

Report No.:

Test Time: 2017-11-08 16:02

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: LH800

Lamp Description: SLM C 830 1205 L12 G1

Lumens per Lamp: 2832.6

Luminous Width (mm): 50

Voltage: 220.4 V

Power: 29.20 W

Lamp Catalog: COB

Number of Lamps: 1

Luminous Length (mm): 50

Luminous Height (mm): 21

Current: 0.139 A

Power Factor: 0.950

Photometric Results

CIE Class: Direct

Measurement Flux: 2380.3 lm

Downward Ratio: 82.92%

Horizontal Diffuse Angle(50%): H26.9

Vertical Diffuse Angle(50%): V27.1

Luminaire Efficacy Rating (LER): 81.57

Max. Intensity: 7069.25 cd

S/MH(C0/C180): 0.45

Total Rated Lamp Lumens: 2832.6 lm

Efficiency: 84.03%

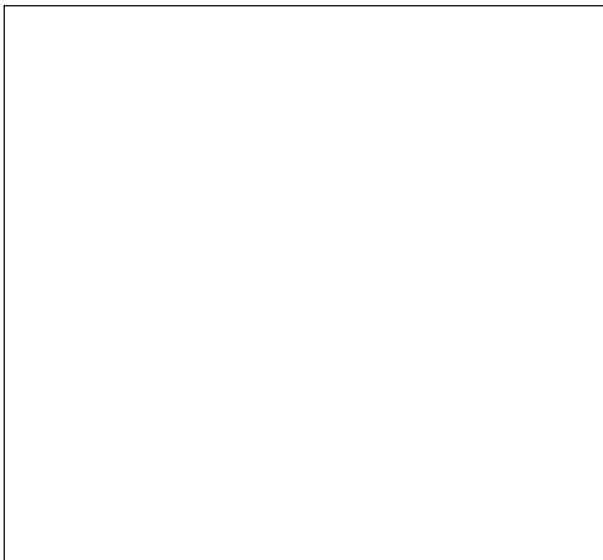
Upward Ratio: 1.11%

Central Intensity: 7065.56 cd

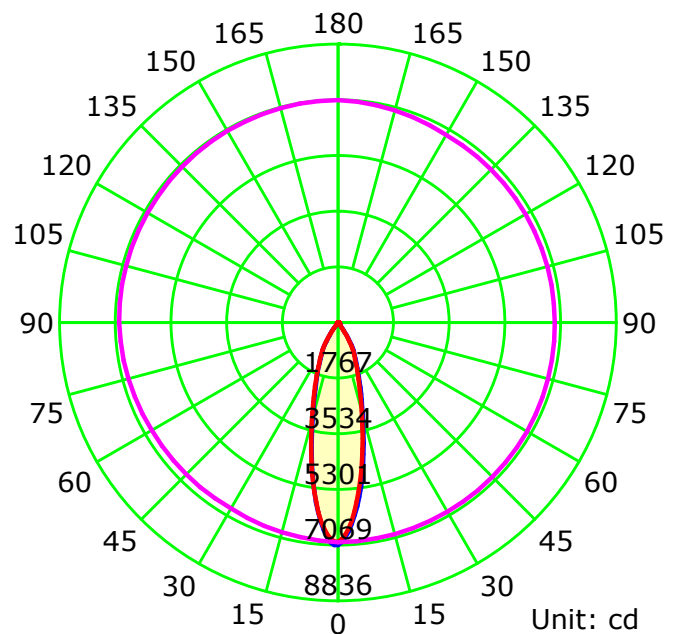
Pos of Max. Intensity: H180 V1

S/MH(C90/C270): 0.45

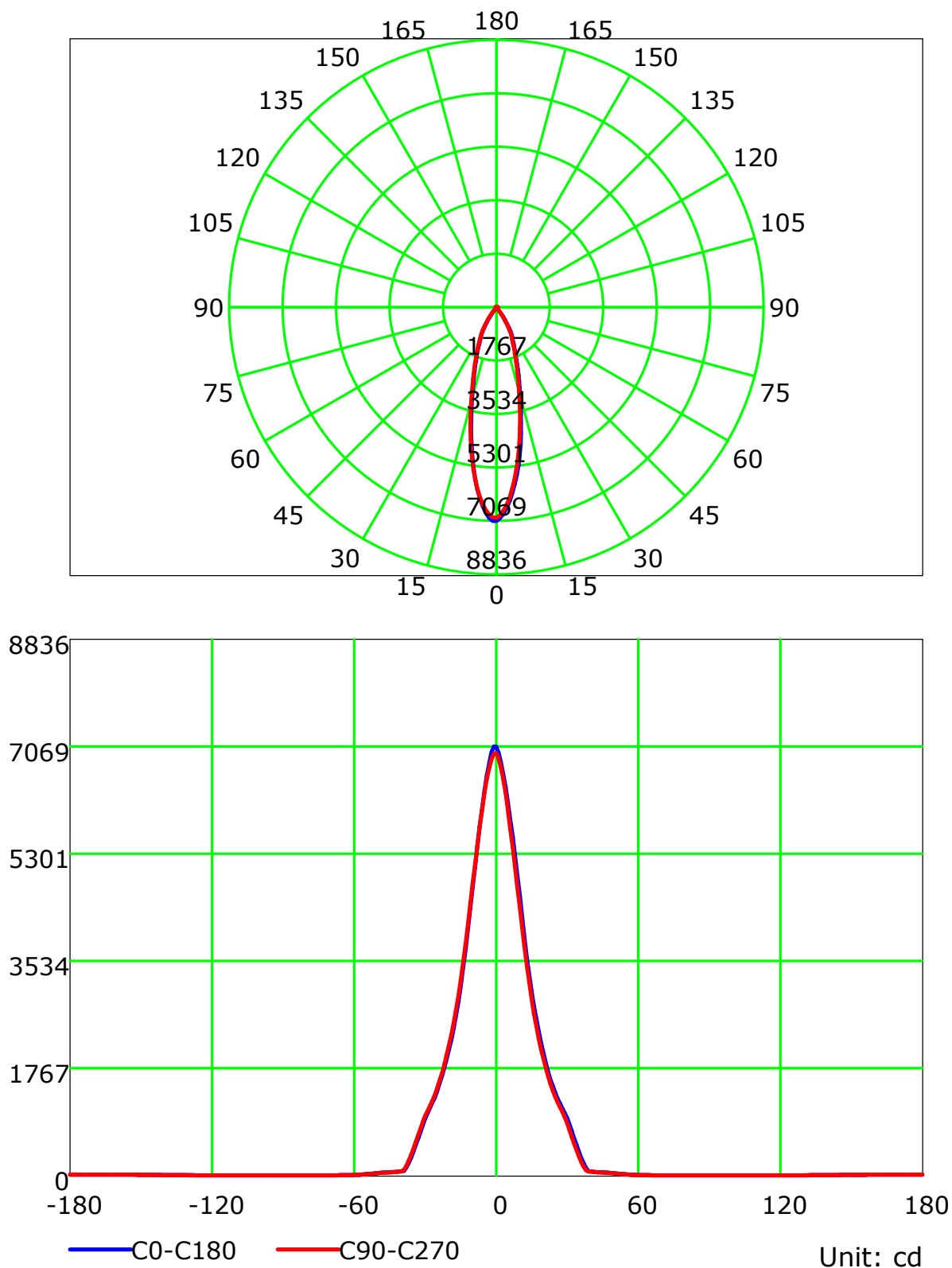
Picture Of Luminaire



Luminous Intensity Distribution Curve



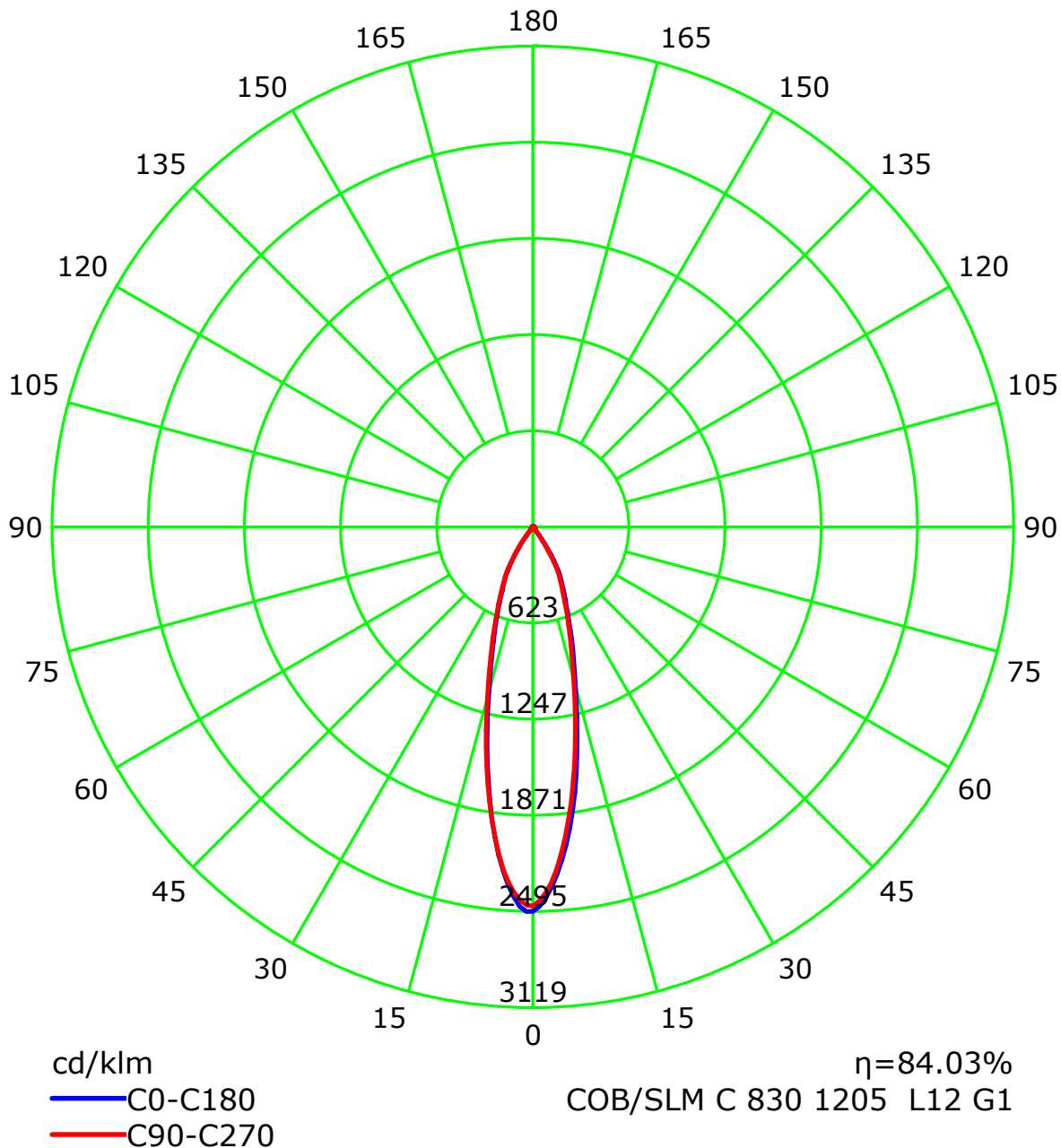
Luminous Intensity Distribution Curve



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)



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:

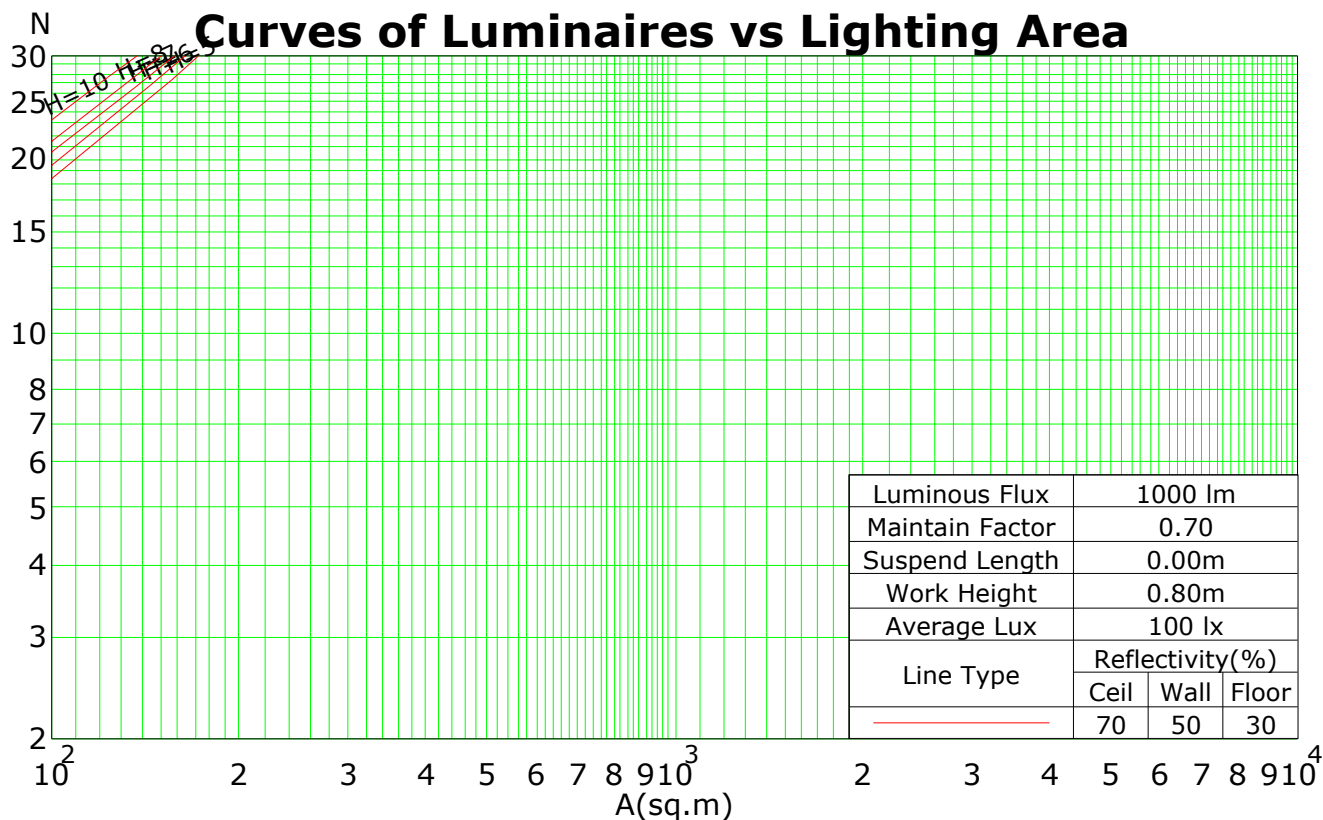
Coefficients Of Utilization - Zonal Cavity Method

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	100	100	100	100	97	97	97	97	93	93	93	89	89	89	85	85	85	83
1	96	94	92	90	94	92	90	89	88	87	86	85	84	83	82	81	80	79
2	92	88	85	83	90	87	84	82	84	82	80	81	80	78	79	78	76	75
3	88	84	80	77	86	82	79	76	80	77	75	78	76	74	76	74	73	71
4	85	79	75	72	83	78	75	72	76	73	71	75	72	70	73	71	69	68
5	81	75	71	68	80	75	71	68	73	70	67	72	69	67	70	68	66	65
6	78	72	68	65	77	71	67	64	70	66	64	69	66	63	68	65	63	62
7	75	69	64	61	74	68	64	61	67	63	61	66	63	61	65	62	60	59
8	72	66	62	59	71	65	61	59	64	61	58	63	60	58	63	60	58	57
9	70	63	59	56	69	63	59	56	62	58	56	61	58	56	60	57	55	54
10	67	61	57	54	67	60	56	54	60	56	54	59	56	53	58	55	53	52

Spacing Criteria (0-180): 0.45

Spacing Criteria (90-270): 0.45

Spacing Criteria (Diagonal): 0.50



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

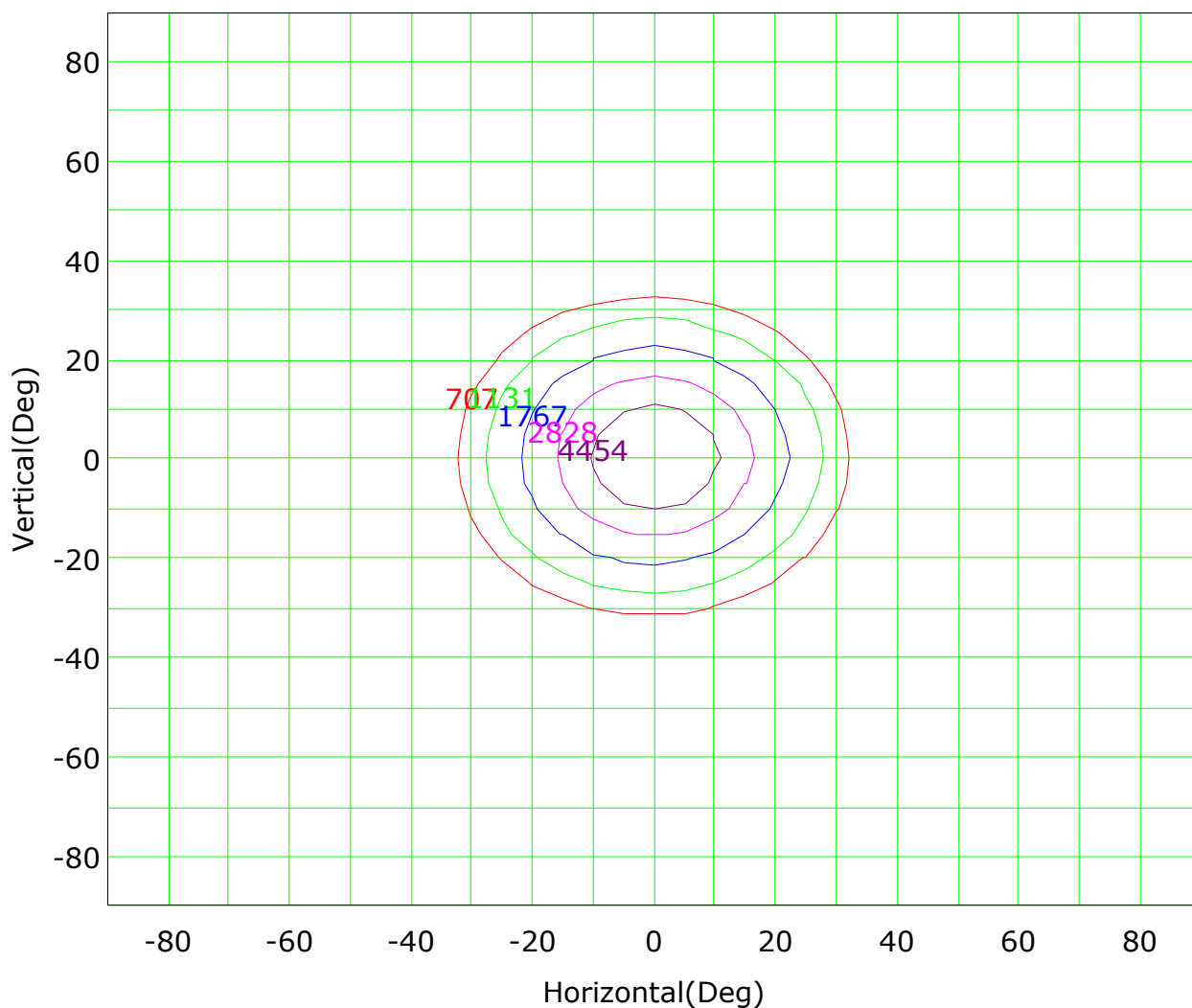
Test Device: GPM-1800B

Distance: 7.704 m

Humidity:

Inspector:

Isocandela (rectangle)



Imax (100%): 7069 cd

(10%): 707 cd	(16%): 1131 cd
(25%): 1767 cd	(40%): 2828 cd
(63%): 4454 cd	(100%): 7069 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

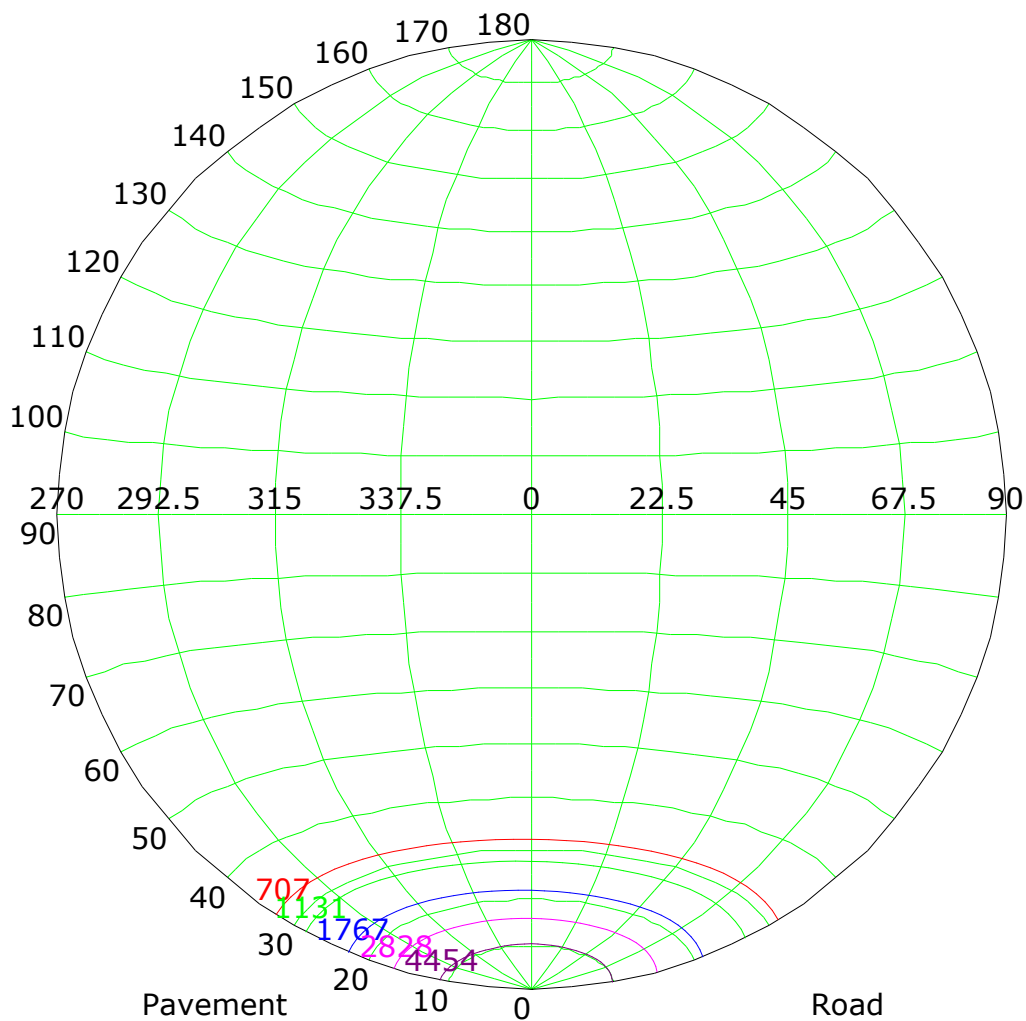
Test Device: GPM-1800B

Distance: 7.704 m

Humidity:

Inspector:

Isocandela (sphere)



Imax (100%): 7069 cd

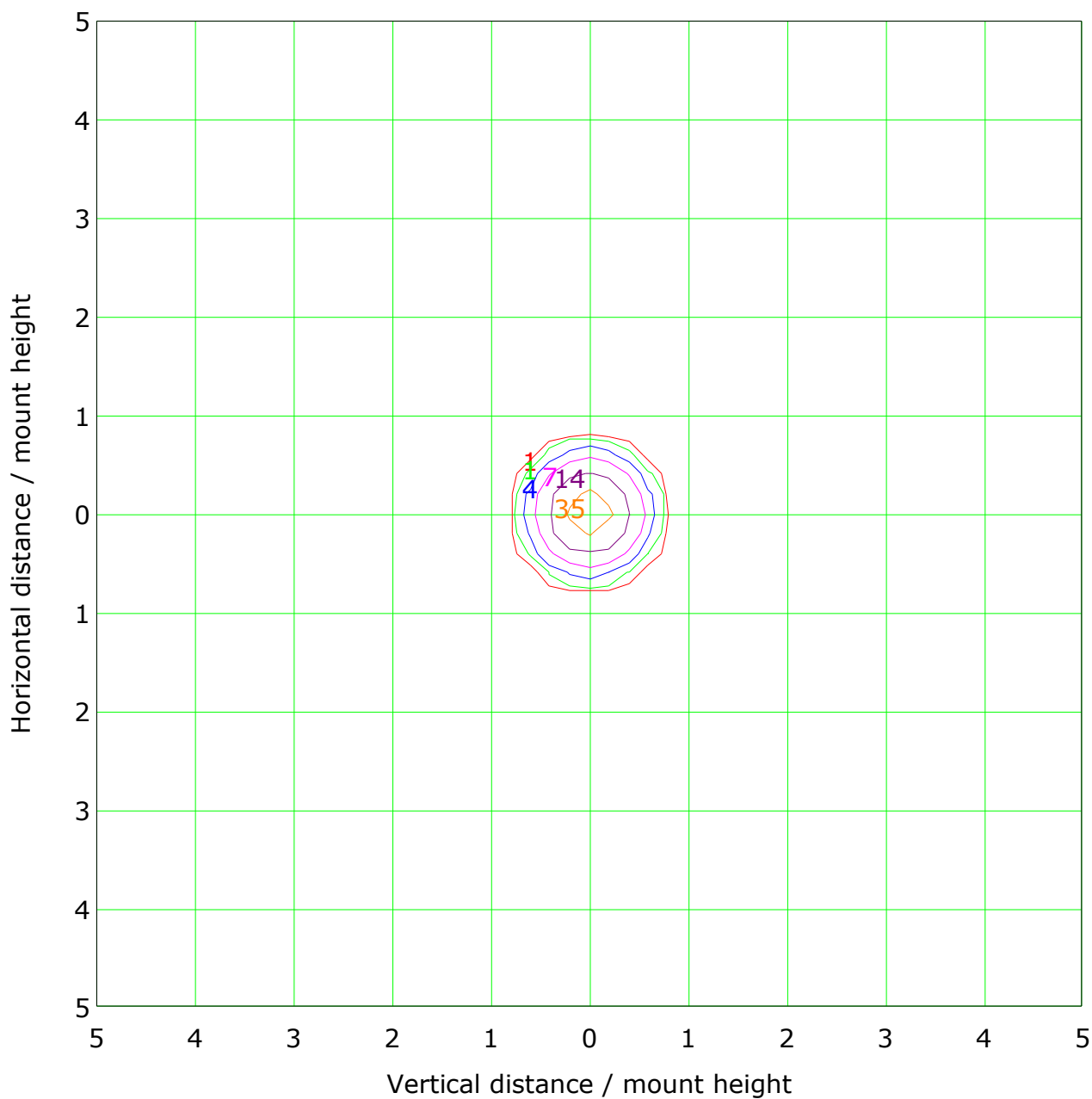
(10%): 707 cd
(25%): 1767 cd
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(16%): 1131 cd
(40%): 2828 cd
(100%): 7069 cd

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%): 70.7 lx

(1%): 0.7 lx	(2%): 1.4 lx
(5%): 3.5 lx	(10%): 7.1 lx
(20%): 14.1 lx	(50%): 35.3 lx
(100%): 70.7 lx	

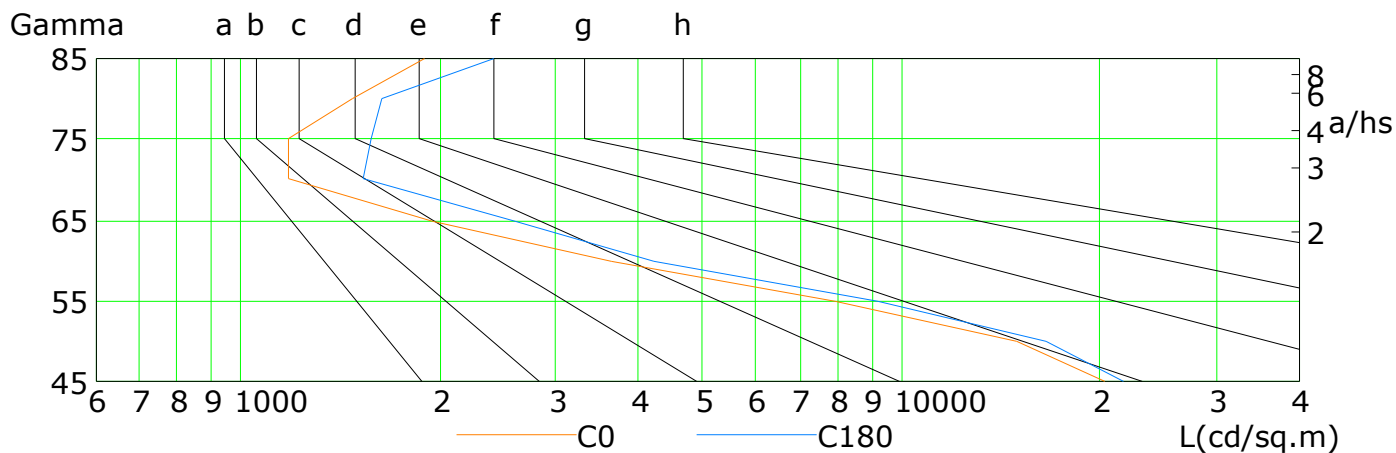
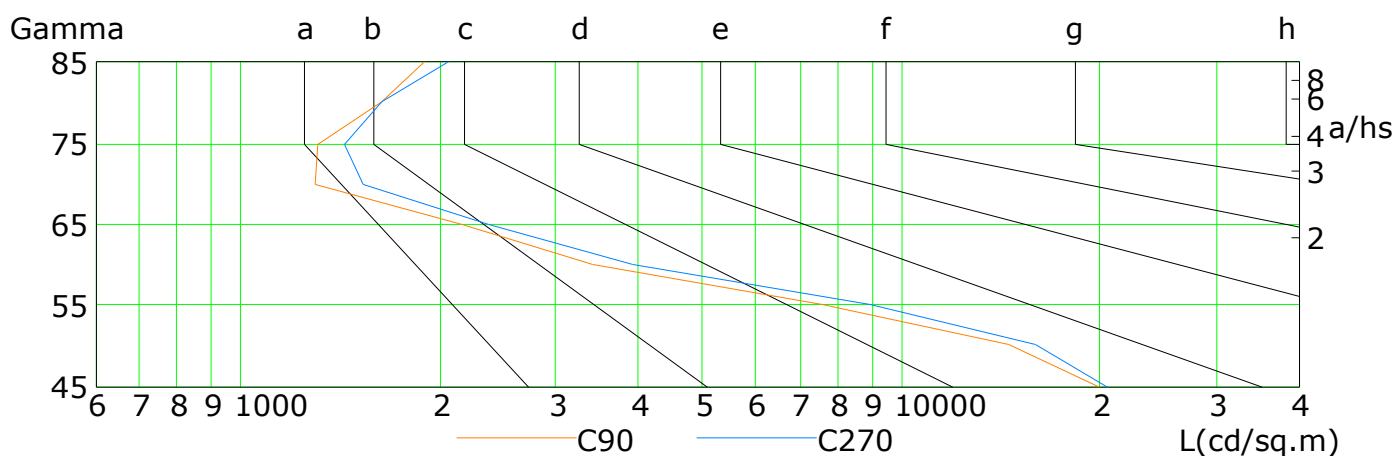
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
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Operator:

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	20401	14938	7947	3617	1947	1178	1174	1478	1891
C90	19879	14577	7567	3418	2161	1298	1306	1628	1891
C180	21695	16555	9176	4219	2594	1531	1565	1628	2405
C270	20572	16016	8984	3918	2375	1531	1439	1628	2057

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

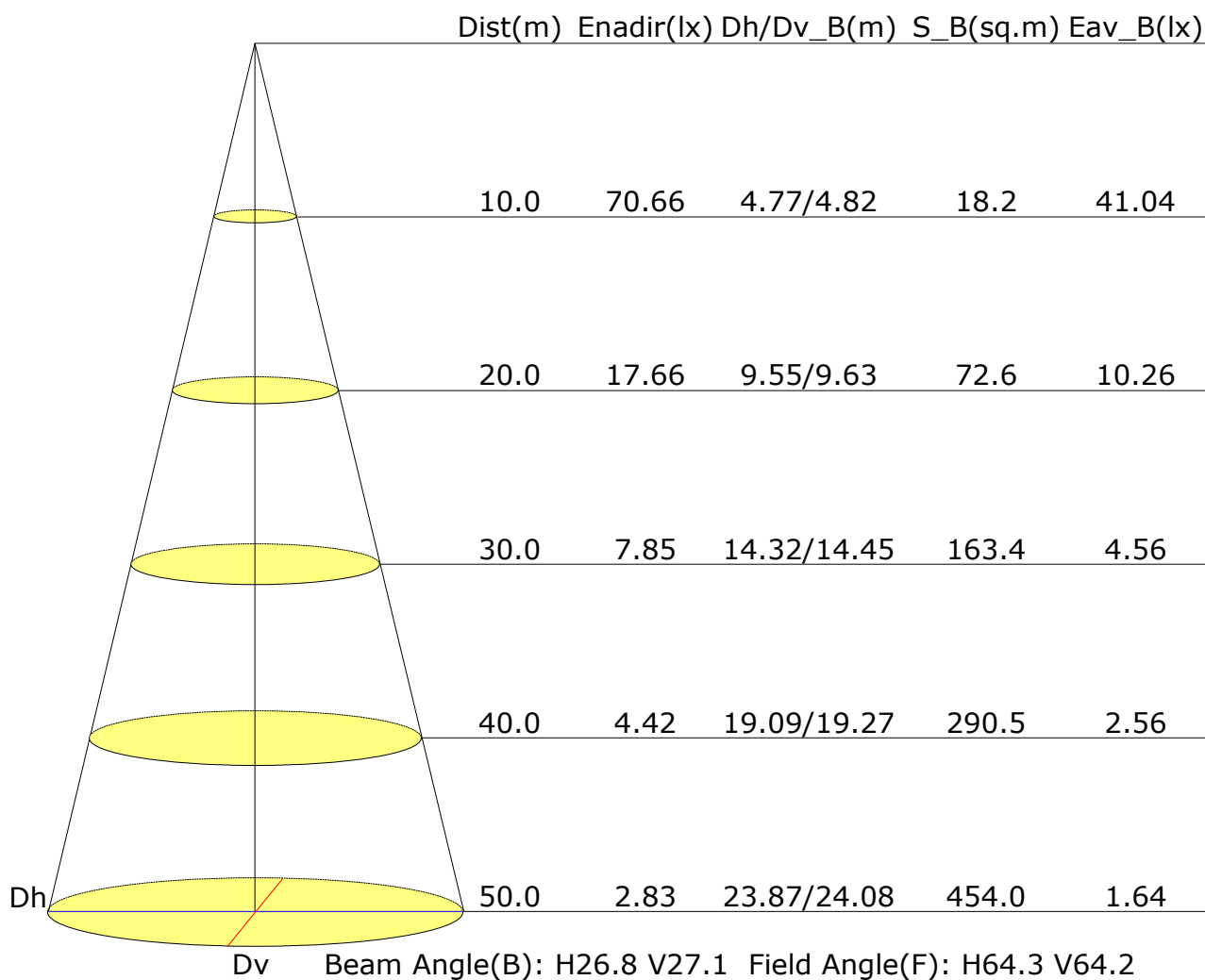
Test Device: GPM-1800B

Distance: 7.704 m

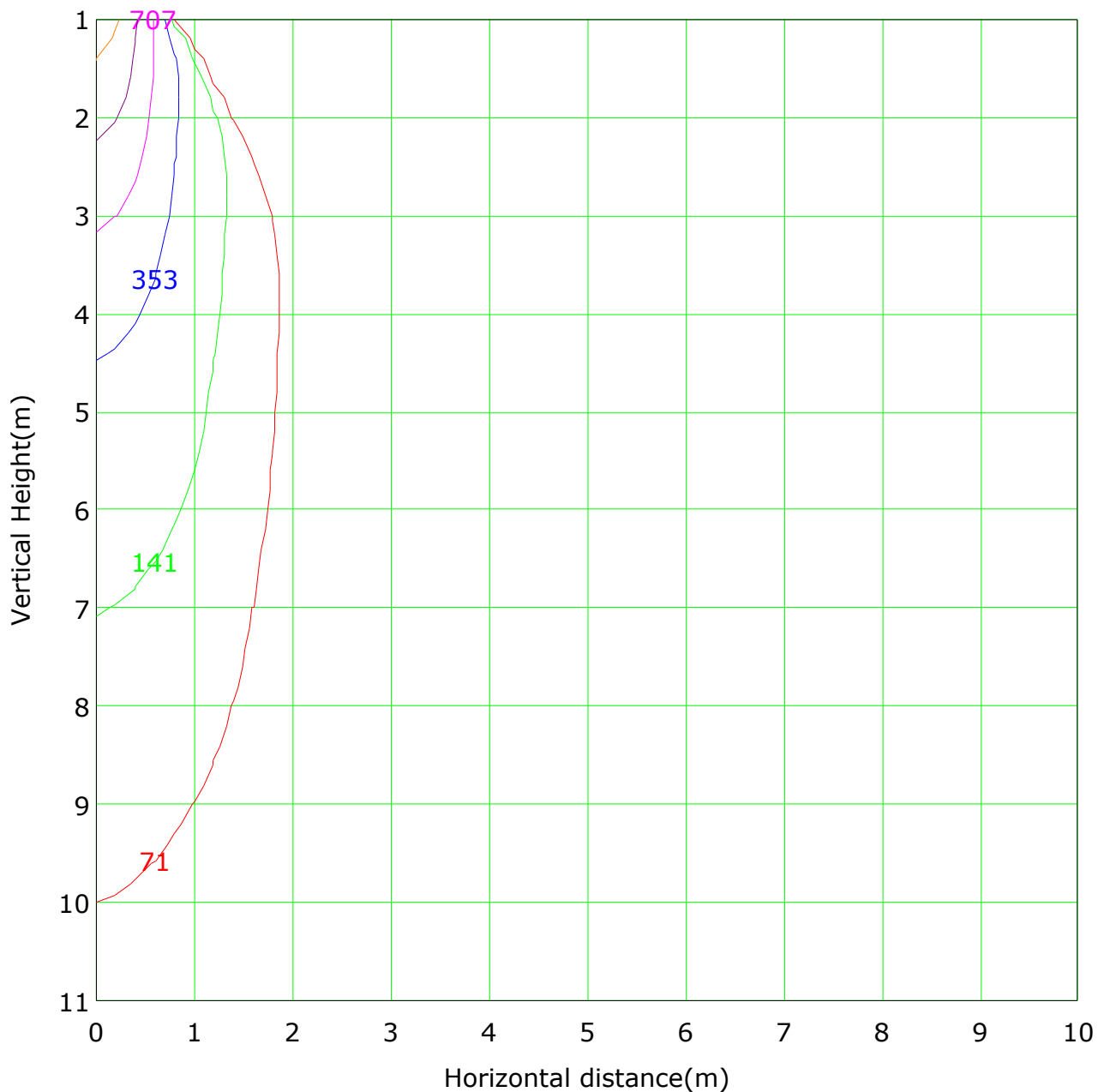
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



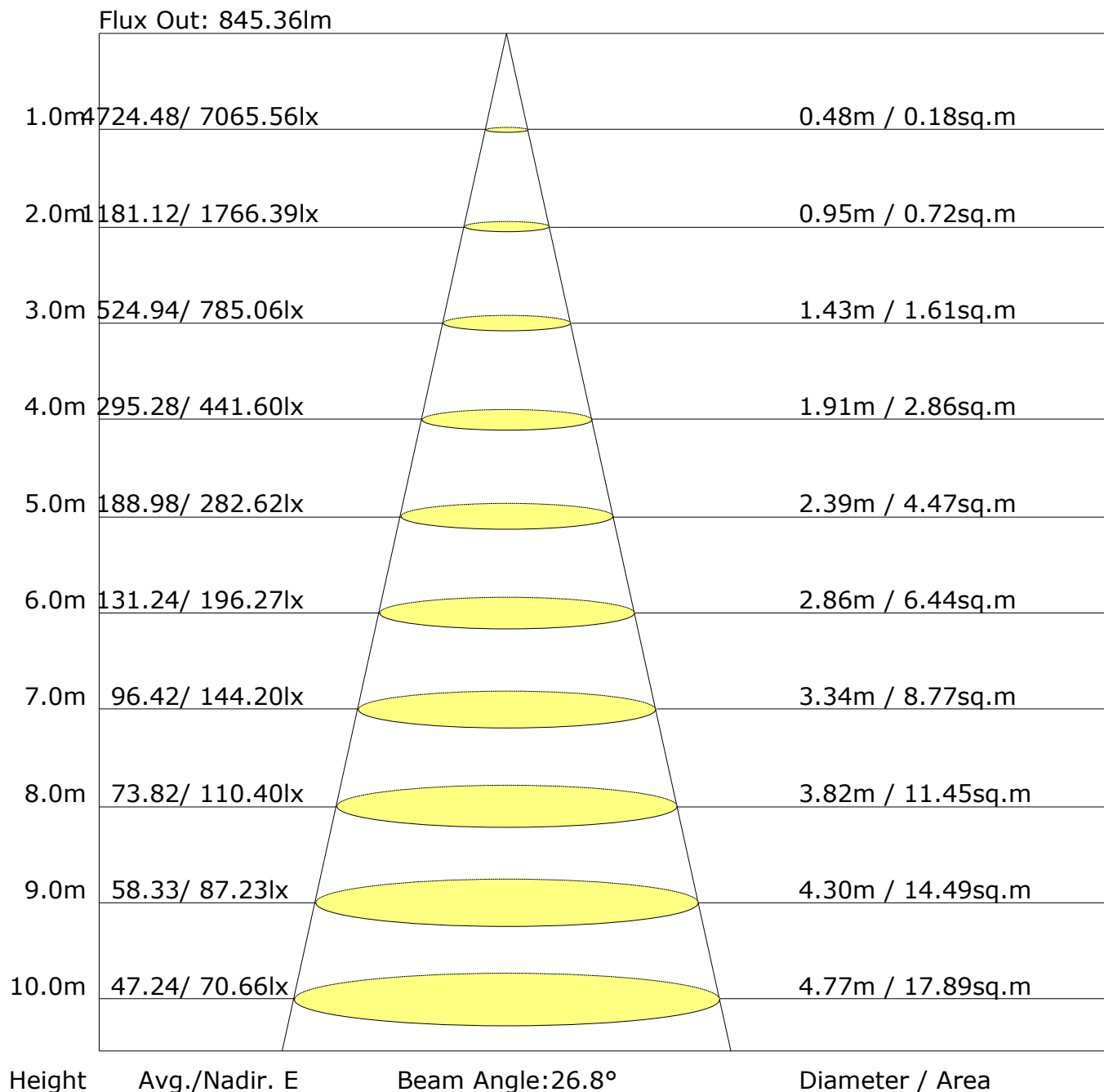
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 7065.6 lx
— (1%): 70.7 lx — (2%): 141.3 lx
— (5%): 353.3 lx — (10%): 706.6 lx
— (20%): 1413.1 lx — (50%): 3532.8 lx
— (100%): 7065.6 lx

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



UGR Table

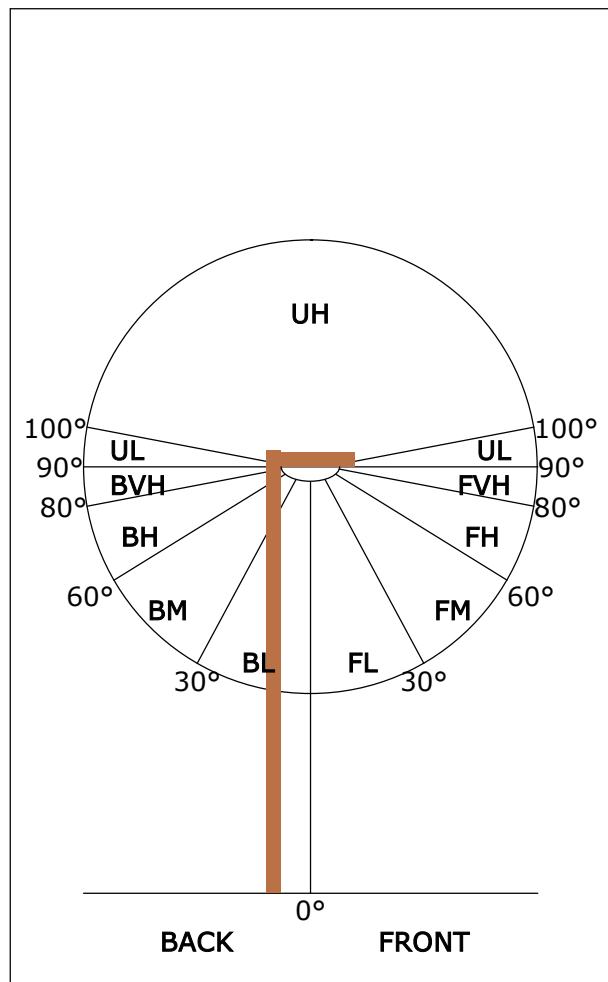
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	18.6	19.4	18.9	19.6	19.8	18.6	19.4	18.9	19.6	19.8
3H	18.5	19.2	18.8	19.4	19.7	18.5	19.1	18.8	19.4	19.7
4H	18.4	19.0	18.8	19.3	19.6	18.4	19.0	18.8	19.3	19.6
6H	18.4	18.9	18.7	19.2	19.5	18.4	18.9	18.7	19.2	19.5
8H	18.3	18.9	18.7	19.2	19.5	18.3	18.9	18.7	19.2	19.5
12H	18.3	18.8	18.7	19.1	19.5	18.3	18.8	18.7	19.1	19.5
X=4H Y=2H	18.4	19.0	18.8	19.3	19.6	18.4	19.0	18.8	19.3	19.6
3H	18.3	18.8	18.7	19.1	19.5	18.3	18.8	18.7	19.1	19.5
4H	18.2	18.7	18.6	19.0	19.4	18.2	18.7	18.6	19.0	19.4
6H	18.1	18.5	18.6	18.9	19.3	18.1	18.5	18.6	18.9	19.3
8H	18.1	18.5	18.5	18.9	19.3	18.1	18.5	18.5	18.9	19.3
12H	18.1	18.4	18.5	18.8	19.3	18.1	18.4	18.5	18.8	19.3
X=8H Y=4H	18.1	18.5	18.5	18.9	19.3	18.1	18.4	18.5	18.9	19.3
6H	18.0	18.3	18.5	18.7	19.2	18.0	18.3	18.5	18.7	19.2
8H	18.0	18.2	18.5	18.7	19.2	18.0	18.2	18.4	18.7	19.2
12H	17.9	18.2	18.4	18.7	19.2	17.9	18.2	18.4	18.7	19.2
X=12H Y=4H	18.0	18.4	18.5	18.8	19.3	18.0	18.4	18.5	18.8	19.2
6H	17.9	18.2	18.4	18.7	19.2	17.9	18.2	18.4	18.7	19.2
8H	17.9	18.2	18.4	18.6	19.2	17.9	18.1	18.4	18.6	19.2
Variations with the observer position at spacings:										
S=1.0H	+6.3/-9.8					+6.2/-10.3				
S=1.5H	+9.1/-13.1					+9.0/-13.5				
S=2.0H	+11.1/-14.9					+11.0/-15.3				

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
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Operator:

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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	1140	40.2
FL (0°-30°)	991	35.0
FM (30°-60°)	144	5.1
FH (60°-80°)	4	0.1
FVH (80°-90°)	1	0.0
BACK LIGHT	1209	42.7
BL (0°-30°)	1040	36.7
BM (30°-60°)	164	5.8
BH (60°-80°)	4	0.1
BVH (80°-90°)	1	0.0
UP LIGHT	32	1.1
UL (90°-100°)	2	0.1
UH (100°-180°)	29	1.0
TRAPPED LIGHT	452	16.0

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	7065.6	7033.2	7000.7	6964.0	6890.0	6879.2	7065.6	7033.2	7000.7	6964.0
G1.0	6972.0	6938.6	6928.4	6879.2	6880.0	6876.6	7069.3	7030.8	6985.3	6952.3
G2.0	6815.6	6788.3	6790.4	6732.7	6778.7	6783.3	6982.2	6953.8	6896.3	6867.5
G3.0	6626.0	6599.1	6606.7	6547.0	6603.0	6609.5	6805.4	6785.2	6727.7	6727.5
G4.0	6398.1	6374.3	6379.0	6303.1	6370.8	6389.5	6591.3	6576.3	6531.8	6539.4
G5.0	6137.8	6099.6	6107.0	6017.8	6104.8	6133.0	6343.9	6330.0	6284.7	6310.1
G6.0	5865.3	5830.1	5811.9	5716.4	5816.0	5849.9	6060.1	6057.9	6009.3	6044.3
G7.0	5582.8	5519.4	5500.7	5406.1	5508.5	5550.6	5753.5	5741.4	5718.8	5749.6
G8.0	5267.3	5201.8	5179.8	5083.3	5182.9	5234.7	5423.9	5423.9	5407.2	5443.0
G9.0	4942.3	4869.1	4856.1	4745.5	4852.4	4895.6	5083.7	5100.0	5076.1	5121.5
G10.0	4605.7	4529.6	4516.3	4415.6	4517.6	4558.6	4738.9	4755.9	4754.4	4798.8
G11.0	4256.6	4192.8	4194.1	4088.0	4176.3	4219.7	4402.4	4427.1	4437.4	4470.3
G12.0	3911.2	3866.7	3868.2	3765.4	3831.3	3881.5	4068.1	4094.5	4103.0	4138.1
G13.0	3595.5	3554.7	3565.5	3470.1	3520.4	3572.1	3730.0	3766.2	3777.5	3823.1
G14.0	3296.1	3263.9	3265.0	3178.7	3218.4	3276.5	3425.8	3456.0	3469.9	3516.1
G15.0	3031.6	2997.1	2998.1	2910.1	2946.3	2993.6	3134.4	3165.9	3188.9	3232.1
G16.0	2792.7	2754.9	2748.0	2668.8	2693.3	2741.9	2872.3	2905.9	2924.4	2969.9
G17.0	2577.4	2535.8	2534.5	2452.9	2467.9	2509.5	2640.4	2683.1	2697.0	2730.8
G18.0	2373.5	2331.2	2327.7	2253.9	2260.2	2305.4	2427.1	2467.4	2484.6	2516.5
G19.0	2189.3	2148.5	2144.8	2080.1	2078.4	2126.8	2239.2	2279.8	2292.6	2324.7
G20.0	2010.5	1976.4	1975.6	1918.3	1914.6	1959.1	2072.3	2106.0	2118.3	2144.6
G21.0	1849.3	1817.4	1820.4	1770.7	1764.0	1804.8	1914.4	1946.9	1955.2	1982.7
G22.0	1706.9	1678.5	1678.9	1636.4	1629.1	1669.2	1773.3	1800.2	1803.7	1825.2
G23.0	1577.6	1554.4	1552.2	1510.1	1504.3	1544.4	1639.9	1657.5	1661.6	1684.4
G24.0	1466.8	1438.5	1440.9	1392.8	1385.8	1420.1	1513.0	1528.8	1530.1	1558.1
G25.0	1362.6	1336.1	1334.0	1293.2	1278.6	1306.4	1389.7	1407.3	1403.6	1437.0
G26.0	1266.5	1242.2	1237.8	1205.9	1186.8	1206.8	1285.6	1300.1	1294.9	1330.3
G27.0	1180.1	1155.4	1151.5	1122.2	1105.9	1123.9	1201.4	1209.6	1202.9	1232.4
G28.0	1101.6	1077.1	1072.5	1045.8	1030.6	1050.2	1120.0	1127.4	1119.8	1146.1
G29.0	1031.3	1006.3	998.1	959.2	935.8	967.5	1036.1	1045.4	1044.1	1068.4
G30.0	943.4	914.1	902.4	857.7	835.1	867.3	937.3	946.4	950.1	985.7
G31.0	839.3	809.1	794.8	744.4	728.6	758.8	833.0	842.3	846.0	886.3
G32.0	728.0	703.2	681.5	632.5	620.1	655.0	725.3	733.4	737.5	774.0
G33.0	612.3	586.0	570.2	522.5	509.7	544.6	615.3	625.1	624.7	667.6
G34.0	499.3	475.2	463.2	413.5	404.2	441.3	504.3	516.2	517.0	552.8
G35.0	386.6	367.3	358.7	311.4	307.7	338.3	396.0	403.1	410.7	441.5
G36.0	285.8	270.1	256.5	220.9	211.1	244.8	296.6	302.5	306.6	343.0

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 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	193.1	181.2	170.3	139.5	136.0	160.3	205.5	210.3	214.4	242.4
G38.0	120.6	108.5	101.3	84.2	81.6	95.7	130.6	135.2	133.4	156.9
G39.0	73.1	68.6	68.1	66.8	66.2	67.7	79.4	82.2	80.3	92.4
G40.0	63.6	63.1	64.7	63.1	63.6	64.7	69.0	68.8	67.7	67.7
G41.0	60.5	59.9	61.8	59.9	61.0	62.5	65.5	65.5	64.4	64.7
G42.0	57.5	57.1	57.5	55.3	57.5	59.0	62.7	62.5	60.5	60.8
G43.0	54.5	53.8	54.2	53.6	54.9	55.3	58.6	57.7	56.0	56.6
G44.0	53.2	52.5	52.7	52.1	52.7	54.2	56.4	56.0	53.8	53.4
G45.0	51.2	51.2	50.8	49.9	51.2	52.5	54.5	53.8	52.5	51.6
G46.0	49.0	49.5	48.6	47.7	49.5	50.8	52.1	51.9	50.6	49.9
G47.0	46.7	46.9	46.2	45.1	47.1	48.0	49.9	49.7	48.4	47.5
G48.0	43.0	43.2	43.2	41.9	44.5	45.1	47.3	47.3	46.2	45.3
G49.0	39.9	39.5	39.5	38.4	40.8	42.1	43.8	44.0	42.5	42.5
G50.0	36.0	35.8	36.2	35.2	37.1	38.0	39.9	40.4	38.8	38.6
G51.0	32.1	31.9	31.9	30.8	33.0	34.1	36.7	36.5	35.4	35.2
G52.0	28.2	28.0	28.2	27.1	29.5	30.4	32.3	32.8	31.0	31.9
G53.0	24.7	24.5	24.7	23.9	25.4	26.3	28.9	28.9	27.1	27.8
G54.0	21.5	21.3	21.3	20.2	22.1	22.8	25.0	25.0	23.4	24.1
G55.0	18.2	18.2	18.4	17.4	19.3	19.7	21.0	21.7	20.0	20.6
G56.0	14.5	15.2	15.2	14.3	15.6	16.1	18.0	18.4	17.1	17.8
G57.0	12.1	12.4	12.4	11.5	12.8	13.7	15.0	15.2	14.3	14.5
G58.0	10.0	10.6	10.6	10.4	10.6	11.3	12.4	12.4	11.3	11.9
G59.0	8.7	8.7	8.7	8.3	9.1	9.3	10.4	10.4	10.0	10.0
G60.0	7.8	8.0	8.0	7.4	7.6	8.0	9.1	8.9	8.3	8.5
G61.0	6.9	6.9	7.4	6.7	6.9	7.6	8.3	8.0	7.2	7.6
G62.0	6.1	6.5	6.1	6.1	6.5	7.2	7.6	7.4	6.7	6.9
G63.0	5.4	5.6	5.6	5.2	5.6	6.3	6.7	6.7	6.1	6.3
G64.0	4.8	5.0	5.2	4.8	4.8	5.6	6.3	5.9	5.2	5.4
G65.0	3.9	4.6	4.6	4.3	4.6	4.8	5.2	5.0	4.3	4.8
G66.0	3.9	3.9	4.1	3.9	3.7	4.1	4.8	4.6	3.9	4.3
G67.0	3.3	3.7	3.3	3.5	3.5	3.5	3.9	4.1	3.3	4.1
G68.0	2.8	3.0	3.0	3.0	3.0	3.0	3.5	3.5	2.8	3.5
G69.0	2.2	2.6	2.8	2.4	2.8	2.4	3.0	3.0	2.8	3.3
G70.0	2.2	2.2	2.2	2.4	2.4	2.2	2.8	2.6	2.2	2.8
G71.0	2.0	2.2	2.2	2.2	2.6	2.4	2.6	2.2	2.4	2.4
G72.0	2.4	2.4	2.2	2.4	2.4	2.4	2.8	2.4	2.4	2.6
G73.0	2.4	2.4	2.2	2.2	2.6	2.2	2.6	2.2	2.4	2.6

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 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	2.4	2.4	2.4	2.4	2.2	2.2	2.6	2.4	2.2	2.6
G75.0	2.0	2.4	2.2	2.2	2.4	2.4	2.6	2.4	2.2	2.4
G76.0	2.2	2.2	2.4	2.2	2.6	2.4	2.4	2.4	2.0	2.4
G77.0	2.4	2.4	2.2	2.0	2.6	2.0	2.8	2.2	2.2	2.4
G78.0	2.4	2.4	2.2	2.2	2.4	2.2	2.6	2.2	2.0	2.4
G79.0	2.2	2.0	2.0	2.2	2.4	2.2	2.6	2.4	2.0	2.4
G80.0	2.2	2.2	2.4	2.4	2.6	2.4	2.4	2.2	2.0	2.4
G81.0	2.4	2.2	2.4	2.2	2.4	2.4	2.4	2.4	2.0	2.4
G82.0	2.4	2.0	2.0	2.2	2.6	2.4	2.4	2.2	2.2	2.4
G83.0	2.4	2.2	2.0	2.2	2.4	2.4	2.4	2.2	2.0	2.2
G84.0	2.4	2.2	2.2	2.4	2.4	2.4	2.8	2.4	2.0	2.4
G85.0	2.4	2.0	2.2	2.4	2.2	2.0	3.0	2.2	2.2	2.6
G86.0	2.4	2.2	2.2	2.4	2.4	2.2	2.4	2.2	2.4	2.2
G87.0	2.2	2.4	2.2	2.6	2.4	2.2	2.8	2.2	2.2	2.2
G88.0	2.4	2.2	2.2	2.4	2.4	2.2	2.4	2.4	2.2	2.4
G89.0	2.2	2.4	2.4	2.4	2.2	2.2	2.6	2.2	1.7	2.4
G90.0	2.2	2.2	2.0	2.2	2.4	2.0	2.6	2.2	2.2	2.2
G91.0	2.2	2.2	2.2	2.4	2.2	2.2	2.6	2.2	2.4	2.4
G92.0	2.2	2.4	2.2	2.4	2.4	2.2	2.8	2.4	2.2	2.2
G93.0	2.4	2.2	2.4	2.2	2.2	2.2	2.8	2.4	2.2	2.2
G94.0	2.2	2.0	2.2	2.0	2.2	1.7	2.8	2.2	2.2	2.4
G95.0	2.4	2.4	2.4	2.2	2.2	2.0	2.6	2.4	2.2	2.4
G96.0	2.2	2.2	2.4	2.2	2.0	2.2	2.8	2.2	2.4	2.4
G97.0	2.2	2.2	2.4	2.4	2.2	2.2	2.8	2.4	2.2	2.2
G98.0	2.2	2.2	2.6	2.4	2.4	2.0	2.8	2.2	2.4	2.4
G99.0	2.4	2.2	2.4	2.4	2.2	2.2	2.6	2.4	2.4	2.2
G100.0	2.4	2.2	2.6	2.4	2.4	2.0	2.6	2.4	2.4	2.4
G101.0	2.2	2.4	2.4	2.4	2.2	2.4	2.6	2.4	2.2	2.4
G102.0	2.4	2.2	2.4	2.4	2.4	2.2	2.2	2.6	2.0	2.6
G103.0	2.2	2.2	2.2	2.4	2.4	2.0	2.6	2.4	2.0	2.4
G104.0	2.2	2.4	2.6	2.4	2.4	2.4	2.6	2.2	2.4	2.4
G105.0	2.2	2.4	2.4	2.2	2.2	2.0	2.6	2.2	2.2	2.4
G106.0	2.0	2.4	2.4	2.4	2.2	2.2	2.8	2.4	2.4	2.6
G107.0	2.2	2.4	2.4	2.4	2.4	2.2	2.6	2.2	2.2	2.4
G108.0	2.2	2.2	2.4	2.0	2.2	2.0	2.8	2.8	2.2	2.2
G109.0	2.2	2.2	2.6	2.2	2.2	2.2	2.6	2.6	2.2	2.6
G110.0	2.0	2.4	2.4	2.4	2.4	2.0	2.8	2.6	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 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	2.2	2.4	2.6	2.4	2.4	2.6	2.8	2.6	2.4	2.6
G112.0	2.4	2.4	2.4	2.4	2.2	2.2	2.8	2.4	2.4	2.4
G113.0	2.4	2.4	2.6	2.6	2.2	2.4	2.6	2.6	2.0	2.4
G114.0	2.2	2.4	2.6	2.4	2.4	2.4	2.8	2.6	2.2	2.6
G115.0	2.2	2.4	2.8	2.4	2.4	2.4	3.0	2.6	2.2	2.4
G116.0	2.4	2.6	2.6	2.6	2.2	2.4	3.0	2.8	2.4	2.6
G117.0	2.6	2.4	2.6	2.4	2.6	2.6	3.0	2.8	2.4	2.8
G118.0	2.6	2.4	2.6	2.6	2.6	2.4	2.8	3.0	2.6	2.6
G119.0	2.6	2.6	2.6	2.8	2.6	2.4	3.3	2.6	2.6	3.0
G120.0	2.6	2.6	2.6	2.6	2.8	2.6	3.3	3.0	2.6	2.8
G121.0	2.8	3.0	2.8	2.8	2.8	2.6	3.3	2.8	2.8	3.3
G122.0	2.8	3.0	2.8	2.8	3.0	2.6	3.5	3.0	3.0	3.5
G123.0	2.8	3.0	3.3	2.8	3.3	2.8	3.7	3.0	3.3	3.5
G124.0	2.8	3.0	3.0	3.3	3.0	2.8	3.7	3.5	3.3	3.7
G125.0	3.3	3.5	3.3	2.8	3.5	3.0	4.1	3.5	3.5	3.5
G126.0	3.5	3.7	3.5	3.5	3.7	3.0	4.1	3.9	3.7	3.5
G127.0	3.5	3.5	3.7	3.5	3.7	3.0	4.1	4.1	3.7	3.9
G128.0	3.5	3.7	3.7	3.7	3.5	3.3	4.6	4.1	3.7	3.9
G129.0	3.3	3.7	3.9	3.7	3.5	3.5	4.8	4.3	3.9	4.1
G130.0	3.9	3.7	4.1	3.9	3.9	3.7	4.6	4.6	4.3	4.1
G131.0	3.9	4.1	4.1	3.9	3.9	4.1	5.0	4.3	4.6	4.6
G132.0	4.1	4.1	4.3	4.3	4.1	3.9	5.2	4.8	5.0	4.8
G133.0	4.3	4.3	4.8	4.6	4.1	4.3	5.2	5.0	5.0	4.8
G134.0	4.8	4.6	4.8	4.8	4.8	4.8	5.6	5.2	5.2	5.2
G135.0	4.8	4.8	4.8	5.2	4.8	5.0	5.9	5.6	5.6	5.6
G136.0	5.2	5.0	5.0	5.2	5.4	5.0	6.1	5.9	5.6	6.1
G137.0	5.6	5.4	5.6	5.4	5.6	5.2	6.7	6.3	5.9	6.3
G138.0	5.4	5.6	6.1	5.6	5.6	5.4	6.9	6.5	6.1	6.5
G139.0	5.9	6.1	6.1	6.3	6.1	5.9	7.2	6.9	6.7	6.7
G140.0	6.3	6.1	6.3	6.3	6.3	5.9	7.8	7.4	7.2	7.2
G141.0	6.9	6.5	6.9	6.9	6.9	6.3	8.0	7.8	7.8	7.4
G142.0	7.2	6.7	7.2	7.6	6.9	7.2	8.7	8.0	7.8	7.4
G143.0	7.2	7.4	7.8	7.6	7.4	7.4	8.9	8.7	8.5	8.3
G144.0	7.8	7.6	7.8	8.3	7.8	7.6	9.1	9.1	8.9	8.5
G145.0	8.0	8.3	8.3	8.5	8.3	7.8	9.3	9.3	9.6	8.9
G146.0	8.5	8.5	8.7	8.9	8.7	8.3	10.2	9.8	9.8	9.6
G147.0	9.3	8.9	9.3	9.3	8.9	8.9	10.6	10.4	10.4	10.2

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

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 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	6890.0	6879.2	7065.6							
G1.0	6831.2	6812.8	6972.0							
G2.0	6712.8	6680.2	6815.6							
G3.0	6543.3	6500.1	6626.0							
G4.0	6350.9	6292.3	6398.1							
G5.0	6110.9	6043.0	6137.8							
G6.0	5847.7	5780.4	5865.3							
G7.0	5567.4	5498.4	5582.8							
G8.0	5272.9	5208.7	5267.3							
G9.0	4958.5	4882.1	4942.3							
G10.0	4648.3	4556.9	4605.7							
G11.0	4326.0	4234.0	4256.6							
G12.0	4001.4	3923.8	3911.2							
G13.0	3688.1	3612.4	3595.5							
G14.0	3407.4	3331.2	3296.1							
G15.0	3144.8	3069.1	3031.6							
G16.0	2901.8	2833.7	2792.7							
G17.0	2680.7	2623.7	2577.4							
G18.0	2481.3	2421.2	2373.5							
G19.0	2288.2	2238.7	2189.3							
G20.0	2117.5	2067.8	2010.5							
G21.0	1958.4	1907.6	1849.3							
G22.0	1809.1	1763.6	1706.9							
G23.0	1676.8	1628.8	1577.6							
G24.0	1559.6	1515.1	1466.8							
G25.0	1444.2	1404.7	1362.6							
G26.0	1338.3	1302.5	1266.5							
G27.0	1239.4	1207.9	1180.1							
G28.0	1150.0	1121.3	1101.6							
G29.0	1066.2	1042.8	1031.3							
G30.0	995.3	964.9	943.4							
G31.0	894.4	862.3	839.3							
G32.0	790.2	752.5	728.0							
G33.0	673.1	637.3	612.3							
G34.0	563.3	525.3	499.3							
G35.0	451.7	417.2	386.6							
G36.0	342.8	312.4	285.8							

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 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	245.4	219.8	193.1							
G38.0	159.3	137.1	120.6							
G39.0	93.1	80.9	73.1							
G40.0	65.7	64.0	63.6							
G41.0	61.8	61.2	60.5							
G42.0	59.2	58.4	57.5							
G43.0	53.8	53.8	54.5							
G44.0	52.1	52.7	53.2							
G45.0	51.0	51.0	51.2							
G46.0	48.8	49.0	49.0							
G47.0	46.2	46.4	46.7							
G48.0	43.6	43.4	43.0							
G49.0	40.1	40.1	39.9							
G50.0	36.7	36.5	36.0							
G51.0	32.8	32.3	32.1							
G52.0	29.5	28.6	28.2							
G53.0	25.4	25.2	24.7							
G54.0	22.4	21.7	21.5							
G55.0	18.7	18.7	18.2							
G56.0	15.4	15.6	14.5							
G57.0	12.8	12.8	12.1							
G58.0	10.4	10.4	10.0							
G59.0	9.3	8.7	8.7							
G60.0	8.0	7.8	7.8							
G61.0	7.2	7.2	6.9							
G62.0	6.5	6.1	6.1							
G63.0	5.9	5.6	5.4							
G64.0	5.2	5.0	4.8							
G65.0	4.6	4.3	3.9							
G66.0	3.9	3.9	3.9							
G67.0	3.7	3.5	3.3							
G68.0	3.3	3.5	2.8							
G69.0	3.3	2.4	2.2							
G70.0	2.6	2.6	2.2							
G71.0	2.4	2.6	2.0							
G72.0	2.6	2.4	2.4							
G73.0	2.0	2.4	2.4							

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 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	2.4	2.2	2.4							
G75.0	2.2	2.6	2.0							
G76.0	2.4	2.4	2.2							
G77.0	2.2	2.6	2.4							
G78.0	2.4	2.2	2.4							
G79.0	2.4	2.2	2.2							
G80.0	2.0	2.4	2.2							
G81.0	2.2	2.2	2.4							
G82.0	2.0	2.4	2.4							
G83.0	2.0	2.2	2.4							
G84.0	2.2	2.4	2.4							
G85.0	2.0	2.4	2.4							
G86.0	2.2	2.4	2.4							
G87.0	2.0	2.4	2.2							
G88.0	2.0	2.6	2.4							
G89.0	2.2	2.4	2.2							
G90.0	2.4	2.2	2.2							
G91.0	2.0	2.4	2.2							
G92.0	2.4	2.4	2.2							
G93.0	2.0	2.4	2.4							
G94.0	2.2	2.2	2.2							
G95.0	2.4	2.2	2.4							
G96.0	2.2	2.4	2.2							
G97.0	2.2	2.2	2.2							
G98.0	2.2	2.0	2.2							
G99.0	2.4	2.4	2.4							
G100.0	2.2	2.2	2.4							
G101.0	2.4	2.2	2.2							
G102.0	2.2	2.4	2.4							
G103.0	2.4	2.2	2.2							
G104.0	2.2	2.2	2.2							
G105.0	2.4	2.4	2.2							
G106.0	2.4	2.4	2.0							
G107.0	2.4	2.4	2.2							
G108.0	2.6	2.4	2.2							
G109.0	2.4	2.2	2.2							
G110.0	2.4	2.4	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 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	2.6	2.2	2.2							
G112.0	2.6	2.4	2.4							
G113.0	2.6	2.2	2.4							
G114.0	2.4	2.4	2.2							
G115.0	2.6	2.8	2.2							
G116.0	2.4	2.6	2.4							
G117.0	2.6	2.6	2.6							
G118.0	2.8	2.6	2.6							
G119.0	3.0	2.6	2.6							
G120.0	3.0	3.0	2.6							
G121.0	3.0	3.0	2.8							
G122.0	3.3	3.0	2.8							
G123.0	3.0	3.0	2.8							
G124.0	3.5	3.7	2.8							
G125.0	3.7	3.7	3.3							
G126.0	3.7	3.5	3.5							
G127.0	3.7	3.9	3.5							
G128.0	4.3	3.9	3.5							
G129.0	4.1	4.3	3.3							
G130.0	4.1	4.1	3.9							
G131.0	4.3	4.6	3.9							
G132.0	4.6	4.8	4.1							
G133.0	5.0	5.0	4.3							
G134.0	5.2	5.2	4.8							
G135.0	5.2	5.4	4.8							
G136.0	5.9	5.6	5.2							
G137.0	6.1	6.1	5.6							
G138.0	6.5	6.5	5.4							
G139.0	6.7	6.9	5.9							
G140.0	6.9	7.2	6.3							
G141.0	7.6	7.8	6.9							
G142.0	7.8	8.3	7.2							
G143.0	8.0	8.3	7.2							
G144.0	8.5	9.1	7.8							
G145.0	9.3	9.3	8.0							
G146.0	9.8	10.2	8.5							
G147.0	10.0	10.4	9.3							

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 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	10.6	10.4	9.6							
G149.0	11.1	11.1	9.8							
G150.0	11.3	11.5	10.4							
G151.0	11.7	12.1	10.9							
G152.0	12.1	12.4	11.3							
G153.0	12.6	12.8	11.5							
G154.0	12.8	13.0	11.9							
G155.0	13.0	13.4	12.6							
G156.0	13.2	13.9	12.6							
G157.0	13.7	13.9	13.0							
G158.0	13.9	14.1	13.2							
G159.0	14.1	14.3	13.9							
G160.0	14.5	14.3	13.9							
G161.0	14.8	15.0	14.1							
G162.0	15.0	14.8	14.5							
G163.0	15.2	15.2	14.5							
G164.0	14.8	15.0	14.8							
G165.0	15.0	15.0	14.8							
G166.0	15.2	15.2	15.0							
G167.0	15.4	15.4	15.0							
G168.0	15.4	15.4	14.8							
G169.0	15.4	15.4	15.2							
G170.0	15.4	15.4	15.0							
G171.0	15.4	15.4	15.2							
G172.0	15.4	15.6	15.0							
G173.0	15.6	15.6	15.2							
G174.0	15.2	15.4	15.4							
G175.0	15.4	15.4	15.4							
G176.0	15.2	15.6	15.2							
G177.0	15.2	15.2	15.4							
G178.0	15.4	15.4	15.6							
G179.0	15.2	15.4	15.6							
G180.0	15.6	15.4	15.4							

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: