

Report No.: TH-4736A

Test Time: 2024/1/28 14:30

Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
Luminous Height (mm):
Current: 0.000 A
Power Factor: 0.000

Luminaire Description: LEM004
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 220.0 V
Power: 0.00 W

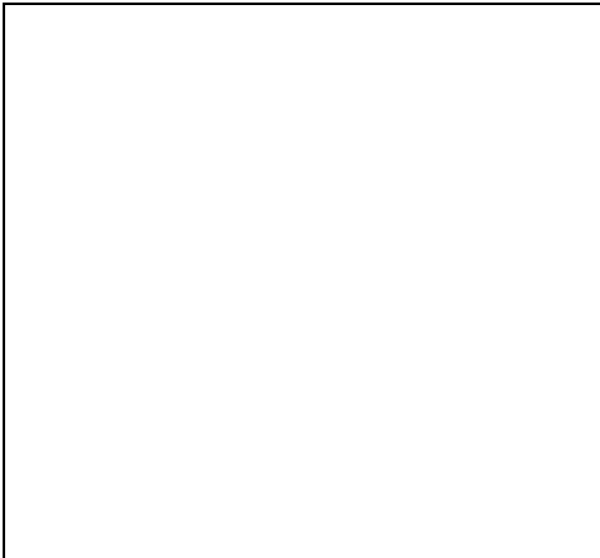
Photometric Results

CIE Class: Direct
Measurement Flux: 267.6 lm
Downward Ratio: 98%
Horizontal Diffuse Angle(50%): H89.4
Vertical Diffuse Angle(50%): V88.9
Luminaire Efficacy Rating (LER): 267.63
Max. Intensity: 117.27 cd
S/MH(C0/C180): 1.11

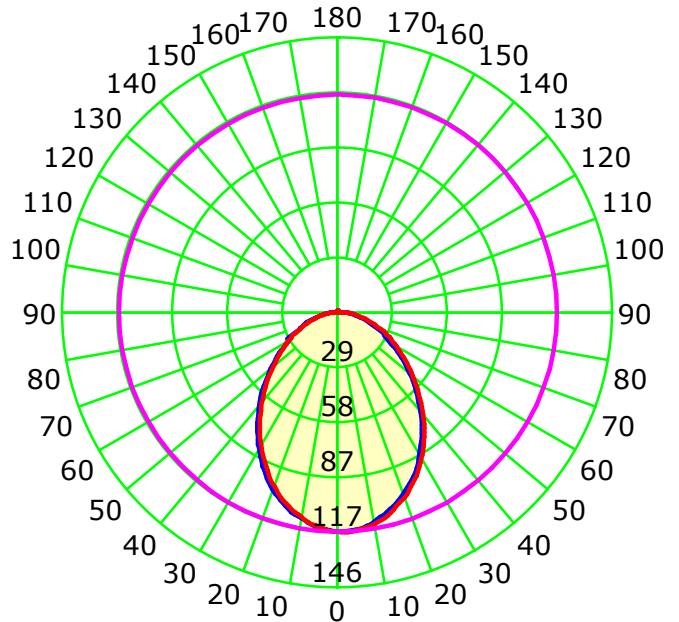
Total Rated Lamp Lumens: 267.6 lm
Efficiency: 100%
Upward Ratio: 2%

C0r0 Intensity: 116.87 cd
Pos of Max. Intensity: H90 V2
S/MH(C90/C270): 1.11

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

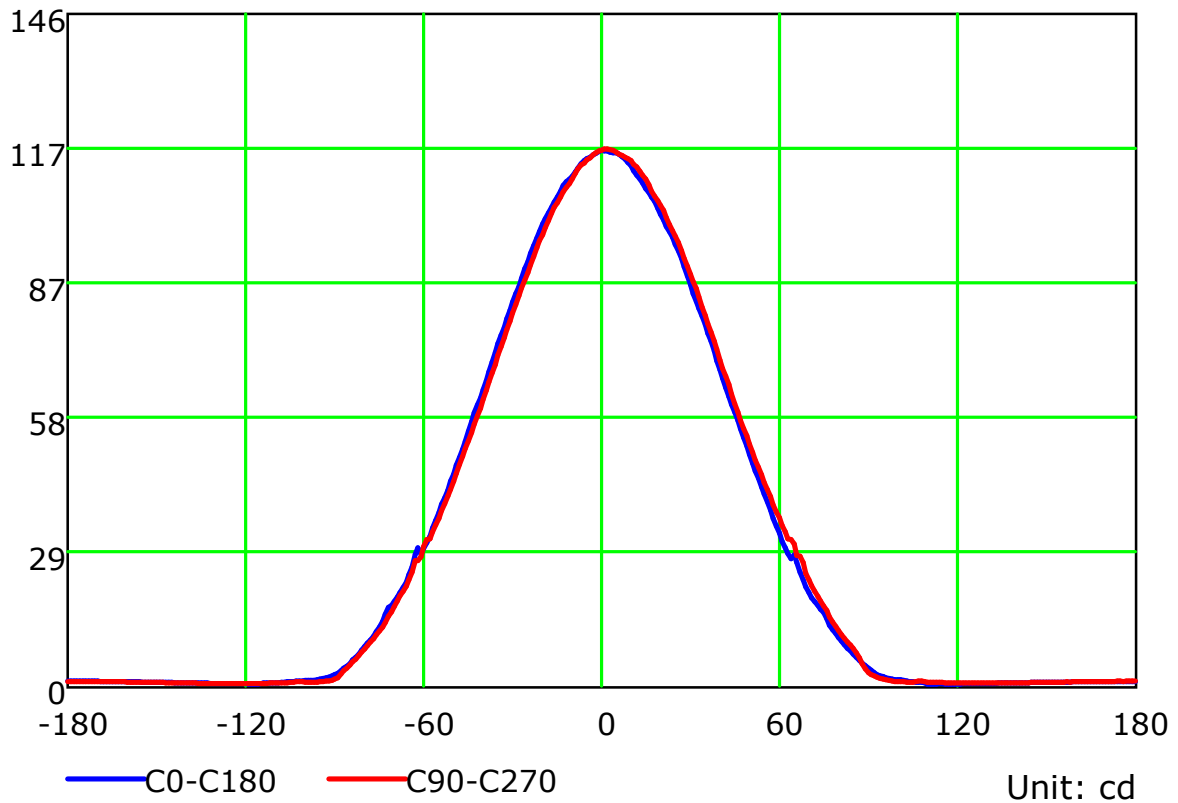
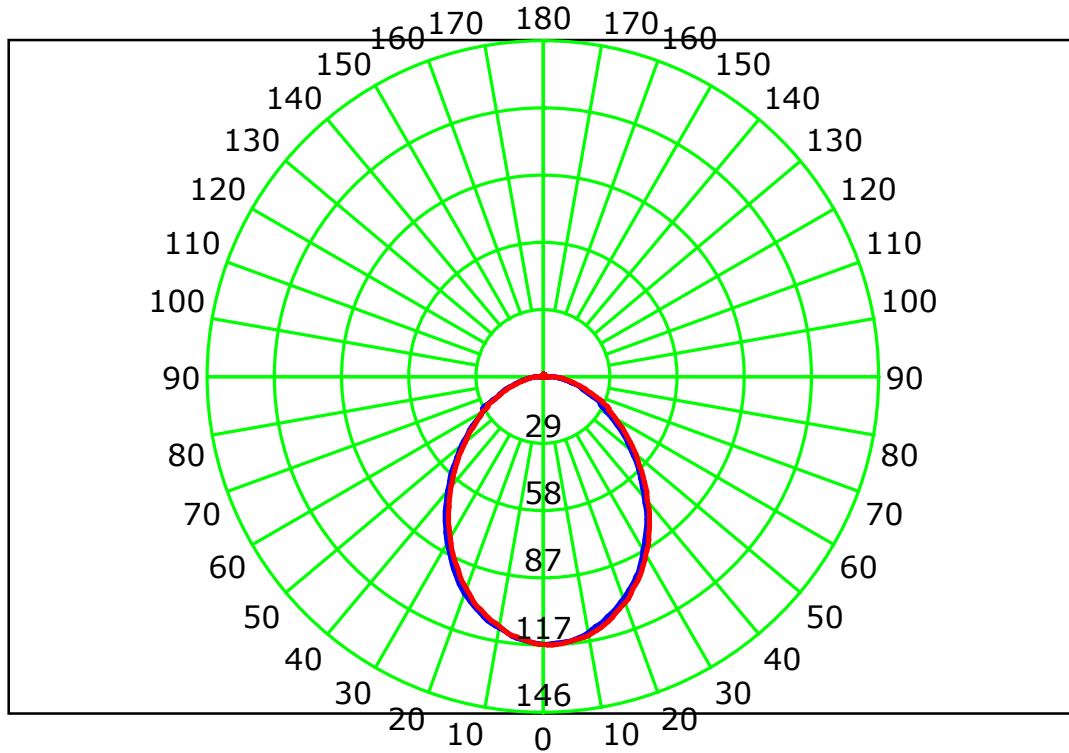
Average Diffuse Angle(50%): 89.1°

— C0-C180 — C90-C270 — G2

C Plane (°):0.0-360.0: 90.0
Test Lab: inventfine instruments
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



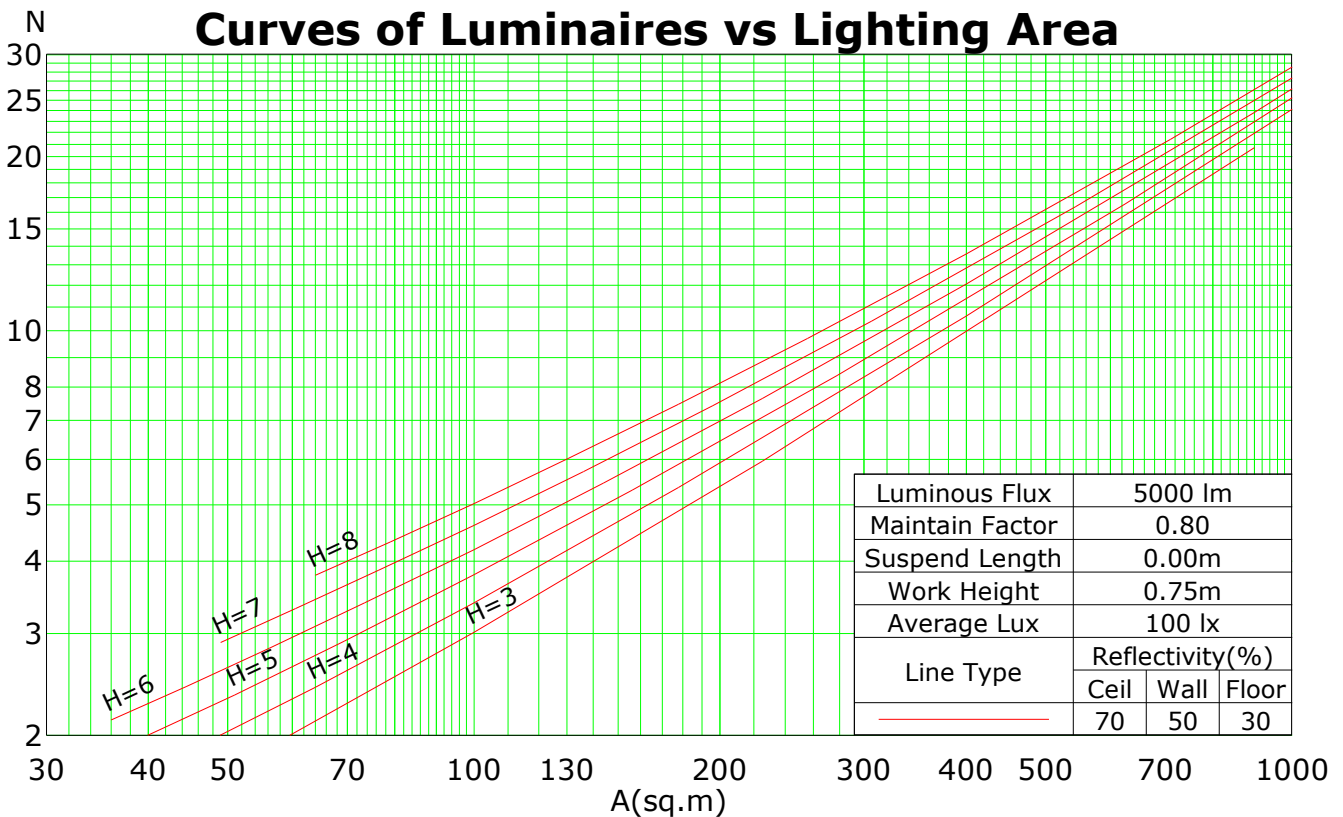
C Plane (°):0.0-360.0: 90.0
 Test Lab: inventfine instruments
 Test Type: TYPE C
 Temperature: 26
 Operator: Jacky

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 | 1.15 | 1.15 | 1.15 | 1.15 | 1.10 | 1.10 | 1.10 | 1.05 | 1.05 | 1.05 | 1.00 | 1.00 | 1.00 | 0.98 |
| 1 | 1.09 | 1.04 | 1.00 | 0.96 | 1.06 | 1.01 | 0.98 | 0.94 | 0.97 | 0.94 | 0.91 | 0.92 | 0.90 | 0.88 | 0.89 | 0.87 | 0.85 | 0.82 |
| 2 | 0.99 | 0.91 | 0.85 | 0.79 | 0.96 | 0.89 | 0.83 | 0.78 | 0.85 | 0.80 | 0.76 | 0.82 | 0.78 | 0.74 | 0.78 | 0.75 | 0.72 | 0.70 |
| 3 | 0.91 | 0.81 | 0.73 | 0.67 | 0.88 | 0.79 | 0.72 | 0.66 | 0.76 | 0.70 | 0.65 | 0.73 | 0.68 | 0.63 | 0.70 | 0.66 | 0.62 | 0.60 |
| 4 | 0.84 | 0.72 | 0.64 | 0.57 | 0.81 | 0.71 | 0.63 | 0.57 | 0.68 | 0.61 | 0.56 | 0.65 | 0.60 | 0.55 | 0.63 | 0.58 | 0.54 | 0.52 |
| 5 | 0.77 | 0.65 | 0.56 | 0.50 | 0.75 | 0.64 | 0.56 | 0.50 | 0.61 | 0.54 | 0.49 | 0.59 | 0.53 | 0.48 | 0.57 | 0.52 | 0.47 | 0.45 |
| 6 | 0.72 | 0.59 | 0.50 | 0.44 | 0.70 | 0.58 | 0.50 | 0.44 | 0.56 | 0.49 | 0.43 | 0.54 | 0.48 | 0.43 | 0.52 | 0.47 | 0.42 | 0.40 |
| 7 | 0.67 | 0.54 | 0.45 | 0.39 | 0.65 | 0.53 | 0.45 | 0.39 | 0.51 | 0.44 | 0.39 | 0.49 | 0.43 | 0.38 | 0.48 | 0.42 | 0.38 | 0.36 |
| 8 | 0.62 | 0.49 | 0.41 | 0.35 | 0.61 | 0.48 | 0.41 | 0.35 | 0.47 | 0.40 | 0.35 | 0.46 | 0.39 | 0.35 | 0.44 | 0.39 | 0.34 | 0.32 |
| 9 | 0.58 | 0.45 | 0.37 | 0.32 | 0.57 | 0.45 | 0.37 | 0.32 | 0.43 | 0.36 | 0.32 | 0.42 | 0.36 | 0.31 | 0.41 | 0.35 | 0.31 | 0.29 |
| 10 | 0.55 | 0.42 | 0.34 | 0.29 | 0.53 | 0.41 | 0.34 | 0.29 | 0.40 | 0.34 | 0.29 | 0.39 | 0.33 | 0.29 | 0.38 | 0.33 | 0.28 | 0.27 |

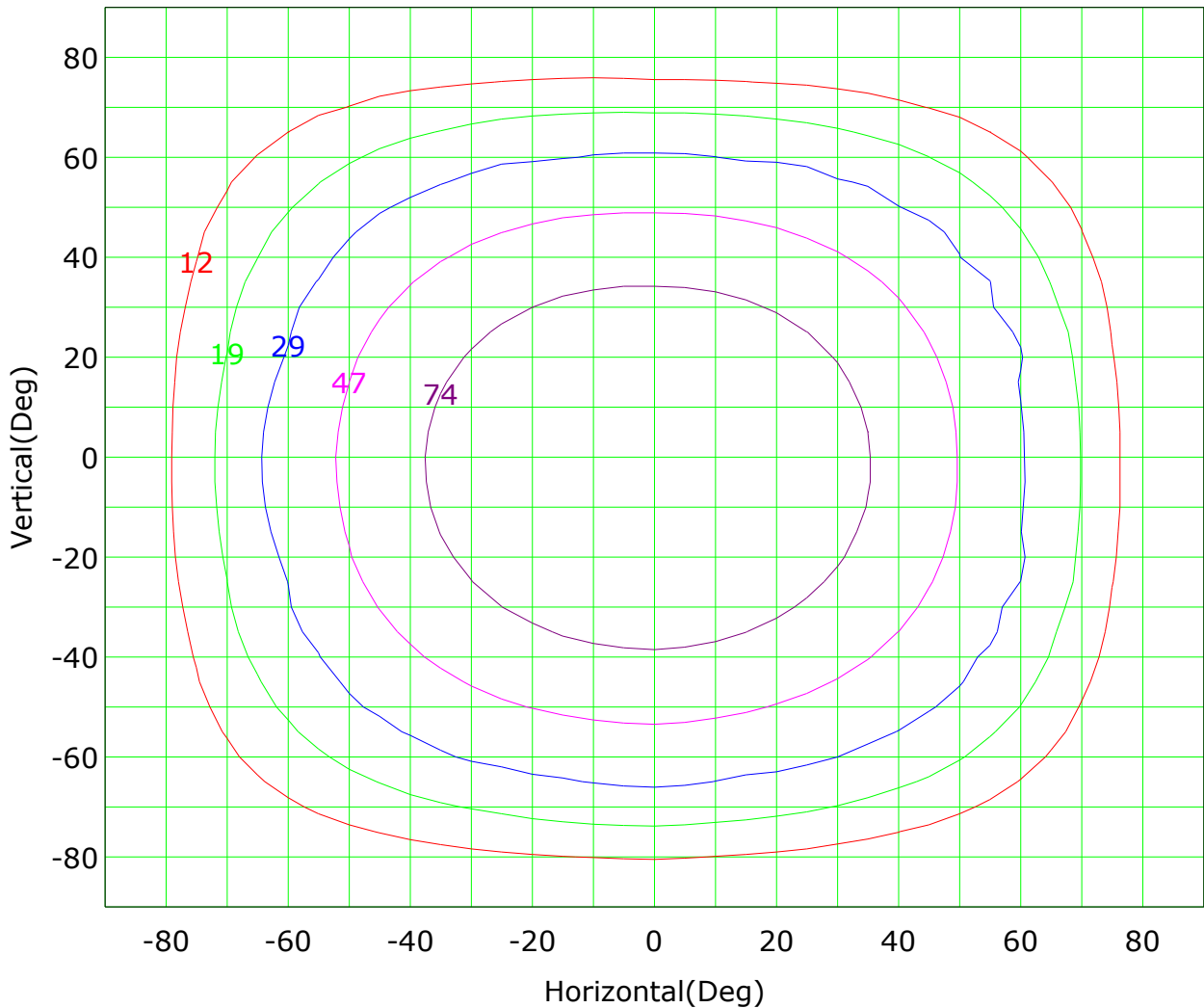
Spacing Criteria (0-180): 1.11
 Spacing Criteria (90-270): 1.11
 Spacing Criteria (Diagonal): 1.20



C Plane (°):0.0-360.0: 90.0
 Test Lab: inventfine instruments
 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)



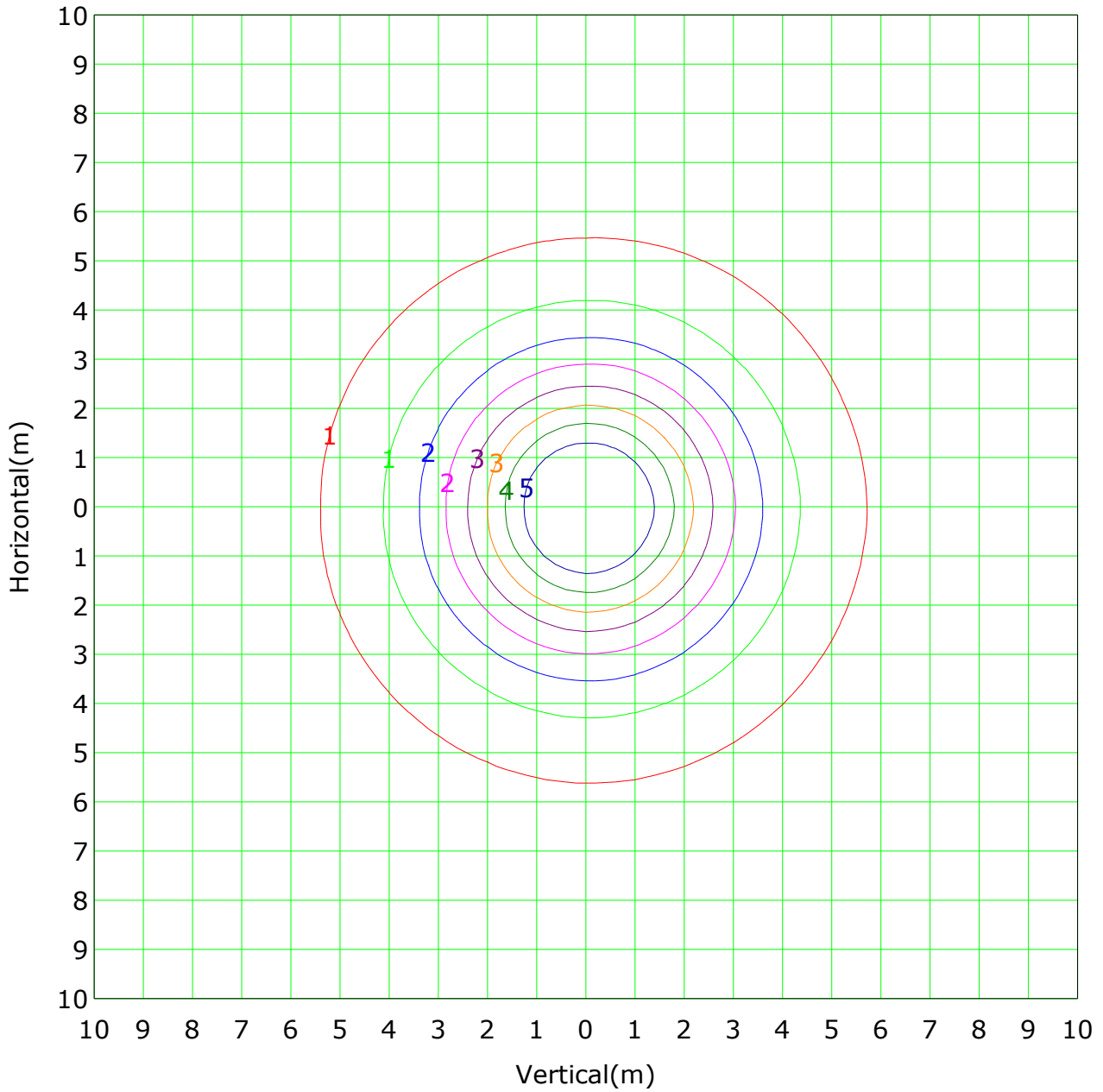
Imax (100%): 117 cd

| | | | |
|-----------|-------|-----------|--------|
| — (10%): | 12 cd | — (16%): | 19 cd |
| — (25%): | 29 cd | — (40%): | 47 cd |
| — (63%): | 74 cd | — (100%): | 117 cd |

C Plane (°):0.0-360.0: 90.0
Test Lab: inventfine instruments
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



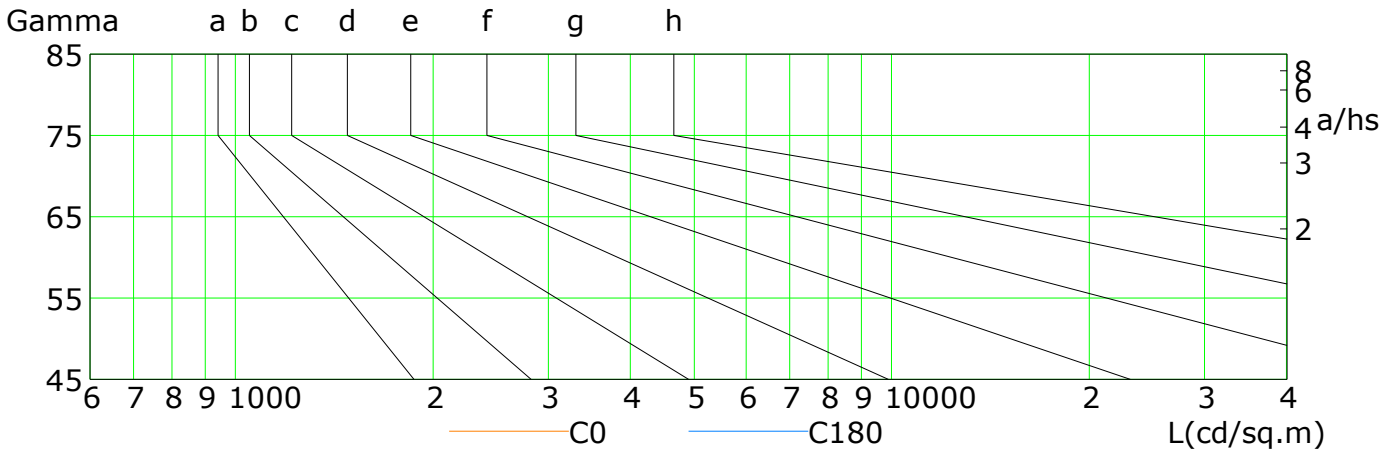
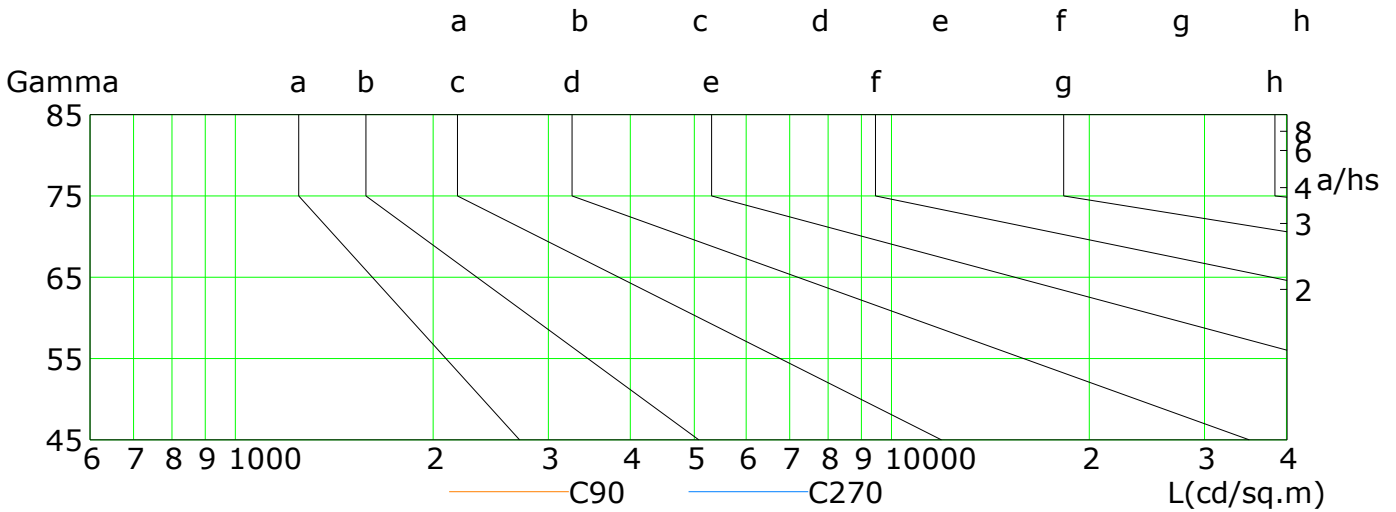
| | | | |
|-----------------------|--------|-----------------------|--------|
| Mounting Height: 4.5m | | Max Lux(100%): 5.8 lx | |
| — (10%): | 0.6 lx | — (20%): | 1.2 lx |
| — (30%): | 1.7 lx | — (40%): | 2.3 lx |
| — (50%): | 2.9 lx | — (60%): | 3.5 lx |
| — (70%): | 4.1 lx | — (80%): | 4.6 lx |

C Plane (°):0.0-360.0: 90.0
 Test Lab: inventfine instruments
 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 |

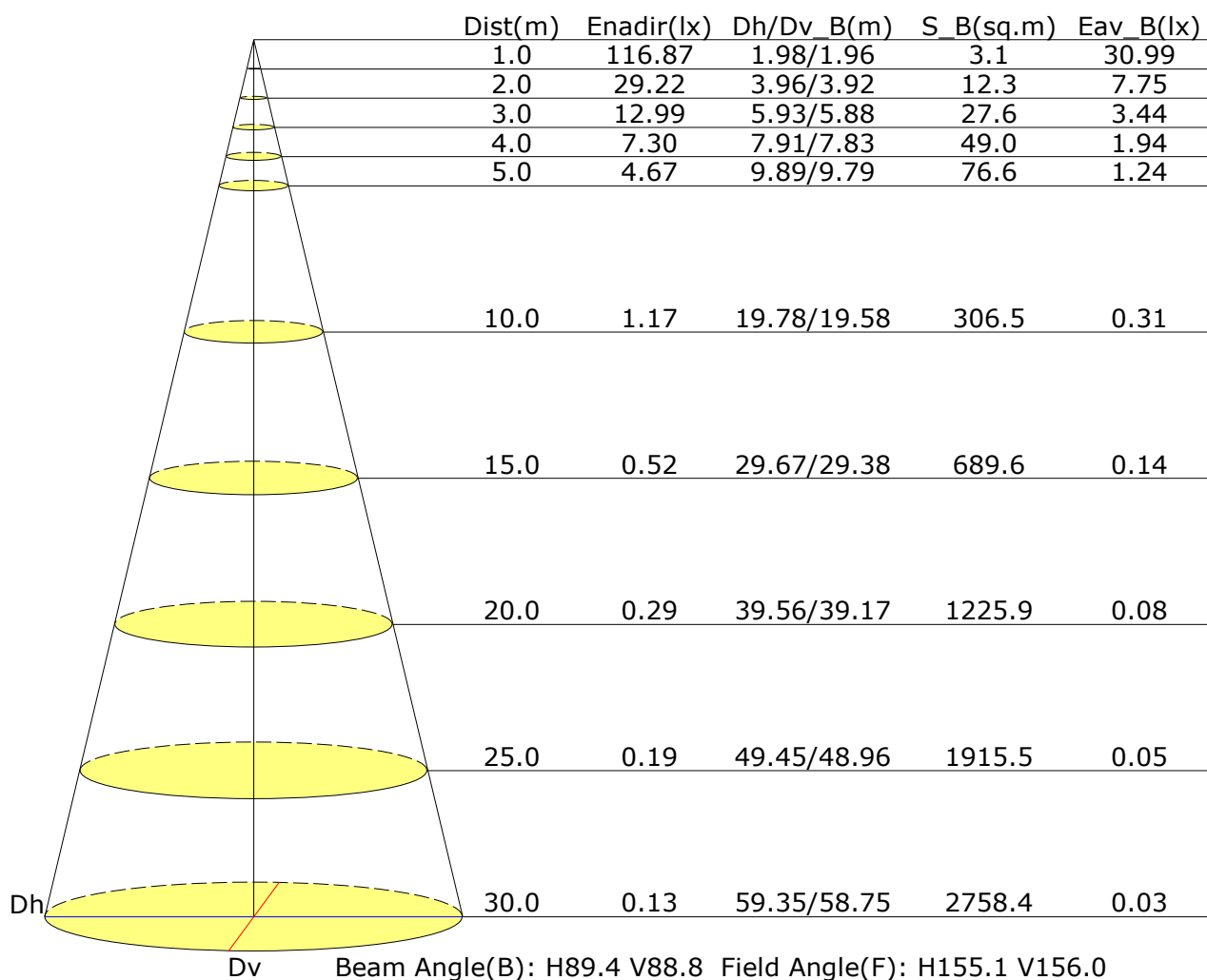


| L(cd/sq.m) | G45 | G50 | G55 | G60 | G65 | G70 | G75 | G80 | G85 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| C0 | 60 | 51 | 42 | 33 | 29 | 21 | 16 | 11 | 7 |
| C90 | 62 | 53 | 45 | 37 | 31 | 23 | 18 | 12 | 8 |
| C180 | 56 | 46 | 38 | 30 | 24 | 19 | 13 | 9 | 5 |
| C270 | 54 | 45 | 37 | 31 | 23 | 17 | 12 | 8 | 5 |

C Plane (°):0.0-360.0: 90.0
 Test Lab: inventfine instruments
 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:

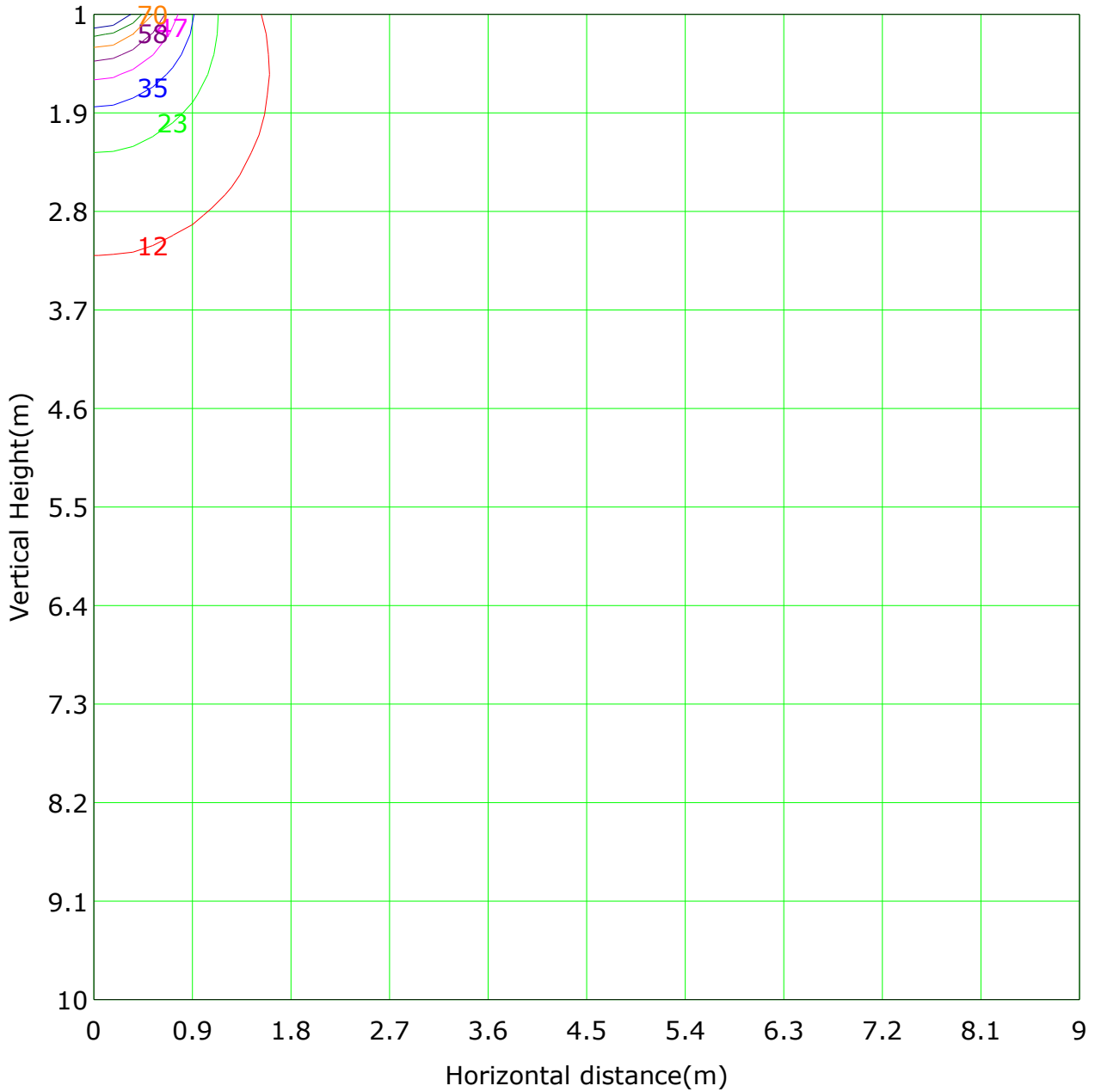
Illuminance at a Distance



C Plane (°):0.0-360.0: 90.0
 Test Lab: inventfine instruments
 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:

Vertical IsoLux Plot

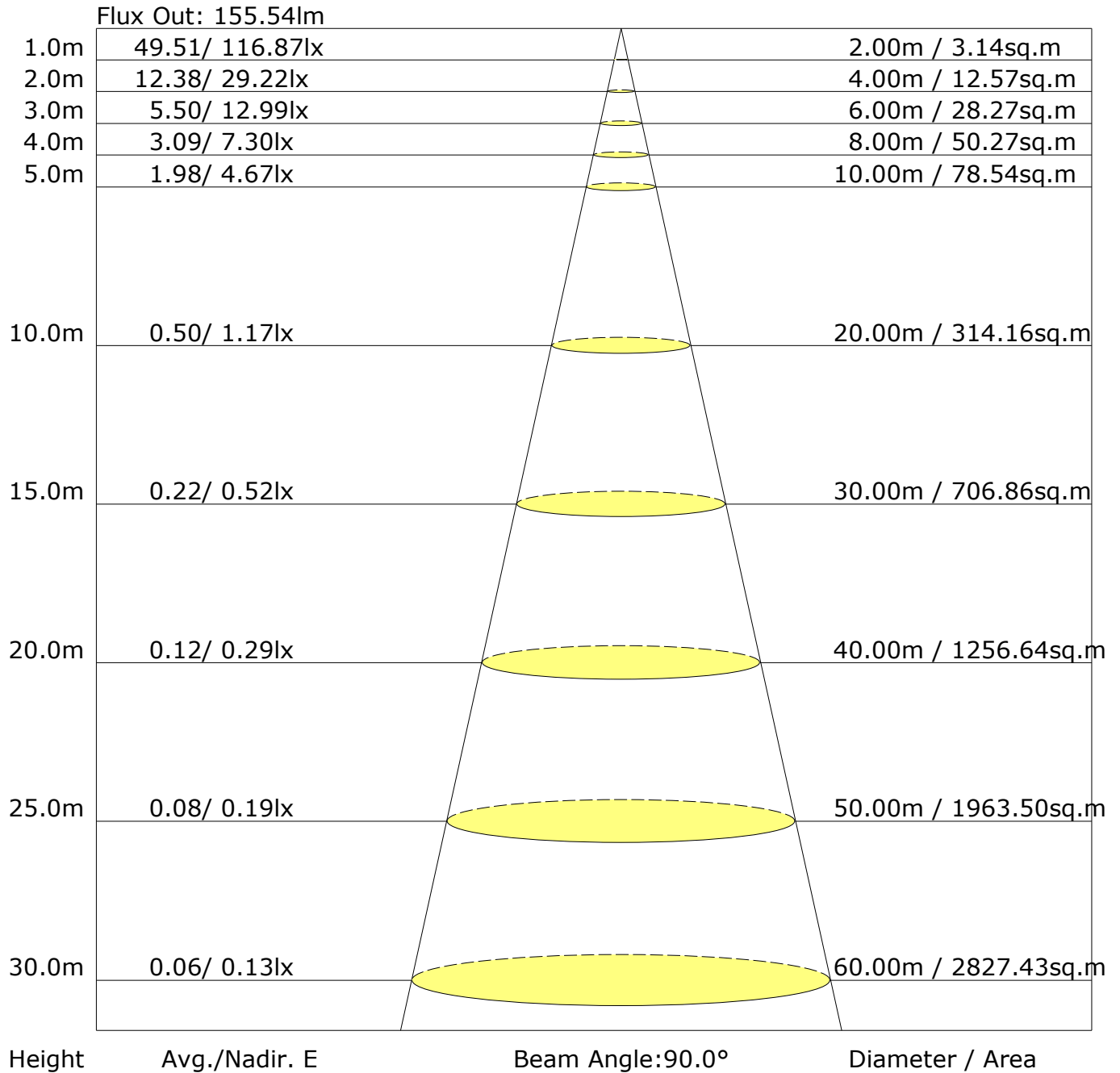


| | | |
|-------------------|-------------------|-------------------|
| Lowest(m): 1.0m | Highest(m): 10.0m | Max Lux: 116.9 lx |
| — (10%): 11.7 lx | — (20%): 23.4 lx | |
| — (30%): 35.1 lx | — (40%): 46.7 lx | |
| — (50%): 58.4 lx | — (60%): 70.1 lx | |
| — (70%): 81.8 lx | — (80%): 93.5 lx | |

C Plane (°):0.0-360.0: 90.0
 Test Lab: inventfine instruments
 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 instruments
 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 | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 3H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 4H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 6H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 8H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 12H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| X=4H Y=2H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 3H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 4H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 6H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 8H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 12H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| X=8H Y=4H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 6H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 8H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 12H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| X=12H Y=4H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 6H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 8H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S=1.0H | | | | | | | | | | |
| | | | | | | | | | | |
| S=1.5H | | | | | | | | | | |
| | | | | | | | | | | |
| S=2.0H | | | | | | | | | | |
| | | | | | | | | | | |

Calculate in accordance with CIE Pub.117. The table is revised with $268lm$ ($8\log(F/F_0) = -4.6$).

C Plane (°):0.0-360.0: 90.0
 Test Lab: inventfine instruments
 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 | 116.9 | 0.1 | 0.1 | 0.04 | 0.04 |
| 1.0-2.0 | 116.8 | 0.3 | 0.4 | 0.13 | 0.17 |
| 2.0-3.0 | 116.5 | 0.6 | 1.0 | 0.21 | 0.38 |
| 3.0-4.0 | 116.2 | 0.8 | 1.8 | 0.29 | 0.67 |
| 4.0-5.0 | 115.8 | 1.0 | 2.8 | 0.37 | 1.04 |
| 5.0-6.0 | 115.5 | 1.2 | 4.0 | 0.45 | 1.49 |
| 6.0-7.0 | 115.0 | 1.4 | 5.4 | 0.53 | 2.03 |
| 7.0-8.0 | 114.4 | 1.6 | 7.1 | 0.61 | 2.64 |
| 8.0-9.0 | 113.7 | 1.8 | 8.9 | 0.69 | 3.33 |
| 9.0-10.0 | 112.9 | 2.0 | 10.9 | 0.76 | 4.09 |
| 10.0-11.0 | 112.1 | 2.2 | 13.2 | 0.84 | 4.93 |
| 11.0-12.0 | 111.3 | 2.4 | 15.6 | 0.91 | 5.84 |
| 12.0-13.0 | 110.4 | 2.6 | 18.2 | 0.98 | 6.82 |
| 13.0-14.0 | 109.5 | 2.8 | 21.0 | 1.05 | 7.86 |
| 14.0-15.0 | 108.4 | 3.0 | 24.0 | 1.11 | 8.98 |
| 15.0-16.0 | 107.3 | 3.1 | 27.2 | 1.18 | 10.15 |
| 16.0-17.0 | 106.2 | 3.3 | 30.5 | 1.24 | 11.39 |
| 17.0-18.0 | 105.0 | 3.5 | 33.9 | 1.29 | 12.68 |
| 18.0-19.0 | 103.7 | 3.6 | 37.5 | 1.35 | 14.03 |
| 19.0-20.0 | 102.4 | 3.7 | 41.3 | 1.40 | 15.43 |
| 20.0-21.0 | 101.1 | 3.9 | 45.2 | 1.45 | 16.88 |
| 21.0-22.0 | 99.7 | 4.0 | 49.2 | 1.50 | 18.38 |
| 22.0-23.0 | 98.2 | 4.1 | 53.3 | 1.54 | 19.92 |
| 23.0-24.0 | 96.7 | 4.2 | 57.5 | 1.58 | 21.50 |
| 24.0-25.0 | 95.1 | 4.3 | 61.9 | 1.62 | 23.12 |
| 25.0-26.0 | 93.6 | 4.4 | 66.3 | 1.65 | 24.77 |
| 26.0-27.0 | 91.9 | 4.5 | 70.8 | 1.68 | 26.45 |
| 27.0-28.0 | 90.2 | 4.6 | 75.3 | 1.71 | 28.16 |
| 28.0-29.0 | 88.4 | 4.6 | 80.0 | 1.73 | 29.88 |
| 29.0-30.0 | 86.6 | 4.7 | 84.6 | 1.75 | 31.63 |
| 30.0-31.0 | 84.8 | 4.7 | 89.4 | 1.76 | 33.40 |
| 31.0-32.0 | 83.0 | 4.8 | 94.1 | 1.78 | 35.17 |
| 32.0-33.0 | 81.3 | 4.8 | 98.9 | 1.79 | 36.96 |
| 33.0-34.0 | 79.5 | 4.8 | 103.7 | 1.80 | 38.76 |
| 34.0-35.0 | 77.6 | 4.8 | 108.5 | 1.80 | 40.56 |
| 35.0-36.0 | 75.7 | 4.8 | 113.4 | 1.80 | 42.37 |

C Plane (°):0.0-360.0: 90.0
 Test Lab: inventfine instruments
 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 [°] | I _{mean} [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 36.0-37.0 | 73.8 | 4.8 | 118.2 | 1.80 | 44.17 |
| 37.0-38.0 | 71.9 | 4.8 | 123.0 | 1.79 | 45.96 |
| 38.0-39.0 | 69.9 | 4.8 | 127.7 | 1.78 | 47.74 |
| 39.0-40.0 | 67.9 | 4.7 | 132.5 | 1.77 | 49.51 |
| 40.0-41.0 | 66.0 | 4.7 | 137.2 | 1.76 | 51.27 |
| 41.0-42.0 | 64.1 | 4.7 | 141.8 | 1.74 | 53.01 |
| 42.0-43.0 | 62.3 | 4.6 | 146.5 | 1.73 | 54.74 |
| 43.0-44.0 | 60.5 | 4.6 | 151.0 | 1.71 | 56.44 |
| 44.0-45.0 | 58.6 | 4.5 | 155.5 | 1.68 | 58.13 |
| 45.0-46.0 | 56.7 | 4.4 | 160.0 | 1.66 | 59.78 |
| 46.0-47.0 | 54.9 | 4.4 | 164.3 | 1.63 | 61.42 |
| 47.0-48.0 | 53.1 | 4.3 | 168.6 | 1.60 | 63.02 |
| 48.0-49.0 | 51.3 | 4.2 | 172.8 | 1.58 | 64.60 |
| 49.0-50.0 | 49.5 | 4.1 | 177.0 | 1.54 | 66.14 |
| 50.0-51.0 | 47.7 | 4.0 | 181.0 | 1.51 | 67.65 |
| 51.0-52.0 | 46.0 | 3.9 | 185.0 | 1.48 | 69.13 |
| 52.0-53.0 | 44.4 | 3.9 | 188.8 | 1.44 | 70.57 |
| 53.0-54.0 | 42.7 | 3.8 | 192.6 | 1.41 | 71.98 |
| 54.0-55.0 | 41.1 | 3.7 | 196.3 | 1.37 | 73.35 |
| 55.0-56.0 | 39.5 | 3.6 | 199.8 | 1.33 | 74.68 |
| 56.0-57.0 | 37.8 | 3.5 | 203.3 | 1.29 | 75.97 |
| 57.0-58.0 | 36.2 | 3.3 | 206.6 | 1.25 | 77.22 |
| 58.0-59.0 | 34.7 | 3.2 | 209.9 | 1.21 | 78.43 |
| 59.0-60.0 | 33.4 | 3.2 | 213.0 | 1.18 | 79.61 |
| 60.0-61.0 | 31.8 | 3.0 | 216.1 | 1.14 | 80.75 |
| 61.0-62.0 | 30.7 | 3.0 | 219.0 | 1.10 | 81.85 |
| 62.0-63.0 | 29.9 | 2.9 | 221.9 | 1.09 | 82.94 |
| 63.0-64.0 | 28.5 | 2.8 | 224.7 | 1.05 | 83.99 |
| 64.0-65.0 | 27.3 | 2.7 | 227.4 | 1.01 | 85.00 |
| 65.0-66.0 | 26.0 | 2.6 | 230.0 | 0.97 | 85.96 |
| 66.0-67.0 | 24.5 | 2.5 | 232.5 | 0.92 | 86.88 |
| 67.0-68.0 | 23.3 | 2.4 | 234.8 | 0.88 | 87.77 |
| 68.0-69.0 | 21.9 | 2.2 | 237.1 | 0.83 | 88.60 |
| 69.0-70.0 | 20.5 | 2.1 | 239.2 | 0.79 | 89.39 |
| 70.0-71.0 | 19.4 | 2.0 | 241.2 | 0.75 | 90.14 |
| 71.0-72.0 | 18.4 | 1.9 | 243.1 | 0.71 | 90.85 |

C Plane (°):0.0-360.0: 90.0
 Test Lab: inventfine instruments
 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 [°] | I _{mean} [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 72.0-73.0 | 17.3 | 1.8 | 244.9 | 0.68 | 91.53 |
| 73.0-74.0 | 16.2 | 1.7 | 246.6 | 0.64 | 92.16 |
| 74.0-75.0 | 15.2 | 1.6 | 248.2 | 0.60 | 92.76 |
| 75.0-76.0 | 14.1 | 1.5 | 249.7 | 0.56 | 93.32 |
| 76.0-77.0 | 13.0 | 1.4 | 251.1 | 0.52 | 93.84 |
| 77.0-78.0 | 12.0 | 1.3 | 252.4 | 0.48 | 94.32 |
| 78.0-79.0 | 11.1 | 1.2 | 253.6 | 0.45 | 94.77 |
| 79.0-80.0 | 10.3 | 1.1 | 254.7 | 0.42 | 95.18 |
| 80.0-81.0 | 9.5 | 1.0 | 255.7 | 0.38 | 95.57 |
| 81.0-82.0 | 8.7 | 0.9 | 256.7 | 0.35 | 95.92 |
| 82.0-83.0 | 8.0 | 0.9 | 257.5 | 0.32 | 96.25 |
| 83.0-84.0 | 7.3 | 0.8 | 258.3 | 0.30 | 96.54 |
| 84.0-85.0 | 6.6 | 0.7 | 259.0 | 0.27 | 96.81 |
| 85.0-86.0 | 5.9 | 0.6 | 259.7 | 0.24 | 97.05 |
| 86.0-87.0 | 5.2 | 0.6 | 260.3 | 0.21 | 97.26 |
| 87.0-88.0 | 4.4 | 0.5 | 260.7 | 0.18 | 97.45 |
| 88.0-89.0 | 3.7 | 0.4 | 261.1 | 0.15 | 97.60 |
| 89.0-90.0 | 3.0 | 0.3 | 261.5 | 0.12 | 97.72 |
| 90.0-91.0 | 2.6 | 0.3 | 261.8 | 0.11 | 97.83 |
| 91.0-92.0 | 2.3 | 0.3 | 262.0 | 0.09 | 97.92 |
| 92.0-93.0 | 2.0 | 0.2 | 262.2 | 0.08 | 98.00 |
| 93.0-94.0 | 1.8 | 0.2 | 262.4 | 0.07 | 98.08 |
| 94.0-95.0 | 1.6 | 0.2 | 262.6 | 0.07 | 98.15 |
| 95.0-96.0 | 1.5 | 0.2 | 262.8 | 0.06 | 98.21 |
| 96.0-97.0 | 1.4 | 0.2 | 262.9 | 0.06 | 98.27 |
| 97.0-98.0 | 1.3 | 0.1 | 263.1 | 0.05 | 98.32 |
| 98.0-99.0 | 1.2 | 0.1 | 263.2 | 0.05 | 98.37 |
| 99.0-100.0 | 1.2 | 0.1 | 263.3 | 0.05 | 98.42 |
| 100.0-101.0 | 1.2 | 0.1 | 263.5 | 0.05 | 98.46 |
| 101.0-102.0 | 1.2 | 0.1 | 263.6 | 0.05 | 98.51 |
| 102.0-103.0 | 1.1 | 0.1 | 263.7 | 0.05 | 98.56 |
| 103.0-104.0 | 1.1 | 0.1 | 263.8 | 0.04 | 98.60 |
| 104.0-105.0 | 1.0 | 0.1 | 263.9 | 0.04 | 98.64 |
| 105.0-106.0 | 1.0 | 0.1 | 264.0 | 0.04 | 98.67 |
| 106.0-107.0 | 1.0 | 0.1 | 264.1 | 0.04 | 98.71 |
| 107.0-108.0 | 1.0 | 0.1 | 264.2 | 0.04 | 98.75 |

C Plane (°):0.0-360.0: 90.0
 Test Lab: inventfine instruments
 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 | 0.9 | 0.1 | 264.3 | 0.04 | 98.78 |
| 109.0-110.0 | 0.8 | 0.1 | 264.4 | 0.03 | 98.81 |
| 110.0-111.0 | 0.7 | 0.1 | 264.5 | 0.03 | 98.84 |
| 111.0-112.0 | 0.7 | 0.1 | 264.6 | 0.03 | 98.87 |
| 112.0-113.0 | 0.7 | 0.1 | 264.6 | 0.03 | 98.90 |
| 113.0-114.0 | 0.7 | 0.1 | 264.7 | 0.03 | 98.92 |
| 114.0-115.0 | 0.7 | 0.1 | 264.8 | 0.03 | 98.95 |
| 115.0-116.0 | 0.7 | 0.1 | 264.8 | 0.02 | 98.97 |
| 116.0-117.0 | 0.6 | 0.1 | 264.9 | 0.02 | 99.00 |
| 117.0-118.0 | 0.6 | 0.1 | 265.0 | 0.02 | 99.02 |
| 118.0-119.0 | 0.6 | 0.1 | 265.0 | 0.02 | 99.04 |
| 119.0-120.0 | 0.6 | 0.1 | 265.1 | 0.02 | 99.06 |
| 120.0-121.0 | 0.6 | 0.1 | 265.1 | 0.02 | 99.09 |
| 121.0-122.0 | 0.7 | 0.1 | 265.2 | 0.02 | 99.11 |
| 122.0-123.0 | 0.7 | 0.1 | 265.3 | 0.02 | 99.13 |
| 123.0-124.0 | 0.7 | 0.1 | 265.3 | 0.02 | 99.16 |
| 124.0-125.0 | 0.7 | 0.1 | 265.4 | 0.02 | 99.18 |
| 125.0-126.0 | 0.7 | 0.1 | 265.4 | 0.02 | 99.20 |
| 126.0-127.0 | 0.7 | 0.1 | 265.5 | 0.02 | 99.22 |
| 127.0-128.0 | 0.7 | 0.1 | 265.6 | 0.02 | 99.24 |
| 128.0-129.0 | 0.7 | 0.1 | 265.6 | 0.02 | 99.26 |
| 129.0-130.0 | 0.7 | 0.1 | 265.7 | 0.02 | 99.29 |
| 130.0-131.0 | 0.7 | 0.1 | 265.7 | 0.02 | 99.31 |
| 131.0-132.0 | 0.7 | 0.1 | 265.8 | 0.02 | 99.33 |
| 132.0-133.0 | 0.7 | 0.1 | 265.8 | 0.02 | 99.35 |
| 133.0-134.0 | 0.7 | 0.1 | 265.9 | 0.02 | 99.37 |
| 134.0-135.0 | 0.7 | 0.1 | 265.9 | 0.02 | 99.39 |
| 135.0-136.0 | 0.7 | 0.1 | 266.0 | 0.02 | 99.41 |
| 136.0-137.0 | 0.7 | 0.1 | 266.1 | 0.02 | 99.43 |
| 137.0-138.0 | 0.7 | 0.1 | 266.1 | 0.02 | 99.45 |
| 138.0-139.0 | 0.8 | 0.1 | 266.2 | 0.02 | 99.47 |
| 139.0-140.0 | 0.8 | 0.1 | 266.2 | 0.02 | 99.49 |
| 140.0-141.0 | 0.8 | 0.1 | 266.3 | 0.02 | 99.51 |
| 141.0-142.0 | 0.8 | 0.1 | 266.3 | 0.02 | 99.53 |
| 142.0-143.0 | 0.8 | 0.1 | 266.4 | 0.02 | 99.55 |
| 143.0-144.0 | 0.8 | 0.1 | 266.4 | 0.02 | 99.57 |

C Plane (°):0.0-360.0: 90.0
 Test Lab: inventfine instruments
 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 | 0.8 | 0.1 | 266.5 | 0.02 | 99.59 |
| 145.0-146.0 | 0.8 | 0.1 | 266.5 | 0.02 | 99.61 |
| 146.0-147.0 | 0.8 | 0.1 | 266.6 | 0.02 | 99.63 |
| 147.0-148.0 | 0.9 | 0.1 | 266.6 | 0.02 | 99.65 |
| 148.0-149.0 | 0.9 | 0.1 | 266.7 | 0.02 | 99.67 |
| 149.0-150.0 | 0.9 | 0.0 | 266.7 | 0.02 | 99.69 |
| 150.0-151.0 | 0.9 | 0.0 | 266.8 | 0.02 | 99.71 |
| 151.0-152.0 | 0.9 | 0.0 | 266.8 | 0.02 | 99.72 |
| 152.0-153.0 | 0.9 | 0.0 | 266.9 | 0.02 | 99.74 |
| 153.0-154.0 | 0.9 | 0.0 | 266.9 | 0.02 | 99.76 |
| 154.0-155.0 | 0.9 | 0.0 | 267.0 | 0.02 | 99.77 |
| 155.0-156.0 | 1.0 | 0.0 | 267.0 | 0.02 | 99.79 |
| 156.0-157.0 | 1.0 | 0.0 | 267.1 | 0.02 | 99.81 |
| 157.0-158.0 | 1.0 | 0.0 | 267.1 | 0.02 | 99.82 |
| 158.0-159.0 | 1.0 | 0.0 | 267.1 | 0.01 | 99.84 |
| 159.0-160.0 | 1.0 | 0.0 | 267.2 | 0.01 | 99.85 |
| 160.0-161.0 | 1.0 | 0.0 | 267.2 | 0.01 | 99.86 |
| 161.0-162.0 | 1.0 | 0.0 | 267.3 | 0.01 | 99.88 |
| 162.0-163.0 | 1.0 | 0.0 | 267.3 | 0.01 | 99.89 |
| 163.0-164.0 | 1.0 | 0.0 | 267.3 | 0.01 | 99.90 |
| 164.0-165.0 | 1.0 | 0.0 | 267.3 | 0.01 | 99.91 |
| 165.0-166.0 | 1.0 | 0.0 | 267.4 | 0.01 | 99.92 |
| 166.0-167.0 | 1.1 | 0.0 | 267.4 | 0.01 | 99.93 |
| 167.0-168.0 | 1.1 | 0.0 | 267.4 | 0.01 | 99.94 |
| 168.0-169.0 | 1.1 | 0.0 | 267.5 | 0.01 | 99.95 |
| 169.0-170.0 | 1.1 | 0.0 | 267.5 | 0.01 | 99.96 |
| 170.0-171.0 | 1.1 | 0.0 | 267.5 | 0.01 | 99.97 |
| 171.0-172.0 | 1.1 | 0.0 | 267.5 | 0.01 | 99.97 |
| 172.0-173.0 | 1.1 | 0.0 | 267.5 | 0.01 | 99.98 |
| 173.0-174.0 | 1.1 | 0.0 | 267.5 | 0.01 | 99.99 |
| 174.0-175.0 | 1.1 | 0.0 | 267.6 | 0.00 | 99.99 |
| 175.0-176.0 | 1.1 | 0.0 | 267.6 | 0.00 | 99.99 |
| 176.0-177.0 | 1.1 | 0.0 | 267.6 | 0.00 | 100.00 |
| 177.0-178.0 | 1.1 | 0.0 | 267.6 | 0.00 | 100.00 |
| 178.0-179.0 | 1.1 | 0.0 | 267.6 | 0.00 | 100.00 |
| 179.0-180.0 | 1.1 | 0.0 | 267.6 | 0.00 | 100.00 |

C Plane (°):0.0-360.0: 90.0
 Test Lab: inventfine instruments
 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°): 155.54 lm

%lum = 58.1%

%lamp = 58.1%

cone flux(120°): 213.03 lm

%lum = 79.6%

%lamp = 79.6%

Candlepower Table

Unit: cd

| G\C | C0.0 | C90.0 | C180.0 | C270.0 | C360.0 | | | | | |
|-------|-------|-------|--------|--------|--------|--|--|--|--|--|
| G0.0 | 116.9 | 116.9 | 116.9 | 116.9 | 116.9 | | | | | |
| G1.0 | 116.8 | 117.2 | 116.6 | 116.8 | 116.8 | | | | | |
| G2.0 | 116.7 | 117.3 | 116.3 | 116.4 | 116.7 | | | | | |
| G3.0 | 116.5 | 117.1 | 116.0 | 115.9 | 116.5 | | | | | |
| G4.0 | 116.4 | 116.9 | 115.3 | 115.3 | 116.4 | | | | | |
| G5.0 | 116.3 | 116.5 | 115.1 | 114.8 | 116.3 | | | | | |
| G6.0 | 116.1 | 116.1 | 114.7 | 114.1 | 116.1 | | | | | |
| G7.0 | 115.5 | 115.8 | 114.0 | 113.7 | 115.5 | | | | | |
| G8.0 | 114.9 | 115.4 | 113.0 | 112.8 | 114.9 | | | | | |
| G9.0 | 114.2 | 115.1 | 112.1 | 111.8 | 114.2 | | | | | |
| G10.0 | 113.5 | 114.6 | 111.2 | 110.7 | 113.5 | | | | | |
| G11.0 | 112.5 | 113.9 | 110.7 | 109.7 | 112.5 | | | | | |
| G12.0 | 111.4 | 113.2 | 110.0 | 108.8 | 111.4 | | | | | |
| G13.0 | 110.6 | 112.3 | 109.2 | 107.8 | 110.6 | | | | | |
| G14.0 | 109.7 | 111.4 | 108.0 | 106.7 | 109.7 | | | | | |
| G15.0 | 108.6 | 110.6 | 106.7 | 105.5 | 108.6 | | | | | |
| G16.0 | 107.7 | 109.4 | 105.6 | 104.4 | 107.7 | | | | | |
| G17.0 | 106.7 | 108.0 | 104.4 | 103.2 | 106.7 | | | | | |
| G18.0 | 105.7 | 106.9 | 103.2 | 101.6 | 105.7 | | | | | |
| G19.0 | 104.2 | 105.9 | 102.0 | 100.0 | 104.2 | | | | | |
| G20.0 | 103.0 | 104.9 | 100.8 | 98.5 | 103.0 | | | | | |
| G21.0 | 101.7 | 103.8 | 99.2 | 97.2 | 101.7 | | | | | |
| G22.0 | 100.3 | 102.3 | 97.7 | 95.6 | 100.3 | | | | | |
| G23.0 | 99.2 | 100.7 | 96.1 | 93.7 | 99.2 | | | | | |
| G24.0 | 97.9 | 99.4 | 94.4 | 91.9 | 97.9 | | | | | |
| G25.0 | 96.4 | 98.2 | 92.7 | 90.3 | 96.4 | | | | | |
| G26.0 | 95.0 | 96.8 | 91.1 | 88.5 | 95.0 | | | | | |
| G27.0 | 93.3 | 95.0 | 89.0 | 86.9 | 93.3 | | | | | |
| G28.0 | 91.5 | 93.3 | 87.2 | 85.3 | 91.5 | | | | | |
| G29.0 | 89.6 | 91.6 | 85.6 | 83.2 | 89.6 | | | | | |
| G30.0 | 87.6 | 89.9 | 83.8 | 81.4 | 87.6 | | | | | |
| G31.0 | 85.7 | 88.3 | 82.1 | 79.6 | 85.7 | | | | | |
| G32.0 | 83.9 | 86.7 | 80.2 | 77.9 | 83.9 | | | | | |
| G33.0 | 82.4 | 84.9 | 78.2 | 76.0 | 82.4 | | | | | |
| G34.0 | 80.7 | 82.8 | 76.6 | 74.1 | 80.7 | | | | | |
| G35.0 | 78.9 | 80.9 | 74.7 | 72.2 | 78.9 | | | | | |
| G36.0 | 77.0 | 79.1 | 72.8 | 70.2 | 77.0 | | | | | |

C Plane (°):0.0-360.0: 90.0
 Test Lab: inventfine instruments
 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 | 75.3 | 77.2 | 70.7 | 68.4 | 75.3 | | | | | |
| G38.0 | 73.3 | 75.3 | 68.6 | 66.4 | 73.3 | | | | | |
| G39.0 | 71.0 | 73.4 | 66.7 | 64.6 | 71.0 | | | | | |
| G40.0 | 69.1 | 71.2 | 64.8 | 62.6 | 69.1 | | | | | |
| G41.0 | 67.2 | 69.3 | 62.9 | 60.7 | 67.2 | | | | | |
| G42.0 | 65.1 | 67.6 | 61.3 | 58.9 | 65.1 | | | | | |
| G43.0 | 63.2 | 65.8 | 59.6 | 57.1 | 63.2 | | | | | |
| G44.0 | 61.5 | 63.7 | 57.7 | 55.4 | 61.5 | | | | | |
| G45.0 | 59.8 | 61.7 | 55.6 | 53.5 | 59.8 | | | | | |
| G46.0 | 58.0 | 59.8 | 53.5 | 51.9 | 58.0 | | | | | |
| G47.0 | 56.2 | 58.0 | 51.7 | 50.2 | 56.2 | | | | | |
| G48.0 | 54.2 | 56.2 | 50.0 | 48.4 | 54.2 | | | | | |
| G49.0 | 52.4 | 54.6 | 48.2 | 46.4 | 52.4 | | | | | |
| G50.0 | 50.5 | 52.9 | 46.3 | 44.8 | 50.5 | | | | | |
| G51.0 | 48.7 | 51.0 | 44.7 | 43.0 | 48.7 | | | | | |
| G52.0 | 47.0 | 49.4 | 42.8 | 41.5 | 47.0 | | | | | |
| G53.0 | 45.5 | 47.8 | 41.1 | 39.9 | 45.5 | | | | | |
| G54.0 | 43.5 | 46.2 | 39.7 | 38.3 | 43.5 | | | | | |
| G55.0 | 42.0 | 44.5 | 37.9 | 36.6 | 42.0 | | | | | |
| G56.0 | 40.2 | 43.0 | 36.2 | 35.2 | 40.2 | | | | | |
| G57.0 | 38.5 | 41.3 | 34.5 | 33.8 | 38.5 | | | | | |
| G58.0 | 36.6 | 39.6 | 32.8 | 32.1 | 36.6 | | | | | |
| G59.0 | 34.9 | 38.1 | 31.3 | 32.1 | 34.9 | | | | | |
| G60.0 | 33.4 | 36.7 | 30.1 | 30.5 | 33.4 | | | | | |
| G61.0 | 31.7 | 35.2 | 28.8 | 28.3 | 31.7 | | | | | |
| G62.0 | 30.2 | 33.7 | 30.2 | 27.5 | 30.2 | | | | | |
| G63.0 | 29.0 | 32.2 | 28.9 | 27.4 | 29.0 | | | | | |
| G64.0 | 27.8 | 32.0 | 26.1 | 25.0 | 27.8 | | | | | |
| G65.0 | 28.7 | 31.0 | 24.4 | 23.3 | 28.7 | | | | | |
| G66.0 | 27.1 | 28.5 | 22.7 | 21.9 | 27.1 | | | | | |
| G67.0 | 24.9 | 28.5 | 21.5 | 20.8 | 24.9 | | | | | |
| G68.0 | 23.2 | 27.1 | 20.5 | 19.7 | 23.2 | | | | | |
| G69.0 | 21.7 | 24.7 | 19.5 | 18.7 | 21.7 | | | | | |
| G70.0 | 20.5 | 23.2 | 18.5 | 17.4 | 20.5 | | | | | |
| G71.0 | 19.4 | 22.0 | 17.7 | 16.3 | 19.4 | | | | | |
| G72.0 | 18.4 | 20.8 | 17.2 | 15.2 | 18.4 | | | | | |
| G73.0 | 17.6 | 19.6 | 15.7 | 13.9 | 17.6 | | | | | |

C Plane (°):0.0-360.0: 90.0
 Test Lab: inventfine instruments
 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 | 16.9 | 18.6 | 14.2 | 13.0 | 16.9 | | | | | |
| G75.0 | 16.1 | 17.5 | 12.9 | 12.1 | 16.1 | | | | | |
| G76.0 | 14.8 | 16.5 | 11.9 | 11.3 | 14.8 | | | | | |
| G77.0 | 13.3 | 15.1 | 11.0 | 10.5 | 13.3 | | | | | |
| G78.0 | 12.3 | 14.0 | 10.2 | 9.7 | 12.3 | | | | | |
| G79.0 | 11.5 | 13.0 | 9.4 | 8.9 | 11.5 | | | | | |
| G80.0 | 10.7 | 12.2 | 8.7 | 8.1 | 10.7 | | | | | |
| G81.0 | 9.9 | 11.3 | 7.8 | 7.4 | 9.9 | | | | | |
| G82.0 | 9.1 | 10.5 | 7.1 | 6.7 | 9.1 | | | | | |
| G83.0 | 8.4 | 9.7 | 6.4 | 6.0 | 8.4 | | | | | |
| G84.0 | 7.7 | 9.0 | 5.8 | 5.3 | 7.7 | | | | | |
| G85.0 | 7.0 | 8.2 | 5.0 | 4.7 | 7.0 | | | | | |
| G86.0 | 6.3 | 7.3 | 4.4 | 4.0 | 6.3 | | | | | |
| G87.0 | 5.7 | 6.2 | 3.9 | 3.5 | 5.7 | | | | | |
| G88.0 | 5.1 | 5.0 | 3.4 | 2.7 | 5.1 | | | | | |
| G89.0 | 4.5 | 3.9 | 2.9 | 1.9 | 4.5 | | | | | |
| G90.0 | 4.0 | 3.0 | 2.6 | 1.5 | 4.0 | | | | | |
| G91.0 | 3.5 | 2.6 | 2.3 | 1.4 | 3.5 | | | | | |
| G92.0 | 3.0 | 2.3 | 2.1 | 1.3 | 3.0 | | | | | |
| G93.0 | 2.6 | 2.1 | 1.9 | 1.1 | 2.6 | | | | | |
| G94.0 | 2.4 | 1.8 | 1.7 | 1.0 | 2.4 | | | | | |
| G95.0 | 2.1 | 1.6 | 1.6 | 1.0 | 2.1 | | | | | |
| G96.0 | 1.9 | 1.4 | 1.5 | 1.0 | 1.9 | | | | | |
| G97.0 | 1.7 | 1.3 | 1.4 | 1.0 | 1.7 | | | | | |
| G98.0 | 1.6 | 1.2 | 1.3 | 0.9 | 1.6 | | | | | |
| G99.0 | 1.5 | 1.1 | 1.3 | 0.9 | 1.5 | | | | | |
| G100.0 | 1.5 | 1.0 | 1.3 | 0.9 | 1.5 | | | | | |
| G101.0 | 1.4 | 1.0 | 1.2 | 1.0 | 1.4 | | | | | |
| G102.0 | 1.4 | 1.0 | 1.2 | 1.1 | 1.4 | | | | | |
| G103.0 | 1.2 | 1.0 | 1.1 | 1.0 | 1.2 | | | | | |
| G104.0 | 1.0 | 1.0 | 1.1 | 0.9 | 1.0 | | | | | |
| G105.0 | 1.0 | 1.0 | 1.0 | 0.9 | 1.0 | | | | | |
| G106.0 | 1.0 | 1.0 | 1.0 | 0.8 | 1.0 | | | | | |
| G107.0 | 1.0 | 1.2 | 0.9 | 0.8 | 1.0 | | | | | |
| G108.0 | 0.9 | 1.2 | 0.9 | 0.8 | 0.9 | | | | | |
| G109.0 | 0.8 | 1.1 | 0.8 | 0.8 | 0.8 | | | | | |
| G110.0 | 0.5 | 0.9 | 0.8 | 0.7 | 0.5 | | | | | |

C Plane (°):0.0-360.0: 90.0
 Test Lab: inventfine instruments
 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 | 0.4 | 0.9 | 0.8 | 0.7 | 0.4 | | | | | |
| G112.0 | 0.4 | 0.9 | 0.8 | 0.7 | 0.4 | | | | | |
| G113.0 | 0.5 | 0.9 | 0.7 | 0.7 | 0.5 | | | | | |
| G114.0 | 0.7 | 0.9 | 0.7 | 0.7 | 0.7 | | | | | |
| G115.0 | 0.6 | 0.8 | 0.6 | 0.7 | 0.6 | | | | | |
| G116.0 | 0.5 | 0.8 | 0.5 | 0.7 | 0.5 | | | | | |
| G117.0 | 0.5 | 0.8 | 0.5 | 0.7 | 0.5 | | | | | |
| G118.0 | 0.5 | 0.8 | 0.5 | 0.7 | 0.5 | | | | | |
| G119.0 | 0.5 | 0.8 | 0.5 | 0.7 | 0.5 | | | | | |
| G120.0 | 0.5 | 0.8 | 0.6 | 0.6 | 0.5 | | | | | |
| G121.0 | 0.6 | 0.8 | 0.6 | 0.6 | 0.6 | | | | | |
| G122.0 | 0.6 | 0.8 | 0.6 | 0.6 | 0.6 | | | | | |
| G123.0 | 0.7 | 0.8 | 0.6 | 0.6 | 0.7 | | | | | |
| G124.0 | 0.6 | 0.8 | 0.6 | 0.6 | 0.6 | | | | | |
| G125.0 | 0.6 | 0.7 | 0.6 | 0.6 | 0.6 | | | | | |
| G126.0 | 0.6 | 0.8 | 0.6 | 0.6 | 0.6 | | | | | |
| G127.0 | 0.6 | 0.7 | 0.6 | 0.6 | 0.6 | | | | | |
| G128.0 | 0.6 | 0.7 | 0.6 | 0.6 | 0.6 | | | | | |
| G129.0 | 0.6 | 0.7 | 0.6 | 0.6 | 0.6 | | | | | |
| G130.0 | 0.6 | 0.7 | 0.7 | 0.6 | 0.6 | | | | | |
| G131.0 | 0.7 | 0.7 | 0.7 | 0.6 | 0.7 | | | | | |
| G132.0 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | | | | | |
| G133.0 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | | | | | |
| G134.0 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | | | | | |
| G135.0 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | | | | | |
| G136.0 | 0.7 | 0.8 | 0.7 | 0.7 | 0.7 | | | | | |
| G137.0 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | | | | | |
| G138.0 | 0.8 | 0.8 | 0.8 | 0.7 | 0.8 | | | | | |
| G139.0 | 0.8 | 0.8 | 0.8 | 0.7 | 0.8 | | | | | |
| G140.0 | 0.8 | 0.8 | 0.8 | 0.7 | 0.8 | | | | | |
| G141.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | | | | | |
| G142.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | | | | | |
| G143.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | | | | | |
| G144.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | | | | | |
| G145.0 | 0.8 | 0.9 | 0.9 | 0.8 | 0.8 | | | | | |
| G146.0 | 0.8 | 0.8 | 0.9 | 0.8 | 0.8 | | | | | |
| G147.0 | 0.9 | 0.9 | 0.9 | 0.8 | 0.9 | | | | | |

C Plane (°):0.0-360.0: 90.0
 Test Lab: inventfine instruments
 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 | 0.9 | 0.9 | 0.9 | 0.8 | 0.9 | | | | | |
| G149.0 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | | | | | |
| G150.0 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | | | | | |
| G151.0 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | | | | | |
| G152.0 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | | | | | |
| G153.0 | 0.9 | 0.9 | 1.0 | 0.9 | 0.9 | | | | | |
| G154.0 | 0.9 | 0.9 | 1.0 | 0.9 | 0.9 | | | | | |
| G155.0 | 0.9 | 0.9 | 1.0 | 0.9 | 0.9 | | | | | |
| G156.0 | 0.9 | 1.0 | 1.0 | 0.9 | 0.9 | | | | | |
| G157.0 | 1.0 | 1.0 | 1.0 | 0.9 | 1.0 | | | | | |
| G158.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | |
| G159.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | |
| G160.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | |
| G161.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | |
| G162.0 | 1.0 | 1.0 | 1.1 | 1.0 | 1.0 | | | | | |
| G163.0 | 1.0 | 1.0 | 1.1 | 1.0 | 1.0 | | | | | |
| G164.0 | 1.0 | 1.1 | 1.1 | 1.0 | 1.0 | | | | | |
| G165.0 | 1.0 | 1.0 | 1.1 | 1.0 | 1.0 | | | | | |
| G166.0 | 1.0 | 1.1 | 1.1 | 1.0 | 1.0 | | | | | |
| G167.0 | 1.0 | 1.1 | 1.1 | 1.0 | 1.0 | | | | | |
| G168.0 | 1.1 | 1.1 | 1.1 | 1.0 | 1.1 | | | | | |
| G169.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | | | | | |
| G170.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | | | | | |
| G171.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | | | | | |
| G172.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | | | | | |
| G173.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | | | | | |
| G174.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | | | | | |
| G175.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | | | | | |
| G176.0 | 1.1 | 1.1 | 1.2 | 1.1 | 1.1 | | | | | |
| G177.0 | 1.1 | 1.1 | 1.2 | 1.1 | 1.1 | | | | | |
| G178.0 | 1.1 | 1.1 | 1.2 | 1.1 | 1.1 | | | | | |
| G179.0 | 1.1 | 1.1 | 1.2 | 1.1 | 1.1 | | | | | |
| G180.0 | 1.1 | 1.1 | 1.2 | 1.1 | 1.1 | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

C Plane (°):0.0-360.0: 90.0
 Test Lab: inventfine instruments
 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 | 1.#J |
| L 0-180(75) av | 1.#J |
| L 0-180(85) av | 1.#J |
| L 90-270(65) av | 1.#J |
| L 90-270(75) av | 1.#J |
| L 90-270(85) av | 1.#J |
| L 45(65) av | 1.#J |
| L 45(75) av | 1.#J |
| L 45(85) av | 1.#J |

Standard: GB/T 29293-2012