

Test Time: 2017-11-22 15:05

Luminaire Manufacturer:

Lamp Catalog: COB

Number of Lamps: 1

Luminous Length (mm): 63

Luminous Height (mm): 29

Current: 0.141 A

Power Factor: 0.951

CIE Class: Direct

Total Rated Lamp Lumens: 2832.6 lm

Efficiency: 83.40%

Upward Ratio: 1.07%

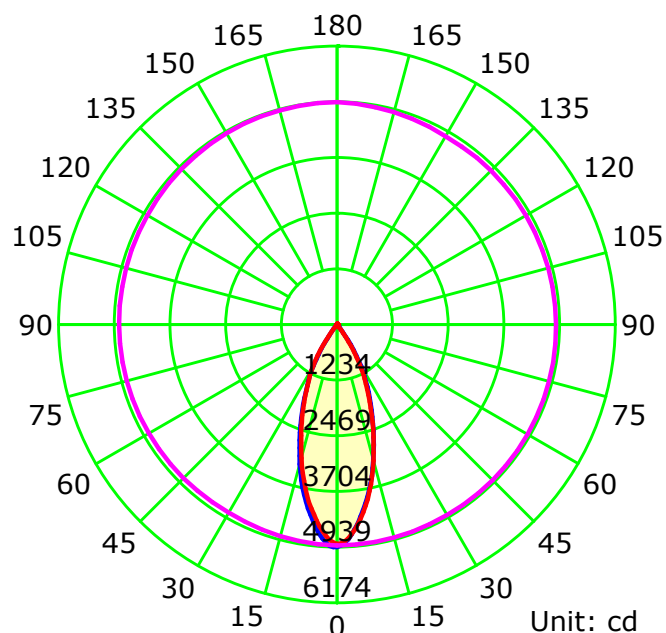
Central Intensity: 4936.17 cd

Pos of Max. Intensity: H180 V1

S/MH(C90/C270): 0.61

S/MH(C0/C180): 0.61

Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G1

Gamma Plane (°):0.0-180.0:1.0

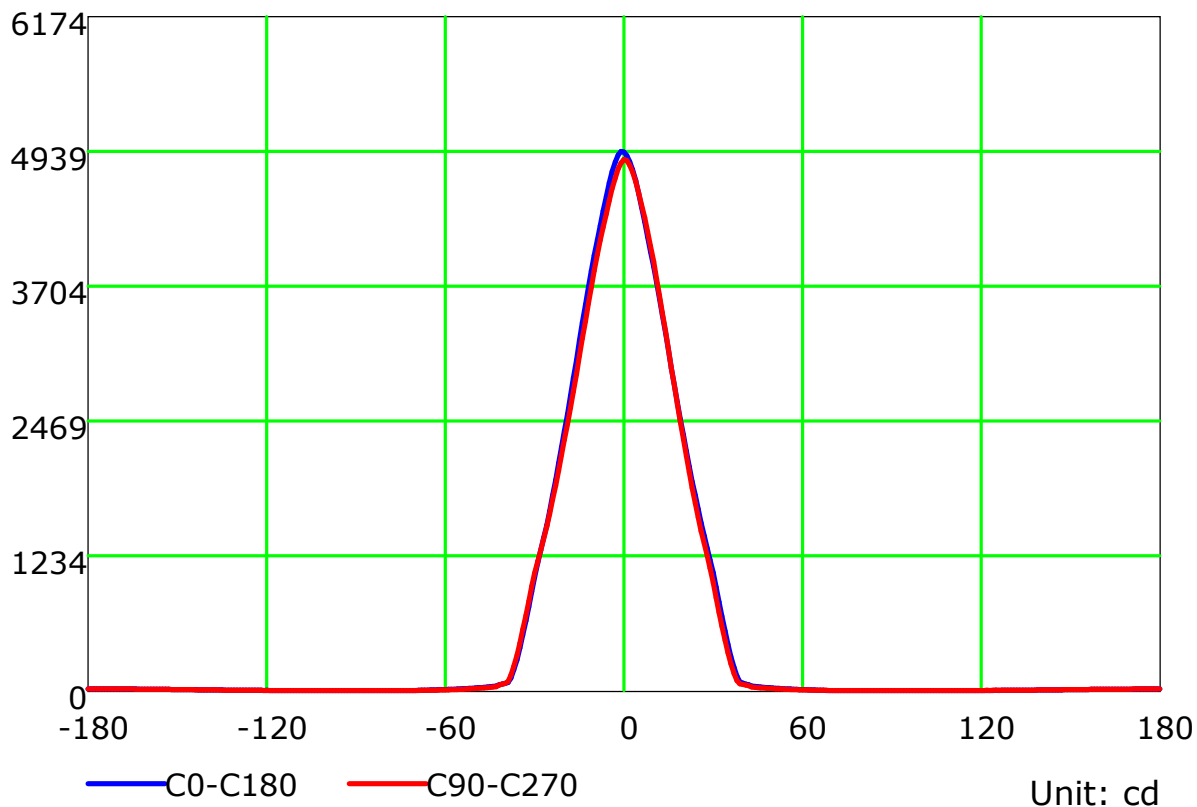
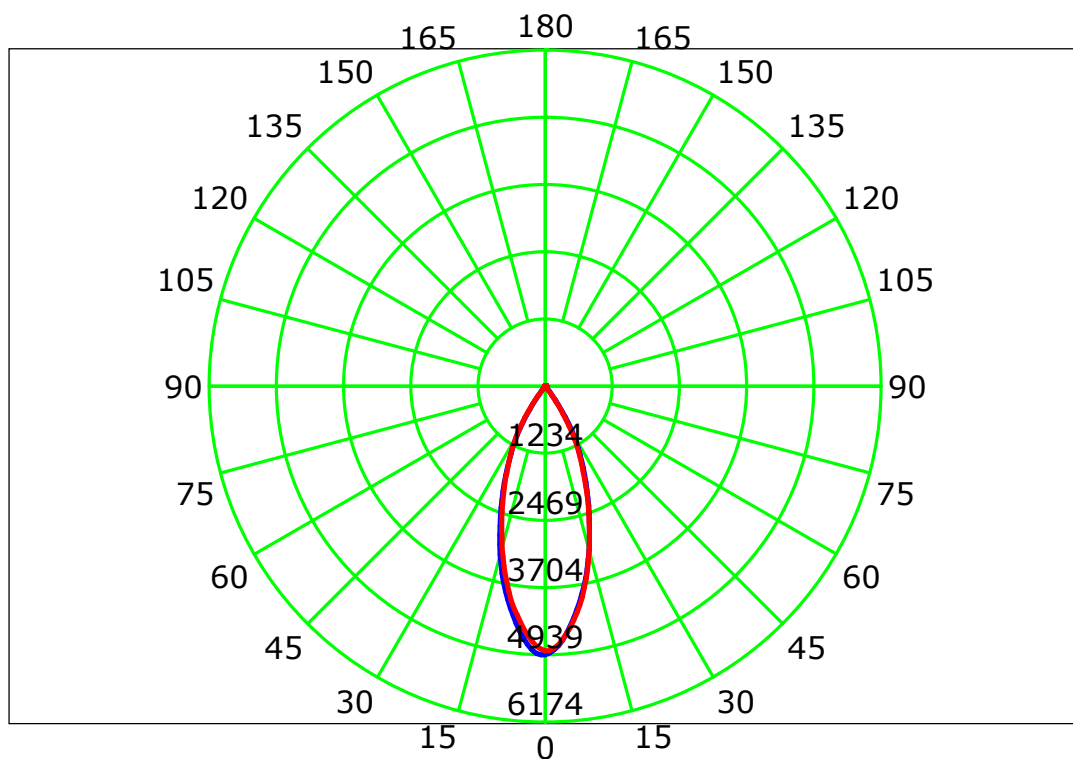
Test Device: GPM-1800B

Distance: 7.704 m

Humidity:

Inspector:

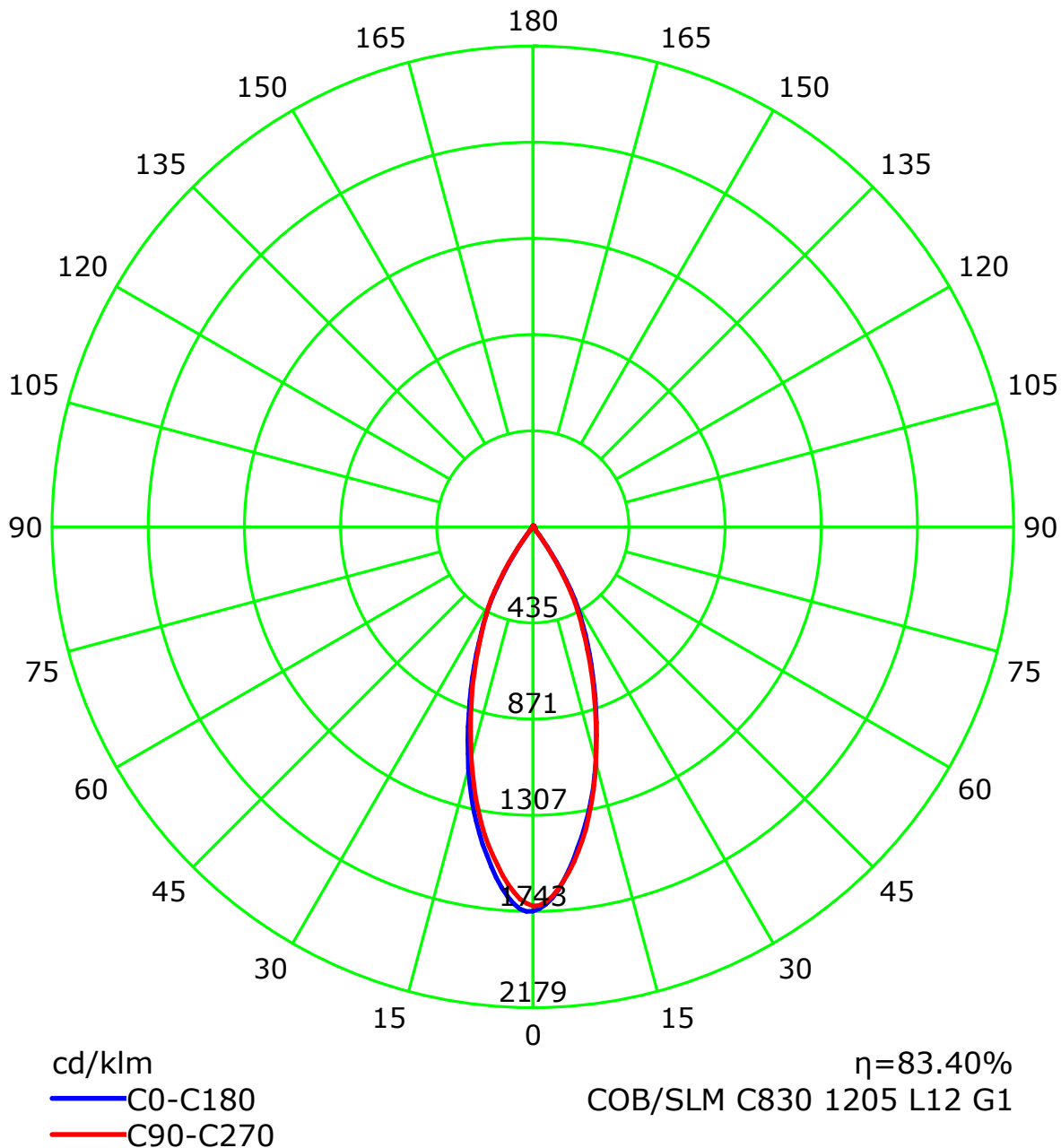
Luminous Intensity Distribution Curve



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)



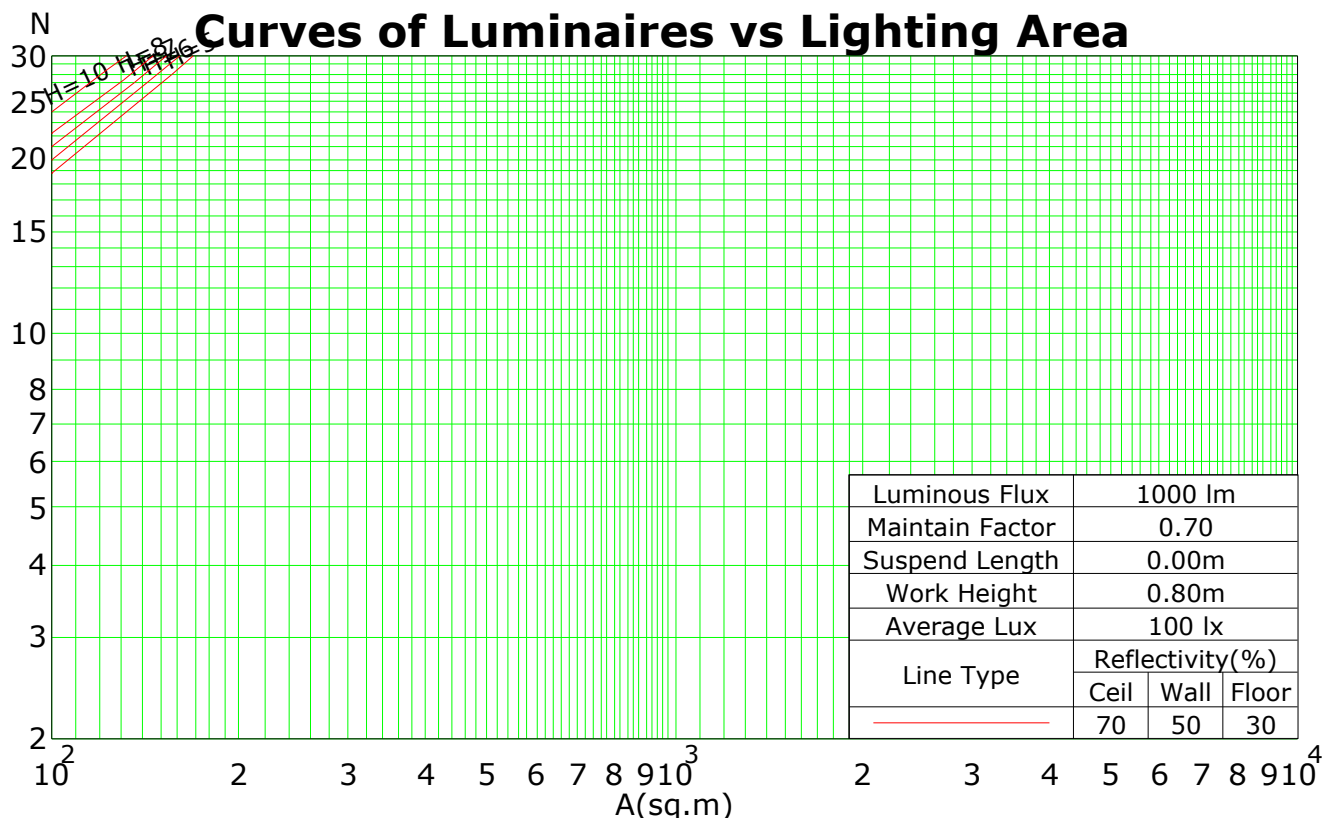
Coefficients Of Utilization - Zonal Cavity Method

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	99	99	99	99	97	97	97	97	92	92	92	88	88	88	84	84	84	82
1	95	93	91	89	93	91	89	88	87	86	85	84	83	82	81	80	80	78
2	91	87	84	82	89	86	83	81	83	81	79	80	79	77	78	77	75	74
3	87	82	79	76	85	81	78	75	79	76	74	77	74	73	75	73	71	70
4	83	78	74	71	82	77	73	70	75	72	69	73	71	68	72	69	68	66
5	80	74	70	66	79	73	69	66	72	68	65	70	67	65	69	66	64	63
6	77	70	66	63	75	70	65	62	68	65	62	67	64	62	66	63	61	60
7	74	67	62	59	72	66	62	59	65	62	59	64	61	58	63	60	58	57
8	71	64	59	56	70	63	59	56	62	59	56	61	58	56	61	58	55	54
9	68	61	57	54	67	60	56	54	60	56	53	59	56	53	58	55	53	52
10	65	58	54	51	65	58	54	51	57	54	51	57	53	51	56	53	51	50

Spacing Criteria (0-180): 0.61

Spacing Criteria (90-270): 0.61

Spacing Criteria (Diagonal): 0.65



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

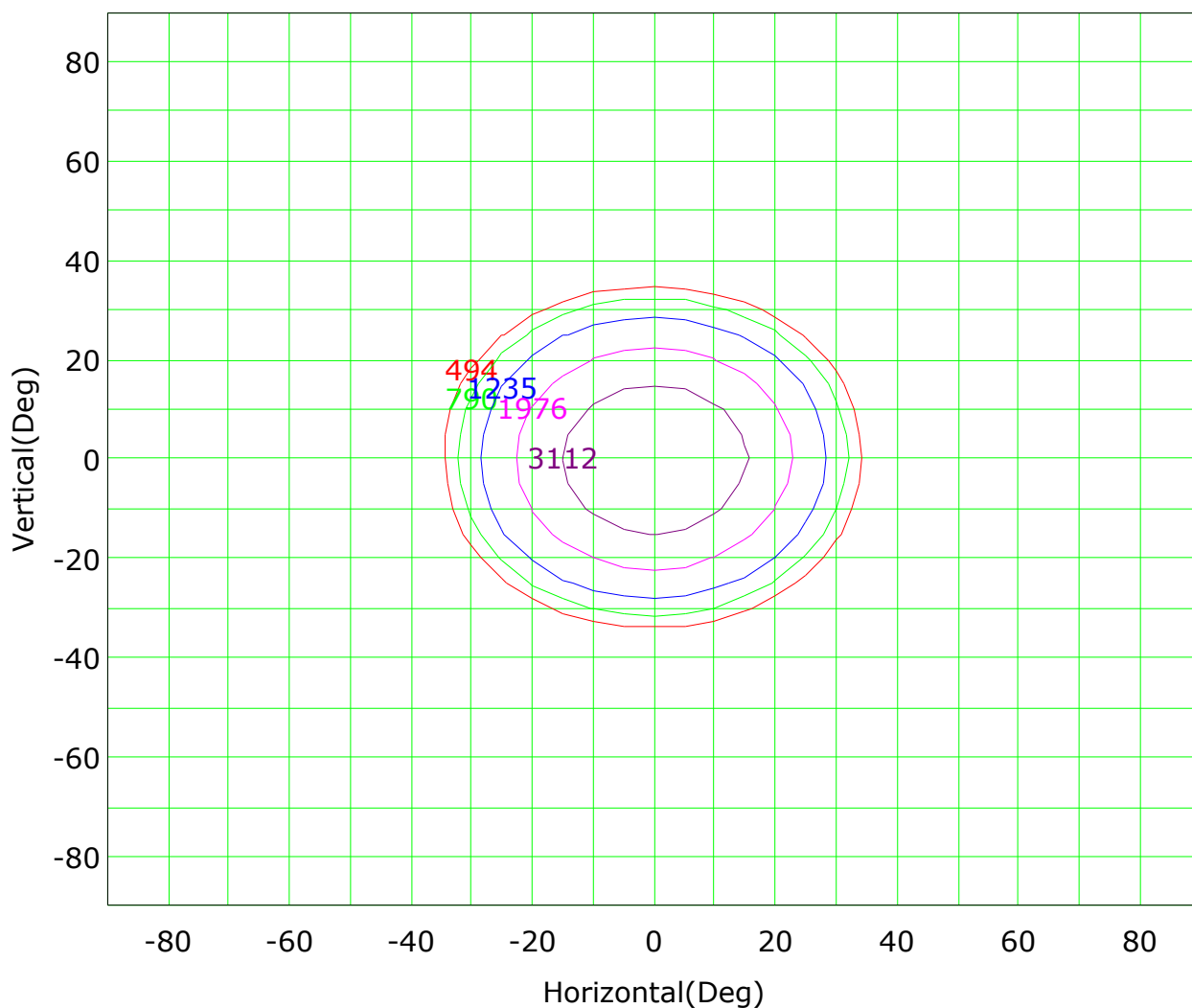
Test Device: GPM-1800B

Distance: 7.704 m

Humidity:

Inspector:

Isocandela (rectangle)



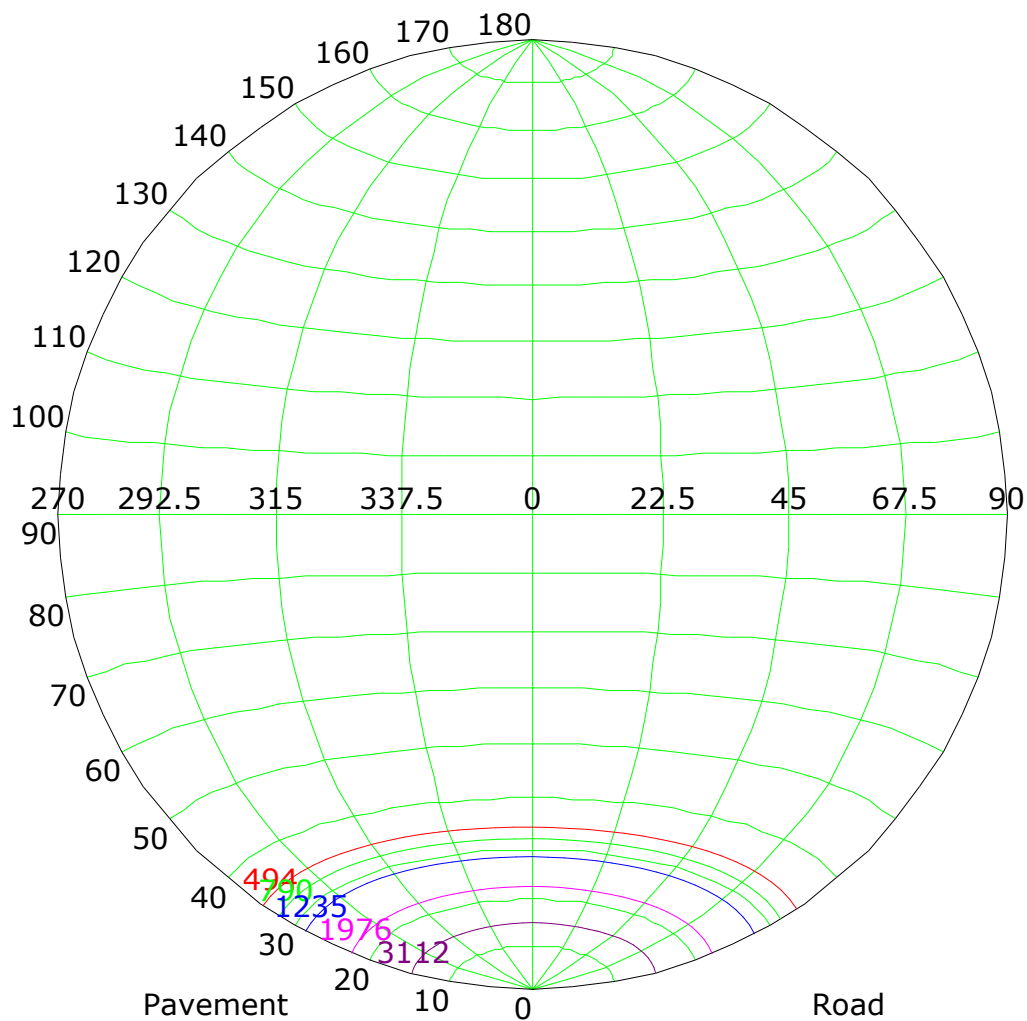
Imax (100%): 4940 cd

(10%): 494 cd	(16%): 790 cd
(25%): 1235 cd	(40%): 1976 cd
(63%): 3112 cd	(100%): 4940 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%): 4940 cd

(10%): 494 cd	(16%): 790 cd
(25%): 1235 cd	(40%): 1976 cd
(63%): 3112 cd	(100%): 4940 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

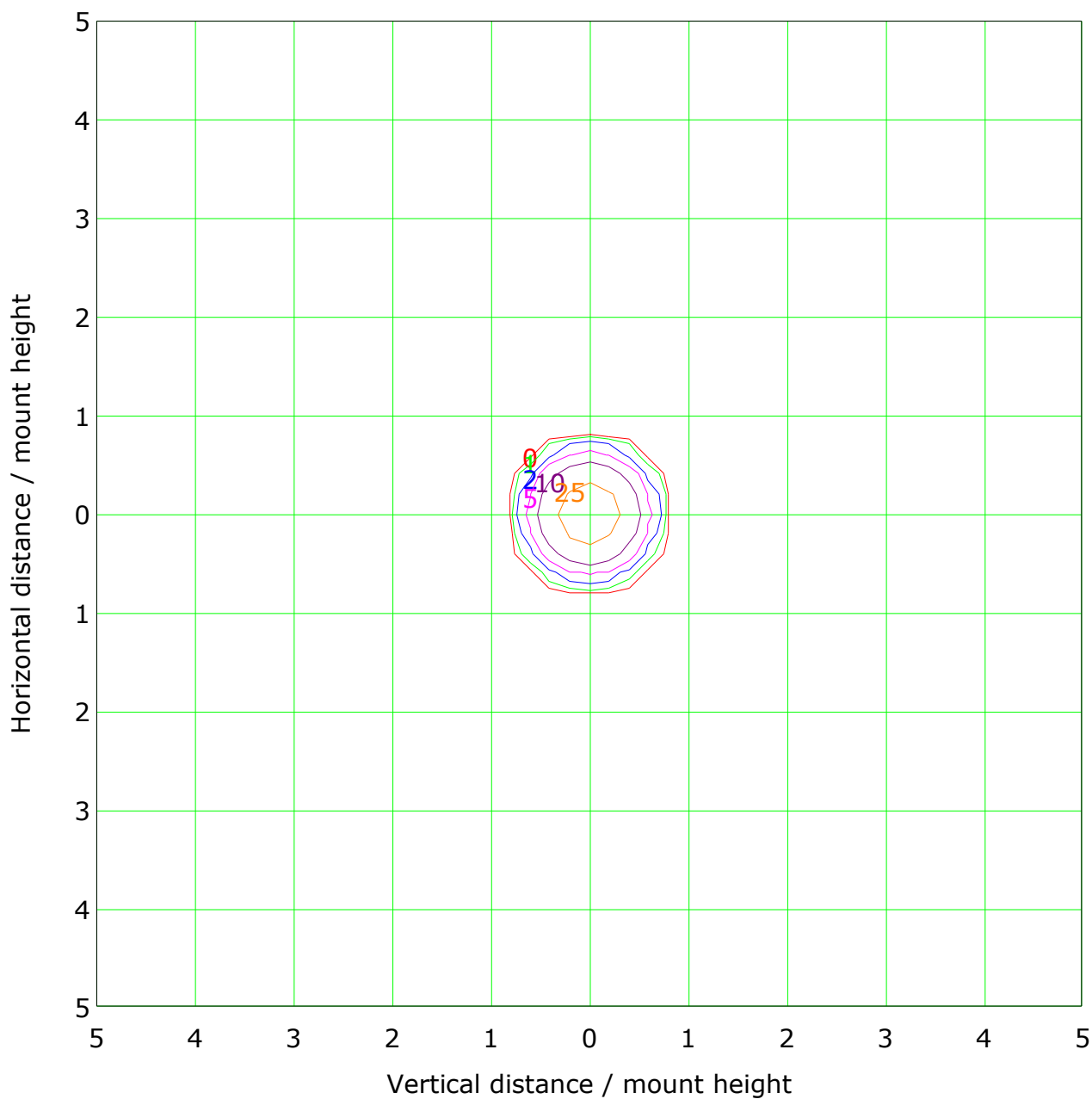
Test Device: GPM-1800B

Distance: 7.704 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 49.4 lx

(1%): 0.5 lx	(2%): 1.0 lx
(5%): 2.5 lx	(10%): 4.9 lx
(20%): 9.9 lx	(50%): 24.7 lx
(100%): 49.4 lx	

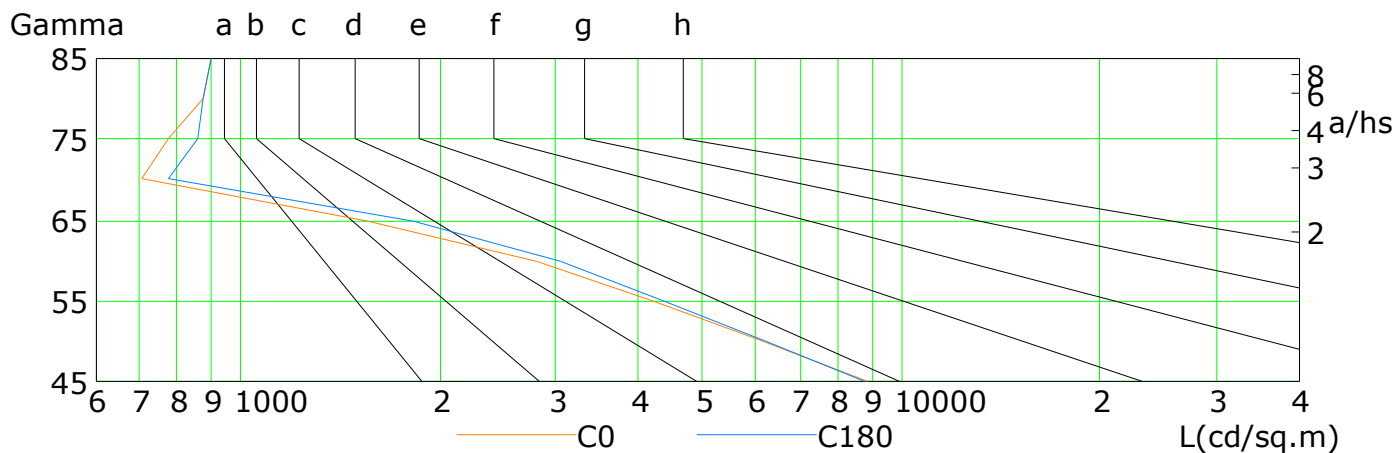
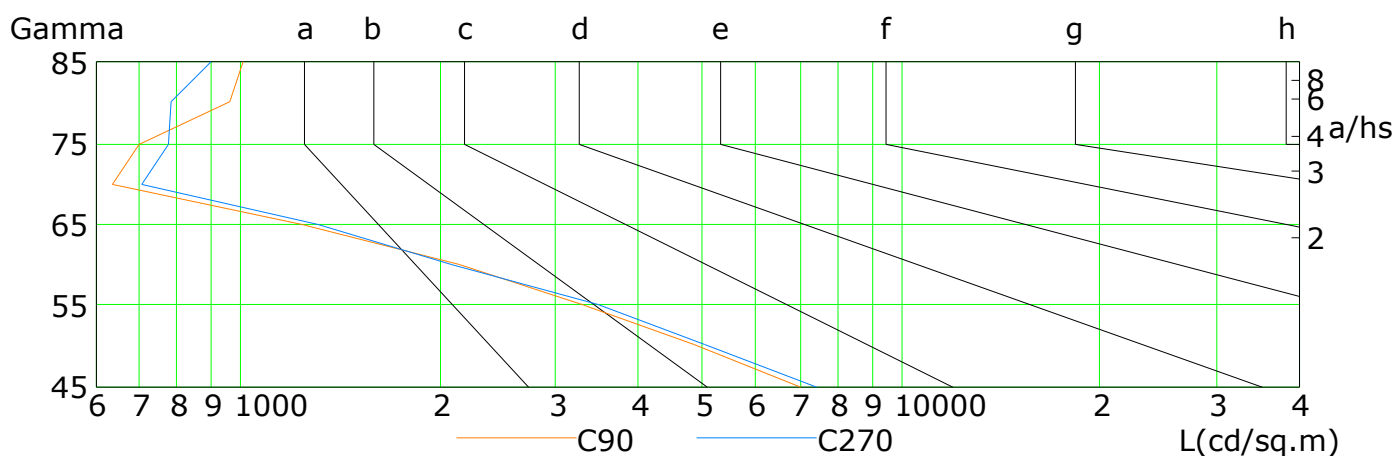
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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	8840	6151	4198	2798	1563	706	777	872	900
C90	7042	4832	3278	2128	1236	634	698	960	1002
C180	8789	6206	4370	3042	1824	777	856	872	900
C270	7464	5052	3451	2069	1302	706	777	784	900

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

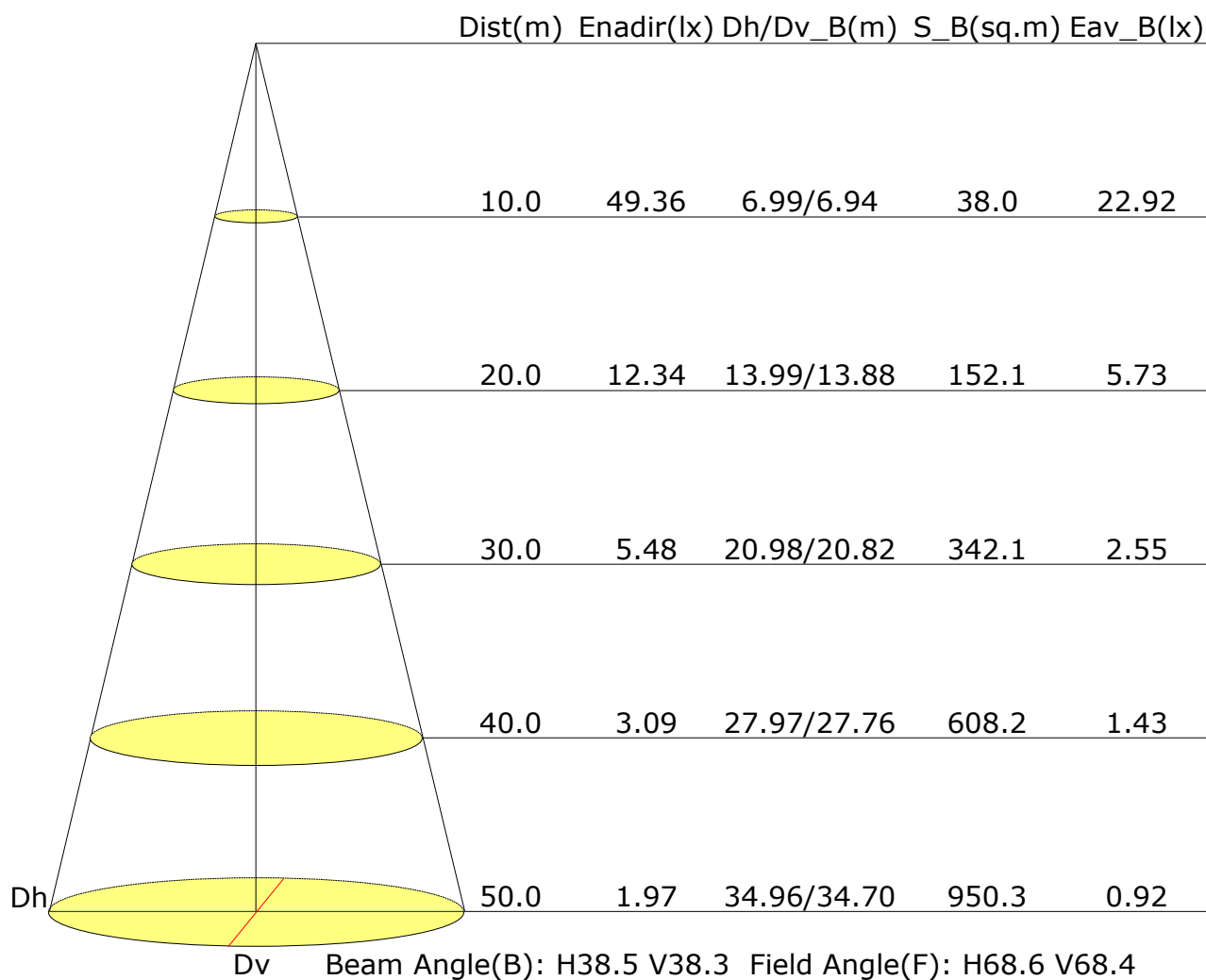
Test Device: GPM-1800B

Distance: 7.704 m

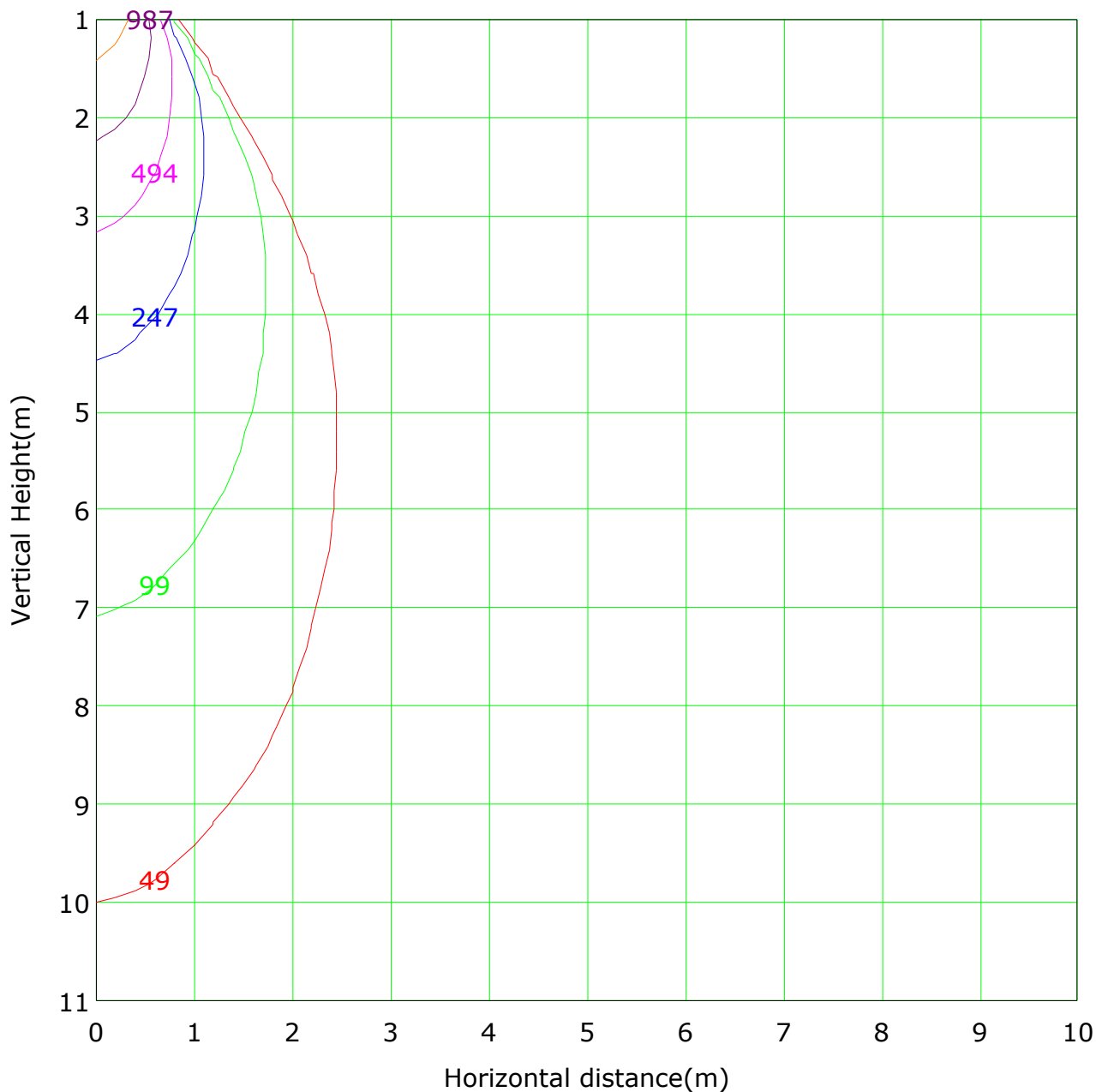
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



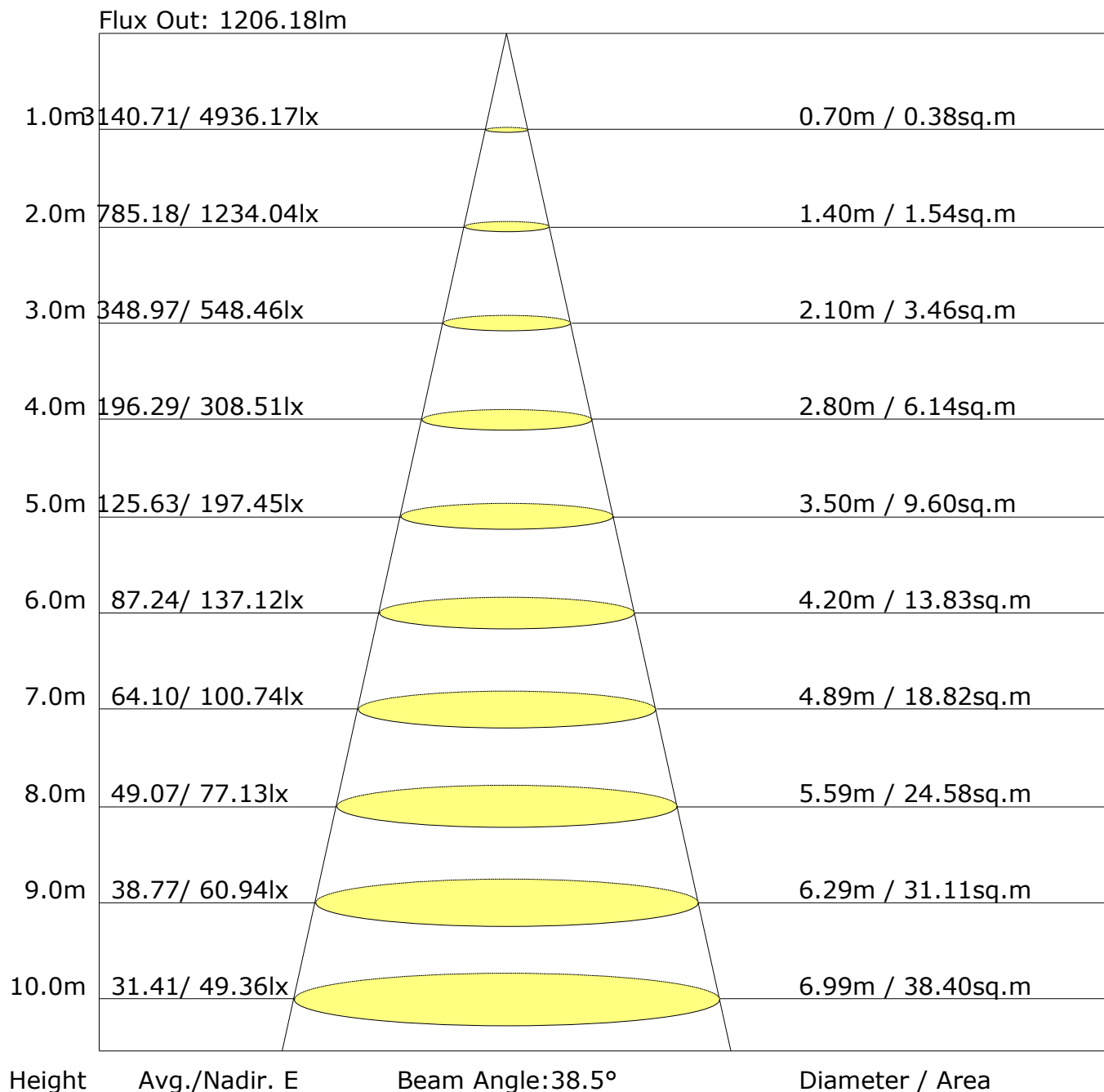
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 4936.2 lx
— (1%): 49.4 lx — (2%): 98.7 lx
— (5%): 246.8 lx — (10%): 493.6 lx
— (20%): 987.2 lx — (50%): 2468.1 lx
— (100%): 4936.2 lx

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	17.5	18.3	17.8	18.5	18.7	17.2	18.0	17.5	18.2	18.4
3H	17.4	18.1	17.7	18.3	18.6	17.1	17.7	17.4	18.0	18.3
4H	17.3	17.9	17.6	18.2	18.5	17.0	17.6	17.3	17.9	18.2
6H	17.2	17.8	17.6	18.1	18.4	16.9	17.5	17.3	17.8	18.1
8H	17.2	17.8	17.6	18.1	18.4	16.9	17.5	17.3	17.8	18.1
12H	17.2	17.7	17.5	18.0	18.4	16.9	17.4	17.2	17.7	18.1
X=4H Y=2H	17.3	17.9	17.6	18.2	18.5	17.0	17.6	17.3	17.9	18.2
3H	17.2	17.7	17.5	18.0	18.4	16.9	17.4	17.2	17.7	18.1
4H	17.1	17.6	17.5	17.9	18.3	16.8	17.3	17.2	17.6	18.0
6H	17.0	17.4	17.4	17.8	18.2	16.7	17.1	17.1	17.5	17.9
8H	17.0	17.3	17.4	17.8	18.2	16.7	17.0	17.1	17.5	17.9
12H	16.9	17.3	17.4	17.7	18.2	16.6	17.0	17.1	17.4	17.9
X=8H Y=4H	16.9	17.3	17.4	17.7	18.2	16.6	17.0	17.1	17.4	17.9
6H	16.9	17.2	17.3	17.6	18.1	16.6	16.9	17.0	17.3	17.8
8H	16.8	17.1	17.3	17.6	18.1	16.5	16.8	17.0	17.3	17.8
12H	16.8	17.0	17.3	17.5	18.0	16.5	16.7	17.0	17.2	17.7
X=12H Y=4H	16.9	17.2	17.4	17.7	18.1	16.6	16.9	17.1	17.4	17.8
6H	16.8	17.1	17.3	17.6	18.1	16.5	16.8	17.0	17.3	17.8
8H	16.8	17.0	17.3	17.5	18.0	16.5	16.7	17.0	17.2	17.7
Variations with the observer position at spacings:										
S=1.0H	+6.5/-11.3					+6.5/-12.3				
S=1.5H	+9.3/-13.1					+9.3/-14.3				
S=2.0H	+11.3/-16.0					+11.3/-16.2				

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	1155	40.8
	FL (0°-30°)	1004	35.4
	FM (30°-60°)	146	5.2
	FH (60°-80°)	4	0.1
	FVH (80°-90°)	1	0.0
	BACK LIGHT	1178	41.6
	BL (0°-30°)	1010	35.6
	BM (30°-60°)	163	5.8
	BH (60°-80°)	4	0.1
	BVH (80°-90°)	1	0.0
	UP LIGHT	30	1.1
	UL (90°-100°)	2	0.1
	UH (100°-180°)	28	1.0
	TRAPPED LIGHT	470	16.6

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B3 U2 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B3 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	4936.2	4908.8	4893.0	4867.0	4851.1	4836.6	4936.2	4908.8	4893.0	4867.0
G1.0	4903.0	4882.1	4882.1	4860.2	4842.4	4822.0	4939.9	4906.0	4858.1	4834.6
G2.0	4847.9	4823.4	4839.2	4815.3	4797.7	4777.4	4908.4	4861.5	4798.8	4781.7
G3.0	4773.4	4755.9	4775.2	4753.5	4727.9	4705.1	4843.1	4797.3	4727.2	4698.8
G4.0	4673.0	4664.7	4689.7	4661.5	4640.2	4612.2	4755.4	4701.8	4617.9	4599.6
G5.0	4556.7	4550.6	4592.5	4560.8	4539.1	4502.0	4649.5	4592.7	4503.1	4489.0
G6.0	4431.9	4428.2	4485.1	4451.0	4424.1	4388.5	4528.7	4475.3	4378.5	4369.2
G7.0	4295.5	4296.1	4365.5	4333.2	4302.2	4258.8	4395.3	4341.2	4244.2	4246.2
G8.0	4157.9	4162.4	4238.8	4204.5	4177.2	4126.9	4260.3	4203.0	4112.3	4128.2
G9.0	4024.4	4027.1	4096.7	4074.1	4049.0	3997.3	4129.0	4073.5	3988.0	3995.4
G10.0	3884.3	3888.4	3954.6	3931.8	3902.7	3856.7	3988.0	3940.0	3847.8	3847.6
G11.0	3741.1	3736.3	3802.7	3770.8	3745.0	3695.5	3843.3	3791.0	3707.0	3695.9
G12.0	3593.5	3588.5	3642.6	3621.1	3592.2	3551.2	3693.6	3648.9	3559.0	3546.7
G13.0	3442.5	3435.8	3486.6	3461.2	3428.4	3394.8	3536.9	3494.2	3402.8	3387.4
G14.0	3281.1	3277.4	3315.4	3295.6	3263.7	3227.5	3371.1	3337.3	3242.3	3227.7
G15.0	3122.3	3103.4	3147.0	3128.1	3097.3	3063.3	3208.6	3162.2	3077.8	3069.8
G16.0	2954.3	2947.4	2976.0	2955.4	2930.0	2897.3	3030.1	2994.9	2914.0	2901.2
G17.0	2792.5	2782.1	2809.2	2790.9	2767.3	2731.7	2864.5	2836.5	2760.4	2742.6
G18.0	2639.7	2625.2	2643.4	2623.9	2602.0	2570.1	2699.8	2676.4	2606.7	2592.9
G19.0	2488.1	2473.3	2483.9	2464.8	2434.7	2411.0	2534.5	2522.8	2456.6	2444.0
G20.0	2342.0	2322.9	2326.0	2305.4	2284.5	2261.3	2380.4	2369.6	2310.1	2299.9
G21.0	2194.7	2174.3	2173.2	2151.1	2128.3	2112.5	2231.6	2223.6	2167.6	2160.6
G22.0	2054.8	2033.7	2024.8	2003.8	1982.9	1967.1	2083.6	2073.0	2026.1	2017.2
G23.0	1917.2	1894.0	1879.0	1859.5	1839.7	1824.3	1932.2	1925.7	1880.3	1882.9
G24.0	1790.0	1759.4	1743.0	1716.1	1698.9	1685.2	1787.7	1782.7	1746.2	1749.3
G25.0	1664.2	1634.9	1611.9	1587.8	1570.0	1556.1	1643.2	1648.1	1611.9	1621.2
G26.0	1539.9	1510.8	1491.9	1462.6	1447.2	1437.2	1515.6	1524.5	1499.1	1503.2
G27.0	1419.2	1394.7	1376.3	1348.3	1334.6	1325.7	1396.9	1408.2	1386.5	1389.7
G28.0	1306.8	1284.1	1268.2	1240.7	1221.6	1217.0	1285.4	1296.2	1279.5	1285.1
G29.0	1199.0	1180.8	1157.6	1120.7	1102.2	1099.8	1173.6	1187.7	1182.7	1187.3
G30.0	1080.5	1056.4	1026.1	989.4	973.3	971.8	1041.0	1068.4	1073.4	1076.6
G31.0	948.4	919.3	889.4	852.7	836.2	836.0	907.8	931.0	942.3	958.2
G32.0	813.9	791.1	757.7	717.8	703.9	703.2	770.0	800.8	811.9	820.0
G33.0	682.2	648.1	624.2	592.3	571.1	574.5	639.9	663.1	675.4	692.2
G34.0	546.1	523.6	500.1	462.8	448.0	449.6	511.0	537.0	545.7	561.5
G35.0	423.8	401.0	382.3	348.5	334.8	340.2	391.4	413.1	425.5	435.0
G36.0	311.4	291.0	273.0	247.1	235.2	241.7	283.8	303.8	313.5	322.9

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 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	213.9	195.7	181.2	156.4	152.8	155.8	193.5	207.4	220.0	225.4
G38.0	134.1	118.3	105.0	92.2	88.5	90.5	116.3	130.2	136.9	143.2
G39.0	81.4	74.4	69.2	64.4	64.7	65.7	74.6	77.7	81.2	83.8
G40.0	68.1	64.9	62.0	58.2	58.2	59.9	66.4	65.3	66.2	65.7
G41.0	61.4	57.9	56.0	52.5	52.5	54.0	60.3	59.2	59.7	59.5
G42.0	53.2	49.7	48.2	44.5	44.7	46.4	53.2	52.5	52.1	51.6
G43.0	42.5	38.8	37.3	34.7	35.4	38.2	43.4	42.1	40.4	37.5
G44.0	39.3	36.0	34.1	31.7	32.1	34.9	39.3	38.0	36.9	34.1
G45.0	36.2	33.0	31.5	28.9	29.7	31.9	36.0	34.7	33.6	30.6
G46.0	33.4	30.6	28.4	26.3	26.9	29.5	33.2	32.1	31.0	28.2
G47.0	31.0	28.4	26.3	24.5	24.7	27.6	30.8	29.5	28.9	25.8
G48.0	28.9	26.5	24.5	22.4	22.8	25.4	28.9	27.8	26.7	23.9
G49.0	26.5	24.5	22.6	20.6	21.0	23.6	26.5	25.8	25.0	21.7
G50.0	24.3	22.6	21.3	19.1	19.3	21.9	24.5	23.9	23.0	20.0
G51.0	22.6	20.8	19.1	17.6	17.6	20.0	23.2	22.4	21.3	18.4
G52.0	20.8	19.5	17.8	16.1	16.1	18.7	21.7	20.8	19.7	16.9
G53.0	19.3	17.6	16.5	15.2	15.0	16.9	19.7	19.3	18.0	15.4
G54.0	17.4	16.3	15.0	13.4	13.7	15.8	18.2	17.6	16.5	13.9
G55.0	15.8	15.0	13.7	12.4	12.6	14.3	16.5	16.5	15.0	13.0
G56.0	14.8	13.4	12.4	11.3	11.3	13.2	15.2	15.2	13.7	11.5
G57.0	12.8	12.4	11.3	10.2	10.4	12.1	14.1	13.7	12.4	10.4
G58.0	11.9	11.3	10.4	9.1	9.3	10.9	12.8	12.1	11.5	9.1
G59.0	10.9	10.2	9.8	8.3	8.0	10.0	11.9	11.1	10.0	8.5
G60.0	10.0	9.3	8.9	7.6	7.6	9.3	10.9	10.2	9.3	7.4
G61.0	9.1	8.7	7.6	6.9	6.9	8.3	9.8	9.6	8.3	6.7
G62.0	8.0	7.8	7.4	6.3	6.3	7.6	8.9	8.5	7.4	6.1
G63.0	7.2	6.7	6.5	5.4	5.4	6.9	7.8	7.6	6.5	5.2
G64.0	6.3	6.1	5.9	4.8	4.6	5.9	6.9	6.7	5.6	4.6
G65.0	5.2	5.2	5.0	4.1	3.9	5.2	6.1	5.9	5.0	4.3
G66.0	4.3	4.3	3.9	3.9	3.3	4.1	5.0	4.8	4.1	3.7
G67.0	3.0	3.3	3.5	3.3	3.3	3.5	3.7	3.7	3.5	3.0
G68.0	2.8	3.0	3.0	3.0	2.8	3.3	3.5	3.0	3.0	3.0
G69.0	2.6	2.4	2.8	2.8	2.4	2.8	3.0	2.8	2.8	2.6
G70.0	2.2	2.2	2.4	2.0	2.2	2.0	2.4	2.4	2.0	2.2
G71.0	2.4	2.2	2.4	2.2	2.2	2.0	2.4	2.4	2.4	2.2
G72.0	2.2	2.0	2.2	2.2	2.2	2.0	2.2	2.2	2.4	2.4
G73.0	2.2	2.2	2.4	2.2	2.0	2.0	2.4	2.4	2.2	2.0

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	2.2	2.2	2.4	2.0	2.0	2.0	2.6	2.2	2.2	2.2
G75.0	2.2	2.2	2.2	2.0	2.0	1.7	2.4	2.2	2.0	2.2
G76.0	2.0	2.0	2.2	2.0	2.0	2.2	2.0	2.2	2.2	2.0
G77.0	2.0	2.0	2.2	2.0	2.2	2.2	2.2	2.4	2.2	2.2
G78.0	2.0	2.2	2.4	2.0	2.0	2.0	2.4	2.2	2.4	2.4
G79.0	2.4	2.4	2.2	1.7	2.0	2.0	2.2	2.4	2.2	2.0
G80.0	2.2	2.0	2.0	2.4	1.7	2.0	2.2	2.2	2.2	2.0
G81.0	1.7	2.4	2.0	2.0	2.0	2.2	1.7	2.4	2.2	2.2
G82.0	2.2	2.0	2.0	2.0	1.7	2.0	2.2	2.4	2.0	2.2
G83.0	2.0	2.0	2.2	2.2	2.0	2.2	2.0	2.2	2.2	2.4
G84.0	2.4	2.2	2.4	2.2	2.0	2.2	2.2	2.0	2.0	2.2
G85.0	2.0	2.0	2.2	2.2	1.7	2.2	2.0	2.0	2.0	2.0
G86.0	2.0	2.0	2.6	2.0	2.0	2.0	2.2	2.2	2.0	2.0
G87.0	2.0	1.7	2.0	2.2	2.0	2.2	2.0	2.0	2.2	2.0
G88.0	2.2	2.0	1.7	2.2	1.7	1.7	2.0	2.4	2.2	2.2
G89.0	1.7	2.0	2.2	2.0	1.7	2.4	2.0	2.4	2.0	2.2
G90.0	2.4	2.2	2.4	2.2	2.0	2.2	2.0	2.2	2.2	2.4
G91.0	2.0	2.2	2.2	2.2	1.7	2.0	2.0	2.4	2.0	2.2
G92.0	2.0	2.0	2.4	2.2	2.0	2.0	2.0	2.0	2.0	2.4
G93.0	2.0	2.0	2.0	2.2	1.7	2.0	1.7	2.2	2.0	2.2
G94.0	2.0	2.2	2.2	2.4	1.7	2.0	2.2	2.0	2.2	2.2
G95.0	2.0	2.2	2.0	2.2	2.0	2.0	2.0	2.0	2.2	2.2
G96.0	2.0	2.2	2.2	2.4	2.2	2.0	1.7	2.2	2.2	2.2
G97.0	2.2	1.7	1.7	2.2	1.7	2.4	2.0	2.0	2.0	2.2
G98.0	2.2	2.2	2.2	2.2	2.2	2.2	2.0	2.0	2.4	2.4
G99.0	2.4	2.2	2.2	2.0	2.0	2.2	2.0	2.0	2.2	2.4
G100.0	2.0	2.0	2.2	2.0	2.2	2.0	2.0	1.7	2.2	2.4
G101.0	2.0	2.0	2.0	2.0	2.0	2.2	1.7	2.0	2.2	2.2
G102.0	2.0	2.0	2.4	2.2	2.2	2.2	2.2	2.0	2.2	2.0
G103.0	2.2	2.6	2.2	2.2	2.0	2.0	2.0	2.2	2.4	2.2
G104.0	1.7	2.4	2.2	2.0	2.0	2.2	2.0	2.2	2.4	2.4
G105.0	2.0	2.4	2.4	2.2	2.0	2.0	2.0	2.2	2.4	2.2
G106.0	1.7	2.2	2.2	2.2	2.0	2.2	2.2	2.6	2.4	2.2
G107.0	2.0	2.2	2.6	2.2	2.2	2.2	2.0	2.2	2.0	2.2
G108.0	2.2	2.4	2.4	2.2	2.0	2.0	2.0	2.0	2.2	2.4
G109.0	2.0	2.2	2.0	2.2	2.2	2.0	2.2	2.4	2.4	2.2
G110.0	2.2	2.0	2.2	2.2	1.7	2.4	2.0	2.2	2.0	2.2

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	2.0	2.2	2.4	2.4	1.7	2.2	2.0	2.4	2.2	2.4
G112.0	2.2	2.4	2.4	2.4	2.0	2.2	2.2	2.2	2.2	2.4
G113.0	2.2	2.2	2.2	2.4	2.0	2.2	2.0	2.2	2.4	2.4
G114.0	2.0	2.2	2.4	2.2	2.2	2.0	2.2	2.4	2.6	2.6
G115.0	2.4	2.2	2.2	2.0	2.0	2.2	2.2	2.4	2.4	2.4
G116.0	2.2	2.2	2.4	2.4	2.2	2.2	2.6	2.6	2.4	2.8
G117.0	2.2	2.2	2.4	2.6	2.4	2.4	2.4	2.8	2.4	2.6
G118.0	2.4	2.4	2.4	2.4	2.4	2.6	2.8	2.6	2.8	2.4
G119.0	2.6	2.6	2.6	2.6	2.4	2.4	2.8	2.8	2.6	2.6
G120.0	2.4	2.6	2.6	2.8	2.4	2.6	3.0	2.8	2.8	2.6
G121.0	2.8	2.4	2.8	2.8	2.6	2.6	2.8	3.3	2.8	2.8
G122.0	2.8	2.6	2.8	3.0	3.0	2.8	3.3	3.5	3.3	3.0
G123.0	2.6	2.6	3.3	2.6	3.0	2.4	3.3	3.3	3.3	3.3
G124.0	2.8	2.8	3.3	3.0	2.8	2.8	3.5	3.3	3.3	3.5
G125.0	3.0	3.0	3.0	3.3	3.3	3.0	3.7	3.7	3.5	3.7
G126.0	2.8	3.3	3.5	3.3	3.0	3.3	3.9	3.7	3.7	3.7
G127.0	3.3	3.5	3.5	3.5	3.0	3.3	4.1	3.9	4.1	3.7
G128.0	3.5	3.7	3.7	3.5	3.5	3.5	4.1	3.9	4.1	3.9
G129.0	3.5	3.5	3.9	3.5	3.7	3.5	4.3	4.6	4.6	3.9
G130.0	3.9	3.7	4.1	3.9	3.7	3.9	4.8	4.8	4.3	4.3
G131.0	3.7	4.1	4.1	4.3	3.9	3.9	4.8	4.8	4.6	4.6
G132.0	3.9	4.1	4.1	4.3	4.1	4.1	5.4	5.2	5.0	5.0
G133.0	4.6	4.1	4.6	4.6	4.3	4.3	5.2	5.4	5.4	5.2
G134.0	4.8	4.8	5.0	4.8	4.8	4.6	5.4	5.6	5.6	5.6
G135.0	4.8	5.0	5.0	5.0	5.0	5.0	6.1	5.9	5.9	5.6
G136.0	5.4	5.4	5.2	5.4	5.0	5.0	6.3	6.5	5.9	6.1
G137.0	5.2	5.4	5.9	5.6	5.4	5.4	6.7	6.5	6.3	6.3
G138.0	5.6	5.9	5.9	5.6	5.4	5.9	7.2	6.9	6.7	6.5
G139.0	6.1	5.9	5.6	6.3	6.1	5.9	7.2	7.4	7.2	6.9
G140.0	6.3	6.3	6.5	6.5	6.3	6.3	7.8	7.6	7.6	7.4
G141.0	6.3	6.7	6.7	6.7	6.7	6.5	8.0	8.0	8.0	7.6
G142.0	6.9	6.7	6.9	6.9	7.2	7.2	8.5	8.0	8.0	8.0
G143.0	7.6	7.2	7.4	7.4	7.4	7.4	8.5	8.5	8.9	8.5
G144.0	7.8	8.0	7.6	7.6	7.6	7.6	8.9	8.7	8.7	8.7
G145.0	8.0	8.0	8.3	7.8	8.3	8.0	9.3	9.1	9.3	9.3
G146.0	8.5	8.5	8.0	8.3	8.3	8.3	9.6	9.3	9.8	9.6
G147.0	8.7	8.7	8.7	8.7	8.5	8.9	9.8	10.0	10.0	9.8

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 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	8.9	9.1	9.3	9.3	8.9	9.3	10.2	10.0	10.2	10.2
G149.0	9.6	9.3	9.6	9.3	9.1	9.3	10.9	10.6	10.4	10.6
G150.0	10.0	9.6	9.8	9.8	9.8	9.6	11.1	11.1	10.6	11.3
G151.0	10.0	10.0	10.2	10.0	10.0	10.0	11.3	11.3	11.5	11.3
G152.0	10.4	10.4	10.4	10.4	10.2	10.6	11.7	11.7	11.5	11.7
G153.0	10.6	10.9	10.9	11.1	10.6	10.9	12.1	12.4	11.7	12.1
G154.0	11.3	11.1	11.1	11.1	11.1	10.9	12.6	12.4	12.4	12.1
G155.0	11.5	11.5	11.5	11.5	11.3	11.5	12.8	12.6	12.8	12.6
G156.0	11.7	11.7	11.7	11.7	11.7	11.5	12.8	13.0	12.8	12.8
G157.0	11.9	12.1	11.7	12.1	11.9	11.7	13.0	13.2	13.0	13.2
G158.0	12.4	12.4	12.1	12.4	12.4	12.1	13.2	13.4	13.4	13.4
G159.0	12.6	12.6	12.6	12.8	12.4	12.1	13.9	13.7	13.4	13.4
G160.0	12.8	12.8	12.6	13.0	12.4	12.6	14.3	13.9	13.9	13.7
G161.0	13.0	12.8	13.0	13.0	13.0	12.4	14.1	13.9	14.1	14.1
G162.0	13.4	13.2	13.2	13.2	13.0	13.0	14.5	14.1	14.3	14.1
G163.0	13.4	13.4	13.2	13.9	13.2	13.2	14.5	14.5	14.3	14.5
G164.0	13.7	13.7	13.9	13.7	13.2	13.4	14.8	14.8	14.5	14.3
G165.0	13.4	13.7	13.9	13.9	13.7	13.2	14.8	14.8	14.8	14.8
G166.0	14.1	14.1	14.1	14.1	13.9	14.1	15.0	14.8	14.8	15.0
G167.0	14.1	14.3	14.1	14.3	13.9	13.9	15.2	15.0	15.0	15.0
G168.0	14.3	14.5	14.5	14.3	13.9	13.9	15.2	15.2	15.0	15.2
G169.0	14.3	14.1	14.8	14.5	14.1	14.1	15.4	15.4	15.2	15.2
G170.0	14.5	14.8	14.8	14.5	14.3	14.1	15.6	15.4	15.2	15.4
G171.0	14.5	14.8	15.0	15.0	14.5	14.8	15.6	15.6	15.6	15.4
G172.0	14.8	15.2	15.2	15.0	14.8	14.8	15.8	15.6	15.4	15.8
G173.0	15.2	15.4	15.2	15.2	15.2	15.0	16.1	15.8	15.6	15.6
G174.0	15.4	15.4	15.4	15.6	15.0	14.8	15.8	15.8	15.8	16.1
G175.0	15.6	15.6	15.8	15.4	15.2	15.2	16.1	15.8	15.8	15.8
G176.0	15.6	15.6	15.6	15.6	15.4	15.4	16.1	15.8	15.8	16.5
G177.0	15.6	15.6	15.8	15.8	15.4	15.4	16.3	15.8	15.6	15.6
G178.0	15.8	15.8	16.1	15.6	15.4	15.6	16.1	15.8	15.8	15.8
G179.0	15.8	15.8	16.3	15.8	15.4	15.8	16.3	15.6	15.8	15.8
G180.0	16.1	15.8	16.3	16.1	15.4	15.4	16.1	16.5	15.8	16.1

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	4851.1	4836.6	4936.2							
G1.0	4823.6	4813.8	4903.0							
G2.0	4773.0	4772.1	4847.9							
G3.0	4697.7	4702.7	4773.4							
G4.0	4601.4	4613.1	4673.0							
G5.0	4496.8	4504.6	4556.7							
G6.0	4379.2	4389.4	4431.9							
G7.0	4262.5	4274.0	4295.5							
G8.0	4138.8	4147.3	4157.9							
G9.0	4008.4	4012.7	4024.4							
G10.0	3868.2	3871.3	3884.3							
G11.0	3711.1	3716.3	3741.1							
G12.0	3551.7	3562.1	3593.5							
G13.0	3399.8	3407.4	3442.5							
G14.0	3234.0	3250.3	3281.1							
G15.0	3068.9	3089.9	3122.3							
G16.0	2904.0	2928.7	2954.3							
G17.0	2742.1	2767.9	2792.5							
G18.0	2595.4	2612.2	2639.7							
G19.0	2444.0	2462.0	2488.1							
G20.0	2301.2	2321.9	2342.0							
G21.0	2162.6	2182.6	2194.7							
G22.0	2022.8	2040.4	2054.8							
G23.0	1891.6	1902.4	1917.2							
G24.0	1765.5	1776.2	1790.0							
G25.0	1636.9	1649.2	1664.2							
G26.0	1514.5	1527.5	1539.9							
G27.0	1400.3	1411.8	1419.2							
G28.0	1288.0	1300.1	1306.8							
G29.0	1193.1	1198.1	1199.0							
G30.0	1086.6	1088.1	1080.5							
G31.0	960.1	963.4	948.4							
G32.0	830.6	827.5	813.9							
G33.0	692.2	695.8	682.2							
G34.0	566.1	568.3	546.1							
G35.0	440.7	447.2	423.8							
G36.0	329.1	335.7	311.4							

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	232.8	235.4	213.9							
G38.0	146.0	149.3	134.1							
G39.0	84.8	87.9	81.4							
G40.0	64.9	66.2	68.1							
G41.0	58.4	59.9	61.4							
G42.0	51.0	52.5	53.2							
G43.0	37.5	40.1	42.5							
G44.0	33.6	35.4	39.3							
G45.0	30.6	32.5	36.2							
G46.0	28.0	29.7	33.4							
G47.0	25.4	27.8	31.0							
G48.0	23.2	25.4	28.9							
G49.0	21.5	23.6	26.5							
G50.0	20.0	21.7	24.3							
G51.0	18.2	20.4	22.6							
G52.0	16.7	18.4	20.8							
G53.0	15.4	17.1	19.3							
G54.0	14.1	15.6	17.4							
G55.0	12.6	14.3	15.8							
G56.0	11.7	13.0	14.8							
G57.0	10.4	11.9	12.8							
G58.0	9.1	10.6	11.9							
G59.0	8.5	10.0	10.9							
G60.0	7.6	8.9	10.0							
G61.0	6.5	8.3	9.1							
G62.0	6.3	7.6	8.0							
G63.0	5.2	6.5	7.2							
G64.0	4.8	5.9	6.3							
G65.0	3.9	4.8	5.2							
G66.0	3.3	4.1	4.3							
G67.0	2.8	3.5	3.0							
G68.0	2.8	2.8	2.8							
G69.0	2.0	2.6	2.6							
G70.0	2.2	2.2	2.2							
G71.0	2.0	2.2	2.4							
G72.0	2.0	2.2	2.2							
G73.0	2.0	2.2	2.2							

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	2.2	2.0	2.2							
G75.0	1.7	1.7	2.2							
G76.0	2.0	2.0	2.0							
G77.0	2.0	2.2	2.0							
G78.0	2.0	2.0	2.0							
G79.0	1.7	2.2	2.4							
G80.0	2.2	2.0	2.2							
G81.0	2.0	2.4	1.7							
G82.0	1.7	1.7	2.2							
G83.0	2.0	2.0	2.0							
G84.0	2.0	1.7	2.4							
G85.0	2.0	1.7	2.0							
G86.0	1.5	1.7	2.0							
G87.0	2.0	2.2	2.0							
G88.0	2.2	1.7	2.2							
G89.0	1.7	2.0	1.7							
G90.0	2.2	2.0	2.4							
G91.0	1.7	2.0	2.0							
G92.0	1.7	2.2	2.0							
G93.0	1.7	2.2	2.0							
G94.0	2.0	1.7	2.0							
G95.0	2.0	2.0	2.0							
G96.0	1.7	2.0	2.0							
G97.0	2.0	1.7	2.2							
G98.0	2.0	2.0	2.2							
G99.0	2.0	2.0	2.4							
G100.0	2.0	2.0	2.0							
G101.0	2.0	2.2	2.0							
G102.0	1.7	2.2	2.0							
G103.0	2.2	2.0	2.2							
G104.0	1.7	2.4	1.7							
G105.0	2.0	2.4	2.0							
G106.0	1.7	2.2	1.7							
G107.0	2.0	2.2	2.0							
G108.0	2.2	2.0	2.2							
G109.0	2.0	2.4	2.0							
G110.0	2.0	2.2	2.2							

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	2.2	2.2	2.0							
G112.0	2.2	2.0	2.2							
G113.0	2.0	2.0	2.2							
G114.0	2.2	2.0	2.0							
G115.0	2.2	2.6	2.4							
G116.0	2.4	2.4	2.2							
G117.0	2.4	2.4	2.2							
G118.0	2.6	2.6	2.4							
G119.0	3.0	2.6	2.6							
G120.0	3.0	2.8	2.4							
G121.0	3.0	2.8	2.8							
G122.0	3.0	2.8	2.8							
G123.0	3.0	3.0	2.6							
G124.0	3.5	3.3	2.8							
G125.0	3.3	3.5	3.0							
G126.0	3.0	3.5	2.8							
G127.0	3.7	3.9	3.3							
G128.0	3.7	3.9	3.5							
G129.0	4.1	4.1	3.5							
G130.0	4.6	4.6	3.9							
G131.0	4.3	4.3	3.7							
G132.0	5.0	5.0	3.9							
G133.0	5.2	5.2	4.6							
G134.0	5.6	5.2	4.8							
G135.0	5.6	5.6	4.8							
G136.0	5.9	5.9	5.4							
G137.0	6.3	6.3	5.2							
G138.0	6.5	6.3	5.6							
G139.0	7.2	6.9	6.1							
G140.0	7.4	7.4	6.3							
G141.0	7.4	7.6	6.3							
G142.0	7.8	8.0	6.9							
G143.0	8.0	8.5	7.6							
G144.0	8.7	8.5	7.8							
G145.0	9.1	8.9	8.0							
G146.0	9.1	9.3	8.5							
G147.0	9.3	9.8	8.7							

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 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	10.0	10.0	8.9							
G149.0	10.2	10.4	9.6							
G150.0	10.6	10.4	10.0							
G151.0	10.9	11.1	10.0							
G152.0	11.3	11.3	10.4							
G153.0	11.9	11.7	10.6							
G154.0	11.9	11.9	11.3							
G155.0	12.4	12.1	11.5							
G156.0	12.4	12.6	11.7							
G157.0	12.6	12.6	11.9							
G158.0	13.2	13.2	12.4							
G159.0	13.4	13.4	12.6							
G160.0	13.4	13.4	12.8							
G161.0	13.7	13.4	13.0							
G162.0	13.7	13.9	13.4							
G163.0	14.3	13.9	13.4							
G164.0	14.5	13.9	13.7							
G165.0	14.5	14.1	13.4							
G166.0	14.5	14.5	14.1							
G167.0	14.8	14.8	14.1							
G168.0	15.0	14.8	14.3							
G169.0	15.0	15.0	14.3							
G170.0	15.0	15.0	14.5							
G171.0	15.4	15.0	14.5							
G172.0	15.2	15.2	14.8							
G173.0	15.6	15.0	15.2							
G174.0	15.8	15.4	15.4							
G175.0	15.6	15.6	15.6							
G176.0	15.6	15.6	15.6							
G177.0	15.8	15.8	15.6							
G178.0	15.8	15.6	15.8							
G179.0	15.8	15.6	15.8							
G180.0	15.8	15.6	16.1							

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: