

Report No.: TH-4226A

Test Time: 2023/5/11 15:21

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Luminaire Description: 3921-100RP-WH-80W-4000K

Lamp Catalog:

Number of Lamps:

Luminous Length (mm): -800

Luminous Height (mm):

Current: 0.600 A

Power Factor: 0.997

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): -800

Voltage: 120.0 V

Power: 71.77 W

Photometric Results

CIE Class: Direct

Measurement Flux: 7196.3 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(50%): H109.6

Vertical Diffuse Angle(50%): V113.1

Luminaire Efficacy Rating (LER): 100.32

Max. Intensity: 2528.13 cd

S/MH(C0/C180): 1.25

Total Rated Lamp Lumens: 7196.3 lm

Efficiency: 100%

Upward Ratio: 1%

C0r0 Intensity: 2524.57 cd

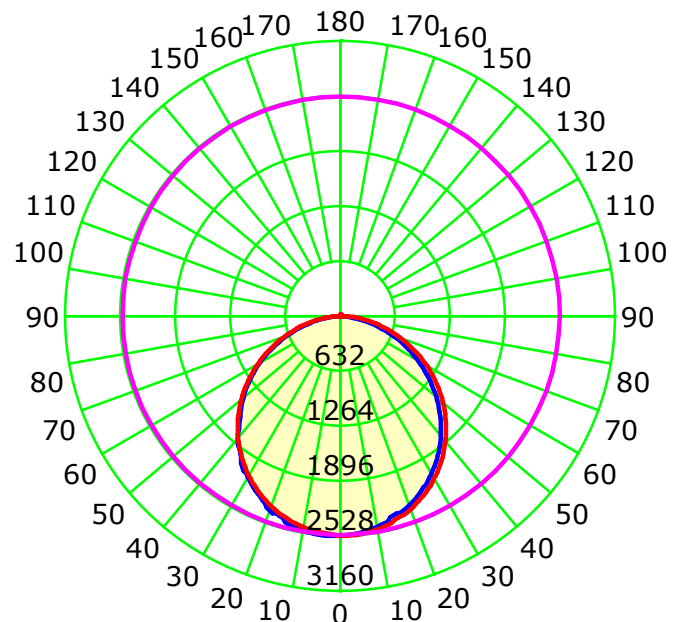
Pos of Max. Intensity: H180 V3

S/MH(C90/C270): 1.26

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 111.4°

— C0-C180 — C90-C270 — G3 —

C Plane (°):0.0-360.0: 90.0

Test Lab: Inventfine instrument

Test Type: TYPE C

Temperature: 26

Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0

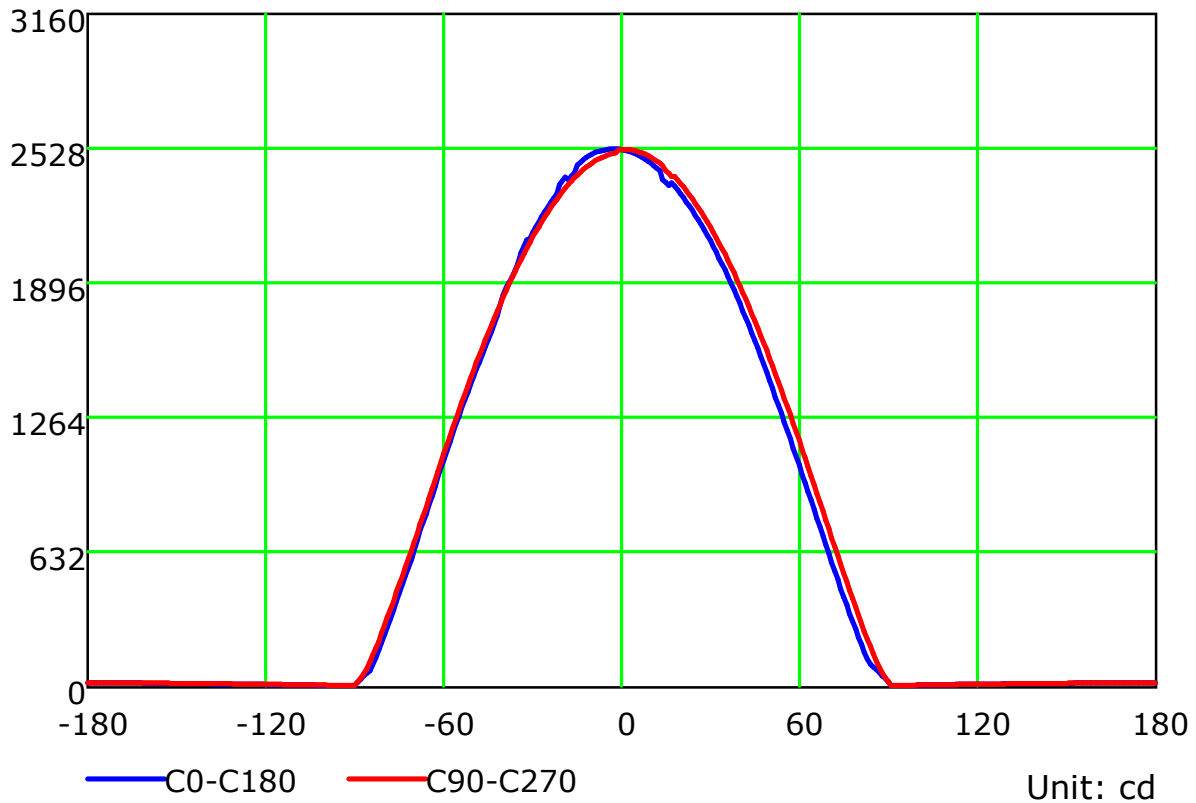
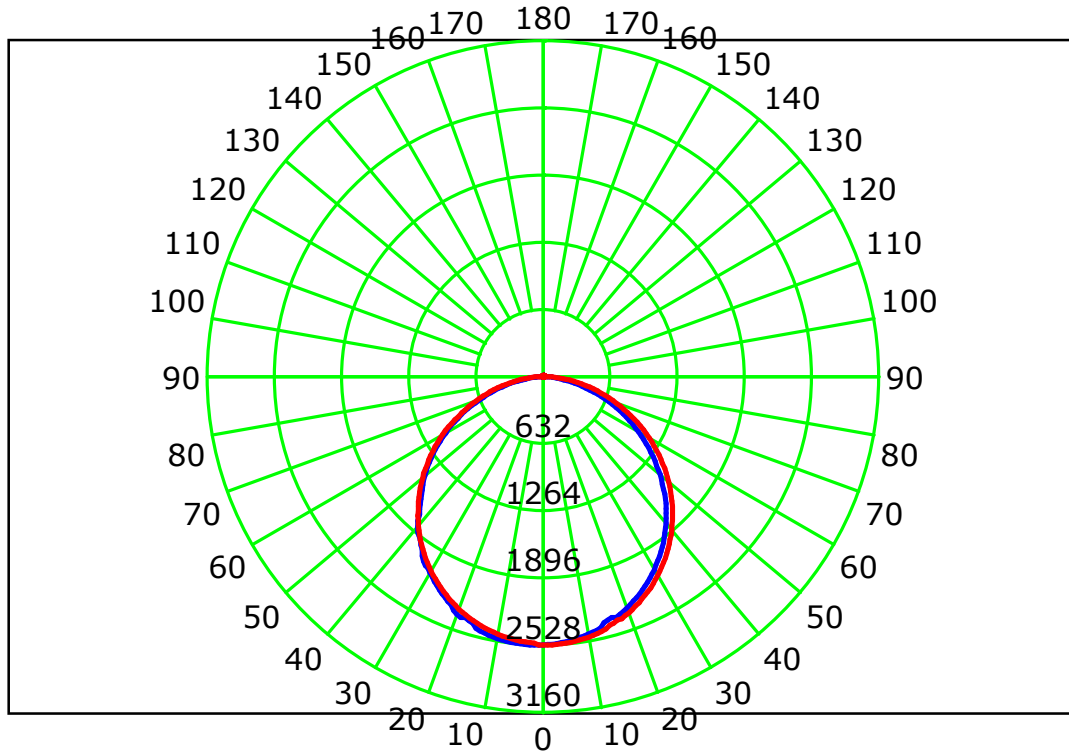
Test Device: GPM-1800B

Distance: 8.684 m [K=1.0000]

Humidity: 65

Inspector:

Luminous Intensity Distribution Curve



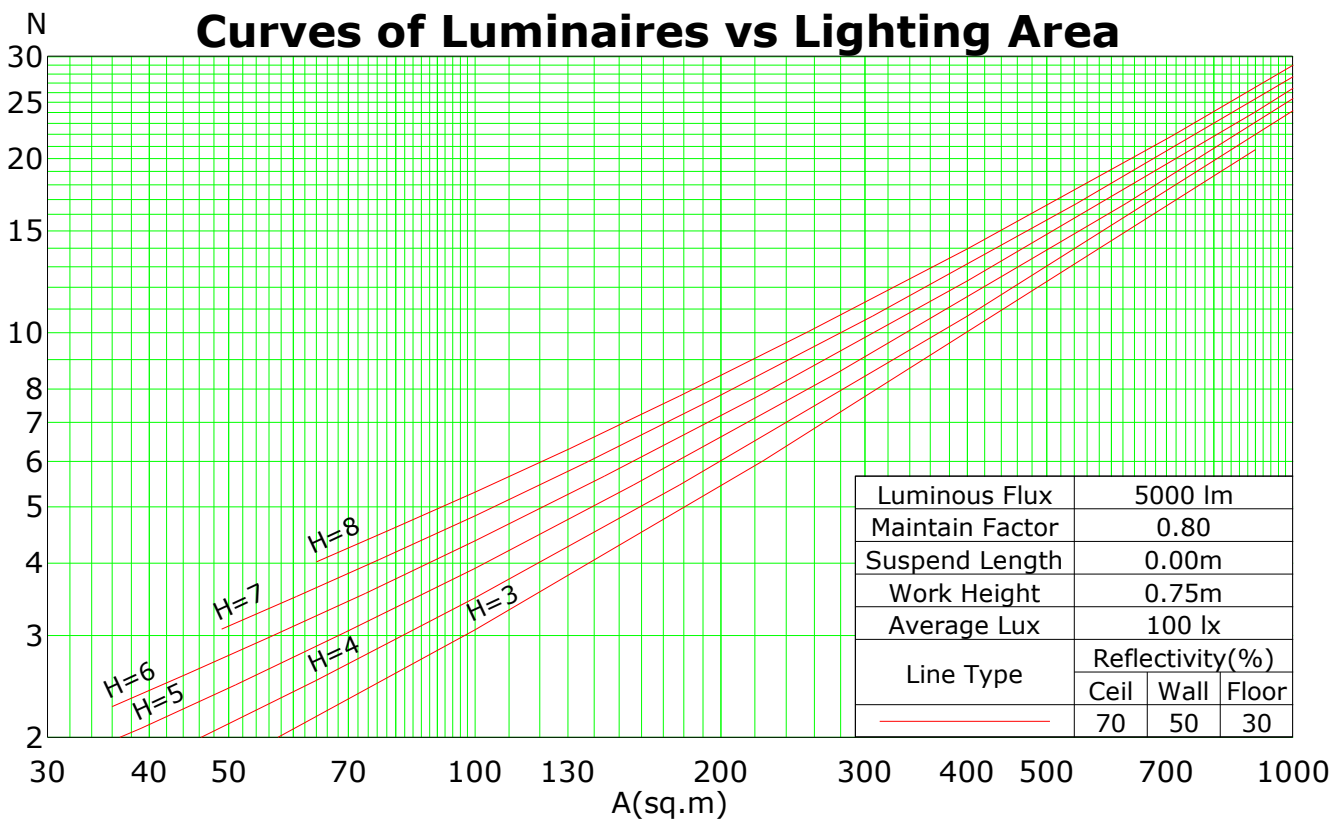
C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.684 m [K=1.0000]
Humidity: 65
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 | 1.19 | 1.19 | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.01 | 1.01 | 1.01 | 0.99 |
| 1 | 1.09 | 1.04 | 0.99 | 0.96 | 1.06 | 1.01 | 0.97 | 0.94 | 0.97 | 0.94 | 0.91 | 0.93 | 0.90 | 0.88 | 0.89 | 0.87 | 0.85 | 0.83 |
| 2 | 0.99 | 0.90 | 0.84 | 0.78 | 0.96 | 0.88 | 0.82 | 0.77 | 0.85 | 0.79 | 0.75 | 0.81 | 0.77 | 0.73 | 0.78 | 0.74 | 0.71 | 0.69 |
| 3 | 0.90 | 0.79 | 0.71 | 0.65 | 0.87 | 0.78 | 0.70 | 0.64 | 0.75 | 0.68 | 0.63 | 0.72 | 0.66 | 0.61 | 0.69 | 0.64 | 0.60 | 0.58 |
| 4 | 0.82 | 0.70 | 0.61 | 0.55 | 0.80 | 0.69 | 0.61 | 0.54 | 0.66 | 0.59 | 0.53 | 0.64 | 0.58 | 0.53 | 0.61 | 0.56 | 0.52 | 0.50 |
| 5 | 0.76 | 0.63 | 0.54 | 0.47 | 0.73 | 0.62 | 0.53 | 0.47 | 0.59 | 0.52 | 0.46 | 0.57 | 0.51 | 0.46 | 0.55 | 0.50 | 0.45 | 0.43 |
| 6 | 0.70 | 0.56 | 0.47 | 0.41 | 0.68 | 0.55 | 0.47 | 0.41 | 0.54 | 0.46 | 0.40 | 0.52 | 0.45 | 0.40 | 0.50 | 0.44 | 0.40 | 0.37 |
| 7 | 0.65 | 0.51 | 0.42 | 0.36 | 0.63 | 0.50 | 0.42 | 0.36 | 0.49 | 0.41 | 0.36 | 0.47 | 0.40 | 0.35 | 0.46 | 0.40 | 0.35 | 0.33 |
| 8 | 0.60 | 0.47 | 0.38 | 0.32 | 0.59 | 0.46 | 0.38 | 0.32 | 0.45 | 0.37 | 0.32 | 0.43 | 0.37 | 0.32 | 0.42 | 0.36 | 0.31 | 0.29 |
| 9 | 0.56 | 0.43 | 0.35 | 0.29 | 0.55 | 0.42 | 0.34 | 0.29 | 0.41 | 0.34 | 0.29 | 0.40 | 0.33 | 0.29 | 0.39 | 0.33 | 0.28 | 0.26 |
| 10 | 0.53 | 0.40 | 0.32 | 0.26 | 0.51 | 0.39 | 0.31 | 0.26 | 0.38 | 0.31 | 0.26 | 0.37 | 0.30 | 0.26 | 0.36 | 0.30 | 0.26 | 0.24 |

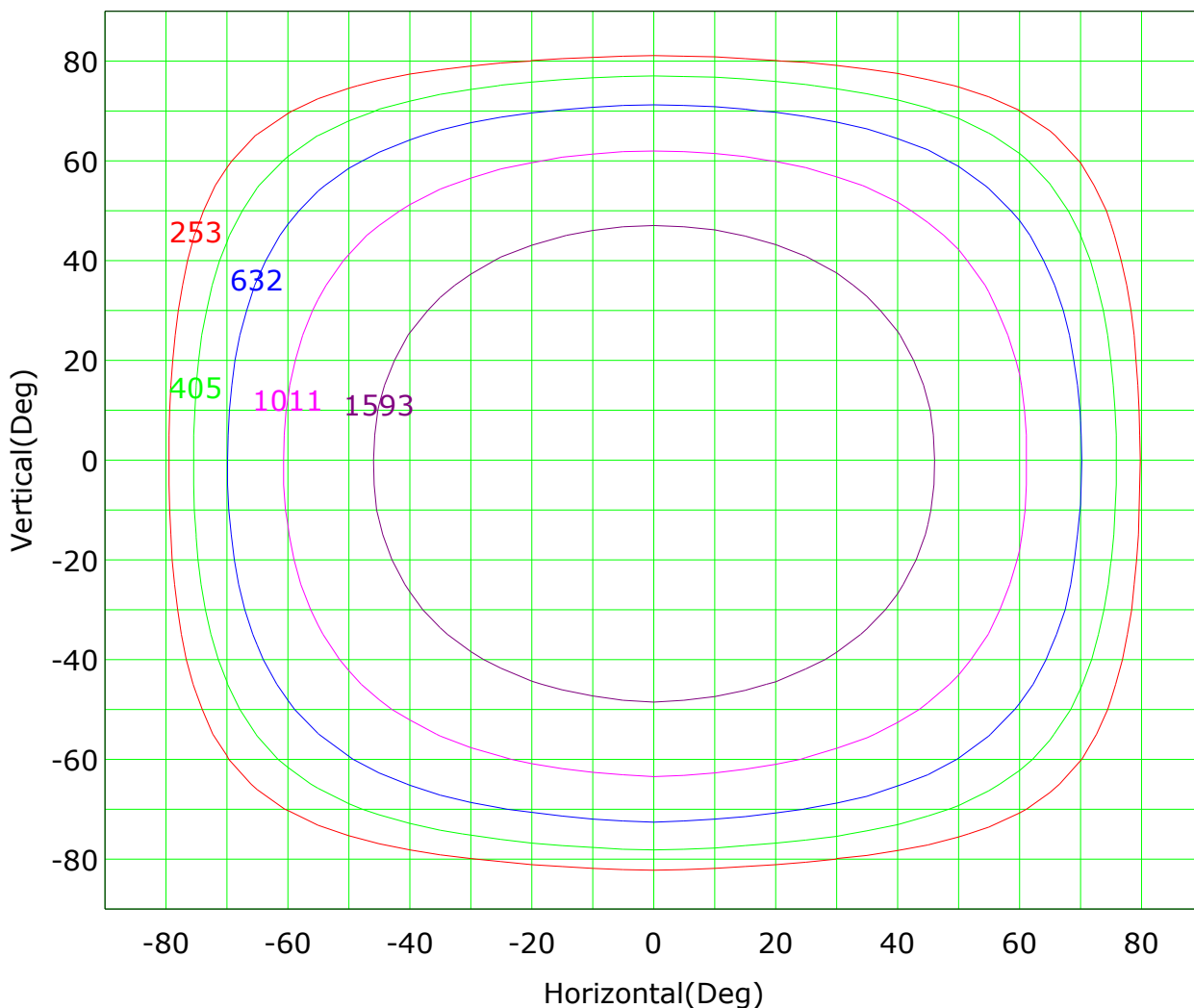
Spacing Criteria (0-180): 1.25
 Spacing Criteria (90-270): 1.26
 Spacing Criteria (Diagonal): 1.37



C Plane (°):0.0-360.0: 90.0
 Test Lab: Inventfine instrument
 Test Type: TYPE C
 Temperature: 26
 Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.684 m [K=1.0000]
 Humidity: 65
 Inspector:

Isocandela (rectangle)



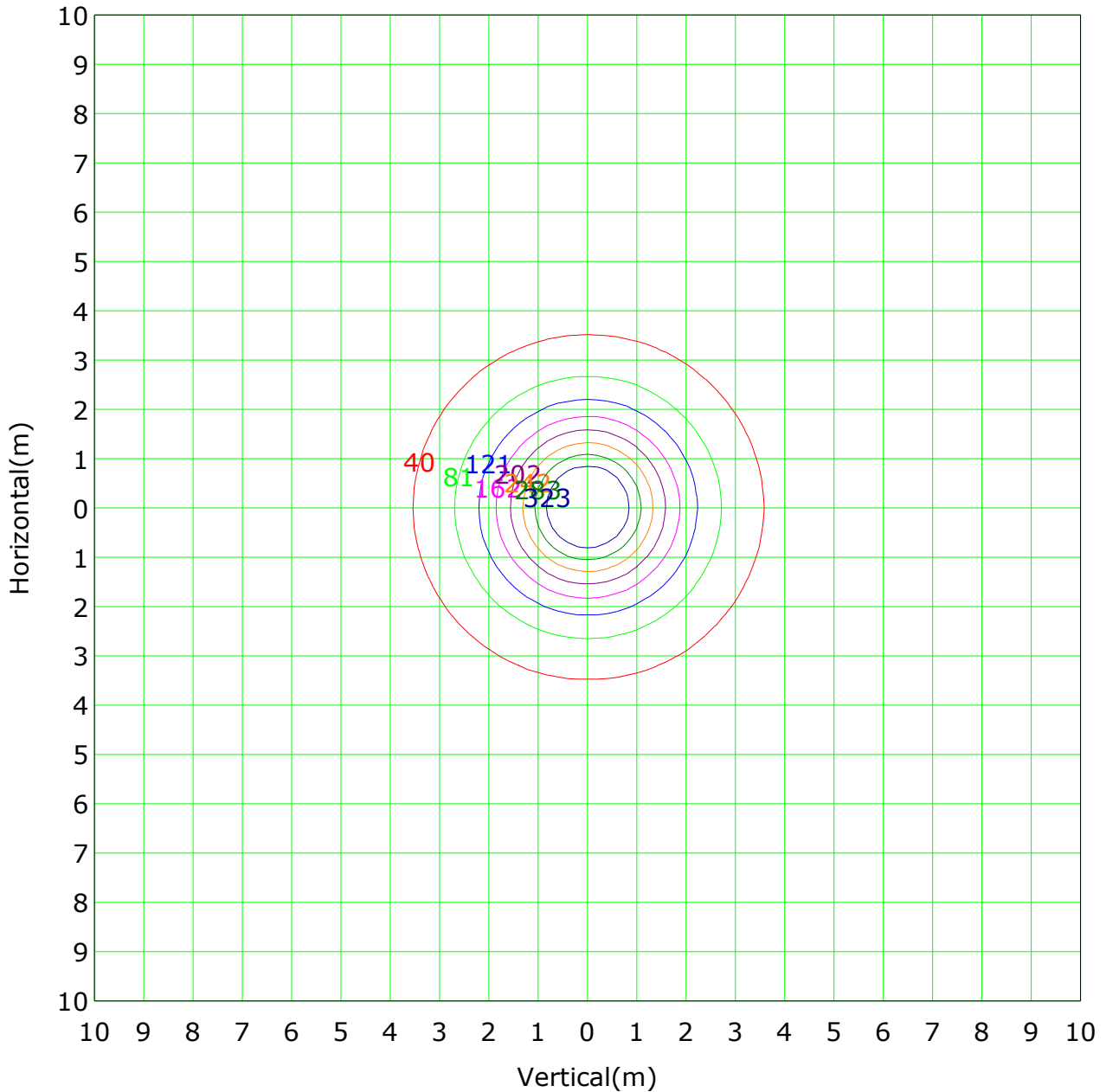
Imax (100%): 2528 cd

- | | |
|-------------------|-------------------|
| — (10%): 253 cd | — (16%): 405 cd |
| — (25%): 632 cd | — (40%): 1011 cd |
| — (63%): 1593 cd | — (100%): 2528 cd |

C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.684 m [K=1.0000]
Humidity: 65
Inspector:

IsoLux Plot



| | | | |
|-----------------------|--------------------|-------------------------|--------------------|
| Mounting Height: 2.5m | | Max Lux(100%): 403.9 lx | |
| — (10%): 40.4 lx | — (20%): 80.8 lx | — (40%): 161.6 lx | — (80%): 323.1 lx |
| — (30%): 121.2 lx | — (50%): 202.0 lx | — (60%): 242.4 lx | |
| — (70%): 282.8 lx | | | |

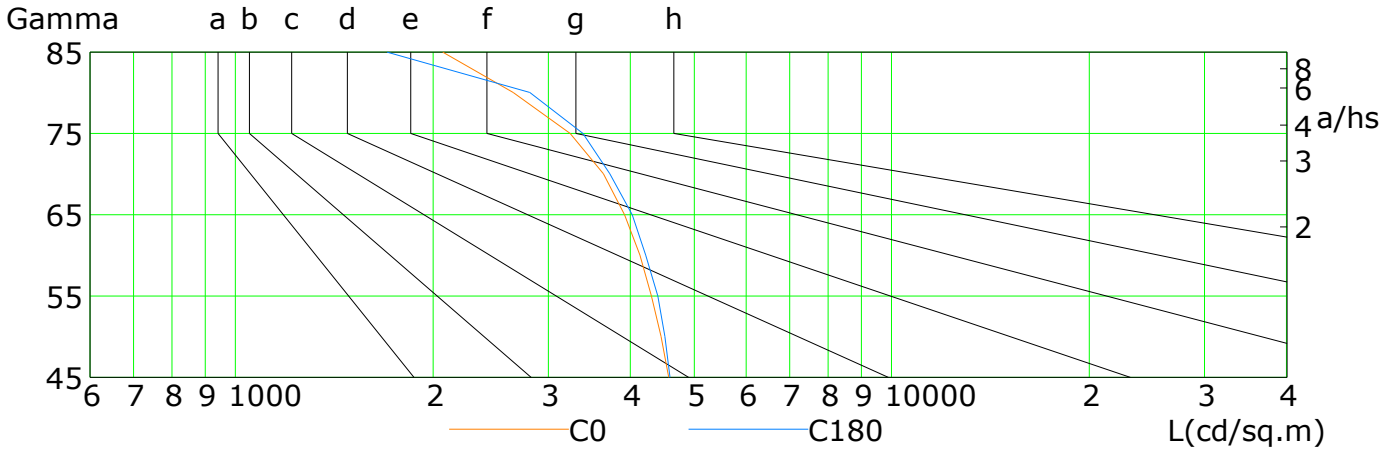
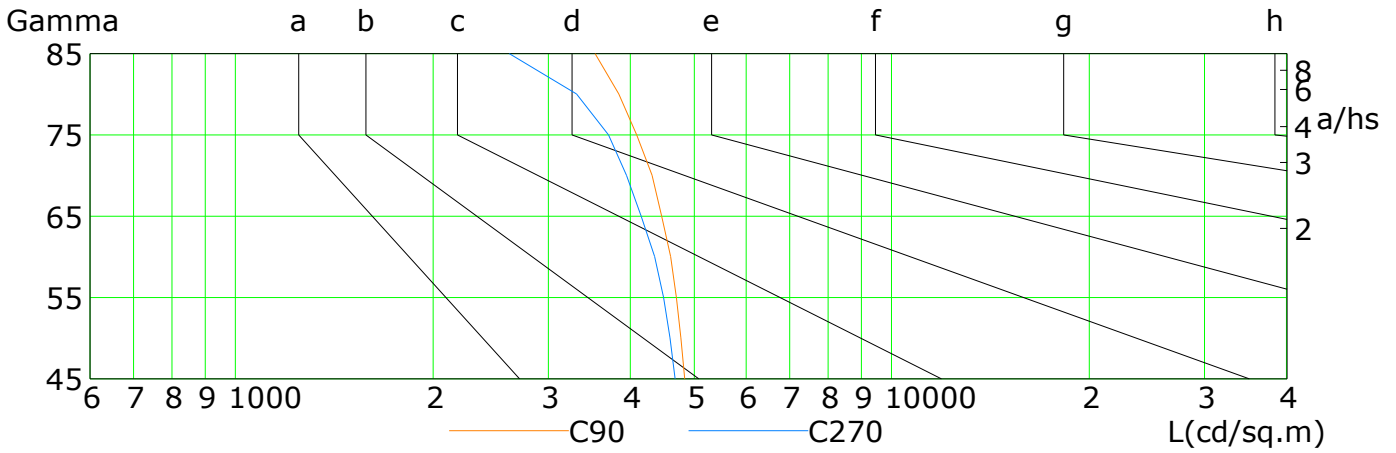
C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.684 m [K=1.0000]
Humidity: 65
Inspector:

Lum Limit Curve

| Dazzle | Quality | Illuminance (lx) | | | | | | | |
|--------|---------|------------------|------|------|-------|-------|-------|-------|-------|
| | | 2000 | 1000 | 500 | <=300 | | | | |
| 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

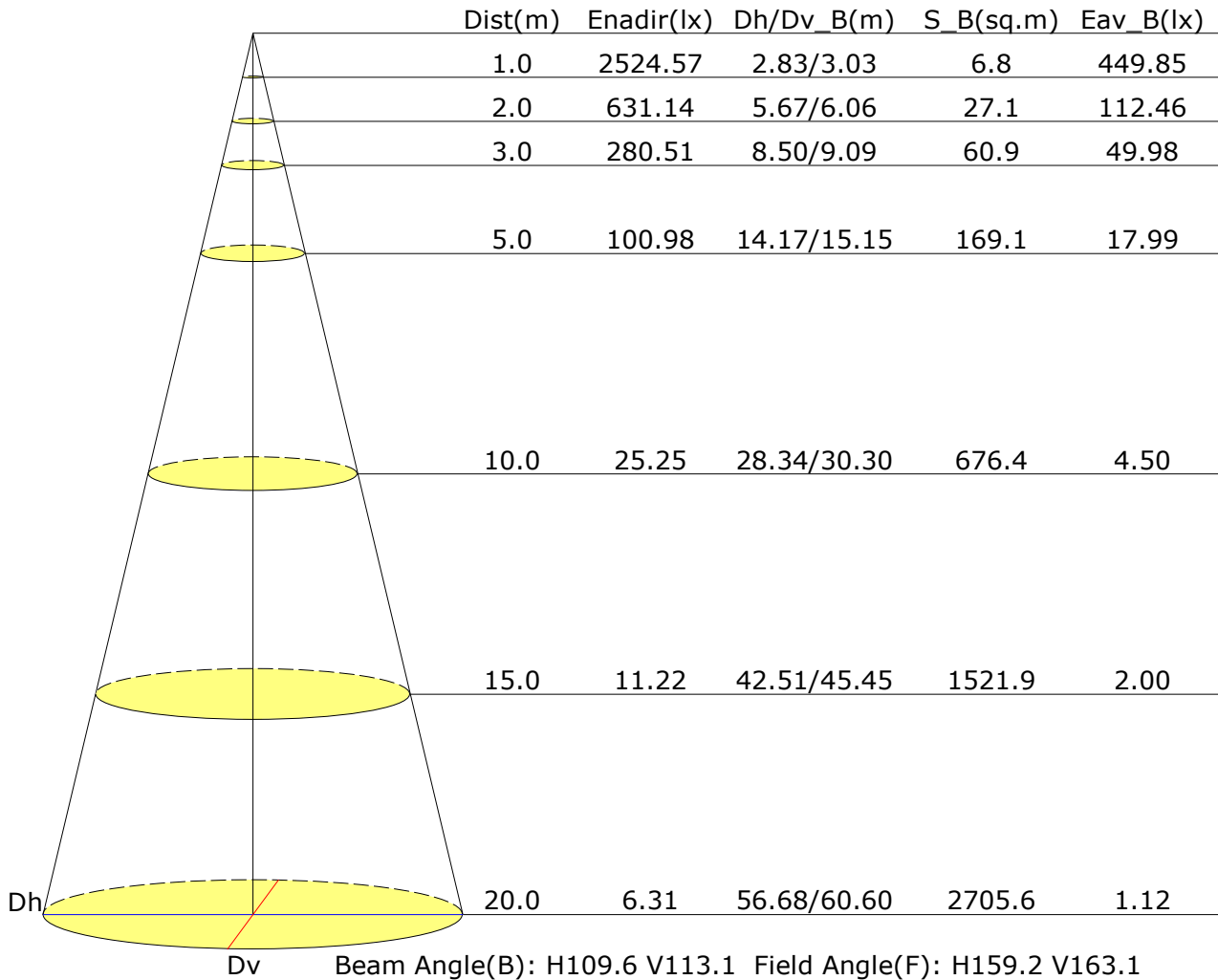


| L(cd/sq.m) | G45 | G50 | G55 | G60 | G65 | G70 | G75 | G80 | G85 |
|------------|------|------|------|------|------|------|------|------|------|
| C0 | 4575 | 4456 | 4301 | 4135 | 3916 | 3641 | 3234 | 2648 | 2070 |
| C90 | 4843 | 4773 | 4696 | 4602 | 4462 | 4310 | 4087 | 3841 | 3533 |
| C180 | 4590 | 4510 | 4402 | 4221 | 4023 | 3724 | 3387 | 2808 | 1703 |
| C270 | 4681 | 4593 | 4495 | 4350 | 4157 | 3948 | 3702 | 3312 | 2615 |

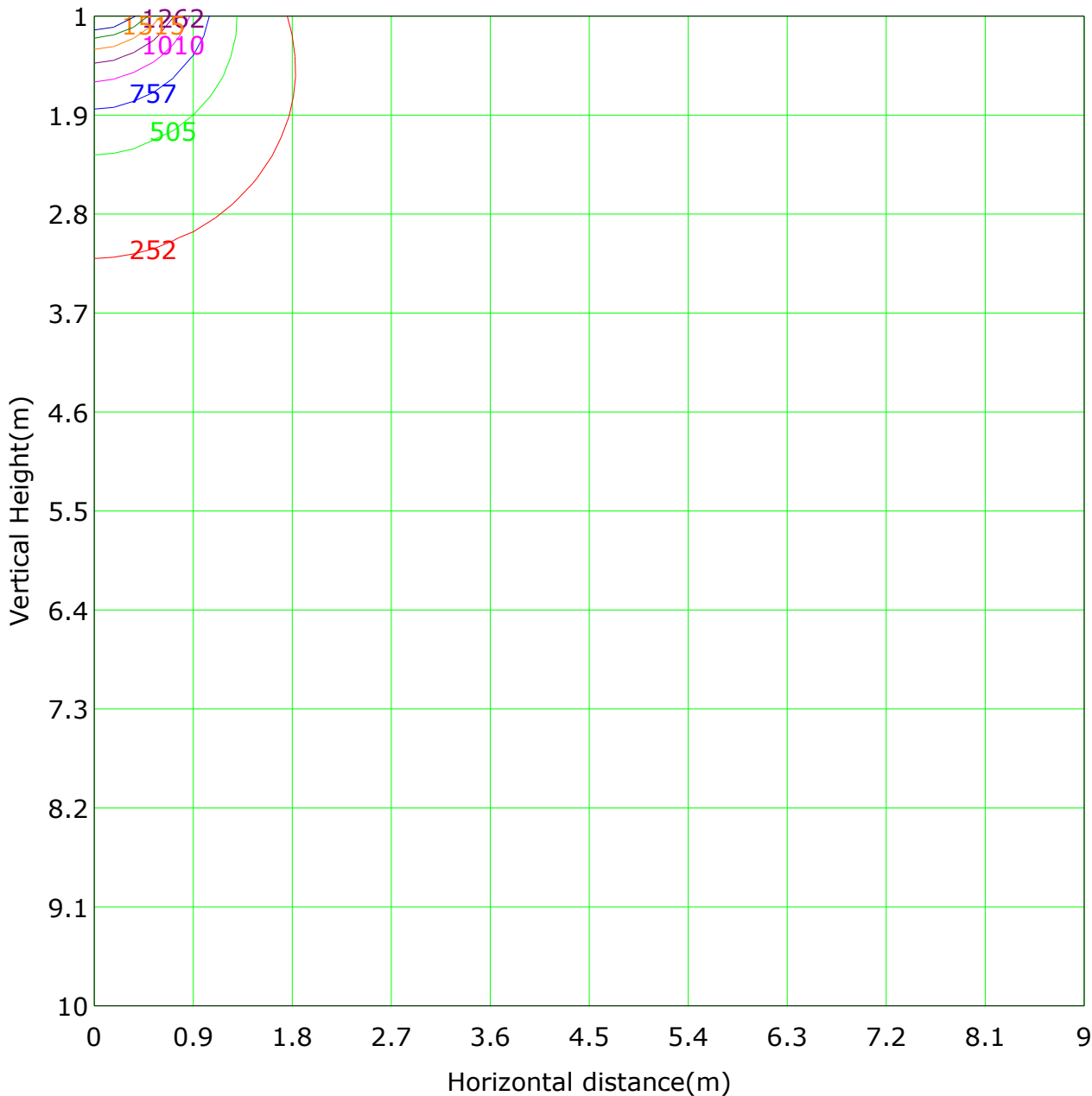
C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.684 m [K=1.0000]
Humidity: 65
Inspector:

Illuminance at a Distance



Vertical IsoLux Plot

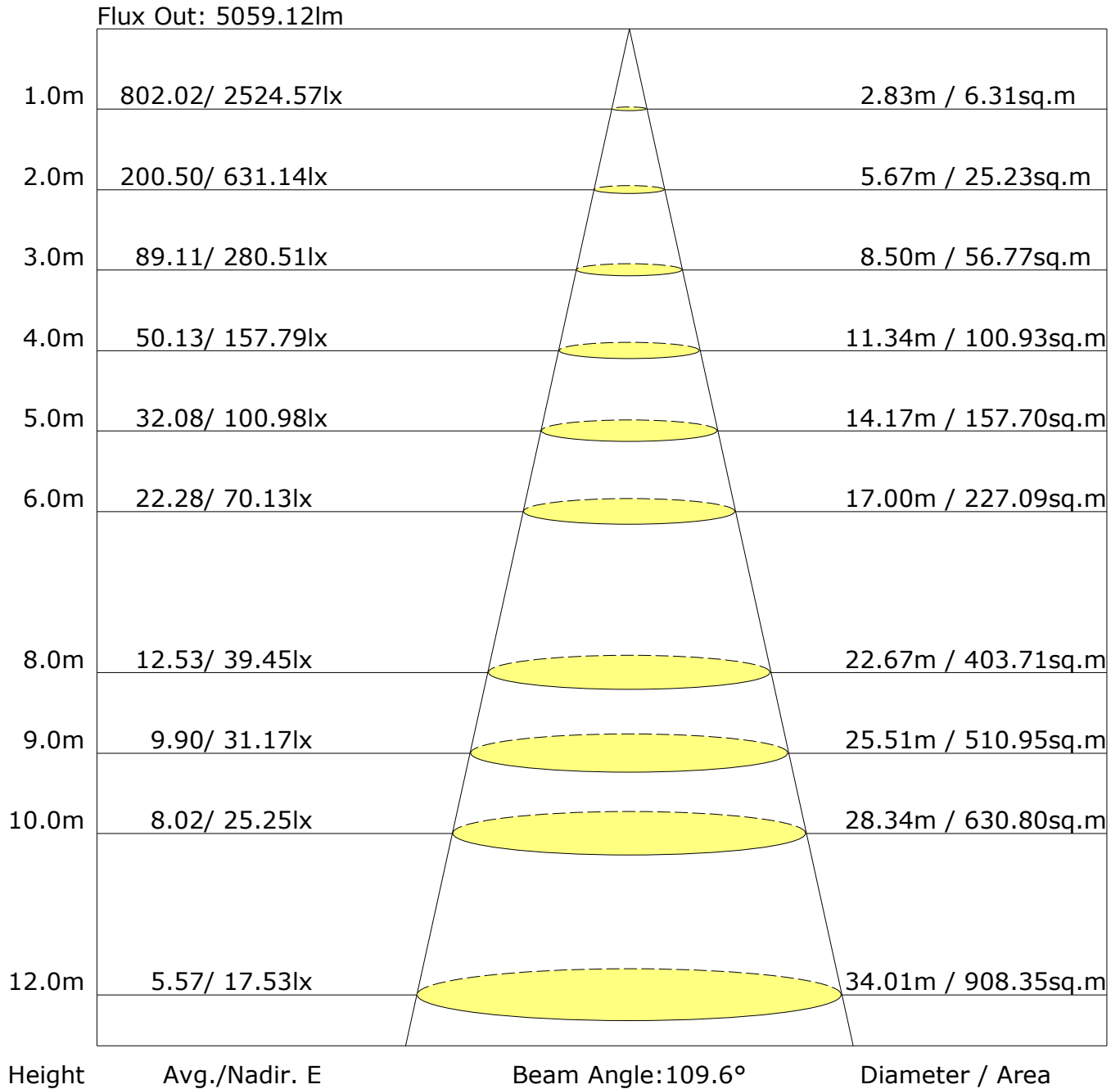


| | | | | | |
|--------------------|--|--------------------|--|--------------------|--|
| Lowest(m): 1.0m | | Highest(m): 10.0m | | Max Lux: 2524.6 lx | |
| — (10%): 252.5 lx | | — (20%): 504.9 lx | | — (40%):1009.8 lx | |
| — (30%): 757.4 lx | | — (60%):1514.7 lx | | — (80%):2019.7 lx | |
| — (50%):1262.3 lx | | | | | |
| — (70%):1767.2 lx | | | | | |

C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.684 m [K=1.0000]
Humidity: 65
Inspector:

The Average Illuminance Effective Figure



C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.684 m [K=1.0000]
Humidity: 65
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 | 17.6 | 19.0 | 17.9 | 19.2 | 19.5 | 17.9 | 19.2 | 18.2 | 19.5 | 19.8 |
| 3H | 19.1 | 20.3 | 19.4 | 20.6 | 20.9 | 19.5 | 20.7 | 19.8 | 21.0 | 21.3 |
| 4H | 19.6 | 20.8 | 20.0 | 21.1 | 21.4 | 20.1 | 21.3 | 20.5 | 21.6 | 21.9 |
| 6H | 20.0 | 21.1 | 20.3 | 21.4 | 21.7 | 20.6 | 21.7 | 21.0 | 22.0 | 22.4 |
| 8H | 20.1 | 21.1 | 20.4 | 21.5 | 21.8 | 20.8 | 21.8 | 21.2 | 22.2 | 22.5 |
| 12H | 20.1 | 21.1 | 20.5 | 21.5 | 21.8 | 20.9 | 21.9 | 21.3 | 22.2 | 22.6 |
| X=4H Y=2H | 18.3 | 19.5 | 18.7 | 19.8 | 20.1 | 18.5 | 19.7 | 18.9 | 20.0 | 20.3 |
| 3H | 19.9 | 21.0 | 20.3 | 21.3 | 21.7 | 20.3 | 21.3 | 20.7 | 21.6 | 22.0 |
| 4H | 20.6 | 21.5 | 21.0 | 21.9 | 22.3 | 21.1 | 22.0 | 21.5 | 22.4 | 22.7 |
| 6H | 21.1 | 21.9 | 21.5 | 22.3 | 22.7 | 21.7 | 22.5 | 22.1 | 22.9 | 23.3 |
| 8H | 21.2 | 22.0 | 21.7 | 22.4 | 22.8 | 21.9 | 22.6 | 22.4 | 23.1 | 23.5 |
| 12H | 21.3 | 22.0 | 21.8 | 22.4 | 22.9 | 22.1 | 22.7 | 22.5 | 23.2 | 23.6 |
| X=8H Y=4H | 20.9 | 21.7 | 21.4 | 22.1 | 22.5 | 21.3 | 22.1 | 21.8 | 22.5 | 22.9 |
| 6H | 21.5 | 22.1 | 22.0 | 22.6 | 23.1 | 22.1 | 22.7 | 22.6 | 23.1 | 23.6 |
| 8H | 21.7 | 22.3 | 22.2 | 22.7 | 23.2 | 22.4 | 22.9 | 22.9 | 23.4 | 23.9 |
| 12H | 21.9 | 22.3 | 22.4 | 22.8 | 23.3 | 22.6 | 23.1 | 23.1 | 23.6 | 24.1 |
| X=12H Y=4H | 21.0 | 21.6 | 21.4 | 22.1 | 22.5 | 21.3 | 22.0 | 21.8 | 22.4 | 22.9 |
| 6H | 21.6 | 22.1 | 22.1 | 22.6 | 23.1 | 22.1 | 22.7 | 22.6 | 23.1 | 23.6 |
| 8H | 21.8 | 22.3 | 22.4 | 22.8 | 23.3 | 22.5 | 22.9 | 23.0 | 23.4 | 23.9 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S=1.0H | | | | | | +0.2/-0.2 | | | | |
| S=1.5H | | | | | | +0.3/-0.5 | | | | |
| S=2.0H | | | | | | +0.5/-0.9 | | | | |

Calculate in accordance with CIE Pub.117. The table is revised with 7196lm ($8\log(F/F_0) = 6.9$).

C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.684 m [K=1.0000]
Humidity: 65
Inspector:

Zonal Lumen

| Gamma [°] | I _{mean} [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 0.0-1.0 | 2524.2 | 2.4 | 2.4 | 0.03 | 0.03 |
| 1.0-2.0 | 2521.7 | 7.2 | 9.7 | 0.10 | 0.13 |
| 2.0-3.0 | 2518.5 | 12.0 | 21.7 | 0.17 | 0.30 |
| 3.0-4.0 | 2516.1 | 16.8 | 38.5 | 0.23 | 0.54 |
| 4.0-5.0 | 2512.5 | 21.6 | 60.2 | 0.30 | 0.84 |
| 5.0-6.0 | 2507.9 | 26.4 | 86.5 | 0.37 | 1.20 |
| 6.0-7.0 | 2502.6 | 31.1 | 117.6 | 0.43 | 1.63 |
| 7.0-8.0 | 2496.8 | 35.7 | 153.3 | 0.50 | 2.13 |
| 8.0-9.0 | 2490.2 | 40.4 | 193.7 | 0.56 | 2.69 |
| 9.0-10.0 | 2482.5 | 44.9 | 238.6 | 0.62 | 3.32 |
| 10.0-11.0 | 2473.5 | 49.4 | 288.1 | 0.69 | 4.00 |
| 11.0-12.0 | 2463.8 | 53.9 | 341.9 | 0.75 | 4.75 |
| 12.0-13.0 | 2453.2 | 58.2 | 400.1 | 0.81 | 5.56 |
| 13.0-14.0 | 2438.1 | 62.4 | 462.6 | 0.87 | 6.43 |
| 14.0-15.0 | 2420.7 | 66.5 | 529.0 | 0.92 | 7.35 |
| 15.0-16.0 | 2402.7 | 70.4 | 599.4 | 0.98 | 8.33 |
| 16.0-17.0 | 2388.9 | 74.4 | 673.8 | 1.03 | 9.36 |
| 17.0-18.0 | 2378.9 | 78.4 | 752.3 | 1.09 | 10.45 |
| 18.0-19.0 | 2367.8 | 82.4 | 834.7 | 1.14 | 11.60 |
| 19.0-20.0 | 2354.6 | 86.2 | 920.9 | 1.20 | 12.80 |
| 20.0-21.0 | 2337.3 | 89.8 | 1010.6 | 1.25 | 14.04 |
| 21.0-22.0 | 2315.6 | 93.1 | 1103.7 | 1.29 | 15.34 |
| 22.0-23.0 | 2293.5 | 96.2 | 1199.9 | 1.34 | 16.67 |
| 23.0-24.0 | 2273.6 | 99.4 | 1299.4 | 1.38 | 18.06 |
| 24.0-25.0 | 2252.4 | 102.4 | 1401.8 | 1.42 | 19.48 |
| 25.0-26.0 | 2230.8 | 105.3 | 1507.1 | 1.46 | 20.94 |
| 26.0-27.0 | 2208.7 | 108.1 | 1615.2 | 1.50 | 22.44 |
| 27.0-28.0 | 2185.9 | 110.7 | 1725.9 | 1.54 | 23.98 |
| 28.0-29.0 | 2162.4 | 113.1 | 1839.0 | 1.57 | 25.55 |
| 29.0-30.0 | 2137.9 | 115.4 | 1954.5 | 1.60 | 27.16 |
| 30.0-31.0 | 2112.0 | 117.5 | 2072.0 | 1.63 | 28.79 |
| 31.0-32.0 | 2088.4 | 119.7 | 2191.7 | 1.66 | 30.46 |
| 32.0-33.0 | 2064.7 | 121.7 | 2313.3 | 1.69 | 32.15 |
| 33.0-34.0 | 2036.9 | 123.3 | 2436.6 | 1.71 | 33.86 |
| 34.0-35.0 | 2005.7 | 124.6 | 2561.2 | 1.73 | 35.59 |
| 35.0-36.0 | 1974.2 | 125.7 | 2686.9 | 1.75 | 37.34 |

C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.684 m [K=1.0000]
Humidity: 65
Inspector:

Zonal Lumen (Continue 1)

| Gamma [°] | Imean [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|--------------|---------------|--------------------|------------------------|-----------------------|---------------------------|
| 36.0-37.0 | 1944.3 | 126.8 | 2813.7 | 1.76 | 39.10 |
| 37.0-38.0 | 1914.4 | 127.8 | 2941.5 | 1.78 | 40.88 |
| 38.0-39.0 | 1885.3 | 128.7 | 3070.2 | 1.79 | 42.66 |
| 39.0-40.0 | 1854.8 | 129.4 | 3199.6 | 1.80 | 44.46 |
| 40.0-41.0 | 1821.3 | 129.7 | 3329.3 | 1.80 | 46.26 |
| 41.0-42.0 | 1784.6 | 129.7 | 3459.0 | 1.80 | 48.07 |
| 42.0-43.0 | 1747.7 | 129.5 | 3588.5 | 1.80 | 49.87 |
| 43.0-44.0 | 1713.3 | 129.3 | 3717.8 | 1.80 | 51.66 |
| 44.0-45.0 | 1678.7 | 129.0 | 3846.8 | 1.79 | 53.46 |
| 45.0-46.0 | 1643.3 | 128.5 | 3975.4 | 1.79 | 55.24 |
| 46.0-47.0 | 1608.0 | 127.9 | 4103.3 | 1.78 | 57.02 |
| 47.0-48.0 | 1571.9 | 127.1 | 4230.4 | 1.77 | 58.79 |
| 48.0-49.0 | 1535.9 | 126.1 | 4356.5 | 1.75 | 60.54 |
| 49.0-50.0 | 1499.6 | 125.0 | 4481.6 | 1.74 | 62.28 |
| 50.0-51.0 | 1462.2 | 123.7 | 4605.3 | 1.72 | 64.00 |
| 51.0-52.0 | 1424.8 | 122.3 | 4727.6 | 1.70 | 65.69 |
| 52.0-53.0 | 1387.0 | 120.7 | 4848.2 | 1.68 | 67.37 |
| 53.0-54.0 | 1348.4 | 118.9 | 4967.1 | 1.65 | 69.02 |
| 54.0-55.0 | 1309.2 | 116.9 | 5084.0 | 1.62 | 70.65 |
| 55.0-56.0 | 1270.2 | 114.8 | 5198.8 | 1.60 | 72.24 |
| 56.0-57.0 | 1230.7 | 112.5 | 5311.3 | 1.56 | 73.81 |
| 57.0-58.0 | 1190.2 | 110.1 | 5421.4 | 1.53 | 75.34 |
| 58.0-59.0 | 1149.4 | 107.5 | 5528.9 | 1.49 | 76.83 |
| 59.0-60.0 | 1108.3 | 104.7 | 5633.6 | 1.46 | 78.28 |
| 60.0-61.0 | 1067.8 | 101.9 | 5735.5 | 1.42 | 79.70 |
| 61.0-62.0 | 1027.3 | 99.0 | 5834.5 | 1.38 | 81.08 |
| 62.0-63.0 | 985.7 | 95.9 | 5930.4 | 1.33 | 82.41 |
| 63.0-64.0 | 943.1 | 92.6 | 6022.9 | 1.29 | 83.69 |
| 64.0-65.0 | 900.3 | 89.1 | 6112.0 | 1.24 | 84.93 |
| 65.0-66.0 | 858.6 | 85.7 | 6197.7 | 1.19 | 86.12 |
| 66.0-67.0 | 817.8 | 82.2 | 6280.0 | 1.14 | 87.27 |
| 67.0-68.0 | 776.6 | 78.7 | 6358.6 | 1.09 | 88.36 |
| 68.0-69.0 | 734.4 | 74.9 | 6433.6 | 1.04 | 89.40 |
| 69.0-70.0 | 692.5 | 71.1 | 6504.7 | 0.99 | 90.39 |
| 70.0-71.0 | 650.1 | 67.2 | 6571.9 | 0.93 | 91.32 |
| 71.0-72.0 | 609.1 | 63.3 | 6635.2 | 0.88 | 92.20 |

C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.684 m [K=1.0000]
Humidity: 65
Inspector:

Zonal Lumen (Continue 2)

| Gamma [°] | Imean [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|--------------|---------------|--------------------|------------------------|-----------------------|---------------------------|
| 72.0-73.0 | 569.6 | 59.6 | 6694.8 | 0.83 | 93.03 |
| 73.0-74.0 | 529.6 | 55.7 | 6750.5 | 0.77 | 93.80 |
| 74.0-75.0 | 489.1 | 51.7 | 6802.2 | 0.72 | 94.52 |
| 75.0-76.0 | 448.9 | 47.7 | 6849.8 | 0.66 | 95.19 |
| 76.0-77.0 | 409.1 | 43.6 | 6893.5 | 0.61 | 95.79 |
| 77.0-78.0 | 369.5 | 39.6 | 6933.0 | 0.55 | 96.34 |
| 78.0-79.0 | 330.8 | 35.5 | 6968.6 | 0.49 | 96.84 |
| 79.0-80.0 | 293.4 | 31.6 | 7000.2 | 0.44 | 97.27 |
| 80.0-81.0 | 256.2 | 27.7 | 7027.9 | 0.39 | 97.66 |
| 81.0-82.0 | 219.5 | 23.8 | 7051.7 | 0.33 | 97.99 |
| 82.0-83.0 | 183.8 | 20.0 | 7071.7 | 0.28 | 98.27 |
| 83.0-84.0 | 150.2 | 16.4 | 7088.1 | 0.23 | 98.50 |
| 84.0-85.0 | 121.6 | 13.3 | 7101.3 | 0.18 | 98.68 |
| 85.0-86.0 | 97.3 | 10.6 | 7112.0 | 0.15 | 98.83 |
| 86.0-87.0 | 76.0 | 8.3 | 7120.3 | 0.12 | 98.94 |
| 87.0-88.0 | 56.7 | 6.2 | 7126.5 | 0.09 | 99.03 |
| 88.0-89.0 | 38.7 | 4.2 | 7130.8 | 0.06 | 99.09 |
| 89.0-90.0 | 21.7 | 2.4 | 7133.1 | 0.03 | 99.12 |
| 90.0-91.0 | 8.9 | 1.0 | 7134.1 | 0.01 | 99.14 |
| 91.0-92.0 | 4.3 | 0.5 | 7134.6 | 0.01 | 99.14 |
| 92.0-93.0 | 4.2 | 0.5 | 7135.0 | 0.01 | 99.15 |
| 93.0-94.0 | 4.4 | 0.5 | 7135.5 | 0.01 | 99.16 |
| 94.0-95.0 | 4.7 | 0.5 | 7136.0 | 0.01 | 99.16 |
| 95.0-96.0 | 4.9 | 0.5 | 7136.6 | 0.01 | 99.17 |
| 96.0-97.0 | 5.1 | 0.6 | 7137.1 | 0.01 | 99.18 |
| 97.0-98.0 | 5.3 | 0.6 | 7137.7 | 0.01 | 99.19 |
| 98.0-99.0 | 5.5 | 0.6 | 7138.3 | 0.01 | 99.19 |
| 99.0-100.0 | 5.7 | 0.6 | 7138.9 | 0.01 | 99.20 |
| 100.0-101.0 | 5.9 | 0.6 | 7139.5 | 0.01 | 99.21 |
| 101.0-102.0 | 6.2 | 0.7 | 7140.2 | 0.01 | 99.22 |
| 102.0-103.0 | 6.4 | 0.7 | 7140.9 | 0.01 | 99.23 |
| 103.0-104.0 | 6.6 | 0.7 | 7141.6 | 0.01 | 99.24 |
| 104.0-105.0 | 6.8 | 0.7 | 7142.3 | 0.01 | 99.25 |
| 105.0-106.0 | 7.0 | 0.7 | 7143.1 | 0.01 | 99.26 |
| 106.0-107.0 | 7.2 | 0.8 | 7143.8 | 0.01 | 99.27 |
| 107.0-108.0 | 7.5 | 0.8 | 7144.6 | 0.01 | 99.28 |

C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.684 m [K=1.0000]
Humidity: 65
Inspector:

Zonal Lumen (Continue 3)

| Gamma [°] | I _{mean} [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 108.0-109.0 | 7.7 | 0.8 | 7145.4 | 0.01 | 99.29 |
| 109.0-110.0 | 7.9 | 0.8 | 7146.2 | 0.01 | 99.30 |
| 110.0-111.0 | 8.1 | 0.8 | 7147.0 | 0.01 | 99.32 |
| 111.0-112.0 | 8.3 | 0.9 | 7147.9 | 0.01 | 99.33 |
| 112.0-113.0 | 8.6 | 0.9 | 7148.8 | 0.01 | 99.34 |
| 113.0-114.0 | 8.7 | 0.9 | 7149.6 | 0.01 | 99.35 |
| 114.0-115.0 | 8.9 | 0.9 | 7150.5 | 0.01 | 99.36 |
| 115.0-116.0 | 9.1 | 0.9 | 7151.4 | 0.01 | 99.38 |
| 116.0-117.0 | 9.3 | 0.9 | 7152.4 | 0.01 | 99.39 |
| 117.0-118.0 | 9.5 | 0.9 | 7153.3 | 0.01 | 99.40 |
| 118.0-119.0 | 9.6 | 0.9 | 7154.2 | 0.01 | 99.41 |
| 119.0-120.0 | 9.8 | 0.9 | 7155.1 | 0.01 | 99.43 |
| 120.0-121.0 | 10.0 | 0.9 | 7156.1 | 0.01 | 99.44 |
| 121.0-122.0 | 10.2 | 1.0 | 7157.0 | 0.01 | 99.45 |
| 122.0-123.0 | 10.4 | 1.0 | 7158.0 | 0.01 | 99.47 |
| 123.0-124.0 | 10.6 | 1.0 | 7159.0 | 0.01 | 99.48 |
| 124.0-125.0 | 10.8 | 1.0 | 7159.9 | 0.01 | 99.49 |
| 125.0-126.0 | 10.9 | 1.0 | 7160.9 | 0.01 | 99.51 |
| 126.0-127.0 | 11.1 | 1.0 | 7161.9 | 0.01 | 99.52 |
| 127.0-128.0 | 11.2 | 1.0 | 7162.9 | 0.01 | 99.54 |
| 128.0-129.0 | 11.4 | 1.0 | 7163.8 | 0.01 | 99.55 |
| 129.0-130.0 | 11.6 | 1.0 | 7164.8 | 0.01 | 99.56 |
| 130.0-131.0 | 11.7 | 1.0 | 7165.8 | 0.01 | 99.58 |
| 131.0-132.0 | 11.9 | 1.0 | 7166.8 | 0.01 | 99.59 |
| 132.0-133.0 | 12.1 | 1.0 | 7167.8 | 0.01 | 99.60 |
| 133.0-134.0 | 12.2 | 1.0 | 7168.7 | 0.01 | 99.62 |
| 134.0-135.0 | 12.4 | 1.0 | 7169.7 | 0.01 | 99.63 |
| 135.0-136.0 | 12.6 | 1.0 | 7170.7 | 0.01 | 99.64 |
| 136.0-137.0 | 12.8 | 1.0 | 7171.6 | 0.01 | 99.66 |
| 137.0-138.0 | 12.9 | 1.0 | 7172.6 | 0.01 | 99.67 |
| 138.0-139.0 | 13.1 | 0.9 | 7173.5 | 0.01 | 99.68 |
| 139.0-140.0 | 13.2 | 0.9 | 7174.5 | 0.01 | 99.70 |
| 140.0-141.0 | 13.3 | 0.9 | 7175.4 | 0.01 | 99.71 |
| 141.0-142.0 | 13.5 | 0.9 | 7176.3 | 0.01 | 99.72 |
| 142.0-143.0 | 13.6 | 0.9 | 7177.2 | 0.01 | 99.73 |
| 143.0-144.0 | 13.8 | 0.9 | 7178.1 | 0.01 | 99.75 |

C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.684 m [K=1.0000]
Humidity: 65
Inspector:

Zonal Lumen (Continue 4)

| Gamma [°] | I _{mean} [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 144.0-145.0 | 14.0 | 0.9 | 7179.0 | 0.01 | 99.76 |
| 145.0-146.0 | 14.1 | 0.9 | 7179.9 | 0.01 | 99.77 |
| 146.0-147.0 | 14.2 | 0.9 | 7180.8 | 0.01 | 99.78 |
| 147.0-148.0 | 14.3 | 0.8 | 7181.6 | 0.01 | 99.80 |
| 148.0-149.0 | 14.4 | 0.8 | 7182.4 | 0.01 | 99.81 |
| 149.0-150.0 | 14.5 | 0.8 | 7183.2 | 0.01 | 99.82 |
| 150.0-151.0 | 14.7 | 0.8 | 7184.0 | 0.01 | 99.83 |
| 151.0-152.0 | 14.8 | 0.8 | 7184.8 | 0.01 | 99.84 |
| 152.0-153.0 | 14.9 | 0.8 | 7185.6 | 0.01 | 99.85 |
| 153.0-154.0 | 15.0 | 0.7 | 7186.3 | 0.01 | 99.86 |
| 154.0-155.0 | 15.1 | 0.7 | 7187.0 | 0.01 | 99.87 |
| 155.0-156.0 | 15.1 | 0.7 | 7187.7 | 0.01 | 99.88 |
| 156.0-157.0 | 15.3 | 0.7 | 7188.4 | 0.01 | 99.89 |
| 157.0-158.0 | 15.5 | 0.6 | 7189.0 | 0.01 | 99.90 |
| 158.0-159.0 | 15.5 | 0.6 | 7189.6 | 0.01 | 99.91 |
| 159.0-160.0 | 15.5 | 0.6 | 7190.2 | 0.01 | 99.92 |
| 160.0-161.0 | 15.6 | 0.6 | 7190.8 | 0.01 | 99.92 |
| 161.0-162.0 | 15.7 | 0.5 | 7191.3 | 0.01 | 99.93 |
| 162.0-163.0 | 15.8 | 0.5 | 7191.9 | 0.01 | 99.94 |
| 163.0-164.0 | 15.8 | 0.5 | 7192.4 | 0.01 | 99.94 |
| 164.0-165.0 | 15.8 | 0.5 | 7192.8 | 0.01 | 99.95 |
| 165.0-166.0 | 16.0 | 0.4 | 7193.3 | 0.01 | 99.96 |
| 166.0-167.0 | 16.1 | 0.4 | 7193.7 | 0.01 | 99.96 |
| 167.0-168.0 | 16.1 | 0.4 | 7194.0 | 0.01 | 99.97 |
| 168.0-169.0 | 16.2 | 0.4 | 7194.4 | 0.00 | 99.97 |
| 169.0-170.0 | 16.3 | 0.3 | 7194.7 | 0.00 | 99.98 |
| 170.0-171.0 | 16.4 | 0.3 | 7195.0 | 0.00 | 99.98 |
| 171.0-172.0 | 16.5 | 0.3 | 7195.3 | 0.00 | 99.99 |
| 172.0-173.0 | 16.6 | 0.2 | 7195.5 | 0.00 | 99.99 |
| 173.0-174.0 | 16.7 | 0.2 | 7195.7 | 0.00 | 99.99 |
| 174.0-175.0 | 16.7 | 0.2 | 7195.9 | 0.00 | 99.99 |
| 175.0-176.0 | 16.7 | 0.1 | 7196.1 | 0.00 | 100.00 |
| 176.0-177.0 | 16.7 | 0.1 | 7196.2 | 0.00 | 100.00 |
| 177.0-178.0 | 16.8 | 0.1 | 7196.2 | 0.00 | 100.00 |
| 178.0-179.0 | 16.8 | 0.0 | 7196.3 | 0.00 | 100.00 |
| 179.0-180.0 | 16.8 | 0.0 | 7196.3 | 0.00 | 100.00 |

C Plane (°):0.0-360.0: 90.0
 Test Lab: Inventfine instrument
 Test Type: TYPE C
 Temperature: 26
 Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.684 m [K=1.0000]
 Humidity: 65
 Inspector:

Zonal Lumen (Continue 5)

cone flux(90°): 3846.83 lm

%lum = 53.5%

%lamp = 53.5%

cone flux(120°): 5633.57 lm

%lum = 78.3%

%lamp = 78.3%

Candlepower Table

Unit: cd

| G\C | C0.0 | C90.0 | C180.0 | C270.0 | C360.0 | | | | | |
|-------|--------|--------|--------|--------|--------|--|--|--|--|--|
| G0.0 | 2524.6 | 2524.6 | 2524.6 | 2524.6 | 2524.6 | | | | | |
| G1.0 | 2521.3 | 2525.0 | 2525.5 | 2523.8 | 2521.3 | | | | | |
| G2.0 | 2518.3 | 2524.0 | 2527.5 | 2507.9 | 2518.3 | | | | | |
| G3.0 | 2514.4 | 2522.7 | 2528.1 | 2505.0 | 2514.4 | | | | | |
| G4.0 | 2509.1 | 2520.5 | 2527.1 | 2501.6 | 2509.1 | | | | | |
| G5.0 | 2502.8 | 2516.9 | 2524.6 | 2497.4 | 2502.8 | | | | | |
| G6.0 | 2495.3 | 2512.9 | 2521.9 | 2491.5 | 2495.3 | | | | | |
| G7.0 | 2487.8 | 2507.5 | 2518.9 | 2485.0 | 2487.8 | | | | | |
| G8.0 | 2478.8 | 2502.6 | 2514.8 | 2478.7 | 2478.8 | | | | | |
| G9.0 | 2469.8 | 2495.5 | 2510.2 | 2471.2 | 2469.8 | | | | | |
| G10.0 | 2460.2 | 2488.5 | 2502.5 | 2461.7 | 2460.2 | | | | | |
| G11.0 | 2447.9 | 2478.9 | 2495.5 | 2452.7 | 2447.9 | | | | | |
| G12.0 | 2437.2 | 2469.9 | 2486.4 | 2441.8 | 2437.2 | | | | | |
| G13.0 | 2423.7 | 2460.6 | 2475.8 | 2429.8 | 2423.7 | | | | | |
| G14.0 | 2383.7 | 2448.5 | 2464.7 | 2418.0 | 2383.7 | | | | | |
| G15.0 | 2370.9 | 2423.4 | 2452.3 | 2404.0 | 2370.9 | | | | | |
| G16.0 | 2356.3 | 2411.3 | 2412.5 | 2390.8 | 2356.3 | | | | | |
| G17.0 | 2366.9 | 2397.8 | 2399.3 | 2376.2 | 2366.9 | | | | | |
| G18.0 | 2351.0 | 2396.6 | 2383.3 | 2359.9 | 2351.0 | | | | | |
| G19.0 | 2332.6 | 2380.2 | 2394.8 | 2343.9 | 2332.6 | | | | | |
| G20.0 | 2315.2 | 2364.9 | 2378.3 | 2326.8 | 2315.2 | | | | | |
| G21.0 | 2297.7 | 2348.8 | 2358.9 | 2307.5 | 2297.7 | | | | | |
| G22.0 | 2277.7 | 2329.5 | 2315.7 | 2289.1 | 2277.7 | | | | | |
| G23.0 | 2258.2 | 2311.1 | 2296.3 | 2270.2 | 2258.2 | | | | | |
| G24.0 | 2237.3 | 2292.7 | 2274.5 | 2248.5 | 2237.3 | | | | | |
| G25.0 | 2213.6 | 2271.1 | 2253.7 | 2227.9 | 2213.6 | | | | | |
| G26.0 | 2191.3 | 2250.7 | 2231.4 | 2207.0 | 2191.3 | | | | | |
| G27.0 | 2169.5 | 2230.0 | 2206.9 | 2183.2 | 2169.5 | | | | | |
| G28.0 | 2146.1 | 2207.5 | 2183.3 | 2160.8 | 2146.1 | | | | | |
| G29.0 | 2121.1 | 2184.7 | 2158.7 | 2137.1 | 2121.1 | | | | | |
| G30.0 | 2096.1 | 2159.1 | 2133.0 | 2113.5 | 2096.1 | | | | | |
| G31.0 | 2068.2 | 2135.1 | 2104.8 | 2086.2 | 2068.2 | | | | | |
| G32.0 | 2042.6 | 2109.0 | 2100.6 | 2061.0 | 2042.6 | | | | | |
| G33.0 | 2013.1 | 2083.9 | 2072.2 | 2035.3 | 2013.1 | | | | | |
| G34.0 | 1986.0 | 2058.1 | 2040.0 | 2006.2 | 1986.0 | | | | | |
| G35.0 | 1957.8 | 2031.6 | 1987.8 | 1978.4 | 1957.8 | | | | | |
| G36.0 | 1928.3 | 2002.0 | 1956.9 | 1950.5 | 1928.3 | | | | | |

C Plane (°):0.0-360.0: 90.0
 Test Lab: Inventfine instrument
 Test Type: TYPE C
 Temperature: 26
 Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.684 m [K=1.0000]
 Humidity: 65
 Inspector:

Candlepower Table (Continue 1)

Unit: cd

| G\C | C0.0 | C90.0 | C180.0 | C270.0 | C360.0 | | | | | |
|-------|--------|--------|--------|--------|--------|--|--|--|--|--|
| G37.0 | 1895.4 | 1974.2 | 1924.9 | 1922.1 | 1895.4 | | | | | |
| G38.0 | 1864.8 | 1945.3 | 1898.1 | 1890.8 | 1864.8 | | | | | |
| G39.0 | 1833.6 | 1913.3 | 1875.5 | 1861.0 | 1833.6 | | | | | |
| G40.0 | 1801.5 | 1882.8 | 1840.0 | 1830.6 | 1801.5 | | | | | |
| G41.0 | 1765.9 | 1852.8 | 1799.9 | 1797.0 | 1765.9 | | | | | |
| G42.0 | 1732.3 | 1821.3 | 1743.1 | 1764.6 | 1732.3 | | | | | |
| G43.0 | 1698.3 | 1786.1 | 1706.2 | 1729.7 | 1698.3 | | | | | |
| G44.0 | 1664.3 | 1754.2 | 1670.3 | 1697.5 | 1664.3 | | | | | |
| G45.0 | 1626.3 | 1721.4 | 1631.5 | 1663.9 | 1626.3 | | | | | |
| G46.0 | 1590.8 | 1684.9 | 1597.4 | 1630.2 | 1590.8 | | | | | |
| G47.0 | 1554.4 | 1651.0 | 1563.2 | 1592.5 | 1554.4 | | | | | |
| G48.0 | 1514.5 | 1615.9 | 1525.7 | 1557.6 | 1514.5 | | | | | |
| G49.0 | 1477.5 | 1581.2 | 1491.9 | 1523.0 | 1477.5 | | | | | |
| G50.0 | 1439.8 | 1542.1 | 1457.3 | 1484.0 | 1439.8 | | | | | |
| G51.0 | 1401.8 | 1505.6 | 1418.6 | 1448.7 | 1401.8 | | | | | |
| G52.0 | 1359.5 | 1469.4 | 1383.1 | 1411.7 | 1359.5 | | | | | |
| G53.0 | 1321.8 | 1432.2 | 1347.1 | 1371.5 | 1321.8 | | | | | |
| G54.0 | 1283.2 | 1391.2 | 1306.3 | 1333.6 | 1283.2 | | | | | |
| G55.0 | 1240.1 | 1353.8 | 1269.1 | 1296.0 | 1240.1 | | | | | |
| G56.0 | 1201.4 | 1315.9 | 1231.4 | 1253.9 | 1201.4 | | | | | |
| G57.0 | 1161.8 | 1277.3 | 1188.3 | 1215.5 | 1161.8 | | | | | |
| G58.0 | 1118.9 | 1234.8 | 1148.7 | 1176.5 | 1118.9 | | | | | |
| G59.0 | 1079.6 | 1195.9 | 1107.5 | 1133.1 | 1079.6 | | | | | |
| G60.0 | 1039.3 | 1156.5 | 1060.9 | 1093.2 | 1039.3 | | | | | |
| G61.0 | 996.0 | 1113.0 | 1029.5 | 1053.8 | 996.0 | | | | | |
| G62.0 | 956.3 | 1073.0 | 986.7 | 1009.7 | 956.3 | | | | | |
| G63.0 | 916.2 | 1032.7 | 941.9 | 969.2 | 916.2 | | | | | |
| G64.0 | 876.3 | 988.2 | 892.5 | 927.8 | 876.3 | | | | | |
| G65.0 | 831.9 | 947.8 | 854.5 | 883.1 | 831.9 | | | | | |
| G66.0 | 791.0 | 906.9 | 811.8 | 841.8 | 791.0 | | | | | |
| G67.0 | 750.8 | 866.6 | 772.2 | 801.5 | 750.8 | | | | | |
| G68.0 | 706.1 | 821.9 | 731.8 | 761.6 | 706.1 | | | | | |
| G69.0 | 665.5 | 781.3 | 689.1 | 718.0 | 665.5 | | | | | |
| G70.0 | 626.0 | 741.1 | 640.2 | 678.8 | 626.0 | | | | | |
| G71.0 | 582.6 | 696.5 | 596.4 | 639.2 | 582.6 | | | | | |
| G72.0 | 543.4 | 656.2 | 557.8 | 600.8 | 543.4 | | | | | |
| G73.0 | 503.5 | 615.7 | 520.3 | 558.7 | 503.5 | | | | | |

C Plane (°):0.0-360.0: 90.0
 Test Lab: Inventfine instrument
 Test Type: TYPE C
 Temperature: 26
 Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.684 m [K=1.0000]
 Humidity: 65
 Inspector:

Candlepower Table (Continue 2)

Unit: cd

| G\C | C0.0 | C90.0 | C180.0 | C270.0 | C360.0 | | | | | |
|--------|-------|-------|--------|--------|--------|--|--|--|--|--|
| G74.0 | 459.6 | 575.3 | 482.9 | 520.4 | 459.6 | | | | | |
| G75.0 | 420.7 | 531.6 | 440.6 | 481.6 | 420.7 | | | | | |
| G76.0 | 383.3 | 492.0 | 398.4 | 442.6 | 383.3 | | | | | |
| G77.0 | 342.7 | 453.1 | 360.4 | 400.2 | 342.7 | | | | | |
| G78.0 | 304.6 | 414.4 | 317.9 | 362.5 | 304.6 | | | | | |
| G79.0 | 270.3 | 372.7 | 278.1 | 325.7 | 270.3 | | | | | |
| G80.0 | 231.1 | 335.3 | 245.1 | 289.1 | 231.1 | | | | | |
| G81.0 | 196.8 | 294.3 | 207.1 | 251.3 | 196.8 | | | | | |
| G82.0 | 162.1 | 258.2 | 173.5 | 212.8 | 162.1 | | | | | |
| G83.0 | 128.0 | 222.7 | 135.1 | 178.0 | 128.0 | | | | | |
| G84.0 | 102.8 | 188.0 | 102.1 | 145.2 | 102.8 | | | | | |
| G85.0 | 90.7 | 154.8 | 74.6 | 114.6 | 90.7 | | | | | |
| G86.0 | 79.9 | 119.4 | 60.4 | 84.2 | 79.9 | | | | | |
| G87.0 | 65.4 | 90.0 | 49.1 | 59.8 | 65.4 | | | | | |
| G88.0 | 51.1 | 63.9 | 34.9 | 39.4 | 51.1 | | | | | |
| G89.0 | 36.3 | 42.0 | 20.0 | 22.0 | 36.3 | | | | | |
| G90.0 | 20.5 | 23.5 | 4.2 | 5.0 | 20.5 | | | | | |
| G91.0 | 4.8 | 5.7 | 3.5 | 4.1 | 4.8 | | | | | |
| G92.0 | 4.2 | 4.2 | 3.6 | 4.3 | 4.2 | | | | | |
| G93.0 | 4.5 | 4.5 | 3.8 | 4.5 | 4.5 | | | | | |
| G94.0 | 4.7 | 4.7 | 4.1 | 4.7 | 4.7 | | | | | |
| G95.0 | 4.9 | 4.9 | 4.3 | 5.0 | 4.9 | | | | | |
| G96.0 | 5.2 | 5.1 | 4.4 | 5.1 | 5.2 | | | | | |
| G97.0 | 5.4 | 5.3 | 4.7 | 5.4 | 5.4 | | | | | |
| G98.0 | 5.5 | 5.6 | 4.9 | 5.6 | 5.5 | | | | | |
| G99.0 | 5.8 | 5.8 | 5.0 | 5.8 | 5.8 | | | | | |
| G100.0 | 6.1 | 6.1 | 5.2 | 6.0 | 6.1 | | | | | |
| G101.0 | 6.2 | 6.3 | 5.5 | 6.2 | 6.2 | | | | | |
| G102.0 | 6.5 | 6.5 | 5.6 | 6.4 | 6.5 | | | | | |
| G103.0 | 6.7 | 6.7 | 5.8 | 6.7 | 6.7 | | | | | |
| G104.0 | 6.9 | 6.9 | 6.0 | 6.9 | 6.9 | | | | | |
| G105.0 | 7.2 | 7.2 | 6.2 | 7.1 | 7.2 | | | | | |
| G106.0 | 7.4 | 7.3 | 6.5 | 7.3 | 7.4 | | | | | |
| G107.0 | 7.7 | 7.6 | 6.7 | 7.6 | 7.7 | | | | | |
| G108.0 | 7.9 | 7.8 | 6.8 | 7.8 | 7.9 | | | | | |
| G109.0 | 8.1 | 8.0 | 7.1 | 8.0 | 8.1 | | | | | |
| G110.0 | 8.4 | 8.2 | 7.3 | 8.2 | 8.4 | | | | | |

C Plane (°):0.0-360.0: 90.0
 Test Lab: Inventfine instrument
 Test Type: TYPE C
 Temperature: 26
 Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.684 m [K=1.0000]
 Humidity: 65
 Inspector:

Candlepower Table (Continue 3)

Unit: cd

| G\C | C0.0 | C90.0 | C180.0 | C270.0 | C360.0 | | | | | |
|--------|------|-------|--------|--------|--------|--|--|--|--|--|
| G111.0 | 8.5 | 8.5 | 7.5 | 8.3 | 8.5 | | | | | |
| G112.0 | 8.9 | 8.7 | 7.7 | 8.5 | 8.9 | | | | | |
| G113.0 | 9.1 | 8.9 | 7.9 | 8.7 | 9.1 | | | | | |
| G114.0 | 9.3 | 9.1 | 8.1 | 8.9 | 9.3 | | | | | |
| G115.0 | 9.5 | 9.3 | 8.2 | 9.2 | 9.5 | | | | | |
| G116.0 | 9.6 | 9.5 | 8.3 | 9.4 | 9.6 | | | | | |
| G117.0 | 9.9 | 9.7 | 8.5 | 9.5 | 9.9 | | | | | |
| G118.0 | 10.0 | 9.9 | 8.6 | 9.6 | 10.0 | | | | | |
| G119.0 | 10.2 | 10.1 | 8.8 | 9.8 | 10.2 | | | | | |
| G120.0 | 10.5 | 10.2 | 8.9 | 10.1 | 10.5 | | | | | |
| G121.0 | 10.6 | 10.4 | 9.0 | 10.4 | 10.6 | | | | | |
| G122.0 | 10.8 | 10.6 | 9.2 | 10.3 | 10.8 | | | | | |
| G123.0 | 11.2 | 10.8 | 9.4 | 10.5 | 11.2 | | | | | |
| G124.0 | 11.2 | 11.0 | 9.7 | 10.7 | 11.2 | | | | | |
| G125.0 | 11.3 | 11.2 | 10.0 | 10.9 | 11.3 | | | | | |
| G126.0 | 11.6 | 11.4 | 10.0 | 11.1 | 11.6 | | | | | |
| G127.0 | 11.7 | 11.8 | 10.0 | 11.3 | 11.7 | | | | | |
| G128.0 | 11.8 | 11.7 | 10.1 | 11.5 | 11.8 | | | | | |
| G129.0 | 12.0 | 11.9 | 10.4 | 11.7 | 12.0 | | | | | |
| G130.0 | 12.2 | 12.1 | 10.5 | 11.8 | 12.2 | | | | | |
| G131.0 | 12.4 | 12.2 | 10.6 | 12.0 | 12.4 | | | | | |
| G132.0 | 12.5 | 12.4 | 10.8 | 12.2 | 12.5 | | | | | |
| G133.0 | 12.7 | 12.5 | 11.0 | 12.5 | 12.7 | | | | | |
| G134.0 | 12.9 | 12.7 | 11.2 | 12.4 | 12.9 | | | | | |
| G135.0 | 13.0 | 12.8 | 11.4 | 12.7 | 13.0 | | | | | |
| G136.0 | 13.1 | 13.0 | 11.7 | 12.8 | 13.1 | | | | | |
| G137.0 | 13.3 | 13.3 | 11.8 | 13.0 | 13.3 | | | | | |
| G138.0 | 13.4 | 13.4 | 11.9 | 13.2 | 13.4 | | | | | |
| G139.0 | 13.6 | 13.6 | 12.0 | 13.3 | 13.6 | | | | | |
| G140.0 | 13.7 | 13.6 | 12.2 | 13.4 | 13.7 | | | | | |
| G141.0 | 13.9 | 13.8 | 12.4 | 13.6 | 13.9 | | | | | |
| G142.0 | 14.0 | 13.9 | 12.5 | 13.8 | 14.0 | | | | | |
| G143.0 | 14.0 | 14.0 | 12.7 | 14.3 | 14.0 | | | | | |
| G144.0 | 14.2 | 14.2 | 12.9 | 14.4 | 14.2 | | | | | |
| G145.0 | 14.4 | 14.4 | 13.0 | 14.2 | 14.4 | | | | | |
| G146.0 | 14.5 | 14.5 | 13.1 | 14.4 | 14.5 | | | | | |
| G147.0 | 14.9 | 14.7 | 13.3 | 14.5 | 14.9 | | | | | |

C Plane (°):0.0-360.0: 90.0
 Test Lab: Inventfine instrument
 Test Type: TYPE C
 Temperature: 26
 Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.684 m [K=1.0000]
 Humidity: 65
 Inspector:

Candlepower Table (Continue 4)

Unit: cd

| G\C | C0.0 | C90.0 | C180.0 | C270.0 | C360.0 | | | | | |
|--------|------|-------|--------|--------|--------|--|--|--|--|--|
| G148.0 | 14.7 | 14.7 | 13.4 | 14.6 | 14.7 | | | | | |
| G149.0 | 14.8 | 14.9 | 13.6 | 14.6 | 14.8 | | | | | |
| G150.0 | 14.7 | 15.0 | 13.8 | 14.9 | 14.7 | | | | | |
| G151.0 | 14.9 | 15.1 | 13.9 | 15.0 | 14.9 | | | | | |
| G152.0 | 15.0 | 15.2 | 14.0 | 15.0 | 15.0 | | | | | |
| G153.0 | 15.1 | 15.4 | 14.1 | 15.1 | 15.1 | | | | | |
| G154.0 | 15.3 | 15.4 | 14.1 | 15.2 | 15.3 | | | | | |
| G155.0 | 15.4 | 15.4 | 14.2 | 15.3 | 15.4 | | | | | |
| G156.0 | 15.6 | 15.6 | 14.3 | 15.3 | 15.6 | | | | | |
| G157.0 | 15.6 | 15.7 | 14.9 | 15.5 | 15.6 | | | | | |
| G158.0 | 15.7 | 15.9 | 14.9 | 15.6 | 15.7 | | | | | |
| G159.0 | 15.7 | 15.9 | 14.7 | 15.6 | 15.7 | | | | | |
| G160.0 | 15.8 | 16.0 | 14.9 | 15.7 | 15.8 | | | | | |
| G161.0 | 15.9 | 16.0 | 14.9 | 15.7 | 15.9 | | | | | |
| G162.0 | 15.9 | 16.1 | 15.1 | 15.9 | 15.9 | | | | | |
| G163.0 | 15.8 | 16.2 | 15.2 | 15.9 | 15.8 | | | | | |
| G164.0 | 15.9 | 16.2 | 15.3 | 15.9 | 15.9 | | | | | |
| G165.0 | 15.9 | 16.3 | 15.3 | 16.0 | 15.9 | | | | | |
| G166.0 | 16.4 | 16.3 | 15.4 | 16.1 | 16.4 | | | | | |
| G167.0 | 16.3 | 16.4 | 15.6 | 16.2 | 16.3 | | | | | |
| G168.0 | 16.3 | 16.4 | 15.7 | 16.3 | 16.3 | | | | | |
| G169.0 | 16.3 | 16.5 | 15.8 | 16.4 | 16.3 | | | | | |
| G170.0 | 16.3 | 16.6 | 15.8 | 16.5 | 16.3 | | | | | |
| G171.0 | 16.5 | 16.6 | 16.0 | 16.6 | 16.5 | | | | | |
| G172.0 | 16.5 | 16.8 | 16.2 | 16.8 | 16.5 | | | | | |
| G173.0 | 16.5 | 16.8 | 16.2 | 16.9 | 16.5 | | | | | |
| G174.0 | 16.5 | 16.9 | 16.3 | 17.2 | 16.5 | | | | | |
| G175.0 | 16.5 | 17.0 | 16.4 | 16.9 | 16.5 | | | | | |
| G176.0 | 16.6 | 17.0 | 16.4 | 16.9 | 16.6 | | | | | |
| G177.0 | 16.6 | 17.0 | 16.5 | 16.9 | 16.6 | | | | | |
| G178.0 | 16.6 | 17.0 | 16.5 | 17.0 | 16.6 | | | | | |
| G179.0 | 16.5 | 17.0 | 16.5 | 17.0 | 16.5 | | | | | |
| G180.0 | 16.5 | 17.2 | 16.6 | 17.0 | 16.5 | | | | | |
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C Plane (°):0.0-360.0: 90.0
 Test Lab: Inventfine instrument
 Test Type: TYPE C
 Temperature: 26
 Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.684 m [K=1.0000]
 Humidity: 65
 Inspector:

LED Average Luminance Report

| Avg.L | cd/m ² |
|-----------------|-------------------|
| L 0-180(65) av | 3969.28 |
| L 0-180(75) av | 3310.11 |
| L 0-180(85) av | 1886.36 |
| L 90-270(65) av | 4309.58 |
| L 90-270(75) av | 3894.36 |
| L 90-270(85) av | 3074.15 |
| L 45(65) av | 4139.43 |
| L 45(75) av | 3602.23 |
| L 45(85) av | 2480.25 |

Standard: GB/T 29293-2012