

Report No.:

Test Time: 2017-06-21 14:26

## Luminaire Property

Luminaire Manufacturer:

Luminaire Description: SH901

Lamp Description: SLM C 830 1202 L09 G1

Lumens per Lamp: 962.2

Luminous Width (mm): 45

Voltage: 219.7 V

Power: 9.14 W

Lamp Catalog: COB

Number of Lamps: 1

Luminous Length (mm): 45

Luminous Height (mm): 15

Current: 0.076 A

Power Factor: 0.544

## Photometric Results

CIE Class: Direct

Measurement Flux: 727.2 lm

Downward Ratio: 74.72%

Horizontal Diffuse Angle(50%): H19.9

Vertical Diffuse Angle(50%): V21.1

Luminaire Efficacy Rating (LER): 79.61

Max. Intensity: 2482.72 cd

S/MH(C0/C180): 0.34

Total Rated Lamp Lumens: 962.2 lm

Efficiency: 75.58%

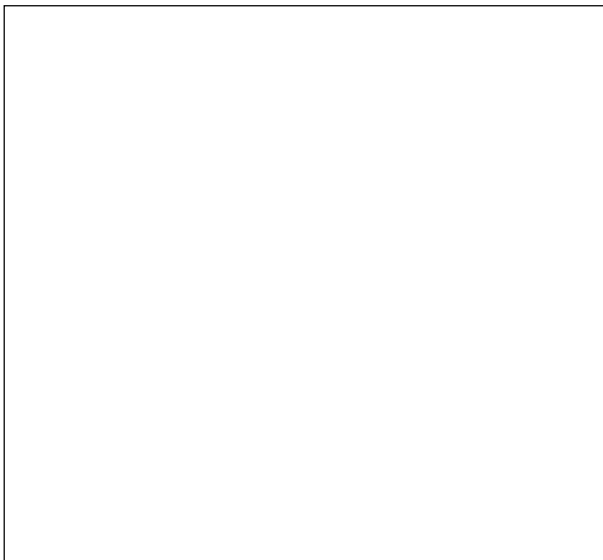
Upward Ratio: 0.86%

Central Intensity: 2423.73 cd

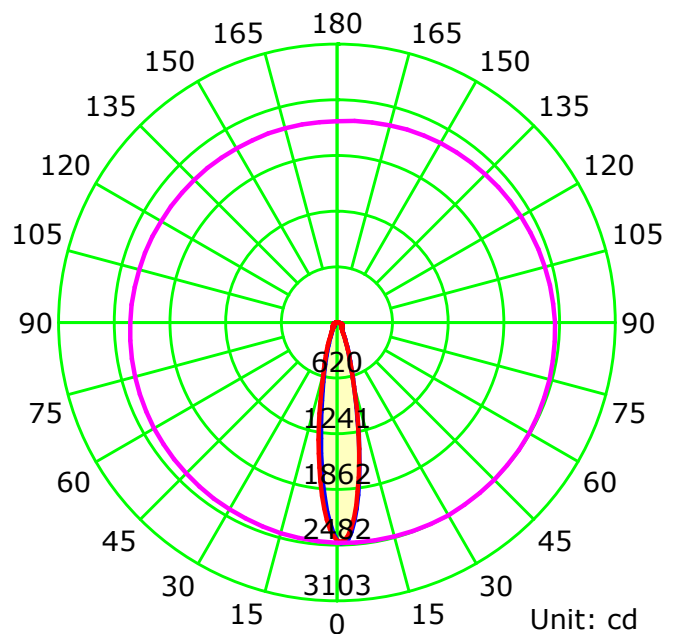
Pos of Max. Intensity: H30 V2

S/MH(C90/C270): 0.36

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

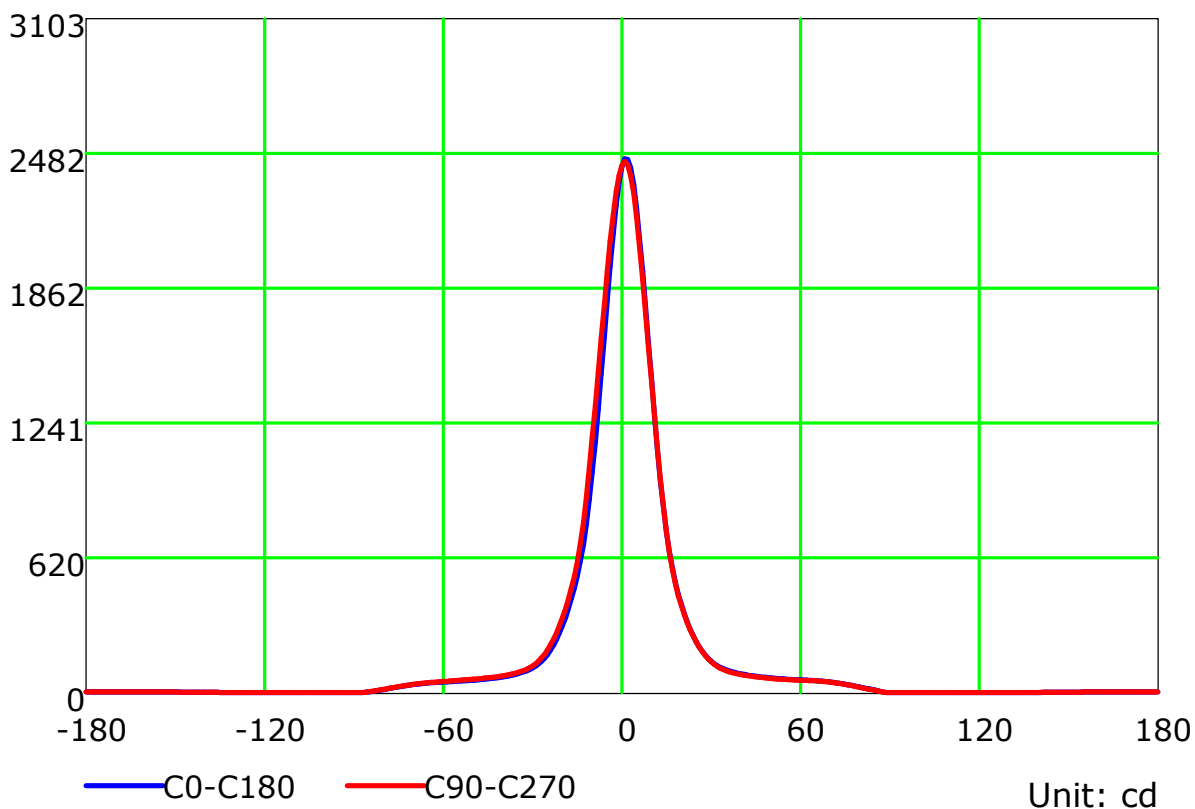
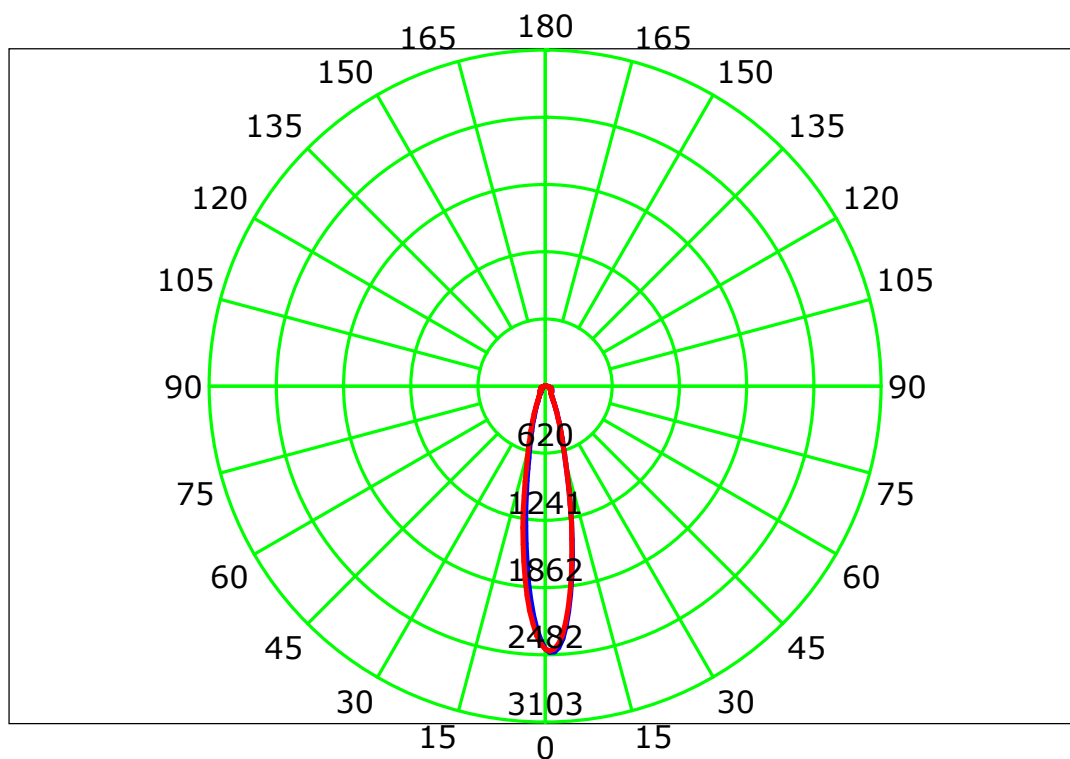
Test Device: GPM-1800B

Distance: 7.704 m

Humidity:

Inspector:

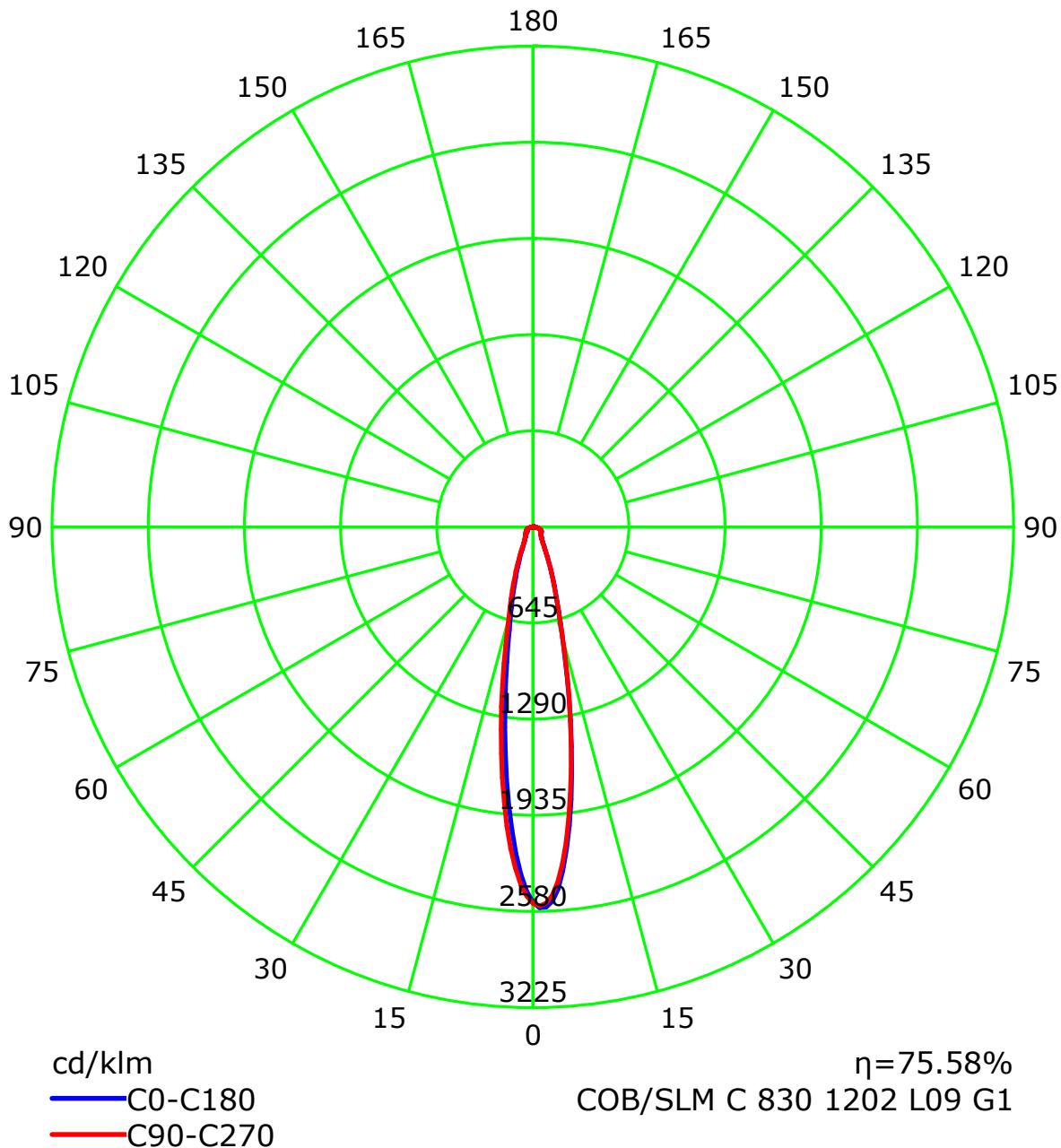
## Luminous Intensity Distribution Curve



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)



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:

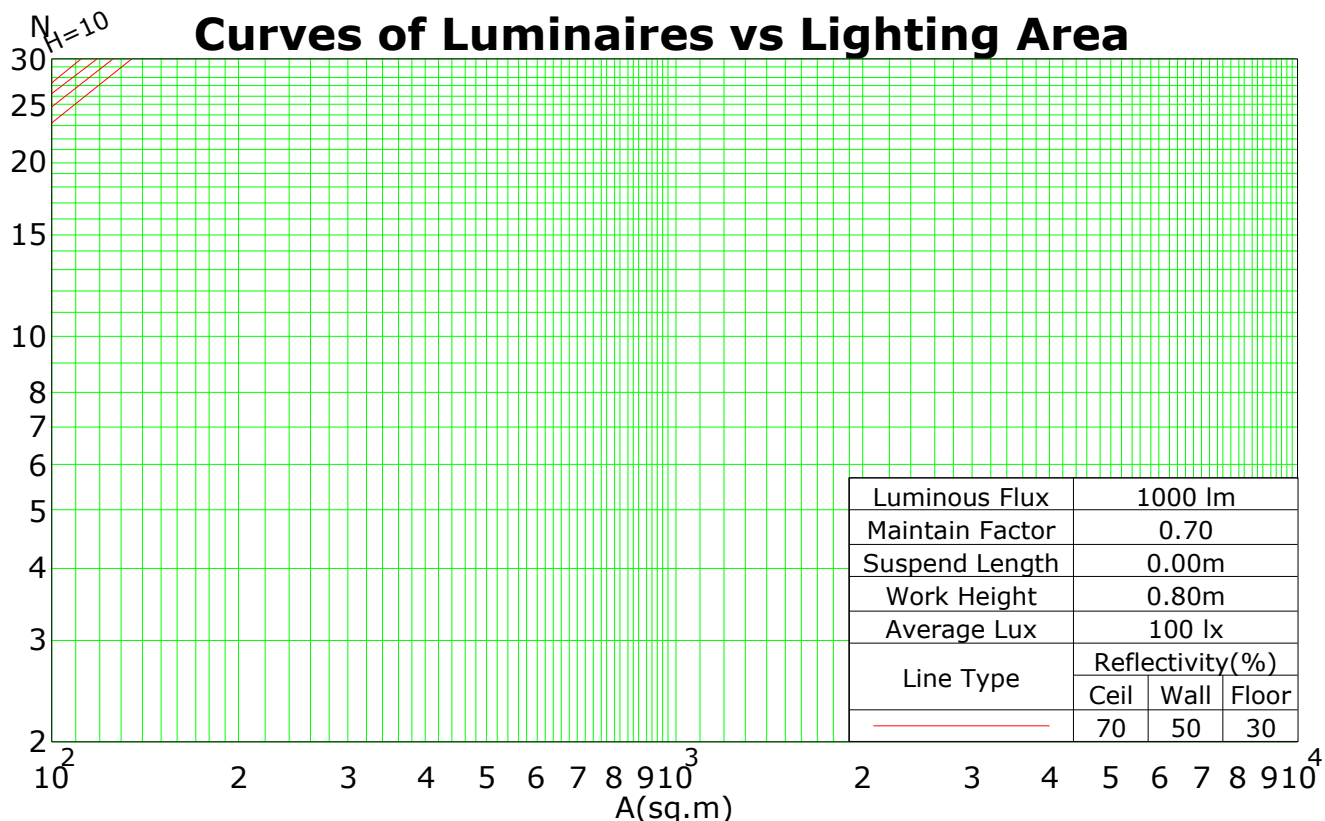
## Coefficients Of Utilization - Zonal Cavity Method

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	90	90	90	90	88	88	88	88	83	83	83	80	80	80	76	76	76	75
1	84	82	79	77	82	80	78	76	76	75	73	73	72	71	71	70	69	67
2	79	74	71	68	77	73	70	67	70	68	65	68	66	64	66	64	62	61
3	75	69	64	61	73	68	63	60	65	62	59	63	60	58	62	59	57	56
4	71	64	59	56	69	63	59	55	61	57	54	60	56	54	58	55	53	52
5	67	60	55	52	66	59	55	51	58	54	51	56	53	50	55	52	50	48
6	64	57	52	48	63	56	51	48	55	51	48	54	50	47	52	49	47	46
7	61	54	49	46	60	53	49	45	52	48	45	51	48	45	50	47	45	43
8	59	51	47	43	58	51	46	43	50	46	43	49	45	43	48	45	43	41
9	56	49	44	41	56	49	44	41	48	44	41	47	44	41	46	43	41	40
10	54	47	43	40	54	47	42	40	46	42	40	45	42	39	45	42	39	38

Spacing Criteria (0-180): 0.34

Spacing Criteria (90-270): 0.36

Spacing Criteria (Diagonal): 0.37



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

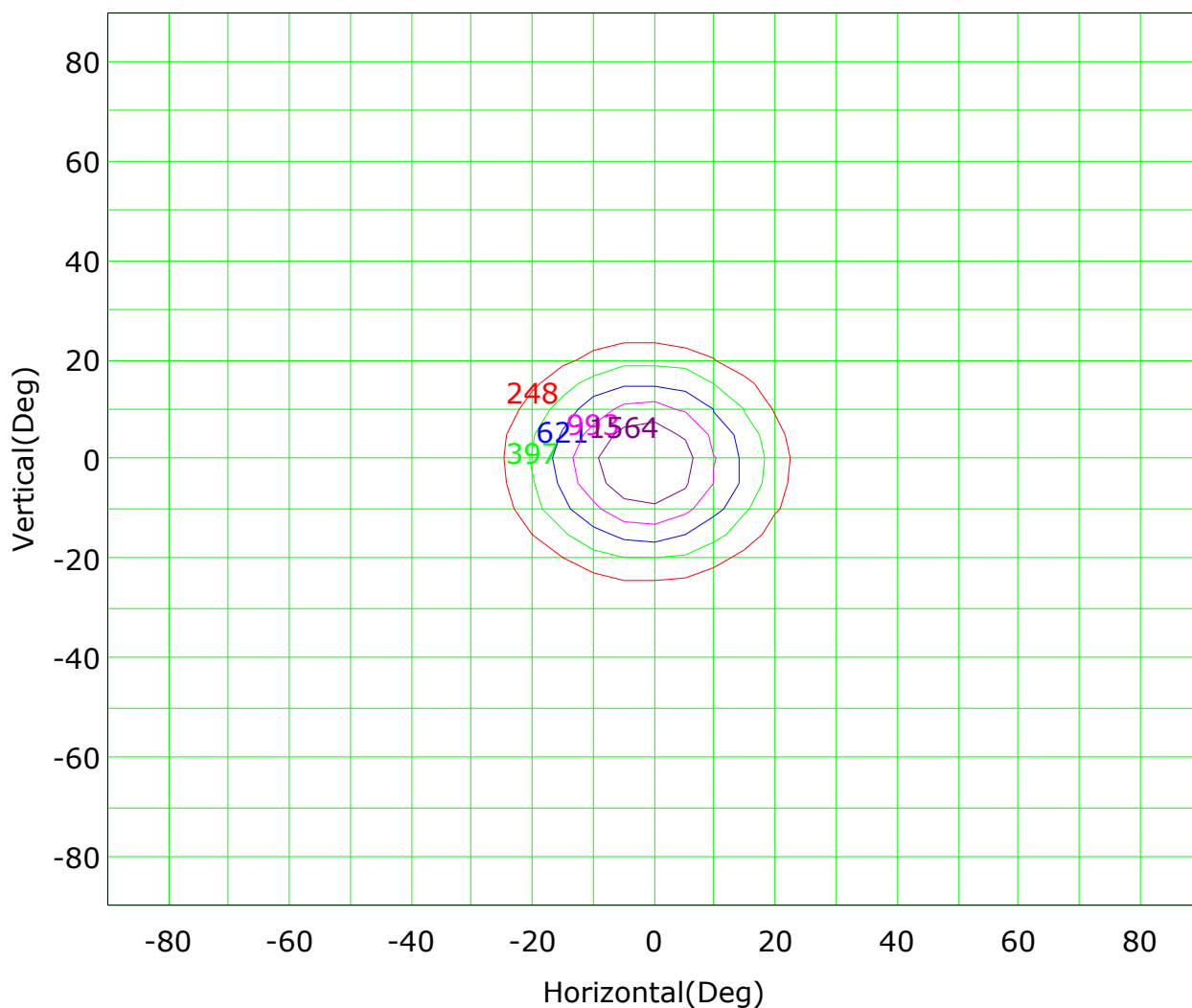
Test Device: GPM-1800B

Distance: 7.704 m

Humidity:

Inspector:

## Isocandela (rectangle)



Imax (100%): 2483 cd

( 10%): 248 cd	( 16%): 397 cd
( 25%): 621 cd	( 40%): 993 cd
( 63%): 1564 cd	(100%): 2483 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

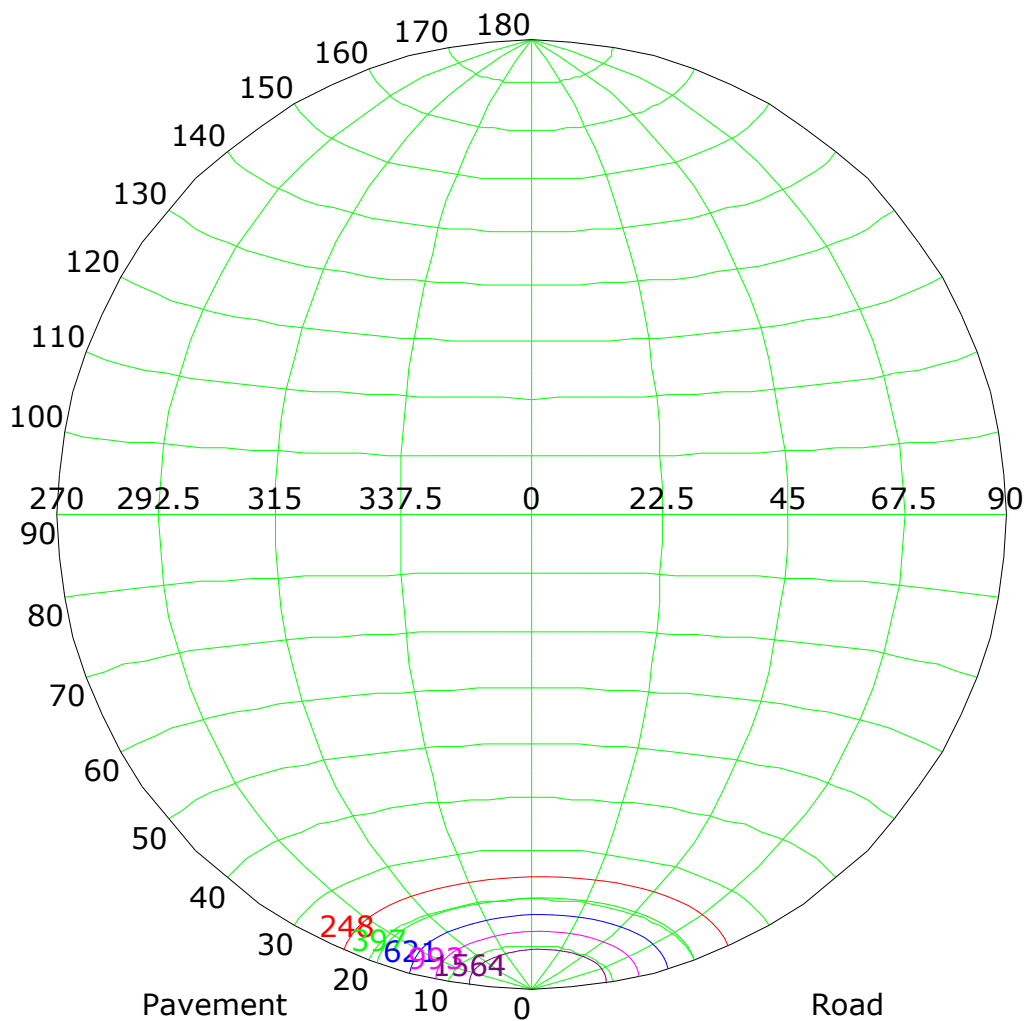
Test Device: GPM-1800B

Distance: 7.704 m

Humidity:

Inspector:

## Isocandela (sphere)



Imax (100%): 2483 cd

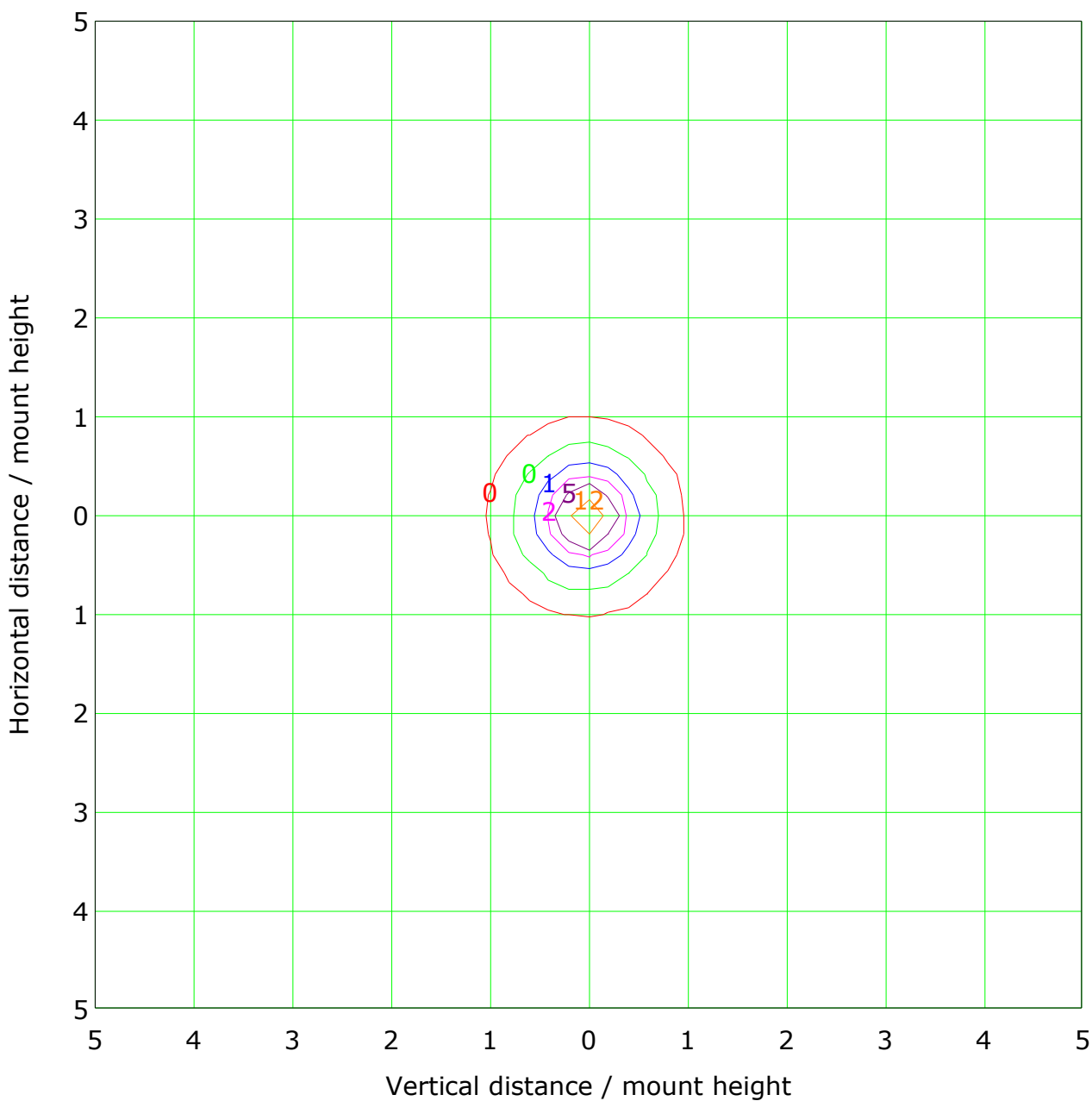
( 10%): 248 cd  
( 25%): 621 cd  
( 63%): 1564 cd

( 16%): 397 cd  
( 40%): 993 cd  
(100%): 2483 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%): 24.8 lx

( 1%): 0.2 lx	( 2%): 0.5 lx
( 5%): 1.2 lx	( 10%): 2.5 lx
( 20%): 5.0 lx	( 50%): 12.4 lx
(100%): 24.8 lx	

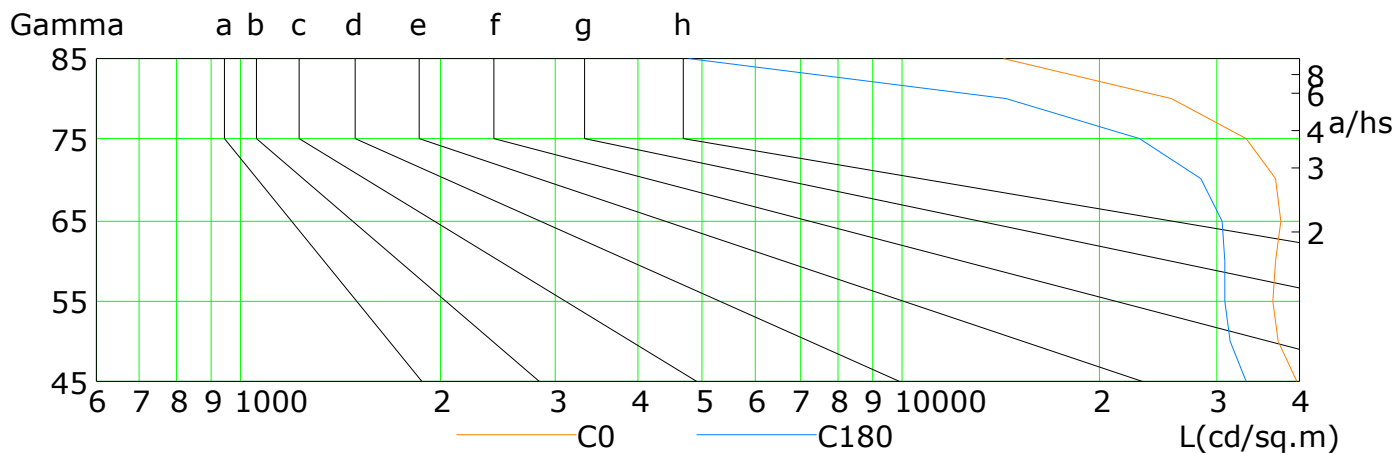
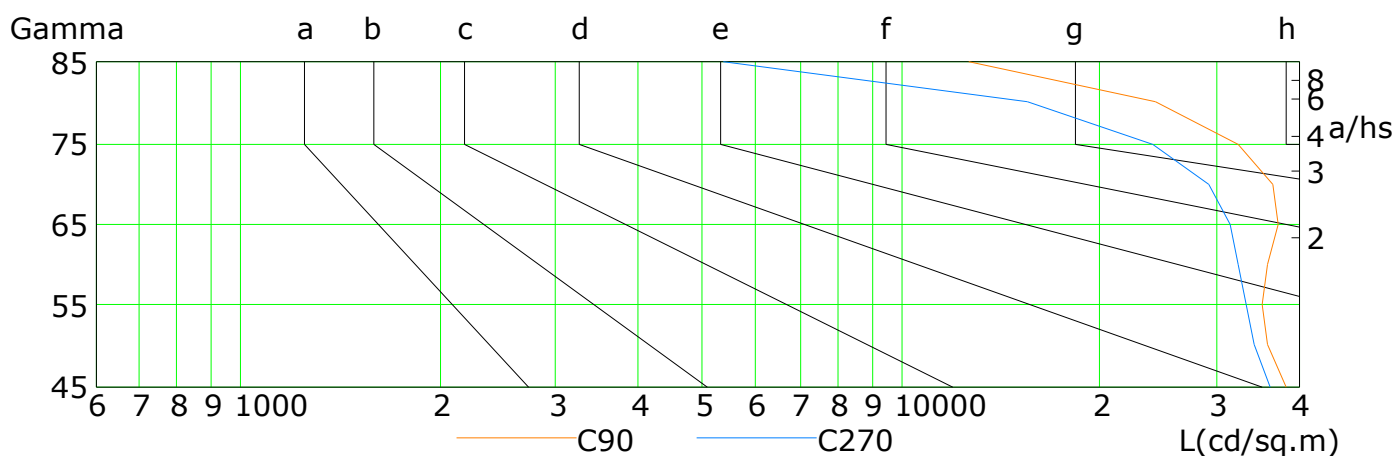
C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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	39650	37356	36578	36993	37668	36891	33296	25571	14218
C90	38283	36009	35295	35878	37266	36635	32437	24243	12628
C180	33375	31599	31013	30863	30534	28367	23034	14443	4771
C270	36246	34106	33177	32341	31399	29068	23969	15526	5372

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

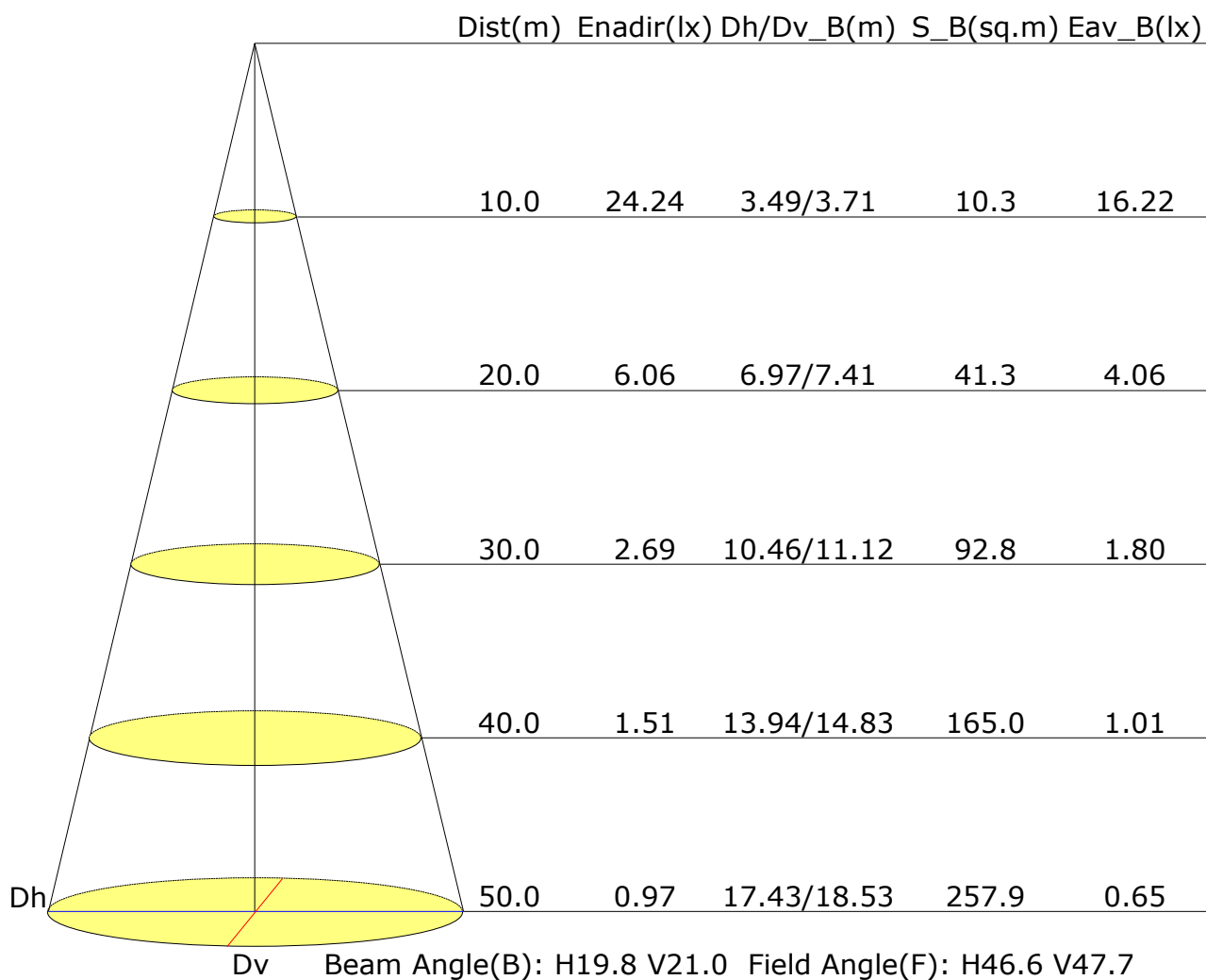
Test Device: GPM-1800B

Distance: 7.704 m

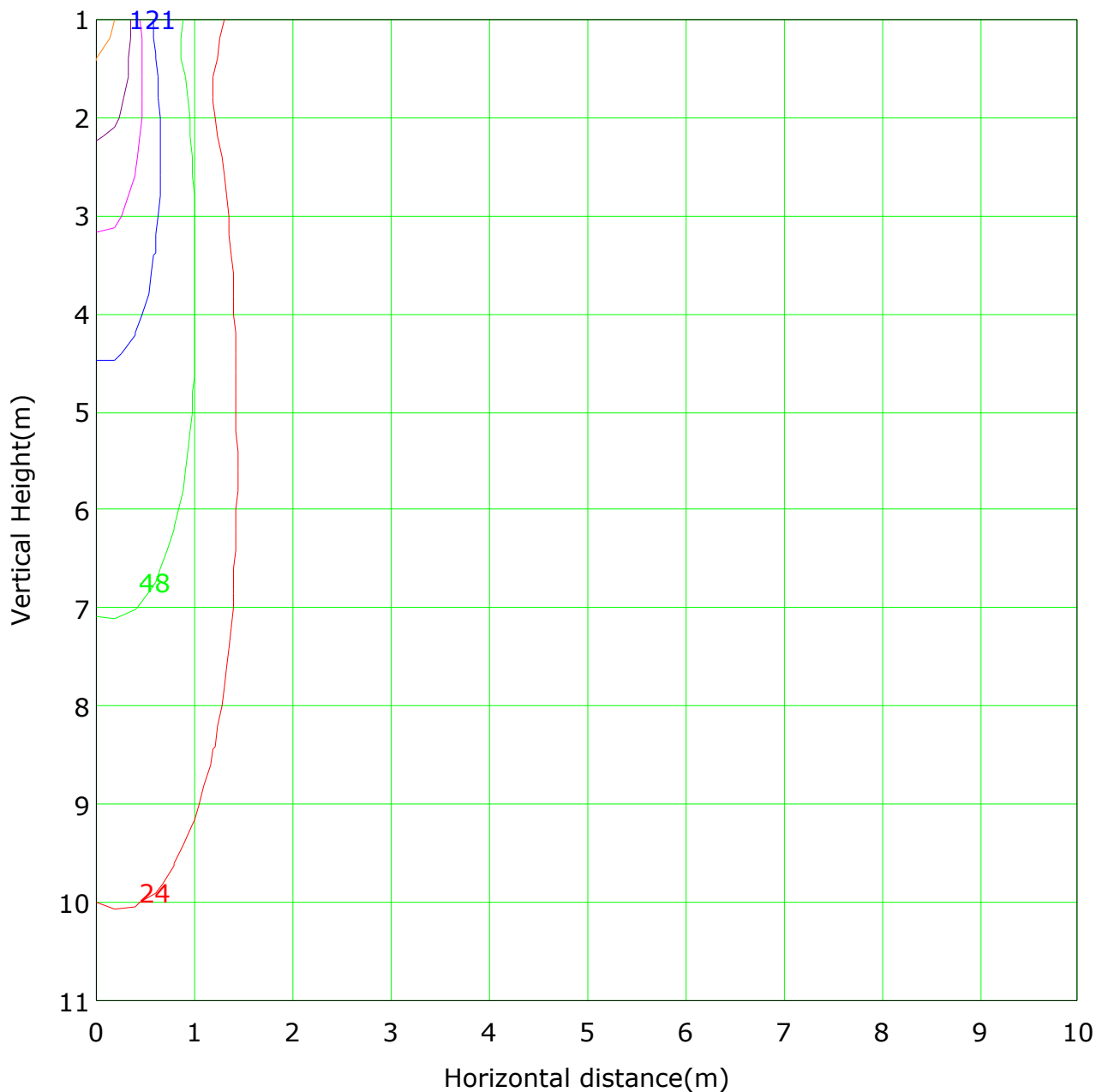
Humidity:

Inspector:

## Illuminance at a Distance



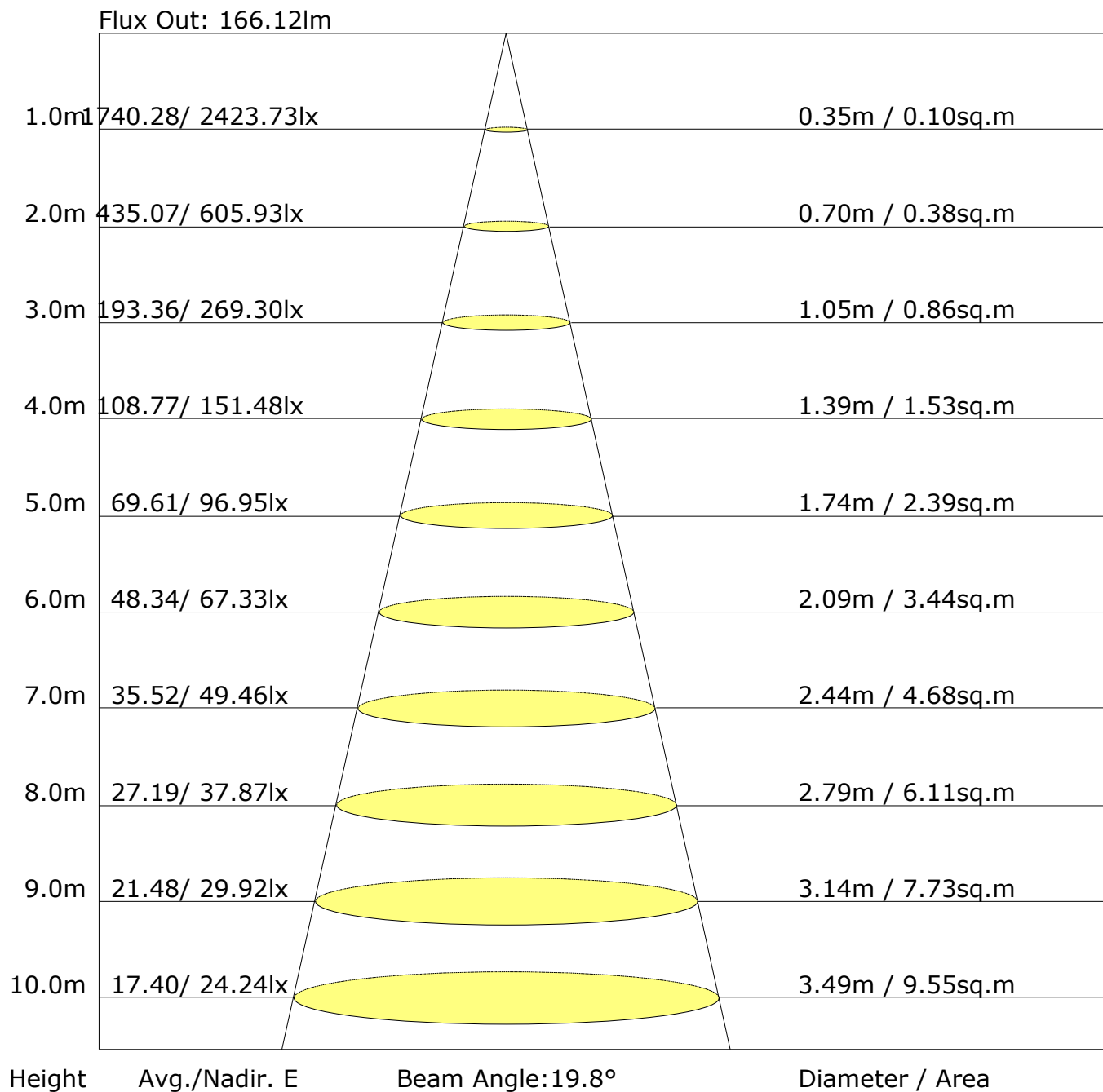
## Vertical IsoLux Plot



Lowest(m): 1.0m   Highest(m): 11.0m   Max Lux: 2423.7 lx  
— ( 1%): 24.2 lx   — ( 2%): 48.5 lx  
— ( 5%): 121.2 lx   — ( 10%): 242.4 lx  
— ( 20%): 484.7 lx   — ( 50%): 1211.9 lx  
— (100%): 2423.7 lx

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

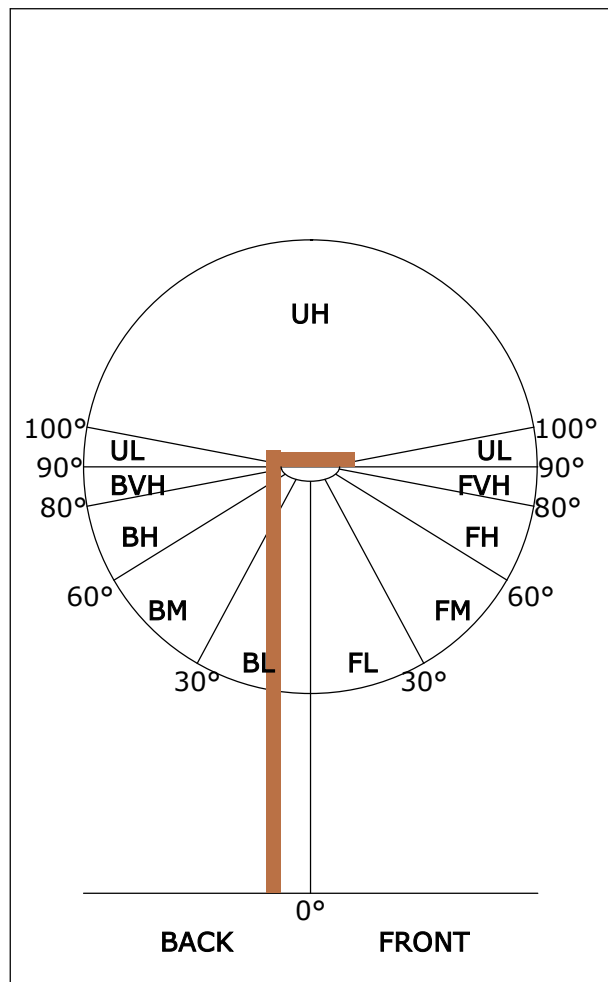
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	22.7	23.6	23.0	23.9	24.1	22.4	23.3	22.7	23.6	23.8
3H	24.8	25.7	25.1	26.0	26.2	24.4	25.3	24.7	25.5	25.8
4H	25.7	26.5	26.0	26.8	27.1	25.2	26.0	25.5	26.3	26.6
6H	26.3	27.1	26.7	27.4	27.8	25.7	26.5	26.1	26.8	27.1
8H	26.5	27.3	26.9	27.6	27.9	25.8	26.6	26.2	26.9	27.2
12H	26.6	27.3	27.0	27.7	28.0	25.9	26.6	26.2	26.9	27.3
X=4H Y=2H	23.4	24.3	23.8	24.6	24.9	23.2	24.0	23.5	24.3	24.6
3H	25.7	26.4	26.1	26.8	27.1	25.4	26.1	25.7	26.4	26.8
4H	26.7	27.4	27.1	27.7	28.1	26.3	26.9	26.7	27.3	27.7
6H	27.4	28.0	27.9	28.4	28.8	26.9	27.5	27.3	27.9	28.3
8H	27.6	28.2	28.1	28.6	29.0	27.0	27.6	27.5	28.0	28.4
12H	27.8	28.3	28.2	28.7	29.1	27.1	27.6	27.6	28.0	28.5
X=8H Y=4H	27.0	27.5	27.5	28.0	28.4	26.6	27.2	27.1	27.6	28.0
6H	27.8	28.3	28.3	28.7	29.2	27.3	27.8	27.8	28.2	28.7
8H	28.1	28.5	28.6	29.0	29.5	27.6	27.9	28.0	28.4	28.9
12H	28.3	28.6	28.8	29.1	29.6	27.7	28.0	28.2	28.5	29.0
X=12H Y=4H	27.0	27.5	27.5	27.9	28.4	26.6	27.1	27.1	27.6	28.0
6H	27.9	28.3	28.4	28.7	29.2	27.4	27.8	27.9	28.3	28.8
8H	28.2	28.5	28.7	29.0	29.5	27.6	28.0	28.1	28.5	29.0
Variations with the observer position at spacings:										
S=1.0H	+0.2/-0.1					+0.2/-0.2				
S=1.5H	+0.2/-0.3					+0.3/-0.4				
S=2.0H	+0.4/-0.5					+0.4/-0.7				

Calculate in accordance with CIE Pub.117. The table is revised with  $962lm$  ( $8\log(F/F_0) = -0.1$ ).

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:

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



ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	378	39.3
FL ( 0°-30°)	241	25.0
FM (30°-60°)	87	9.1
FH (60°-80°)	44	4.6
FVH (80°-90°)	5	0.6
BACK LIGHT	341	35.5
BL ( 0°-30°)	216	22.5
BM (30°-60°)	82	8.6
BH (60°-80°)	39	4.1
BVH (80°-90°)	4	0.4
UP LIGHT	8	0.9
UL (90°-100°)	1	0.1
UH (100°-180°)	8	0.8
TRAPPED LIGHT	235	24.4

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U1 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U1 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	2423.7	2430.3	2430.6	2429.3	2429.0	2430.6	2423.7	2430.3	2430.6	2429.3
G1.0	2458.5	2474.9	2469.7	2447.3	2417.8	2390.8	2351.4	2351.7	2361.6	2381.6
G2.0	2456.1	2482.7	2473.9	2430.5	2368.4	2311.4	2245.0	2242.9	2264.5	2306.5
G3.0	2418.5	2454.7	2443.1	2381.1	2289.9	2207.4	2114.2	2110.2	2144.1	2201.2
G4.0	2340.4	2385.8	2377.1	2299.2	2181.8	2076.0	1962.5	1958.5	2003.5	2079.0
G5.0	2226.9	2280.9	2275.3	2185.9	2049.2	1925.1	1805.1	1797.6	1850.3	1938.6
G6.0	2090.3	2149.4	2147.9	2051.4	1901.6	1765.2	1635.9	1631.1	1688.2	1784.9
G7.0	1938.8	1997.8	1998.3	1899.6	1748.5	1601.1	1467.5	1462.5	1526.9	1629.8
G8.0	1774.9	1834.2	1839.8	1743.3	1591.6	1435.6	1305.9	1297.6	1367.5	1474.5
G9.0	1606.5	1664.8	1675.7	1585.0	1430.2	1275.8	1153.7	1142.0	1211.3	1323.7
G10.0	1437.8	1494.6	1511.0	1425.9	1272.2	1125.8	1014.8	1003.1	1065.9	1176.2
G11.0	1272.2	1324.7	1344.5	1270.9	1120.3	985.7	889.4	875.3	931.0	1034.4
G12.0	1114.5	1161.4	1186.4	1122.9	978.9	858.1	777.2	764.9	811.7	901.6
G13.0	975.6	1017.0	1039.7	983.7	855.3	752.7	682.1	670.7	708.9	785.7
G14.0	849.3	882.7	901.7	853.2	746.2	661.3	606.1	595.9	626.5	685.6
G15.0	739.3	768.8	782.7	741.3	652.3	586.0	541.0	531.0	555.7	605.4
G16.0	651.1	671.1	679.6	645.9	578.9	524.3	485.0	476.5	496.8	539.5
G17.0	573.2	591.1	593.0	566.0	514.2	469.5	434.5	427.9	444.8	482.3
G18.0	507.7	521.9	522.1	500.1	459.3	420.8	387.8	382.6	399.1	432.3
G19.0	453.8	465.0	462.8	446.4	411.9	377.8	346.4	342.5	358.2	387.3
G20.0	406.7	416.6	413.7	400.2	369.6	339.4	309.0	305.8	321.2	345.9
G21.0	362.9	373.5	371.8	358.9	331.5	303.6	276.1	272.9	287.7	310.4
G22.0	325.6	336.0	335.5	322.6	299.0	272.8	246.7	243.8	256.9	277.0
G23.0	292.4	302.2	302.1	289.6	268.6	244.0	219.9	217.1	229.6	247.9
G24.0	262.0	272.3	271.5	259.5	240.9	218.1	196.3	193.8	205.8	222.6
G25.0	235.8	244.9	245.0	233.5	217.1	195.8	176.4	174.3	184.5	198.7
G26.0	212.3	220.6	221.3	210.6	195.6	176.0	159.5	157.2	165.9	178.2
G27.0	191.5	199.2	199.9	190.0	175.9	159.5	144.9	142.9	150.0	161.3
G28.0	173.3	180.4	180.4	171.1	159.5	145.2	133.0	131.2	136.8	146.0
G29.0	158.1	164.1	164.0	155.5	145.6	133.3	122.7	121.6	126.3	133.5
G30.0	145.2	150.3	150.0	141.9	133.3	123.4	114.4	113.8	117.7	123.2
G31.0	133.9	138.4	137.7	130.3	123.2	115.2	107.3	106.8	110.5	115.1
G32.0	124.7	128.9	127.9	121.0	115.3	108.4	101.4	101.1	104.1	108.1
G33.0	117.1	120.4	119.8	113.3	108.3	102.5	96.3	96.0	98.9	102.3
G34.0	110.6	113.8	112.9	106.8	102.4	97.5	91.6	91.5	94.2	97.5
G35.0	105.2	108.1	107.3	101.4	97.4	92.9	87.5	87.4	90.1	93.1
G36.0	100.6	103.3	102.3	96.6	93.0	88.8	83.9	83.9	86.5	89.2

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 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	96.6	98.9	98.2	92.7	89.2	85.2	80.8	80.8	83.4	85.9
G38.0	92.9	95.0	94.4	89.1	85.9	81.9	77.7	78.0	80.4	82.8
G39.0	89.6	91.7	91.3	86.3	83.0	79.1	75.0	75.5	77.9	79.9
G40.0	86.7	88.6	88.3	83.5	80.4	76.5	72.8	73.3	75.5	77.6
G41.0	84.1	85.8	85.8	81.0	78.1	74.1	70.6	71.1	73.4	75.4
G42.0	81.8	83.4	83.3	78.8	75.9	72.0	68.7	69.1	71.5	73.3
G43.0	79.5	81.1	81.1	76.7	73.8	70.3	66.9	67.3	69.5	71.6
G44.0	77.5	79.1	79.0	74.9	72.0	68.6	65.2	65.7	67.8	70.2
G45.0	75.7	77.1	77.1	73.1	70.3	67.1	63.7	64.1	66.1	69.2
G46.0	73.9	75.4	75.1	71.5	68.6	65.6	62.2	62.8	64.8	67.8
G47.0	72.2	73.6	73.4	69.8	67.0	63.9	60.9	61.4	63.5	66.1
G48.0	70.8	71.9	71.6	68.2	65.6	62.4	59.7	60.3	62.1	64.4
G49.0	69.4	70.3	69.9	66.7	64.3	61.2	58.6	59.1	60.9	63.2
G50.0	67.9	68.8	68.3	65.5	63.0	60.0	57.5	58.0	59.8	62.0
G51.0	66.7	67.5	66.8	64.2	61.9	58.9	56.5	57.1	58.9	60.7
G52.0	65.5	66.3	65.4	63.2	60.7	58.0	55.6	56.3	58.1	59.8
G53.0	64.6	65.2	64.1	62.2	59.8	57.0	54.8	55.4	57.3	59.0
G54.0	63.6	64.1	63.1	61.3	58.9	56.1	54.0	54.4	56.4	57.9
G55.0	62.7	63.1	62.2	60.5	58.1	55.4	53.2	53.5	55.4	56.9
G56.0	61.9	62.3	61.4	59.7	57.2	54.3	52.3	52.6	54.3	55.9
G57.0	61.0	61.5	60.7	59.1	56.5	53.4	51.6	51.6	53.4	54.6
G58.0	60.3	60.8	60.0	58.5	55.8	52.7	50.8	50.6	52.5	53.6
G59.0	59.7	60.1	59.3	57.9	55.0	51.8	50.0	49.7	51.4	52.6
G60.0	59.1	59.5	58.7	57.3	54.4	51.1	49.3	48.9	50.4	51.7
G61.0	58.3	58.7	58.2	56.9	53.8	50.5	48.5	48.0	49.4	50.6
G62.0	57.6	58.2	57.6	56.5	53.1	49.7	47.8	47.1	48.4	49.7
G63.0	56.9	57.4	57.0	55.9	52.4	48.9	46.9	46.0	47.3	48.6
G64.0	56.1	56.5	56.4	55.4	51.7	47.8	45.9	44.8	46.2	47.3
G65.0	55.3	55.8	55.6	54.7	50.7	46.8	44.8	43.6	45.0	46.1
G66.0	54.3	54.8	54.9	53.8	49.9	45.7	43.6	42.5	43.7	44.9
G67.0	53.3	53.7	53.9	52.8	48.7	44.4	42.3	41.0	42.4	43.5
G68.0	52.0	52.5	52.8	51.6	47.4	43.0	40.9	39.5	40.8	41.9
G69.0	50.5	51.1	51.4	50.2	45.9	41.5	39.3	37.9	39.2	40.3
G70.0	49.0	49.5	50.0	48.6	44.3	39.8	37.6	36.0	37.5	38.6
G71.0	47.3	47.9	48.3	46.9	42.5	38.1	35.8	34.2	35.5	36.7
G72.0	45.6	46.1	46.4	44.9	40.4	36.1	33.8	32.2	33.5	34.8
G73.0	43.5	44.1	44.5	42.9	38.4	34.1	31.6	30.1	31.3	32.7

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 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	41.4	42.0	42.4	40.6	36.2	31.9	29.5	27.9	29.0	30.5
G75.0	39.2	39.7	40.1	38.2	33.9	29.6	27.1	25.6	26.7	28.2
G76.0	36.7	37.3	37.7	35.6	31.5	27.2	24.6	23.2	24.2	25.7
G77.0	34.3	34.9	35.3	33.0	29.0	24.8	22.3	20.9	21.9	23.2
G78.0	31.6	32.2	32.6	30.3	26.3	22.2	19.8	18.5	19.3	20.9
G79.0	28.9	29.5	29.9	27.4	23.6	19.8	17.2	16.1	16.9	18.3
G80.0	26.0	26.8	27.1	24.6	20.9	17.1	14.7	13.7	14.4	15.8
G81.0	23.2	24.0	24.1	21.8	18.2	14.7	12.4	11.5	12.0	13.3
G82.0	20.4	21.3	21.3	18.9	15.5	12.1	10.0	9.3	9.8	11.0
G83.0	17.7	18.5	18.4	16.1	13.0	9.8	7.8	7.3	7.5	8.7
G84.0	14.9	15.7	15.6	13.4	10.5	7.7	5.8	5.2	5.5	6.6
G85.0	12.1	13.1	12.8	10.7	8.1	5.7	4.1	3.4	3.5	4.6
G86.0	9.3	10.3	10.0	8.2	5.9	3.9	1.9	1.4	1.4	1.9
G87.0	5.5	6.8	6.7	5.3	3.4	1.7	0.8	0.8	0.8	0.8
G88.0	2.3	2.9	2.7	2.1	1.3	0.8	0.6	0.7	0.7	0.7
G89.0	0.9	1.1	1.0	0.8	0.7	0.6	0.6	0.7	0.7	0.7
G90.0	0.7	0.8	0.7	0.6	0.7	0.6	0.7	0.7	0.7	0.7
G91.0	0.7	0.7	0.6	0.6	0.7	0.6	0.7	0.7	0.7	0.7
G92.0	0.6	0.7	0.6	0.6	0.6	0.8	0.7	0.7	0.6	0.7
G93.0	0.6	0.7	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7
G94.0	0.7	0.6	0.6	0.6	0.7	0.6	0.7	0.8	0.7	0.7
G95.0	0.7	0.7	0.7	0.7	0.7	0.6	0.7	0.7	0.7	0.7
G96.0	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7
G97.0	0.7	0.7	0.6	0.6	0.7	0.7	0.7	0.8	0.7	0.7
G98.0	0.7	0.7	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.7
G99.0	0.7	0.8	0.7	0.7	0.7	0.7	0.7	0.8	0.7	0.7
G100.0	0.7	0.7	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7
G101.0	0.7	0.7	0.7	0.6	0.7	0.7	0.7	0.8	0.7	0.7
G102.0	0.7	0.7	0.6	0.7	0.8	0.7	0.8	0.8	0.8	0.8
G103.0	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.7	0.8
G104.0	0.7	0.7	0.7	0.7	0.8	0.7	0.8	0.8	0.8	0.8
G105.0	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8
G106.0	0.7	0.8	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8
G107.0	0.7	0.8	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8
G108.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
G109.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
G110.0	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8

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 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	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
G112.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
G113.0	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
G114.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
G115.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
G116.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.8	0.8
G117.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
G118.0	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.8
G119.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.8
G120.0	0.8	0.8	0.8	0.8	0.9	0.8	0.9	0.9	0.9	0.9
G121.0	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9
G122.0	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9
G123.0	0.8	0.8	0.8	0.8	0.8	0.8	1.0	1.0	0.9	0.9
G124.0	0.8	0.9	0.8	0.8	0.8	0.9	1.0	1.0	1.0	1.0
G125.0	0.8	0.9	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.0
G126.0	0.9	0.9	0.9	0.8	0.9	0.9	1.0	1.0	1.0	1.0
G127.0	0.9	0.8	0.9	0.9	0.9	0.9	1.1	1.1	1.1	1.0
G128.0	0.9	0.9	0.9	0.9	0.9	1.0	1.1	1.1	1.1	1.1
G129.0	0.9	0.9	0.9	0.9	1.0	1.0	1.2	1.2	1.1	1.1
G130.0	1.0	0.9	1.0	1.0	1.0	1.0	1.2	1.2	1.2	1.2
G131.0	1.0	0.9	1.0	1.0	1.1	1.1	1.2	1.2	1.1	1.2
G132.0	1.0	1.0	1.0	1.0	1.1	1.1	1.3	1.3	1.3	1.2
G133.0	1.1	1.0	1.1	1.1	1.1	1.2	1.3	1.4	1.4	1.3
G134.0	1.1	1.1	1.1	1.1	1.1	1.2	1.4	1.4	1.4	1.4
G135.0	1.1	1.1	1.1	1.1	1.2	1.3	1.4	1.4	1.4	1.4
G136.0	1.1	1.2	1.2	1.2	1.3	1.3	1.5	1.5	1.5	1.5
G137.0	1.3	1.2	1.2	1.2	1.3	1.4	1.7	1.6	1.6	1.5
G138.0	1.3	1.3	1.3	1.3	1.2	1.4	1.7	1.7	1.7	1.6
G139.0	1.4	1.3	1.4	1.4	1.4	1.4	1.8	1.8	1.9	1.8
G140.0	1.4	1.4	1.4	1.4	1.4	1.5	1.9	1.9	1.9	1.9
G141.0	1.4	1.4	1.4	1.5	1.6	1.5	2.0	2.0	1.9	1.9
G142.0	1.5	1.4	1.5	1.5	1.6	1.6	2.1	2.1	2.1	2.0
G143.0	1.6	1.6	1.6	1.7	1.7	1.8	2.3	2.3	2.2	2.2
G144.0	1.7	1.7	1.7	1.8	1.9	1.9	2.4	2.4	2.4	2.4
G145.0	1.8	1.8	1.8	1.9	1.9	1.9	2.5	2.5	2.5	2.5
G146.0	1.9	1.9	1.9	1.9	2.0	2.1	2.7	2.7	2.6	2.5
G147.0	2.0	2.0	1.9	2.0	2.2	2.2	2.8	2.8	2.7	2.7

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	2.1	2.1	2.1	2.2	2.3	2.4	2.8	3.0	2.9	2.8
G149.0	2.2	2.2	2.3	2.3	2.5	2.5	3.0	3.0	3.0	2.9
G150.0	2.4	2.4	2.4	2.5	2.5	2.6	3.1	3.2	3.0	3.0
G151.0	2.5	2.5	2.5	2.5	2.6	2.7	3.2	3.3	3.2	3.1
G152.0	2.6	2.6	2.6	2.7	2.8	2.9	3.3	3.3	3.3	3.2
G153.0	2.8	2.7	2.8	2.8	2.9	3.0	3.5	3.5	3.3	3.3
G154.0	2.9	2.8	2.9	2.9	3.0	3.0	3.5	3.5	3.5	3.4
G155.0	3.0	3.0	3.0	3.0	3.0	3.1	3.5	3.5	3.5	3.5
G156.0	3.1	3.0	3.0	3.1	3.2	3.2	3.6	3.6	3.5	3.5
G157.0	3.2	3.2	3.1	3.2	3.3	3.3	3.6	3.6	3.6	3.5
G158.0	3.3	3.2	3.3	3.3	3.4	3.4	3.6	3.6	3.6	3.6
G159.0	3.4	3.3	3.3	3.3	3.4	3.4	3.7	3.7	3.6	3.6
G160.0	3.4	3.4	3.4	3.4	3.5	3.5	3.7	3.7	3.6	3.6
G161.0	3.5	3.5	3.5	3.5	3.5	3.5	3.7	3.7	3.6	3.7
G162.0	3.5	3.5	3.5	3.5	3.5	3.5	3.7	3.7	3.6	3.6
G163.0	3.5	3.5	3.5	3.5	3.5	3.5	3.7	3.7	3.6	3.7
G164.0	3.6	3.5	3.5	3.5	3.5	3.5	3.6	3.6	3.6	3.6
G165.0	3.5	3.5	3.5	3.5	3.5	3.5	3.6	3.6	3.6	3.6
G166.0	3.5	3.6	3.5	3.5	3.5	3.5	3.6	3.6	3.6	3.6
G167.0	3.5	3.5	3.5	3.5	3.5	3.5	3.6	3.5	3.5	3.5
G168.0	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
G169.0	3.5	3.5	3.5	3.5	3.5	3.4	3.5	3.5	3.5	3.5
G170.0	3.5	3.5	3.5	3.4	3.4	3.4	3.5	3.4	3.4	3.5
G171.0	3.5	3.5	3.5	3.4	3.4	3.3	3.4	3.4	3.4	3.4
G172.0	3.4	3.5	3.4	3.4	3.4	3.3	3.4	3.3	3.3	3.3
G173.0	3.4	3.4	3.4	3.3	3.1	3.3	3.3	3.3	3.2	3.3
G174.0	3.3	3.4	3.3	3.3	3.2	3.2	3.3	3.2	3.3	3.3
G175.0	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.3	3.1
G176.0	3.2	3.3	3.3	3.2	3.2	3.1	3.2	3.1	3.2	3.2
G177.0	3.2	3.3	3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.2
G178.0	3.1	3.2	3.2	3.1	3.2	3.1	3.1	3.1	3.1	3.2
G179.0	3.1	3.1	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.1
G180.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.1

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	2429.0	2430.6	2423.7							
G1.0	2407.4	2433.9	2458.5							
G2.0	2356.1	2404.0	2456.1							
G3.0	2276.0	2340.8	2418.5							
G4.0	2168.5	2244.6	2340.4							
G5.0	2040.8	2126.7	2226.9							
G6.0	1897.9	1981.8	2090.3							
G7.0	1744.6	1825.8	1938.8							
G8.0	1582.6	1665.5	1774.9							
G9.0	1422.6	1494.8	1606.5							
G10.0	1268.6	1331.6	1437.8							
G11.0	1119.5	1178.8	1272.2							
G12.0	980.1	1032.2	1114.5							
G13.0	857.6	900.6	975.6							
G14.0	748.3	785.7	849.3							
G15.0	656.8	687.4	739.3							
G16.0	579.7	605.4	651.1							
G17.0	515.6	536.4	573.2							
G18.0	459.2	477.8	507.7							
G19.0	411.1	425.9	453.8							
G20.0	368.5	381.9	406.7							
G21.0	330.7	343.2	362.9							
G22.0	296.6	307.5	325.6							
G23.0	265.1	275.3	292.4							
G24.0	237.6	246.5	262.0							
G25.0	212.9	221.8	235.8							
G26.0	190.8	199.5	212.3							
G27.0	171.6	179.9	191.5							
G28.0	155.1	162.8	173.3							
G29.0	141.4	148.8	158.1							
G30.0	130.2	137.0	145.2							
G31.0	120.7	126.9	133.9							
G32.0	113.3	118.8	124.7							
G33.0	106.9	112.2	117.1							
G34.0	101.4	106.4	110.6							
G35.0	96.7	101.5	105.2							
G36.0	92.5	97.2	100.6							

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 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	88.8	93.2	96.6							
G38.0	85.7	89.6	92.9							
G39.0	82.8	86.6	89.6							
G40.0	80.2	83.9	86.7							
G41.0	77.8	81.3	84.1							
G42.0	75.6	78.9	81.8							
G43.0	73.8	77.0	79.5							
G44.0	72.0	75.1	77.5							
G45.0	70.3	73.4	75.7							
G46.0	68.7	71.7	73.9							
G47.0	67.1	70.0	72.2							
G48.0	65.7	68.4	70.8							
G49.0	64.3	66.8	69.4							
G50.0	63.1	65.6	67.9							
G51.0	62.0	64.2	66.7							
G52.0	60.8	63.0	65.5							
G53.0	59.8	62.0	64.6							
G54.0	58.8	61.0	63.6							
G55.0	57.9	60.2	62.7							
G56.0	57.0	59.4	61.9							
G57.0	56.2	58.7	61.0							
G58.0	55.4	57.8	60.3							
G59.0	54.4	57.0	59.7							
G60.0	53.6	56.2	59.1							
G61.0	52.7	55.4	58.3							
G62.0	51.7	54.6	57.6							
G63.0	50.7	53.8	56.9							
G64.0	49.6	52.9	56.1							
G65.0	48.5	51.9	55.3							
G66.0	47.3	50.9	54.3							
G67.0	46.0	49.7	53.3							
G68.0	44.5	48.4	52.0							
G69.0	43.0	47.0	50.5							
G70.0	41.3	45.5	49.0							
G71.0	39.4	43.7	47.3							
G72.0	37.5	41.9	45.6							
G73.0	35.4	39.8	43.5							

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	33.2	37.7	41.4							
G75.0	30.9	35.4	39.2							
G76.0	28.5	32.9	36.7							
G77.0	26.1	30.4	34.3							
G78.0	23.5	27.9	31.6							
G79.0	21.0	25.1	28.9							
G80.0	18.5	22.5	26.0							
G81.0	15.9	19.8	23.2							
G82.0	13.5	17.0	20.4							
G83.0	11.1	14.4	17.7							
G84.0	8.7	11.9	14.9							
G85.0	6.6	9.3	12.1							
G86.0	3.5	6.4	9.3							
G87.0	1.3	2.7	5.5							
G88.0	0.7	1.0	2.3							
G89.0	0.6	0.7	0.9							
G90.0	0.6	0.6	0.7							
G91.0	0.7	0.6	0.7							
G92.0	0.6	0.6	0.6							
G93.0	0.6	0.6	0.6							
G94.0	0.7	0.6	0.7							
G95.0	0.7	0.7	0.7							
G96.0	0.7	0.7	0.7							
G97.0	0.7	0.7	0.7							
G98.0	0.7	0.7	0.7							
G99.0	0.7	0.7	0.7							
G100.0	0.7	0.7	0.7							
G101.0	0.7	0.7	0.7							
G102.0	0.7	0.7	0.7							
G103.0	0.7	0.7	0.7							
G104.0	0.7	0.7	0.7							
G105.0	0.7	0.7	0.7							
G106.0	0.7	0.7	0.7							
G107.0	0.7	0.7	0.7							
G108.0	0.8	0.7	0.8							
G109.0	0.8	0.8	0.8							
G110.0	0.8	0.8	0.8							

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 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	0.8	0.8	0.8							
G112.0	0.8	0.8	0.8							
G113.0	0.8	0.8	0.8							
G114.0	0.8	0.8	0.8							
G115.0	0.8	0.8	0.8							
G116.0	0.8	0.8	0.8							
G117.0	0.8	0.8	0.8							
G118.0	0.8	0.8	0.8							
G119.0	0.8	0.8	0.8							
G120.0	0.8	0.8	0.8							
G121.0	0.8	0.8	0.8							
G122.0	0.9	0.8	0.8							
G123.0	0.8	0.9	0.8							
G124.0	0.9	0.9	0.8							
G125.0	0.9	0.9	0.8							
G126.0	0.9	0.9	0.9							
G127.0	1.0	1.0	0.9							
G128.0	1.0	1.0	0.9							
G129.0	1.0	1.0	0.9							
G130.0	1.1	1.0	1.0							
G131.0	1.1	1.1	1.0							
G132.0	1.2	1.1	1.0							
G133.0	1.2	1.1	1.1							
G134.0	1.3	1.2	1.1							
G135.0	1.4	1.3	1.1							
G136.0	1.4	1.4	1.1							
G137.0	1.4	1.4	1.3							
G138.0	1.5	1.4	1.3							
G139.0	1.6	1.5	1.4							
G140.0	1.7	1.6	1.4							
G141.0	1.8	1.7	1.4							
G142.0	1.9	1.9	1.5							
G143.0	2.0	1.9	1.6							
G144.0	2.2	2.0	1.7							
G145.0	2.3	2.2	1.8							
G146.0	2.5	2.3	1.9							
G147.0	2.5	2.5	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 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	2.6	2.5	2.1							
G149.0	2.8	2.7	2.2							
G150.0	2.9	2.8	2.4							
G151.0	3.0	3.0	2.5							
G152.0	3.1	3.0	2.6							
G153.0	3.2	3.0	2.8							
G154.0	3.3	3.3	2.9							
G155.0	3.4	3.4	3.0							
G156.0	3.5	3.4	3.1							
G157.0	3.5	3.5	3.2							
G158.0	3.5	3.5	3.3							
G159.0	3.6	3.5	3.4							
G160.0	3.6	3.6	3.4							
G161.0	3.6	3.6	3.5							
G162.0	3.7	3.7	3.5							
G163.0	3.6	3.7	3.5							
G164.0	3.6	3.6	3.6							
G165.0	3.6	3.6	3.5							
G166.0	3.6	3.7	3.5							
G167.0	3.5	3.7	3.5							
G168.0	3.5	3.6	3.5							
G169.0	3.5	3.5	3.5							
G170.0	3.5	3.5	3.5							
G171.0	3.5	3.5	3.5							
G172.0	3.5	3.5	3.4							
G173.0	3.4	3.4	3.4							
G174.0	3.3	3.4	3.3							
G175.0	3.2	3.3	3.3							
G176.0	3.2	3.3	3.2							
G177.0	3.2	3.2	3.2							
G178.0	3.2	3.1	3.1							
G179.0	3.1	3.1	3.1							
G180.0	3.1	3.1	3.1							

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: