102.7
G41.0	92.0	92.6	89.5	87.4	87.4	89.2	87.2	88.7	87.9	88.4
G42.0	78.2	78.9	76.9	74.6	74.3	75.6	72.2	73.4	73.8	75.8
G43.0	63.4	63.4	61.5	59.2	57.7	58.2	56.9	58.9	60.7	62.4
G44.0	53.8	53.1	51.3	50.0	49.8	50.5	50.0	52.0	53.5	54.8
G45.0	47.1	46.6	45.3	44.0	44.0	44.7	44.2	46.1	47.4	48.6
G46.0	41.2	40.8	39.9	39.2	39.2	39.8	39.3	40.8	41.7	43.2
G47.0	36.2	36.0	35.3	34.8	34.7	35.2	35.0	36.2	36.9	38.4
G48.0	32.0	31.8	31.1	31.0	31.0	31.3	31.1	31.9	32.5	33.9
G49.0	28.4	28.2	27.7	27.7	27.7	27.9	27.8	28.2	28.6	29.8
G50.0	25.3	24.7	24.6	24.6	24.7	24.8	24.6	24.8	25.2	26.3
G51.0	22.6	22.1	21.9	22.0	22.0	22.2	21.9	21.9	22.2	23.2
G52.0	20.2	19.7	19.5	19.7	19.8	19.9	19.4	19.5	19.8	20.5
G53.0	18.0	17.6	17.3	17.5	17.5	17.8	17.4	17.4	17.7	18.1
G54.0	16.0	15.5	15.4	15.5	15.7	15.9	15.4	15.4	15.7	16.1
G55.0	14.3	13.8	13.6	13.8	13.9	14.3	13.8	13.6	13.9	14.4
G56.0	12.7	12.1	12.0	12.1	12.3	12.6	12.1	11.9	12.2	12.7
G57.0	11.1	10.7	10.6	10.8	10.9	11.1	10.6	10.6	10.7	11.2
G58.0	9.7	9.4	9.3	9.4	9.5	9.8	9.4	9.0	9.3	9.7
G59.0	8.5	8.1	8.0	8.1	8.3	8.5	8.1	7.9	8.0	8.5
G60.0	7.3	7.1	6.8	7.0	7.0	7.3	6.9	6.7	6.8	7.3
G61.0	6.2	5.9	5.7	5.8	6.1	6.3	5.8	5.7	5.7	6.2
G62.0	5.2	5.0	4.8	4.8	5.0	5.2	4.8	4.6	4.6	5.1
G63.0	4.1	4.1	3.8	3.9	4.0	4.2	3.9	3.6	3.6	4.1
G64.0	3.2	3.2	3.1	3.0	3.2	3.4	3.1	3.0	2.9	3.3
G65.0	2.5	2.6	2.5	2.5	2.5	2.8	2.5	2.4	2.3	2.6
G66.0	2.0	2.1	1.9	2.0	2.0	2.3	2.0	1.9	1.8	2.1
G67.0	1.6	1.7	1.6	1.6	1.6	1.8	1.5	1.4	1.4	1.6
G68.0	1.2	1.3	1.3	1.3	1.3	1.4	1.1	1.0	1.0	1.2
G69.0	0.9	0.9	1.1	1.1	1.0	1.1	0.7	0.6	0.7	0.8
G70.0	0.4	0.4	0.5	0.6	0.4	0.4	0.3	0.3	0.3	0.3
G71.0	0.4	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3
G72.0	0.3	0.3	0.4	0.3	0.3	0.4	0.3	0.3	0.3	0.3
G73.0	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.2	0.3	0.3

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 7.704 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	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.2	0.3	0.3
G75.0	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.3
G76.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.3
G77.0	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3
G78.0	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.3
G79.0	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.3
G80.0	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.3
G81.0	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.2
G82.0	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.3
G83.0	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
G84.0	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.2
G85.0	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
G86.0	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.3
G87.0	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
G88.0	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.2
G89.0	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
G90.0	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
G91.0	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
G92.0	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3
G93.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2
G94.0	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3
G95.0	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3
G96.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3
G97.0	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3
G98.0	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3
G99.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
G100.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3
G101.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3
G102.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3
G103.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.3
G104.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
G105.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
G106.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
G107.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
G108.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
G109.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
G110.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 7.704 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	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4
G112.0	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.4
G113.0	0.3	0.3	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4
G114.0	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.5
G115.0	0.4	0.4	0.5	0.4	0.4	0.4	0.6	0.5	0.6	0.6
G116.0	0.5	0.5	0.5	0.5	0.4	0.5	0.7	0.6	0.7	0.7
G117.0	0.5	0.5	0.5	0.6	0.5	0.6	0.8	0.7	0.8	0.8
G118.0	0.6	0.6	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.9
G119.0	0.7	0.7	0.7	0.7	0.7	0.7	0.9	0.9	0.9	1.0
G120.0	0.8	0.8	0.8	0.8	0.8	0.8	1.1	1.1	1.1	1.2
G121.0	0.8	0.8	0.8	0.8	0.8	0.8	1.3	1.2	1.3	1.3
G122.0	1.0	0.9	1.0	1.0	1.0	1.0	1.4	1.4	1.4	1.4
G123.0	1.1	1.1	1.1	1.1	1.1	1.1	1.5	1.5	1.5	1.6
G124.0	1.3	1.2	1.3	1.3	1.3	1.3	1.7	1.7	1.7	1.8
G125.0	1.4	1.4	1.4	1.4	1.4	1.4	1.9	1.9	1.9	1.9
G126.0	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.1	2.1
G127.0	1.7	1.7	1.7	1.7	1.7	1.7	2.3	2.2	2.3	2.3
G128.0	1.9	1.9	1.9	1.9	1.9	1.9	2.5	2.5	2.5	2.5
G129.0	2.0	2.0	2.1	2.0	2.0	2.0	2.7	2.7	2.7	2.8
G130.0	2.2	2.3	2.2	2.3	2.2	2.3	2.9	2.9	3.0	3.0
G131.0	2.5	2.5	2.5	2.5	2.4	2.5	3.1	3.1	3.1	3.2
G132.0	2.7	2.6	2.6	2.6	2.6	2.6	3.4	3.4	3.4	3.5
G133.0	2.9	2.9	2.9	2.8	2.9	2.9	3.6	3.5	3.6	3.7
G134.0	3.1	3.0	3.0	3.0	3.0	3.0	3.9	3.9	3.9	4.0
G135.0	3.3	3.3	3.3	3.3	3.3	3.3	4.2	4.1	4.1	4.2
G136.0	3.5	3.5	3.5	3.5	3.5	3.5	4.5	4.5	4.5	4.5
G137.0	3.8	3.8	3.8	3.8	3.8	3.8	4.7	4.7	4.7	4.8
G138.0	4.1	4.1	4.1	4.1	4.1	4.1	5.0	5.0	5.1	5.1
G139.0	4.3	4.3	4.3	4.3	4.3	4.3	5.3	5.3	5.3	5.3
G140.0	4.6	4.6	4.6	4.6	4.6	4.6	5.6	5.6	5.7	5.7
G141.0	4.9	4.9	4.9	4.8	4.9	4.9	5.9	5.9	5.9	5.9
G142.0	5.2	5.2	5.2	5.2	5.2	5.2	6.2	6.2	6.2	6.3
G143.0	5.5	5.4	5.4	5.4	5.4	5.4	6.5	6.5	6.5	6.5
G144.0	5.7	5.7	5.7	5.7	5.7	5.7	6.8	6.8	6.8	6.8
G145.0	6.0	6.0	6.0	6.0	6.0	6.0	7.1	7.1	7.1	7.1
G146.0	6.3	6.3	6.3	6.3	6.3	6.3	7.3	7.3	7.3	7.4
G147.0	6.6	6.6	6.5	6.5	6.6	6.6	7.7	7.7	7.7	7.7

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 7.704 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	6.8	6.8	6.8	6.8	6.8	6.8	8.0	7.9	8.0	7.9
G149.0	7.1	7.1	7.1	7.1	7.1	7.1	8.3	8.2	8.3	8.3
G150.0	7.3	7.4	7.4	7.3	7.4	7.4	8.5	8.4	8.5	8.6
G151.0	7.7	7.7	7.7	7.6	7.7	7.7	8.8	8.8	8.8	8.9
G152.0	7.9	7.9	7.9	7.9	7.9	7.9	9.1	9.0	9.0	9.1
G153.0	8.2	8.2	8.2	8.2	8.3	8.2	9.4	9.3	9.3	9.4
G154.0	8.4	8.4	8.4	8.4	8.5	8.4	9.6	9.5	9.5	9.6
G155.0	8.7	8.7	8.8	8.7	8.8	8.8	9.9	9.8	9.8	9.9
G156.0	8.9	8.9	8.9	8.9	9.0	8.9	10.1	10.0	10.0	10.0
G157.0	9.2	9.2	9.2	9.2	9.2	9.2	10.4	10.3	10.3	10.3
G158.0	9.4	9.4	9.4	9.4	9.4	9.4	10.6	10.5	10.5	10.6
G159.0	9.6	9.6	9.6	9.6	9.7	9.7	10.8	10.7	10.7	10.7
G160.0	9.9	9.9	9.9	9.9	10.0	10.0	11.0	10.9	10.9	10.9
G161.0	10.0	10.1	10.1	10.1	10.1	10.1	11.2	11.1	11.1	11.1
G162.0	10.3	10.3	10.3	10.3	10.4	10.4	11.4	11.3	11.3	11.3
G163.0	10.5	10.6	10.6	10.6	10.6	10.6	11.6	11.4	11.5	11.6
G164.0	10.7	10.7	10.8	10.8	10.8	10.8	11.7	11.6	11.7	11.7
G165.0	11.0	11.0	11.0	11.0	11.0	11.1	12.0	11.9	11.9	11.9
G166.0	11.2	11.2	11.2	11.2	11.2	11.2	12.1	12.1	12.1	12.1
G167.0	11.4	11.5	11.5	11.5	11.5	11.5	12.3	12.2	12.3	12.3
G168.0	11.6	11.6	11.6	11.6	11.6	11.6	12.5	12.5	12.5	12.5
G169.0	11.9	11.9	11.9	11.9	11.9	11.9	12.7	12.7	12.7	12.7
G170.0	12.1	12.1	12.1	12.1	12.1	12.1	12.9	12.8	12.8	12.9
G171.0	12.3	12.4	12.4	12.4	12.4	12.4	13.1	13.0	13.1	13.1
G172.0	12.6	12.6	12.6	12.6	12.7	12.7	13.3	13.2	13.3	13.3
G173.0	12.8	12.8	12.8	12.8	12.8	12.8	13.4	13.3	13.3	13.4
G174.0	13.0	13.0	13.1	13.0	13.1	13.0	13.5	13.5	13.5	13.5
G175.0	13.2	13.3	13.3	13.2	13.2	13.3	13.7	13.6	13.6	13.7
G176.0	13.3	13.3	13.4	13.3	13.4	13.4	13.7	13.7	13.7	13.7
G177.0	13.5	13.5	13.6	13.5	13.5	13.5	13.8	13.8	13.8	13.8
G178.0	13.6	13.7	13.6	13.6	13.6	13.7	13.8	13.8	13.8	13.8
G179.0	13.8	13.8	13.8	13.7	13.8	13.8	13.8	13.8	13.8	13.8
G180.0	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 7.704 m

Humidity:

Inspector:

Candlepower Table (Continue 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	3409.3	3407.9	3423.2							
G1.0	3392.8	3395.4	3416.6							
G2.0	3371.4	3381.0	3412.2							
G3.0	3346.9	3367.4	3407.7							
G4.0	3320.3	3344.3	3390.9							
G5.0	3288.9	3316.1	3367.9							
G6.0	3247.3	3278.5	3334.3							
G7.0	3204.7	3238.2	3290.0							
G8.0	3160.9	3199.2	3243.3							
G9.0	3114.3	3149.5	3194.1							
G10.0	3059.8	3093.2	3141.5							
G11.0	3010.1	3034.2	3082.2							
G12.0	2956.1	2972.5	3023.0							
G13.0	2886.9	2906.0	2956.7							
G14.0	2809.8	2830.9	2881.7							
G15.0	2738.4	2752.2	2807.6							
G16.0	2656.8	2668.8	2727.7							
G17.0	2575.7	2585.9	2638.4							
G18.0	2485.0	2494.5	2552.3							
G19.0	2393.1	2396.1	2456.4							
G20.0	2296.2	2294.9	2356.6							
G21.0	2196.4	2194.1	2249.8							
G22.0	2087.6	2084.3	2138.6							
G23.0	1972.6	1969.6	2027.6							
G24.0	1855.1	1857.7	1911.0							
G25.0	1747.8	1740.7	1793.0							
G26.0	1643.4	1637.9	1685.3							
G27.0	1539.2	1535.9	1581.3							
G28.0	1435.2	1436.7	1477.0							
G29.0	1323.3	1321.4	1369.2							
G30.0	1188.9	1192.0	1240.5							
G31.0	1053.6	1047.9	1098.5							
G32.0	903.5	906.9	957.0							
G33.0	760.2	761.3	801.0							
G34.0	622.4	615.9	660.6							
G35.0	485.4	481.5	520.6							
G36.0	361.7	360.0	391.9							

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 7.704 m
 Humidity:
 Inspector:

Candlepower Table (Continue 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	255.7	255.6	279.9							
G38.0	171.7	170.1	189.0							
G39.0	123.0	122.5	130.0							
G40.0	105.3	104.6	107.9							
G41.0	90.9	89.8	92.0							
G42.0	77.6	76.8	78.2							
G43.0	63.1	63.2	63.4							
G44.0	55.5	54.6	53.8							
G45.0	49.2	48.0	47.1							
G46.0	43.4	42.2	41.2							
G47.0	38.6	37.0	36.2							
G48.0	33.9	32.8	32.0							
G49.0	30.0	28.8	28.4							
G50.0	26.7	25.5	25.3							
G51.0	23.5	22.8	22.6							
G52.0	20.8	20.3	20.2							
G53.0	18.5	18.1	18.0							
G54.0	16.5	16.1	16.0							
G55.0	14.6	14.4	14.3							
G56.0	12.9	12.7	12.7							
G57.0	11.4	11.3	11.1							
G58.0	10.0	9.8	9.7							
G59.0	8.8	8.6	8.5							
G60.0	7.5	7.3	7.3							
G61.0	6.5	6.3	6.2							
G62.0	5.3	5.2	5.2							
G63.0	4.3	4.2	4.1							
G64.0	3.5	3.4	3.2							
G65.0	2.9	2.6	2.5							
G66.0	2.3	2.1	2.0							
G67.0	1.7	1.7	1.6							
G68.0	1.3	1.3	1.2							
G69.0	0.8	0.9	0.9							
G70.0	0.3	0.3	0.4							
G71.0	0.3	0.3	0.4							
G72.0	0.3	0.3	0.3							
G73.0	0.3	0.3	0.3							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 7.704 m

Humidity:

Inspector:

Candlepower Table (Continue 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	0.3	0.3	0.3							
G75.0	0.3	0.3	0.3							
G76.0	0.3	0.3	0.3							
G77.0	0.3	0.3	0.3							
G78.0	0.3	0.3	0.3							
G79.0	0.2	0.3	0.3							
G80.0	0.3	0.2	0.3							
G81.0	0.3	0.3	0.3							
G82.0	0.2	0.3	0.3							
G83.0	0.3	0.2	0.3							
G84.0	0.2	0.3	0.3							
G85.0	0.2	0.2	0.3							
G86.0	0.3	0.3	0.3							
G87.0	0.2	0.3	0.3							
G88.0	0.3	0.2	0.3							
G89.0	0.2	0.2	0.3							
G90.0	0.2	0.3	0.3							
G91.0	0.2	0.3	0.3							
G92.0	0.3	0.3	0.3							
G93.0	0.2	0.2	0.3							
G94.0	0.2	0.3	0.3							
G95.0	0.3	0.3	0.3							
G96.0	0.2	0.2	0.3							
G97.0	0.3	0.3	0.3							
G98.0	0.3	0.3	0.3							
G99.0	0.3	0.3	0.3							
G100.0	0.3	0.3	0.3							
G101.0	0.2	0.3	0.3							
G102.0	0.3	0.3	0.3							
G103.0	0.3	0.3	0.3							
G104.0	0.3	0.3	0.3							
G105.0	0.3	0.3	0.3							
G106.0	0.3	0.3	0.3							
G107.0	0.3	0.3	0.3							
G108.0	0.3	0.3	0.3							
G109.0	0.3	0.3	0.3							
G110.0	0.3	0.3	0.3							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 7.704 m

Humidity:

Inspector:

Candlepower Table (Continue 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	0.3	0.3	0.3							
G112.0	0.4	0.4	0.3							
G113.0	0.4	0.5	0.3							
G114.0	0.5	0.5	0.3							
G115.0	0.6	0.6	0.4							
G116.0	0.7	0.7	0.5							
G117.0	0.8	0.8	0.5							
G118.0	0.9	0.9	0.6							
G119.0	1.0	1.0	0.7							
G120.0	1.1	1.1	0.8							
G121.0	1.3	1.3	0.8							
G122.0	1.4	1.4	1.0							
G123.0	1.5	1.6	1.1							
G124.0	1.7	1.8	1.3							
G125.0	1.9	1.9	1.4							
G126.0	2.1	2.1	1.5							
G127.0	2.3	2.3	1.7							
G128.0	2.5	2.5	1.9							
G129.0	2.7	2.8	2.0							
G130.0	3.0	3.0	2.2							
G131.0	3.2	3.2	2.5							
G132.0	3.4	3.5	2.7							
G133.0	3.6	3.6	2.9							
G134.0	3.9	4.0	3.1							
G135.0	4.2	4.2	3.3							
G136.0	4.4	4.5	3.5							
G137.0	4.7	4.7	3.8							
G138.0	5.1	5.1	4.1							
G139.0	5.3	5.3	4.3							
G140.0	5.6	5.6	4.6							
G141.0	5.9	5.9	4.9							
G142.0	6.3	6.2	5.2							
G143.0	6.5	6.5	5.5							
G144.0	6.8	6.8	5.7							
G145.0	7.1	7.1	6.0							
G146.0	7.4	7.3	6.3							
G147.0	7.7	7.7	6.6							

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 7.704 m
 Humidity:
 Inspector:

Candlepower Table (Continue 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	7.9	7.9	6.8							
G149.0	8.3	8.2	7.1							
G150.0	8.5	8.4	7.3							
G151.0	8.8	8.7	7.7							
G152.0	9.0	9.0	7.9							
G153.0	9.4	9.3	8.2							
G154.0	9.6	9.5	8.4							
G155.0	9.9	9.8	8.7							
G156.0	10.1	10.0	8.9							
G157.0	10.3	10.2	9.2							
G158.0	10.6	10.5	9.4							
G159.0	10.7	10.6	9.6							
G160.0	10.9	10.9	9.9							
G161.0	11.1	11.1	10.0							
G162.0	11.3	11.3	10.3							
G163.0	11.6	11.5	10.5							
G164.0	11.6	11.7	10.7							
G165.0	11.9	11.9	11.0							
G166.0	12.1	12.1	11.2							
G167.0	12.3	12.3	11.4							
G168.0	12.5	12.5	11.6							
G169.0	12.7	12.7	11.9							
G170.0	12.9	12.9	12.1							
G171.0	13.1	13.1	12.3							
G172.0	13.3	13.3	12.6							
G173.0	13.4	13.4	12.8							
G174.0	13.5	13.5	13.0							
G175.0	13.6	13.6	13.2							
G176.0	13.8	13.7	13.3							
G177.0	13.8	13.8	13.5							
G178.0	13.8	13.8	13.6							
G179.0	13.8	13.8	13.8							
G180.0	13.8	13.8	13.8							

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 7.704 m
 Humidity:
 Inspector: