

Report No.:

Test Time: 2020-12-23 12:02

## Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Lamp Catalog:

Number of Lamps:

Luminous Length (mm):

Luminous Height (mm):

Current: 0.695 A

Power Factor: 0.918

Luminaire Description:

Lamp Description:

Lumens per Lamp:

Luminous Width (mm):

Voltage: 277.0 V

Power: 176.73 W

## Photometric Results

IES Classification: Type II

Total Rated Lamp Lumens: 25151.1 lm

Efficiency: 100%

Upward Ratio: 0%

C0r0 Intensity: 9095.99 cd

Pos of Max. Intensity: H22.5 V1

Longitudinal Classification: Very Short

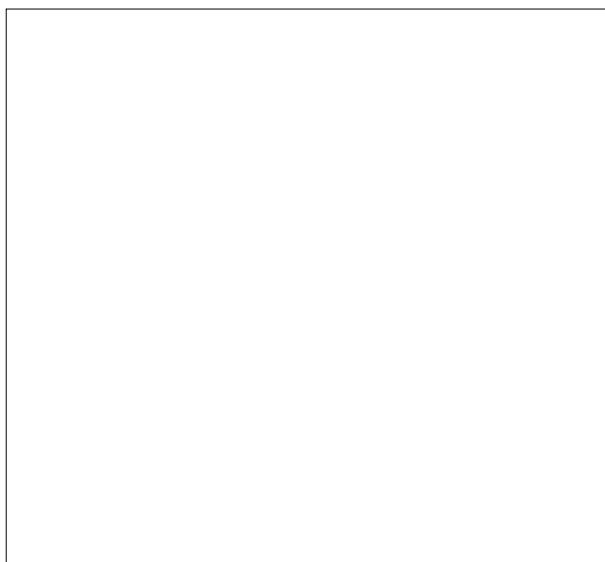
Measurement Flux: 25151.1 lm

Downward Ratio: 100%

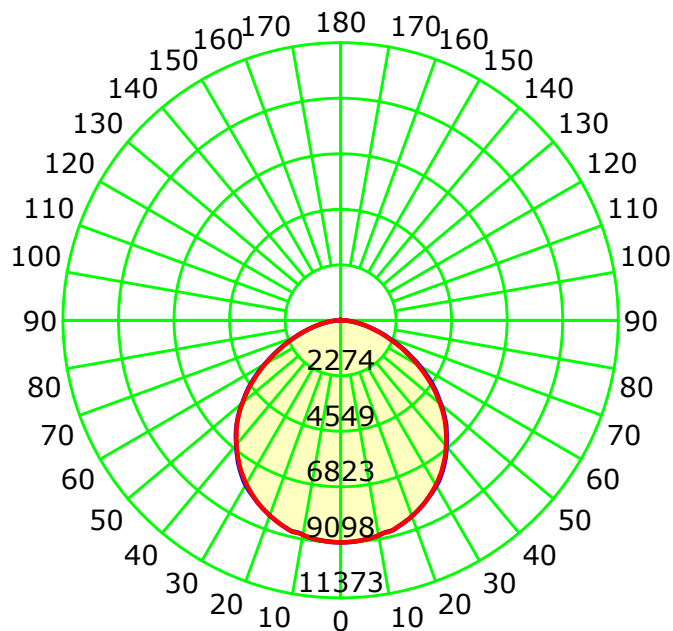
Luminaire Efficacy Rating (LER): 143.99

Max. Intensity: 9098.46 cd

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 109.5°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 24.6 °C

Operator:

Gamma Plane (°):0.0-180.0:1.0

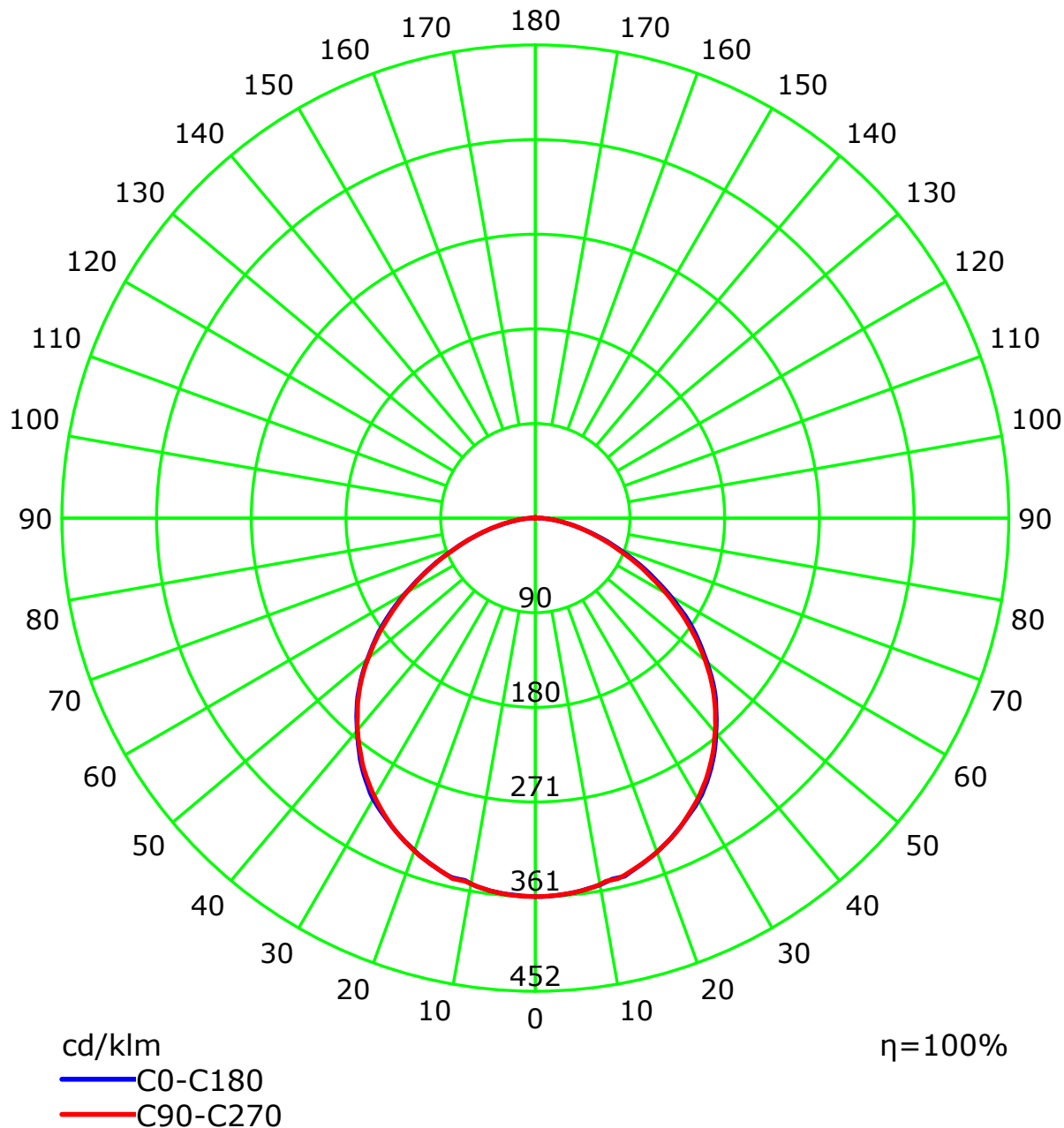
Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

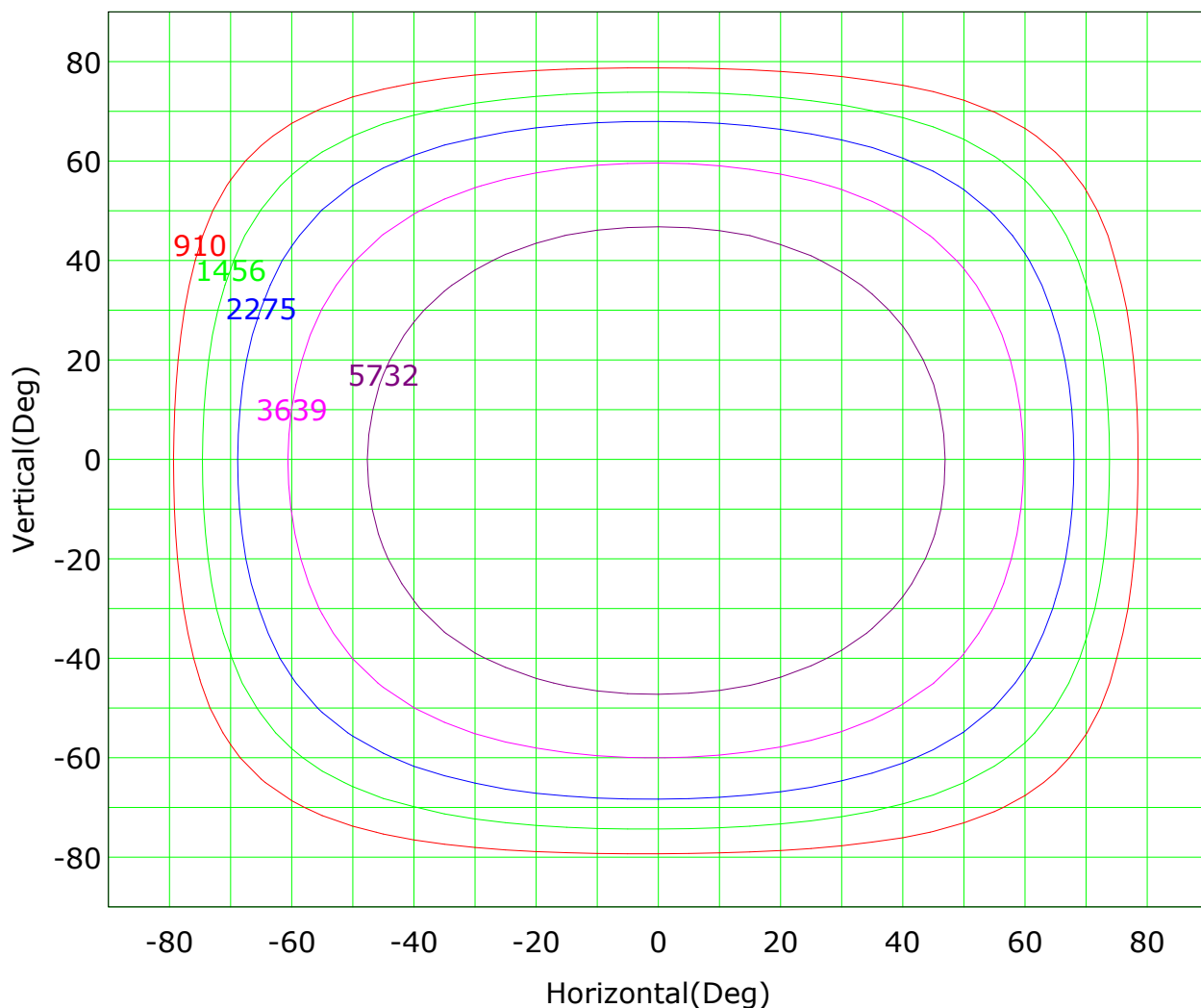
## Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 24.6 'C  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-3000  
Distance: 14.040 m [K=1.0000]  
Humidity:  
Inspector:

## Isocandela (rectangle)



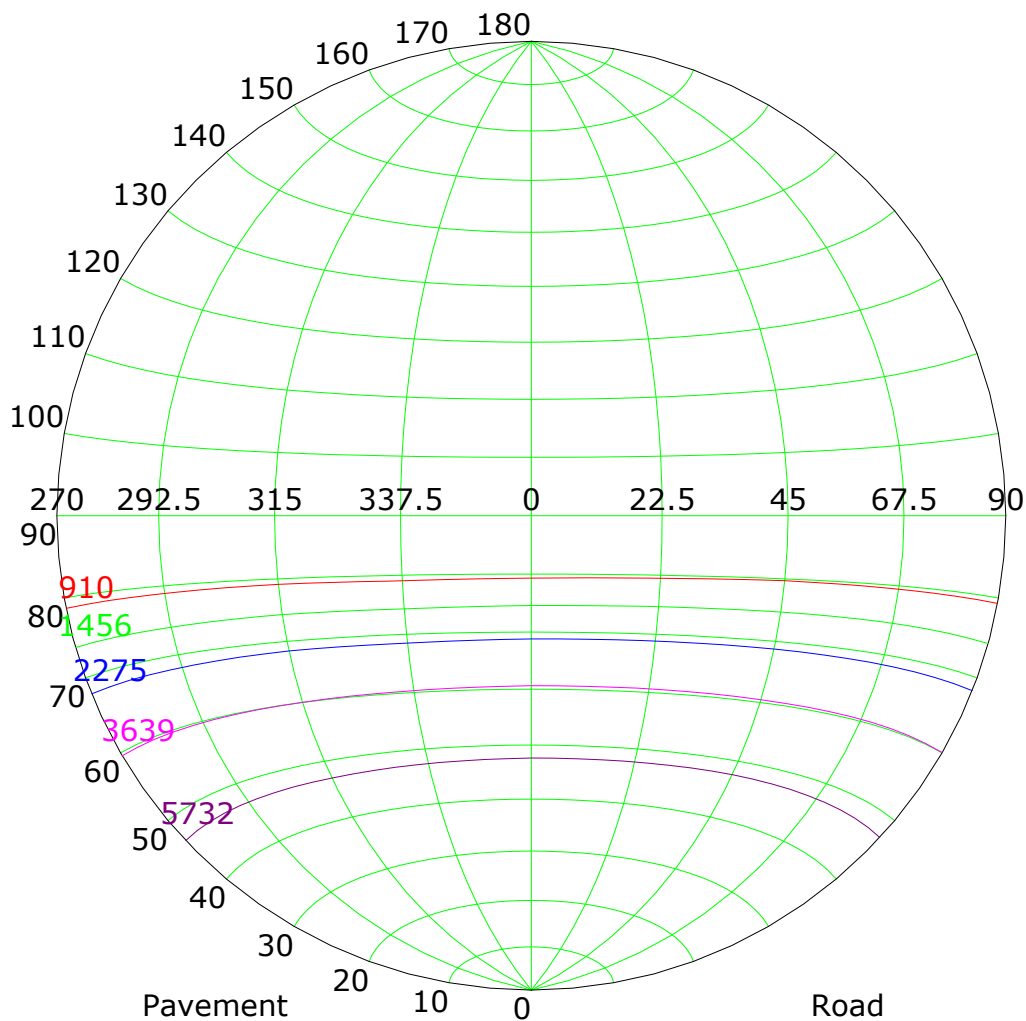
Imax (100%): 9098 cd

( 10%): 910 cd	( 16%): 1456 cd
( 25%): 2275 cd	( 40%): 3639 cd
( 63%): 5732 cd	(100%): 9098 cd

C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 24.6 'C  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-3000  
Distance: 14.040 m [K=1.0000]  
Humidity:  
Inspector:

## Isocandela (sphere)



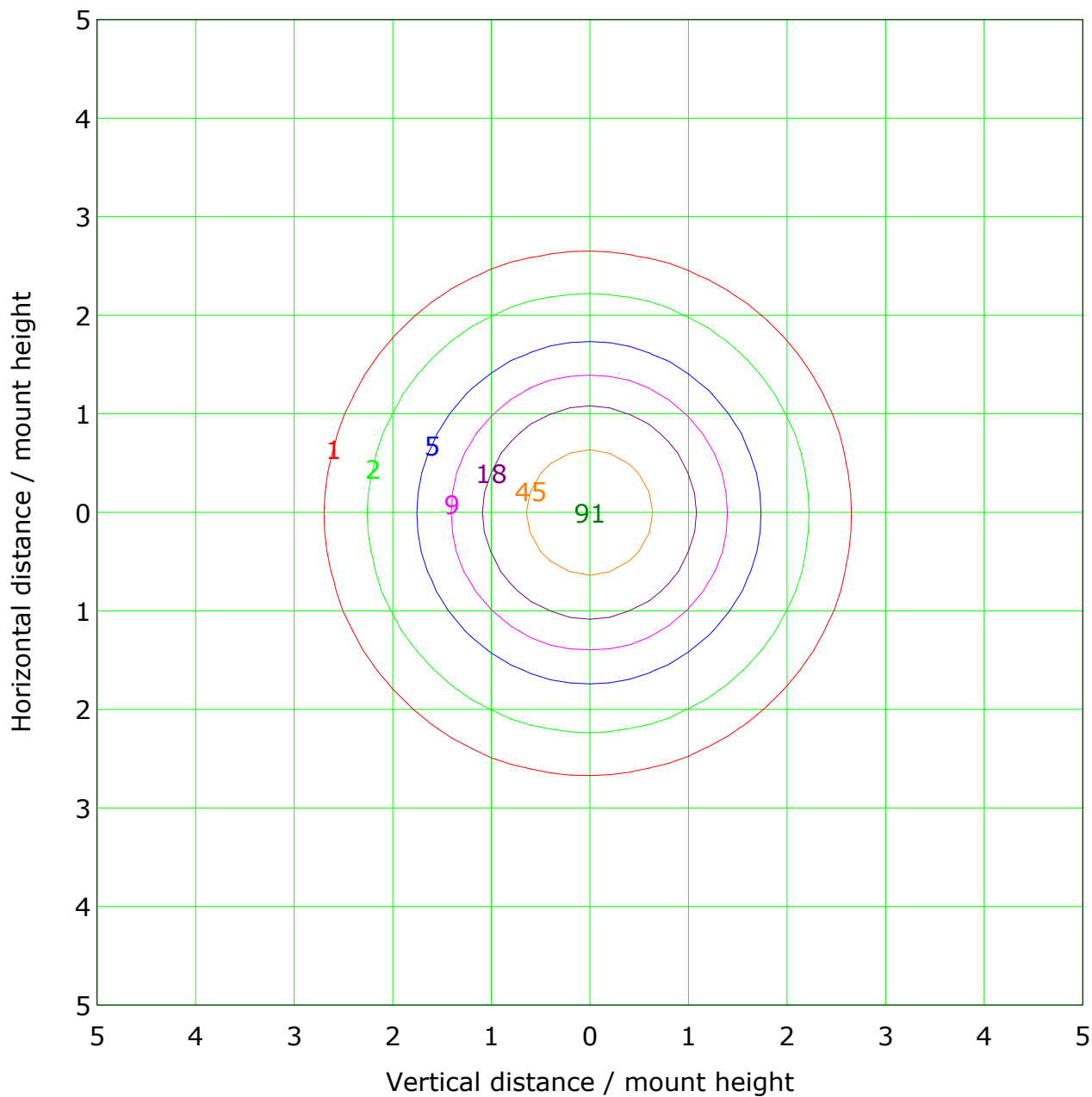
Imax (100%): 9098 cd

( 10%): 910 cd	( 16%): 1456 cd
( 25%): 2275 cd	( 40%): 3639 cd
( 63%): 5732 cd	(100%): 9098 cd

C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 24.6 'C  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-3000  
Distance: 14.040 m [K=1.0000]  
Humidity:  
Inspector:

## IsoLux Plot



Mounting Height: 10.0m    Max Lux(100%): 91.0 lx	
( 1%): 0.9 lx	( 2%): 1.8 lx
( 5%): 4.5 lx	( 10%): 9.1 lx
( 20%): 18.2 lx	( 50%): 45.5 lx
(100%): 91.0 lx	

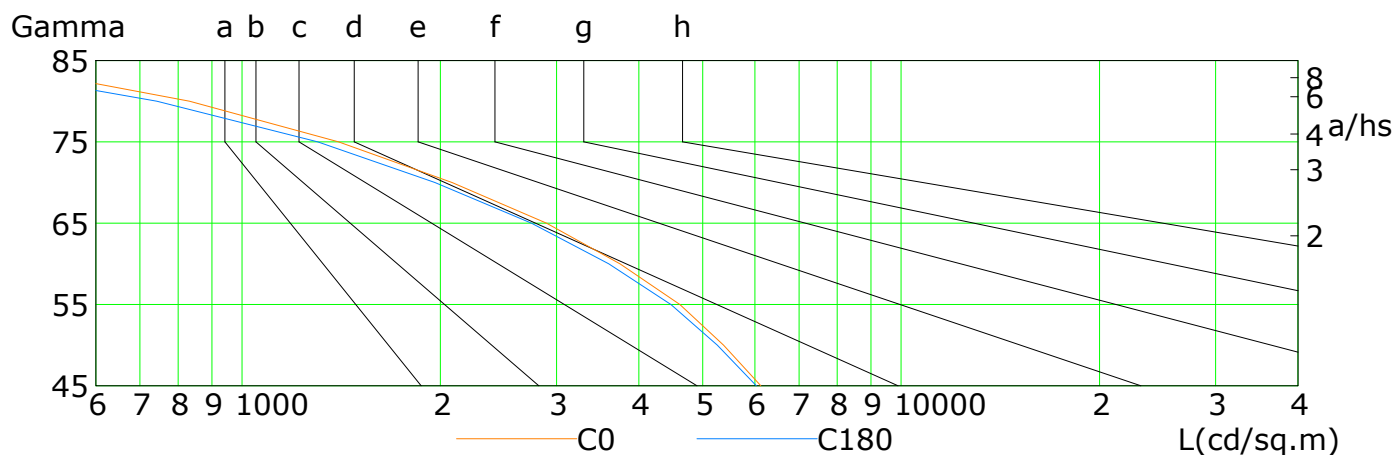
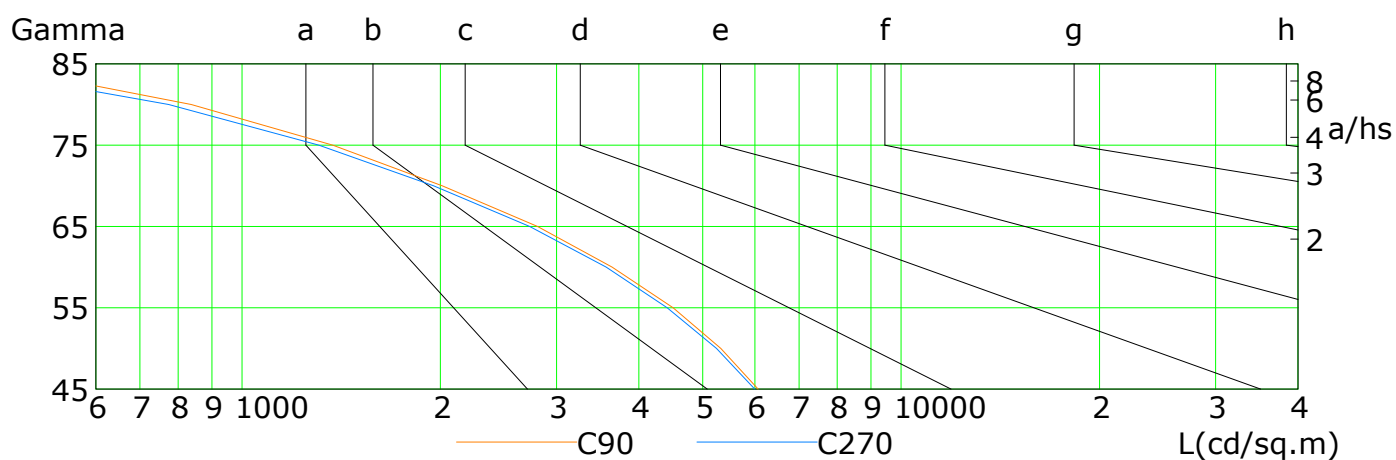
C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 24.6 'C  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-3000  
Distance: 14.040 m [K=1.0000]  
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	6126	5376	4617	3745	2898	2082	1401	833	393
C90	6069	5327	4508	3644	2807	2013	1373	838	405
C180	6032	5262	4473	3601	2749	1962	1303	743	333
C270	5998	5245	4417	3569	2731	1953	1308	774	349

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 24.6 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

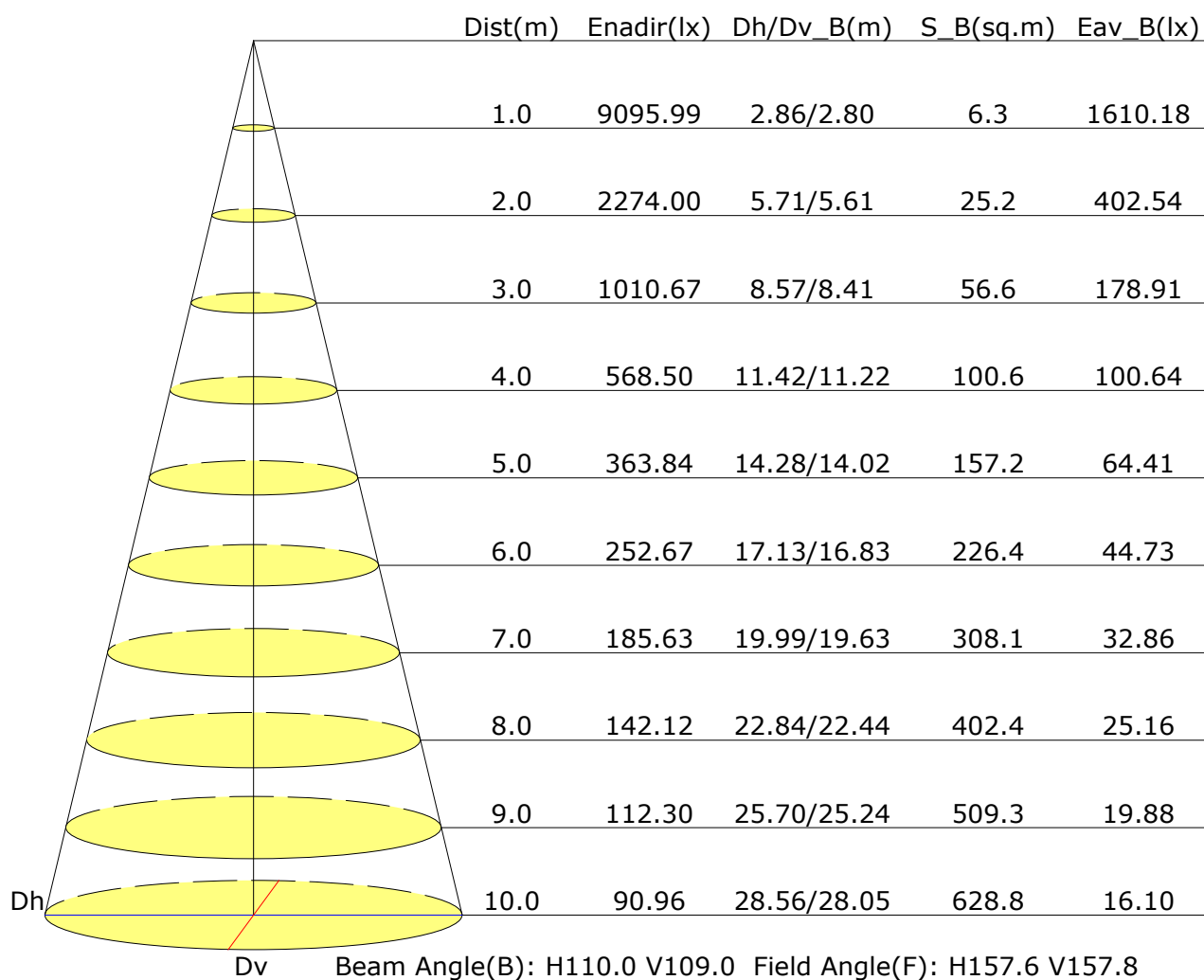
Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

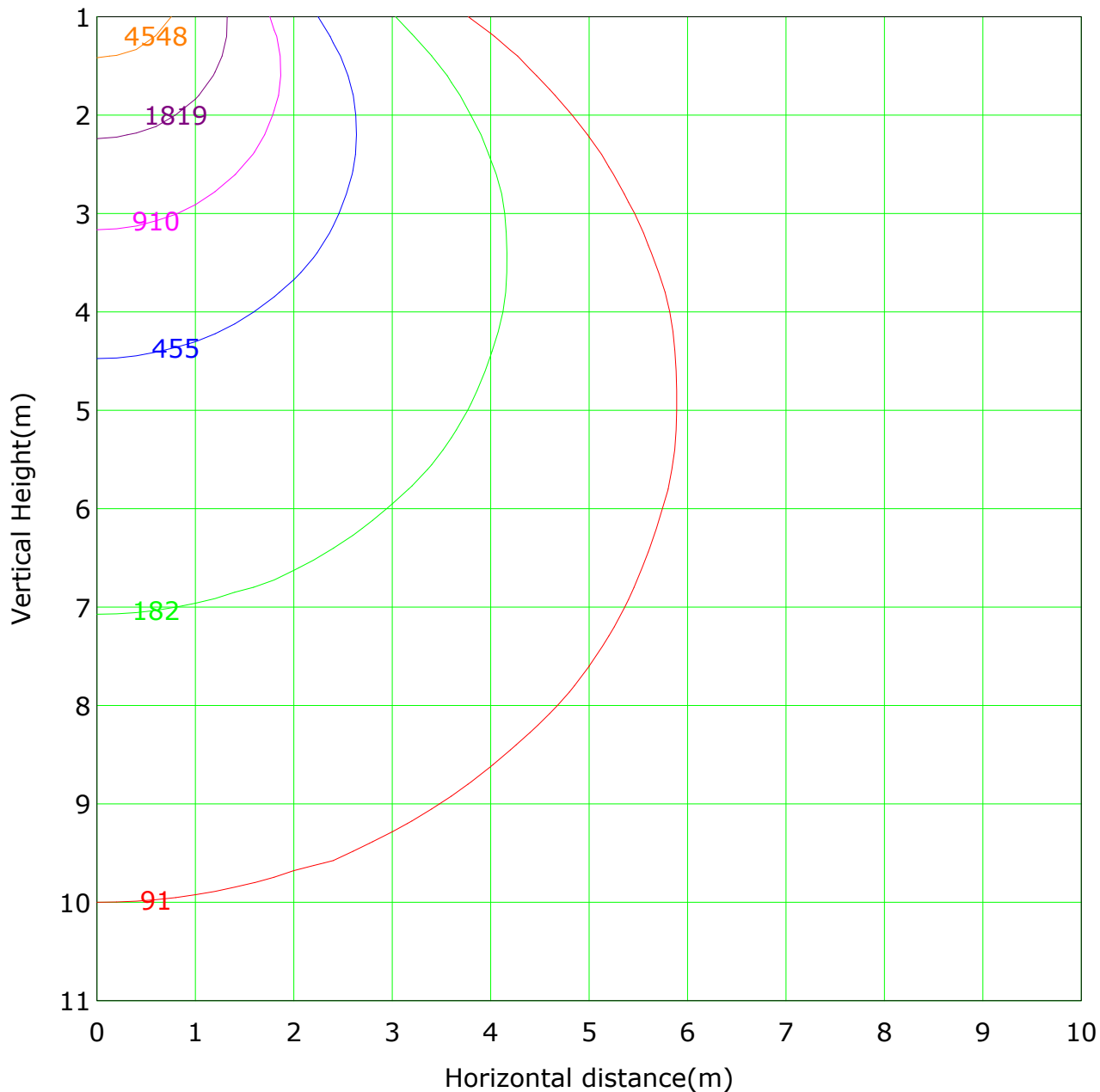
## Illuminance at a Distance



C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 24.6 'C  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-3000  
Distance: 14.040 m [K=1.0000]  
Humidity:  
Inspector:

## Vertical IsoLux Plot



Lowest(m): 1.0m   Highest(m): 11.0m   Max Lux: 9096.0 lx

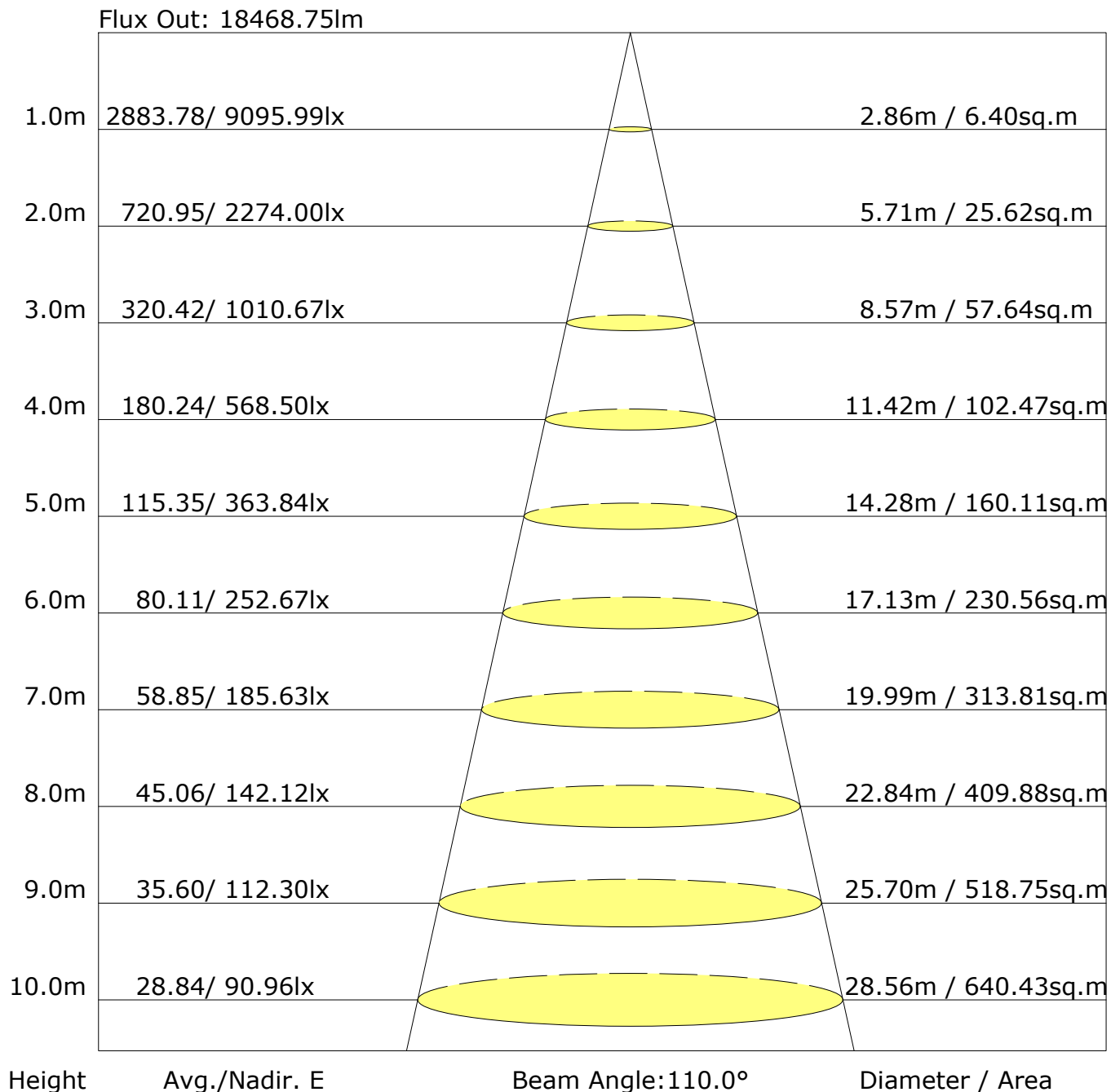
— ( 1%): 91.0 lx	— ( 2%): 181.9 lx
— ( 5%): 454.8 lx	— ( 10%): 909.6 lx
— ( 20%): 1819.2 lx	— ( 50%): 4548.0 lx
— (100%): 9096.0 lx	

C Plane (°): 0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 24.6 °C  
Operator:

Gamma Plane (°): 0.0-180.0: 1.0  
Test Device: GPM-3000  
Distance: 14.040 m [K=1.0000]  
Humidity:  
Inspector:



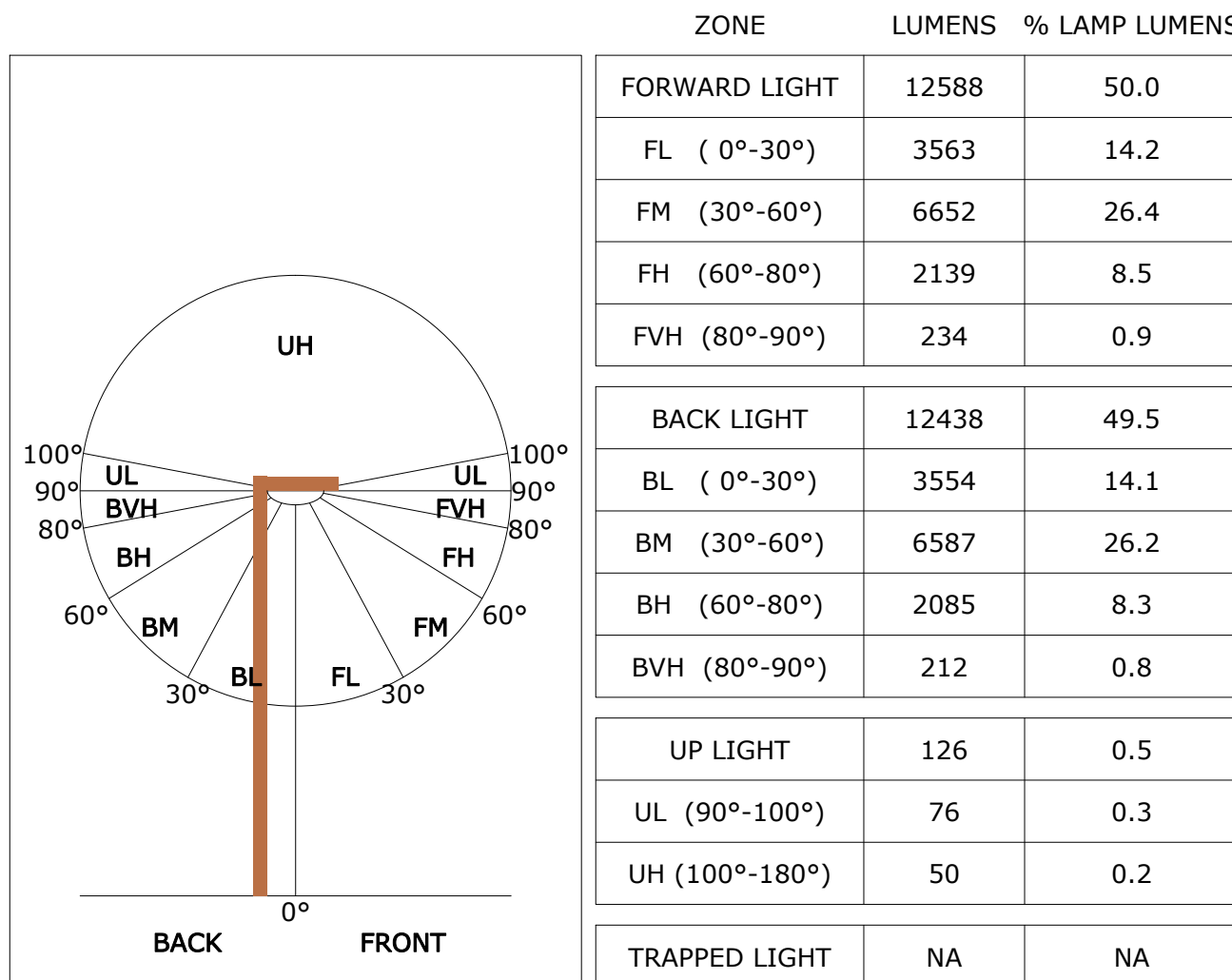
## The Average Illuminance Effective Figure



C Plane (°): 0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 24.6 °C  
Operator:

Gamma Plane (°): 0.0-180.0: 1.0  
Test Device: GPM-3000  
Distance: 14.040 m [K=1.0000]  
Humidity:  
Inspector:

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



BUG(Backlight,Uplight,Glare) Rating Base On TM-15-11	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B4 U3 G3
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B4 U3 G3

C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 24.6 'C  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-3000  
Distance: 14.040 m [K=1.0000]  
Humidity:  
Inspector:

## Candlepower Table

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G0.0	9096.0	9096.0	9096.0	9096.0	9096.0	9096.0	9096.0	9096.0	9096.0	9096.0
G1.0	9097.0	9098.5	9094.9	9096.7	9094.6	9095.3	9094.2	9091.4	9092.5	9094.2
G2.0	9092.1	9092.8	9091.4	9091.4	9090.7	9091.4	9086.8	9084.3	9085.8	9086.1
G3.0	9084.7	9087.2	9084.3	9086.5	9082.2	9084.7	9080.4	9075.2	9076.6	9075.5
G4.0	9075.9	9079.8	9075.1	9076.9	9072.4	9075.1	9071.9	9065.7	9066.8	9064.2
G5.0	9061.2	9068.1	9062.4	9064.6	9060.0	9062.8	9059.2	9054.7	9055.2	9050.1
G6.0	9042.8	9051.5	9048.6	9047.3	9044.5	9047.2	9042.9	9037.4	9038.6	9034.2
G7.0	9024.6	9032.5	9028.8	9028.9	9026.2	9029.9	9023.4	9018.4	9021.4	9013.1
G8.0	8998.9	9009.9	9005.8	9006.4	9003.6	9006.6	8999.3	8995.1	8992.9	8986.6
G9.0	8977.4	8985.6	8976.0	8979.2	8976.1	8979.0	8964.6	8966.6	8964.7	8955.6
G10.0	8951.0	8950.6	8923.3	8946.0	8941.5	8941.9	8924.2	8923.9	8924.6	8906.5
G11.0	8909.2	8910.4	8920.5	8897.0	8889.7	8903.8	8924.2	8885.1	8870.8	8893.8
G12.0	8868.7	8893.8	8920.5	8895.2	8889.0	8903.8	8924.6	8885.1	8870.8	8893.8
G13.0	8868.7	8893.5	8920.5	8895.2	8889.0	8903.8	8893.4	8885.1	8870.4	8892.1
G14.0	8869.7	8879.0	8855.4	8864.2	8848.4	8861.0	8839.2	8839.9	8833.8	8820.1
G15.0	8810.6	8816.2	8804.8	8804.5	8795.1	8805.5	8793.9	8783.2	8781.8	8772.8
G16.0	8755.4	8766.1	8757.3	8754.4	8745.4	8757.8	8747.8	8735.2	8729.3	8726.3
G17.0	8706.5	8711.8	8714.2	8705.4	8698.5	8705.5	8699.3	8686.2	8676.9	8673.0
G18.0	8652.3	8662.8	8663.2	8652.8	8648.8	8651.8	8644.4	8630.1	8621.7	8621.1
G19.0	8599.2	8607.4	8611.9	8600.9	8598.0	8593.2	8592.0	8573.3	8565.0	8563.6
G20.0	8542.5	8549.2	8557.1	8538.1	8542.2	8532.8	8533.5	8511.3	8498.9	8499.1
G21.0	8477.8	8489.9	8500.4	8480.6	8477.0	8475.2	8473.0	8451.7	8436.2	8435.6
G22.0	8416.9	8430.6	8438.9	8420.6	8416.3	8408.4	8412.4	8389.9	8375.4	8372.4
G23.0	8351.1	8361.8	8368.1	8353.2	8351.1	8343.7	8344.0	8326.1	8308.2	8303.6
G24.0	8277.9	8293.0	8295.9	8286.5	8284.4	8272.0	8283.1	8254.5	8239.5	8234.8
G25.0	8208.2	8219.0	8224.1	8210.3	8212.5	8198.9	8210.5	8182.9	8170.9	8159.7
G26.0	8133.3	8142.0	8147.3	8134.8	8128.5	8120.1	8135.1	8111.0	8094.2	8088.1
G27.0	8059.4	8070.8	8068.4	8058.2	8044.2	8042.3	8055.7	8034.5	8021.0	8012.9
G28.0	7988.7	7990.0	7998.0	7976.7	7961.0	7958.6	7972.9	7958.3	7949.3	7932.1
G29.0	7920.1	7905.0	7906.7	7893.4	7878.8	7873.1	7892.4	7871.2	7874.0	7849.9
G30.0	7835.6	7818.5	7821.0	7798.1	7797.7	7784.4	7801.1	7790.1	7795.5	7761.4
G31.0	7760.0	7742.7	7724.1	7704.6	7705.3	7697.8	7711.1	7716.4	7706.1	7676.7
G32.0	7661.1	7655.9	7638.1	7612.9	7606.2	7603.8	7610.5	7631.7	7597.4	7594.9
G33.0	7565.7	7566.3	7529.5	7514.1	7515.1	7501.7	7515.9	7537.6	7495.4	7504.2
G34.0	7459.1	7479.5	7431.4	7425.8	7411.1	7395.7	7416.4	7433.5	7389.5	7405.1
G35.0	7352.5	7374.0	7328.1	7308.3	7300.4	7289.4	7317.2	7328.1	7278.6	7296.8
G36.0	7241.7	7264.3	7223.4	7206.4	7191.4	7179.5	7206.7	7210.3	7165.0	7171.2

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 24.6 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

## Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G37.0	7129.1	7149.3	7119.7	7094.5	7080.6	7067.5	7100.5	7096.4	7033.4	7056.5
G38.0	7007.3	7027.6	7013.9	6981.6	6965.6	6956.2	6997.4	6975.0	6910.9	6934.8
G39.0	6880.7	6901.3	6910.2	6852.8	6834.8	6842.0	6885.8	6851.3	6785.7	6809.2
G40.0	6748.4	6772.2	6800.1	6732.5	6714.9	6710.2	6765.1	6718.3	6662.5	6679.7
G41.0	6628.7	6640.2	6676.3	6608.2	6594.6	6588.3	6643.9	6589.6	6540.4	6546.4
G42.0	6501.0	6500.9	6550.0	6483.0	6462.0	6457.6	6511.1	6452.0	6421.8	6401.7
G43.0	6370.1	6366.8	6418.7	6357.0	6337.5	6333.9	6374.0	6323.3	6288.5	6272.3
G44.0	6243.8	6238.7	6273.6	6225.7	6205.9	6203.2	6226.7	6193.2	6162.9	6146.7
G45.0	6126.3	6110.3	6135.9	6088.5	6069.0	6057.6	6078.6	6060.2	6031.6	6000.3
G46.0	5984.5	5969.2	5975.6	5943.4	5935.0	5932.2	5925.3	5923.4	5884.2	5867.6
G47.0	5843.4	5833.7	5827.4	5809.3	5786.9	5788.7	5766.2	5772.8	5738.2	5726.8
G48.0	5691.7	5692.3	5688.7	5661.1	5644.4	5640.3	5619.6	5639.5	5587.6	5581.5
G49.0	5531.6	5544.1	5535.8	5517.9	5483.2	5487.7	5468.0	5475.2	5433.1	5430.5
G50.0	5376.1	5397.0	5373.4	5364.7	5327.3	5319.9	5316.4	5323.5	5262.5	5264.3
G51.0	5219.5	5225.5	5225.8	5206.3	5166.8	5164.0	5152.1	5158.1	5104.1	5101.4
G52.0	5068.6	5070.3	5057.0	5038.0	4997.5	5003.6	4992.0	4995.9	4950.4	4944.7
G53.0	4917.6	4908.0	4905.6	4873.5	4844.5	4837.9	4837.2	4828.0	4798.3	4779.3
G54.0	4767.7	4746.8	4746.0	4702.0	4667.4	4675.0	4672.9	4666.8	4647.0	4619.8
G55.0	4616.8	4584.9	4593.1	4541.8	4508.0	4494.1	4513.8	4507.1	4472.5	4447.6
G56.0	4454.9	4432.5	4431.8	4378.1	4340.4	4330.9	4346.3	4333.2	4306.8	4289.2
G57.0	4282.2	4267.0	4239.3	4193.2	4170.4	4166.6	4166.4	4169.6	4132.6	4127.3
G58.0	4086.5	4096.9	4060.2	4029.4	3982.1	3997.7	3987.8	4004.5	3956.3	3956.9
G59.0	3914.1	3918.1	3885.0	3862.9	3816.0	3823.8	3806.8	3833.1	3784.3	3770.3
G60.0	3744.5	3749.5	3714.1	3692.1	3643.8	3651.7	3638.3	3661.7	3601.0	3588.9
G61.0	3568.9	3566.4	3551.0	3496.3	3468.9	3458.8	3455.8	3485.8	3415.2	3417.5
G62.0	3391.9	3396.7	3367.0	3319.1	3289.4	3283.2	3300.7	3293.2	3245.9	3248.8
G63.0	3215.0	3215.0	3200.0	3150.8	3111.6	3112.6	3124.7	3124.6	3082.0	3064.7
G64.0	3059.8	3048.8	3039.0	2974.4	2961.0	2930.9	2965.3	2946.5	2920.1	2901.7
G65.0	2897.6	2887.9	2875.5	2821.2	2807.2	2775.1	2786.4	2791.0	2748.8	2740.8
G66.0	2731.5	2725.7	2703.5	2666.7	2641.1	2617.9	2632.4	2626.7	2587.2	2587.0
G67.0	2561.6	2576.1	2543.5	2516.7	2486.2	2478.7	2469.4	2473.6	2419.8	2431.4
G68.0	2404.3	2407.4	2377.6	2368.5	2311.3	2317.9	2309.7	2324.1	2265.6	2264.9
G69.0	2235.4	2245.5	2221.2	2209.3	2156.1	2160.7	2156.3	2160.8	2101.7	2114.3
G70.0	2082.3	2092.4	2077.2	2053.0	2012.9	2008.4	2001.5	2003.5	1962.3	1966.1
G71.0	1951.1	1938.2	1943.8	1912.2	1887.0	1866.3	1876.1	1868.8	1826.9	1828.5
G72.0	1819.1	1810.5	1808.6	1778.8	1752.3	1737.4	1746.9	1737.9	1690.3	1681.0
G73.0	1679.1	1685.6	1683.7	1658.5	1622.1	1616.9	1608.7	1610.3	1548.9	1556.9

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 24.6 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

## Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G74.0	1530.3	1537.5	1553.1	1525.8	1490.5	1498.5	1492.9	1477.0	1420.5	1429.2
G75.0	1401.1	1414.7	1417.9	1404.4	1373.1	1368.1	1364.0	1350.7	1302.6	1310.6
G76.0	1276.6	1291.9	1302.9	1289.8	1255.6	1255.1	1253.5	1228.3	1175.6	1191.7
G77.0	1152.0	1177.3	1196.0	1181.4	1145.9	1148.7	1146.9	1121.1	1067.2	1063.0
G78.0	1038.3	1052.0	1091.7	1071.0	1036.3	1043.1	1046.3	1004.0	940.2	955.4
G79.0	937.7	953.2	982.3	970.4	939.3	945.9	951.7	904.6	838.5	854.8
G80.0	832.5	852.7	878.3	857.5	837.7	837.4	842.3	797.7	742.8	757.8
G81.0	725.2	759.2	781.3	768.9	731.9	747.7	741.3	702.9	641.4	656.9
G82.0	632.7	664.7	684.0	672.6	645.8	655.1	647.1	614.0	555.2	573.3
G83.0	551.4	582.8	600.2	582.9	560.1	574.9	562.8	535.4	476.8	491.4
G84.0	466.9	495.0	508.1	501.8	482.5	487.6	473.2	451.4	403.2	418.1
G85.0	393.4	412.8	420.4	425.2	404.6	410.9	396.7	384.4	332.5	349.3
G86.0	317.0	344.3	352.8	352.5	332.6	336.4	328.7	311.8	269.5	279.4
G87.0	261.8	281.5	279.5	288.6	268.1	272.8	262.8	253.6	218.1	224.4
G88.0	207.3	218.7	223.3	230.1	215.2	219.1	206.9	201.0	168.2	172.9
G89.0	161.5	166.9	174.1	173.6	166.8	168.9	166.1	159.1	131.2	135.1
G90.0	122.8	131.6	138.4	140.1	129.8	137.1	134.9	127.3	96.1	107.3
G91.0	96.4	106.2	116.1	108.3	107.2	109.2	115.5	104.4	89.0	96.7
G92.0	89.7	88.2	98.7	98.5	91.0	99.6	98.1	96.3	82.0	87.1
G93.0	85.2	89.3	88.1	91.0	86.1	95.0	94.2	89.9	85.2	79.0
G94.0	84.4	78.7	78.9	88.6	83.2	84.5	84.3	87.1	87.6	75.5
G95.0	83.7	81.8	82.1	82.9	84.7	77.7	82.9	85.3	80.6	74.1
G96.0	85.2	72.0	63.7	70.2	70.5	67.1	63.8	56.4	72.1	62.4
G97.0	72.5	57.5	49.5	56.5	62.4	57.6	43.9	57.1	69.3	55.4
G98.0	56.0	41.6	38.6	41.3	52.6	38.5	33.3	51.5	52.4	42.3
G99.0	54.9	42.0	23.4	33.9	34.6	33.6	23.7	40.9	48.6	33.2
G100.0	42.6	27.9	18.4	21.5	33.2	23.3	12.4	28.9	33.1	20.8
G101.0	25.0	24.3	11.7	20.1	22.6	21.9	10.3	24.3	22.2	16.2
G102.0	19.4	14.8	11.0	14.1	17.6	11.7	8.1	15.9	15.8	0.0
G103.0	13.0	9.5	8.8	11.6	11.6	9.9	12.0	10.2	7.4	0.0
G104.0	10.6	0.0	8.5	10.2	8.1	7.1	7.1	0.0	0.0	0.0
G105.0	8.1	0.0	0.0	10.2	8.5	9.2	7.4	12.0	0.0	0.0
G106.0	7.0	0.0	9.2	9.5	0.0	8.1	0.0	0.0	0.0	0.0
G107.0	0.0	0.0	9.2	7.1	9.9	11.0	8.9	0.0	0.0	0.0
G108.0	0.0	0.0	0.0	0.0	7.1	0.0	9.9	7.8	0.0	0.0
G109.0	8.8	0.0	0.0	9.5	8.8	0.0	8.1	8.8	0.0	0.0
G110.0	8.8	0.0	0.0	8.5	0.0	0.0	11.3	8.5	0.0	0.0

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 24.6 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

## Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G111.0	7.0	0.0	0.0	9.5	0.0	9.9	11.7	12.0	0.0	0.0
G112.0	0.0	0.0	0.0	7.1	0.0	9.5	10.6	11.3	0.0	0.0
G113.0	0.0	0.0	0.0	9.5	0.0	0.0	11.3	0.0	0.0	0.0
G114.0	0.0	0.0	0.0	11.6	0.0	10.2	11.0	9.5	0.0	0.0
G115.0	0.0	0.0	8.1	10.2	0.0	0.0	7.1	7.8	0.0	0.0
G116.0	0.0	0.0	7.4	8.1	8.5	8.5	9.6	8.1	0.0	0.0
G117.0	0.0	0.0	0.0	11.3	7.8	7.8	9.6	0.0	0.0	0.0
G118.0	7.7	0.0	8.1	8.5	0.0	8.5	9.2	7.8	0.0	0.0
G119.0	0.0	0.0	0.0	10.2	8.5	8.8	11.3	9.2	0.0	0.0
G120.0	0.0	0.0	0.0	7.1	0.0	8.8	0.0	10.9	0.0	0.0
G121.0	0.0	0.0	0.0	0.0	10.2	0.0	7.4	8.8	7.0	0.0
G122.0	0.0	0.0	0.0	9.5	9.2	11.3	9.9	8.1	0.0	0.0
G123.0	0.0	0.0	7.8	8.1	10.6	10.2	9.9	7.8	0.0	0.0
G124.0	0.0	7.8	0.0	8.8	10.9	9.2	11.0	12.3	8.1	0.0
G125.0	7.0	7.1	0.0	9.9	9.5	9.2	9.9	8.8	0.0	0.0
G126.0	0.0	0.0	8.5	10.2	0.0	9.5	10.3	8.1	8.4	0.0
G127.0	0.0	9.9	8.8	0.0	7.4	11.3	7.4	11.6	0.0	0.0
G128.0	0.0	8.5	9.9	10.9	10.2	0.0	10.3	10.9	0.0	0.0
G129.0	0.0	8.5	8.8	10.6	12.3	12.4	11.3	9.5	9.5	0.0
G130.0	10.6	8.5	9.2	10.6	9.5	11.0	12.8	11.3	9.5	0.0
G131.0	8.8	7.8	11.3	8.5	7.8	7.4	9.9	13.0	7.4	0.0
G132.0	9.1	8.5	10.3	12.4	14.5	12.0	13.8	10.6	0.0	0.0
G133.0	8.1	10.6	11.7	8.5	10.9	11.7	10.3	11.6	8.4	7.4
G134.0	7.7	10.6	9.6	11.6	9.9	11.7	12.4	12.7	12.0	0.0
G135.0	7.7	0.0	8.5	14.5	10.2	10.2	15.9	13.0	10.9	0.0
G136.0	8.8	9.5	11.7	13.8	12.7	12.4	15.9	16.2	0.0	0.0
G137.0	10.2	7.8	10.6	7.8	13.8	12.0	11.7	16.9	9.1	0.0
G138.0	12.3	0.0	15.6	14.8	16.9	9.9	12.0	12.7	0.0	0.0
G139.0	12.3	11.6	11.0	11.3	13.4	12.0	14.2	16.2	0.0	7.4
G140.0	14.4	12.4	12.7	14.1	13.8	12.0	10.3	13.8	12.7	0.0
G141.0	10.6	10.2	12.7	11.6	15.9	14.8	16.6	15.5	12.0	8.5
G142.0	8.8	0.0	14.5	16.6	15.5	13.1	18.1	14.8	7.7	10.6
G143.0	7.7	15.5	15.9	15.5	17.6	16.6	15.9	10.9	9.5	10.6
G144.0	11.3	12.7	11.7	16.2	18.0	12.0	12.4	16.9	10.9	10.9
G145.0	12.7	14.1	13.8	16.6	16.6	14.8	14.2	14.8	13.0	7.4
G146.0	14.4	14.5	15.6	15.2	19.4	16.6	16.3	16.6	11.6	9.5
G147.0	9.9	16.2	15.9	17.3	19.4	15.2	18.8	15.5	13.7	12.4

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 24.6 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

## Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G148.0	12.0	15.2	9.6	15.5	20.8	14.8	13.8	16.2	14.4	10.2
G149.0	12.3	14.5	17.0	17.3	16.6	16.6	20.5	16.6	15.1	13.1
G150.0	14.8	12.4	13.8	16.6	23.3	19.8	19.1	10.9	15.8	9.2
G151.0	9.5	15.5	17.7	17.6	17.3	16.3	16.3	16.6	15.1	14.5
G152.0	13.4	19.1	19.8	15.5	19.4	13.8	15.9	16.6	17.2	15.5
G153.0	12.7	13.8	15.2	19.1	21.5	21.6	20.9	18.0	16.9	14.8
G154.0	12.0	15.5	18.4	17.6	18.7	18.4	19.5	16.9	18.3	14.5
G155.0	10.9	11.6	17.3	15.5	19.7	15.5	19.5	20.5	18.3	16.2
G156.0	16.9	18.7	18.0	19.1	15.2	20.1	18.1	20.1	14.1	14.5
G157.0	13.4	15.2	19.8	20.8	19.7	17.0	20.2	19.4	16.5	14.8
G158.0	13.0	20.8	18.0	20.1	20.1	20.8	15.6	16.2	11.3	19.1
G159.0	13.7	18.0	15.6	17.3	20.8	18.7	17.0	22.6	13.7	15.5
G160.0	15.1	18.7	15.2	21.2	18.0	14.1	24.4	21.2	13.4	11.6
G161.0	15.8	16.6	22.3	19.1	21.2	20.5	20.2	15.9	17.9	18.3
G162.0	13.0	16.6	13.4	24.0	17.3	18.7	15.6	19.4	14.8	16.9
G163.0	16.5	20.8	18.0	21.5	20.5	18.7	20.9	21.2	17.6	12.0
G164.0	17.6	20.5	11.3	18.7	8.5	16.6	26.2	20.1	16.9	19.1
G165.0	16.9	14.8	15.2	21.5	19.7	22.6	17.4	20.8	14.4	9.2
G166.0	17.6	19.8	17.7	19.4	20.5	13.1	19.5	18.0	19.7	16.9
G167.0	18.6	18.0	17.7	16.9	19.7	26.1	22.0	21.5	12.7	22.9
G168.0	17.6	22.2	20.2	20.5	22.9	19.4	24.8	21.9	16.9	20.1
G169.0	15.5	18.7	19.8	18.4	24.0	23.3	25.9	22.2	19.7	18.3
G170.0	16.5	17.3	14.5	16.2	23.6	23.0	19.1	22.9	16.2	18.7
G171.0	19.7	19.8	23.4	19.4	20.5	22.3	23.4	21.2	19.0	15.5
G172.0	16.5	15.5	21.9	24.7	20.1	18.0	19.8	22.6	15.1	16.9
G173.0	16.2	23.3	14.9	18.0	20.5	16.3	19.5	20.8	18.3	16.9
G174.0	17.9	18.7	23.7	22.6	21.9	18.7	22.7	21.5	17.9	17.6
G175.0	15.8	18.7	19.1	24.7	20.5	20.1	23.0	22.2	21.1	16.9
G176.0	14.4	19.4	20.5	19.4	20.5	20.8	20.5	21.9	19.4	15.5
G177.0	16.5	18.7	19.8	20.5	20.1	20.8	23.0	20.8	15.1	17.6
G178.0	12.7	18.0	16.6	20.1	15.2	19.4	17.4	18.3	18.6	15.2
G179.0	13.0	16.9	18.4	18.7	14.8	21.2	18.1	21.2	18.3	15.9
G180.0	16.9	19.4	19.1	22.6	20.5	19.8	19.8	21.2	20.4	16.9

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 24.6 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:



## Candlepower Table (Continue 5)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G0.0	9096.0	9096.0	9096.0	9096.0	9096.0	9096.0	9096.0			
G1.0	9092.1	9093.5	9096.3	9096.0	9097.8	9096.7	9097.0			
G2.0	9086.4	9091.4	9094.6	9093.5	9093.5	9090.3	9092.1			
G3.0	9077.9	9080.8	9086.5	9086.8	9085.0	9082.6	9084.7			
G4.0	9065.9	9068.1	9074.5	9075.5	9074.7	9070.6	9075.9			
G5.0	9052.1	9049.4	9059.0	9062.4	9058.1	9054.0	9061.2			
G6.0	9034.1	9028.2	9042.4	9043.3	9045.0	9037.8	9042.8			
G7.0	9012.1	9008.5	9020.2	9018.3	9024.1	9022.3	9024.6			
G8.0	8984.9	8986.9	8991.9	8994.9	8999.3	9002.5	8998.9			
G9.0	8952.0	8957.7	8963.7	8964.2	8964.6	8977.1	8977.4			
G10.0	8920.8	8915.7	8922.5	8930.3	8925.3	8943.3	8951.0			
G11.0	8920.8	8895.6	8891.4	8905.2	8925.6	8896.0	8909.2			
G12.0	8920.8	8895.9	8891.4	8904.8	8925.3	8886.2	8868.7			
G13.0	8878.4	8894.1	8891.4	8895.3	8896.6	8885.8	8868.7			
G14.0	8825.6	8830.6	8831.1	8833.5	8842.4	8857.6	8869.7			
G15.0	8774.7	8779.1	8781.4	8785.1	8797.1	8803.6	8810.6			
G16.0	8727.3	8728.3	8729.5	8736.6	8749.6	8749.7	8755.4			
G17.0	8676.7	8672.9	8679.4	8687.2	8703.2	8699.2	8706.5			
G18.0	8619.7	8618.9	8627.6	8634.5	8647.2	8649.2	8652.3			
G19.0	8563.8	8562.4	8574.7	8575.9	8593.7	8593.1	8599.2			
G20.0	8504.3	8502.8	8509.8	8521.5	8538.8	8531.0	8542.5			
G21.0	8441.4	8440.7	8446.3	8457.9	8477.9	8468.6	8477.8			
G22.0	8376.9	8375.4	8381.8	8396.0	8414.5	8405.5	8416.9			
G23.0	8310.1	8301.0	8313.3	8325.7	8347.9	8338.1	8351.1			
G24.0	8232.9	8229.3	8239.3	8254.7	8272.1	8269.0	8277.9			
G25.0	8160.4	8157.7	8165.2	8176.6	8202.4	8200.2	8208.2			
G26.0	8083.2	8074.4	8078.4	8103.5	8129.1	8120.9	8133.3			
G27.0	8004.0	7995.4	7994.8	8023.6	8052.5	8043.6	8059.4			
G28.0	7924.4	7910.3	7909.1	7944.1	7958.7	7966.0	7988.7			
G29.0	7824.6	7822.5	7821.0	7857.5	7874.7	7882.8	7920.1			
G30.0	7735.8	7729.3	7728.2	7757.2	7786.5	7803.5	7835.6			
G31.0	7645.9	7636.2	7636.5	7667.1	7694.8	7727.3	7760.0			
G32.0	7554.2	7532.8	7538.1	7572.4	7599.5	7637.0	7661.1			
G33.0	7452.0	7436.8	7439.0	7469.2	7501.4	7548.1	7565.7			
G34.0	7342.6	7335.2	7338.4	7370.6	7391.3	7446.9	7459.1			
G35.0	7241.8	7231.8	7233.7	7261.1	7283.9	7339.7	7352.5			
G36.0	7136.0	7124.5	7110.9	7145.2	7182.6	7229.3	7241.7			

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 24.6 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:



## Candlepower Table (Continue 6)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G37.0	7028.0	7003.1	6997.0	7033.9	7079.2	7102.4	7129.1			
G38.0	6918.3	6889.8	6884.9	6920.8	6960.6	6986.7	7007.3			
G39.0	6792.7	6774.1	6766.0	6806.4	6849.0	6864.7	6880.7			
G40.0	6675.9	6647.1	6644.7	6671.4	6727.5	6736.3	6748.4			
G41.0	6548.6	6519.7	6523.3	6545.2	6601.1	6607.6	6628.7			
G42.0	6421.5	6390.9	6386.1	6414.5	6473.2	6475.3	6501.0			
G43.0	6288.8	6248.7	6265.9	6285.2	6339.0	6336.0	6370.1			
G44.0	6135.6	6123.7	6143.1	6145.3	6189.5	6203.8	6243.8			
G45.0	5993.3	5993.5	5998.2	6012.4	6048.2	6076.1	6126.3			
G46.0	5848.3	5862.3	5862.4	5878.8	5898.4	5931.9	5984.5			
G47.0	5695.0	5720.8	5717.4	5736.1	5749.2	5794.7	5843.4			
G48.0	5543.6	5562.3	5566.8	5596.9	5583.8	5650.8	5691.7			
G49.0	5374.8	5406.4	5413.0	5429.7	5428.3	5495.6	5531.6			
G50.0	5228.6	5253.2	5245.5	5279.9	5280.3	5345.7	5376.1			
G51.0	5076.5	5094.8	5084.3	5122.0	5128.7	5170.5	5219.5			
G52.0	4925.7	4923.6	4924.5	4965.1	4979.6	5010.0	5068.6			
G53.0	4758.4	4761.7	4761.6	4801.2	4813.5	4852.0	4917.6			
G54.0	4600.5	4598.3	4596.1	4623.1	4658.7	4701.0	4767.7			
G55.0	4444.5	4437.4	4417.0	4462.3	4503.5	4531.4	4616.8			
G56.0	4281.0	4250.3	4250.1	4296.6	4335.7	4381.2	4454.9			
G57.0	4095.2	4082.4	4083.7	4128.8	4153.2	4218.6	4282.2			
G58.0	3920.4	3911.9	3910.8	3962.7	3980.0	4049.0	4086.5			
G59.0	3753.4	3744.0	3744.0	3779.7	3815.0	3874.8	3914.1			
G60.0	3578.2	3567.9	3569.1	3600.5	3642.2	3693.8	3744.5			
G61.0	3410.2	3380.9	3386.4	3429.9	3479.2	3503.4	3568.9			
G62.0	3231.5	3211.8	3220.6	3244.7	3300.7	3331.3	3391.9			
G63.0	3071.5	3042.1	3059.7	3074.4	3141.3	3166.6	3215.0			
G64.0	2906.6	2882.6	2887.3	2906.9	2981.2	3000.5	3059.8			
G65.0	2745.6	2721.7	2731.4	2749.0	2817.9	2826.3	2897.6			
G66.0	2582.5	2551.6	2571.2	2597.4	2651.1	2671.1	2731.5			
G67.0	2408.4	2403.1	2412.9	2451.5	2473.0	2515.9	2561.6			
G68.0	2254.4	2254.1	2242.5	2288.2	2320.3	2361.1	2404.3			
G69.0	2109.4	2093.9	2094.4	2139.5	2169.1	2189.4	2235.4			
G70.0	1968.2	1946.1	1953.3	1989.3	2029.9	2037.7	2082.3			
G71.0	1822.0	1809.9	1826.3	1838.1	1879.3	1895.6	1951.1			
G72.0	1687.6	1677.6	1691.2	1704.9	1744.7	1759.1	1819.1			
G73.0	1560.9	1557.2	1543.8	1579.1	1615.5	1619.8	1679.1			

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 24.6 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

## Candlepower Table (Continue 7)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G74.0	1438.1	1415.7	1421.1	1450.1	1485.5	1490.0	1530.3			
G75.0	1310.4	1307.4	1307.8	1326.4	1361.5	1365.2	1401.1			
G76.0	1196.8	1191.3	1188.3	1213.7	1241.4	1246.0	1276.6			
G77.0	1093.8	1079.8	1083.2	1097.8	1133.8	1126.8	1152.0			
G78.0	983.7	966.9	965.7	993.9	1025.7	1007.2	1038.3			
G79.0	886.1	870.9	864.8	899.6	915.2	904.9	937.7			
G80.0	773.9	776.0	773.8	792.9	815.4	803.7	832.5			
G81.0	682.6	683.2	673.3	697.8	719.4	706.4	725.2			
G82.0	597.7	587.9	579.1	612.3	631.5	613.3	632.7			
G83.0	508.1	502.1	503.3	528.9	545.5	531.5	551.4			
G84.0	421.8	425.9	415.8	442.4	448.8	451.4	466.9			
G85.0	351.4	356.4	349.2	370.3	376.9	379.5	393.4			
G86.0	289.1	291.8	283.2	302.1	314.5	306.8	317.0			
G87.0	226.5	230.1	229.3	245.6	250.8	251.8	261.8			
G88.0	175.9	180.3	173.5	186.6	192.3	197.5	207.3			
G89.0	136.2	139.0	135.1	145.6	149.8	148.8	161.5			
G90.0	111.1	110.8	98.1	117.3	120.4	123.8	122.8			
G91.0	93.8	86.1	89.9	97.2	95.3	102.3	96.4			
G92.0	83.5	86.1	78.7	86.6	87.1	86.8	89.7			
G93.0	81.0	78.0	76.5	80.2	74.4	87.5	85.2			
G94.0	72.9	75.2	76.5	74.2	79.0	82.9	84.4			
G95.0	68.3	60.3	68.8	58.3	69.8	77.2	83.7			
G96.0	58.4	53.6	62.1	52.3	62.0	53.6	85.2			
G97.0	36.4	28.6	49.7	41.3	46.8	61.7	72.5			
G98.0	28.7	34.9	38.8	32.5	34.7	53.6	56.0			
G99.0	17.0	20.8	25.0	21.2	23.4	36.0	54.9			
G100.0	9.9	16.9	20.8	18.7	13.5	31.4	42.6			
G101.0	8.1	17.3	15.2	12.0	0.0	20.8	25.0			
G102.0	7.4	12.0	10.2	12.7	8.5	14.8	19.4			
G103.0	0.0	10.2	12.3	11.0	10.6	11.3	13.0			
G104.0	0.0	7.1	0.0	7.1	0.0	0.0	10.6			
G105.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1			
G106.0	0.0	0.0	9.9	0.0	7.4	7.8	7.0			
G107.0	7.8	0.0	0.0	0.0	0.0	0.0	0.0			
G108.0	9.6	7.8	7.4	7.1	10.6	0.0	0.0			
G109.0	0.0	0.0	8.8	0.0	7.1	7.8	8.8			
G110.0	0.0	7.4	8.1	10.2	0.0	0.0	8.8			

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 24.6 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

## Candlepower Table (Continue 8)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G111.0	0.0	0.0	9.2	0.0	0.0	9.5	7.0			
G112.0	0.0	7.4	0.0	0.0	0.0	7.1	0.0			
G113.0	0.0	0.0	7.4	0.0	9.6	7.8	0.0			
G114.0	0.0	0.0	0.0	8.8	8.1	0.0	0.0			
G115.0	7.4	0.0	7.4	8.5	0.0	7.1	0.0			
G116.0	0.0	0.0	8.1	7.1	0.0	10.2	0.0			
G117.0	8.1	7.1	0.0	0.0	7.8	0.0	0.0			
G118.0	0.0	8.8	10.9	7.1	0.0	0.0	7.7			
G119.0	0.0	0.0	8.5	7.4	7.4	0.0	0.0			
G120.0	0.0	0.0	10.2	8.8	7.4	0.0	0.0			
G121.0	0.0	0.0	10.9	9.9	8.5	7.8	0.0			
G122.0	7.8	8.5	8.1	9.5	10.6	8.1	0.0			
G123.0	0.0	7.1	11.3	0.0	9.2	8.5	0.0			
G124.0	7.1	9.5	9.5	9.9	8.9	7.8	0.0			
G125.0	8.1	7.4	10.6	9.2	8.9	0.0	7.0			
G126.0	9.6	10.2	14.5	7.1	0.0	8.8	0.0			
G127.0	7.4	8.8	0.0	8.8	9.9	8.1	0.0			
G128.0	0.0	10.6	9.2	9.5	9.2	7.4	0.0			
G129.0	8.5	10.9	11.6	9.9	8.1	10.2	0.0			
G130.0	7.8	9.2	10.6	0.0	11.0	12.3	10.6			
G131.0	7.8	12.7	9.9	10.2	9.6	7.8	8.8			
G132.0	7.4	12.7	13.4	10.2	13.5	9.2	9.1			
G133.0	0.0	11.3	13.4	10.6	9.6	10.6	8.1			
G134.0	8.8	8.5	12.3	0.0	16.6	8.5	7.7			
G135.0	8.5	10.6	14.5	13.1	10.6	9.2	7.7			
G136.0	8.1	14.8	12.3	10.6	10.6	15.2	8.8			
G137.0	10.3	11.3	8.8	11.0	15.2	12.7	10.2			
G138.0	12.7	13.8	13.1	10.2	7.4	0.0	12.3			
G139.0	10.3	14.1	15.5	13.1	14.5	8.1	12.3			
G140.0	9.6	15.2	14.1	12.0	11.3	15.9	14.4			
G141.0	10.3	13.8	13.4	13.1	13.1	15.5	10.6			
G142.0	14.1	15.9	15.5	7.8	15.9	14.1	8.8			
G143.0	15.6	15.5	15.9	11.7	17.4	12.7	7.7			
G144.0	13.8	16.6	17.3	13.1	16.6	16.9	11.3			
G145.0	11.3	15.2	15.9	17.7	15.9	15.9	12.7			
G146.0	18.4	10.9	15.5	13.8	17.4	12.3	14.4			
G147.0	15.2	17.6	12.3	15.9	16.3	14.1	9.9			

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 24.6 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

## Candlepower Table (Continue 9)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G148.0	11.0	16.6	13.8	18.0	15.9	19.0	12.0			
G149.0	15.2	16.2	18.3	15.5	16.3	16.2	12.3			
G150.0	12.7	16.6	13.4	13.4	16.6	19.7	14.8			
G151.0	13.8	20.1	23.3	15.5	14.5	13.0	9.5			
G152.0	15.6	17.6	19.4	19.1	21.2	16.6	13.4			
G153.0	14.5	21.2	17.6	22.3	20.5	16.9	12.7			
G154.0	17.0	12.0	15.2	18.4	20.2	18.3	12.0			
G155.0	15.6	17.6	18.7	17.3	17.7	20.1	10.9			
G156.0	13.8	17.3	21.2	19.1	16.6	16.9	16.9			
G157.0	19.5	14.5	22.6	18.7	18.4	17.6	13.4			
G158.0	14.9	12.0	21.9	18.4	20.5	20.8	13.0			
G159.0	12.4	15.5	24.3	18.7	16.3	17.3	13.7			
G160.0	16.3	19.4	14.8	15.5	14.2	16.9	15.1			
G161.0	18.8	16.9	19.4	18.4	17.4	14.1	15.8			
G162.0	17.7	20.1	18.0	20.5	17.7	13.4	13.0			
G163.0	18.0	17.3	25.0	21.9	22.3	21.5	16.5			
G164.0	20.9	21.2	21.5	19.8	17.7	19.0	17.6			
G165.0	17.7	16.6	19.7	22.3	21.2	14.1	16.9			
G166.0	22.6	22.6	15.9	21.6	18.1	24.3	17.6			
G167.0	20.9	18.4	17.6	21.2	23.0	18.3	18.6			
G168.0	24.8	21.5	20.5	12.4	19.5	21.5	17.6			
G169.0	21.6	24.0	23.3	18.7	23.7	22.6	15.5			
G170.0	13.1	20.8	24.7	20.5	22.0	22.9	16.5			
G171.0	25.1	21.2	21.2	23.3	22.3	24.7	19.7			
G172.0	22.6	25.8	17.6	21.2	22.7	18.3	16.5			
G173.0	16.3	26.8	22.6	14.8	20.9	22.9	16.2			
G174.0	19.8	19.8	22.9	24.4	18.8	22.6	17.9			
G175.0	19.8	16.9	22.9	19.8	22.0	20.1	15.8			
G176.0	18.0	21.2	20.8	21.6	20.2	17.6	14.4			
G177.0	19.5	18.7	19.4	20.8	19.5	21.9	16.5			
G178.0	18.0	20.5	19.4	18.7	23.0	19.4	12.7			
G179.0	0.0	20.1	16.2	21.6	22.7	19.4	13.0			
G180.0	19.5	19.1	22.6	20.5	19.8	19.7	16.9			

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 24.6 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector: