

Report No.:

Test Time: 2026-08-26 13:01

## Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Lamp Catalog:

Number of Lamps: 1

Luminous Length (mm): 0 mm

Luminous Height (mm): 0 mm

Current: 0.432 A

Power Factor: 0.985

Luminaire Description: 100W PC

Lamp Description:

Lumens per Lamp: 9092.7 lm

Luminous Width (mm): 0 mm

Voltage: 230.4 V

Power: 103.05 W

## Photometric Results

CIE Class: Direct

Measurement Flux: 9092.7 lm

Downward Ratio: 95.95%

Horizontal Diffuse Angle(50%): H112.3

Vertical Diffuse Angle(50%): V114.5

Luminaire Efficacy Rating (LER): 88.29

Max. Intensity: 3057.41 cd

S/MH(C0/C180): 1.24

Total Rated Lamp Lumens: 9092.7 lm

Efficiency: 100.00%

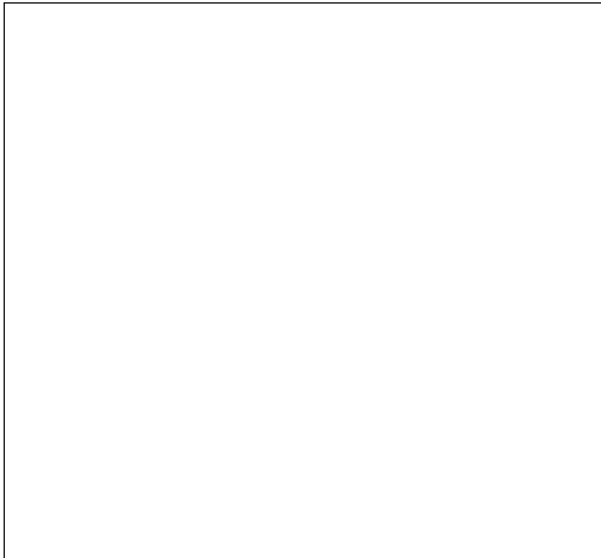
Upward Ratio: 4.05%

C0r0 Intensity: 3050.14 cd

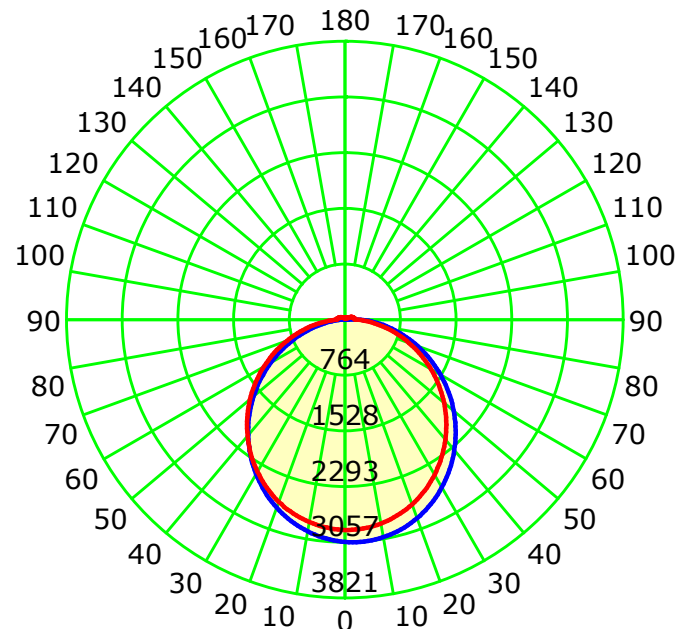
Pos of Max. Intensity: H0 V4

S/MH(C90/C270): 1.25

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 113.4°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

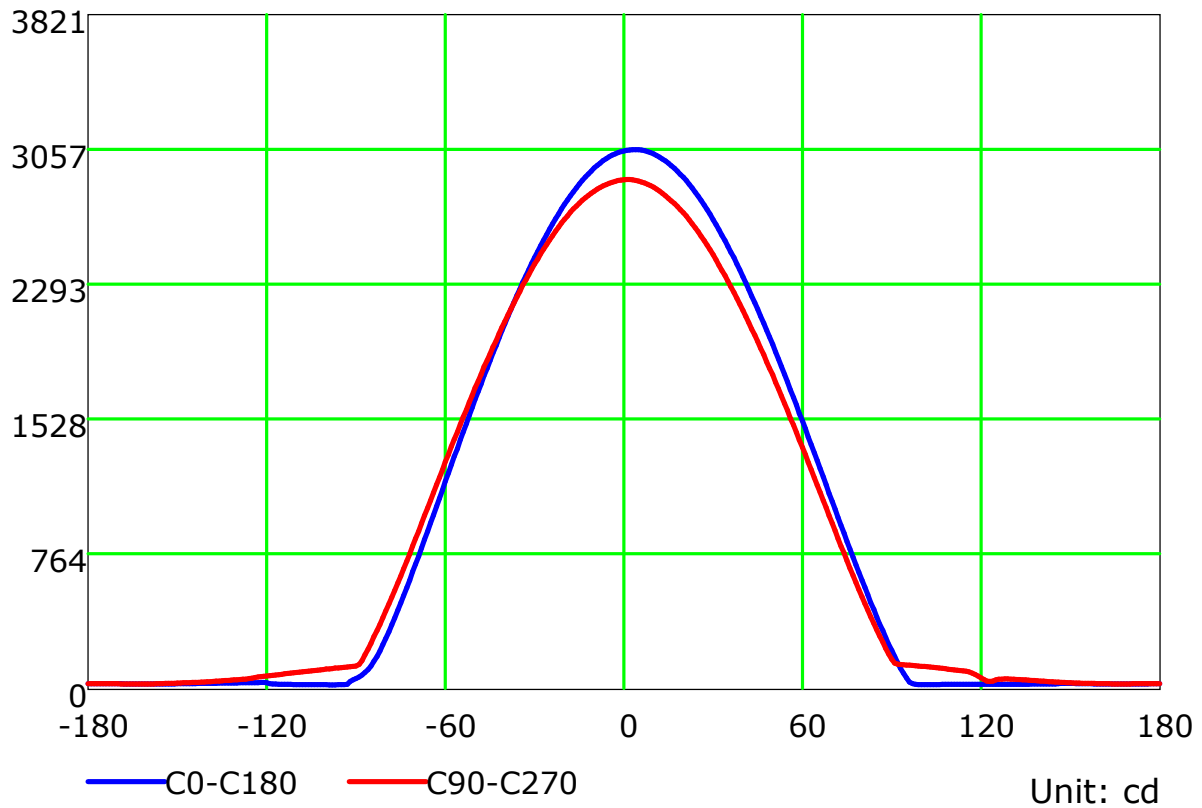
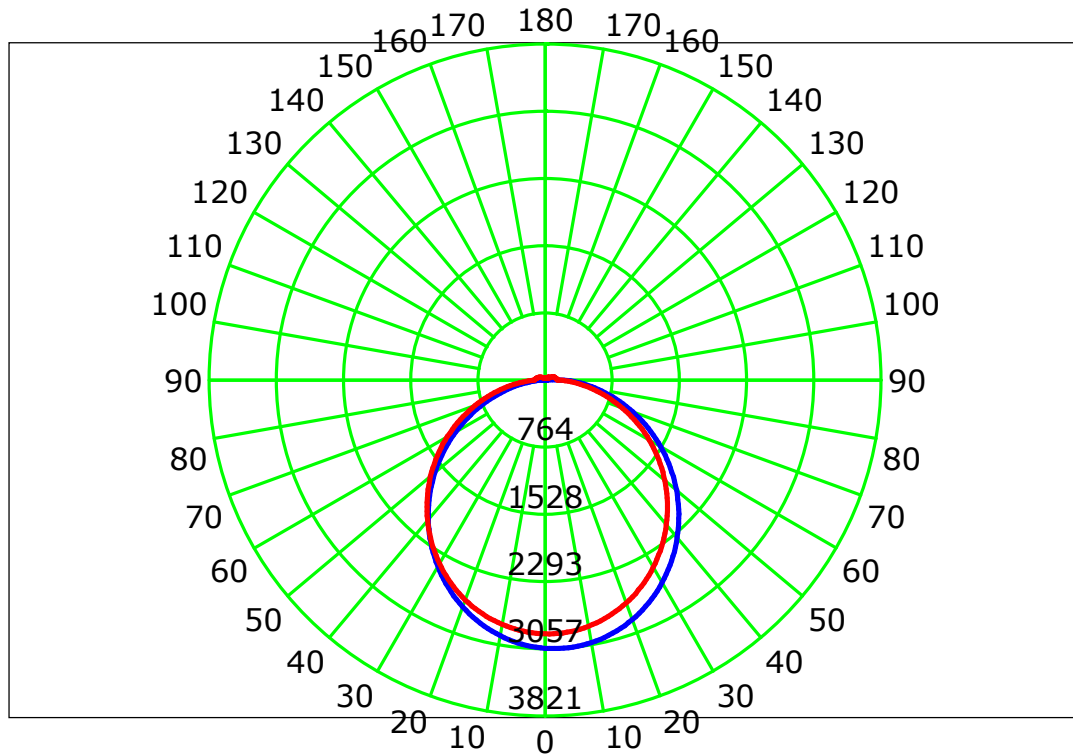
Test Device: GPM-1600L

Distance: 8.200 m

Humidity:

Inspector:

## Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

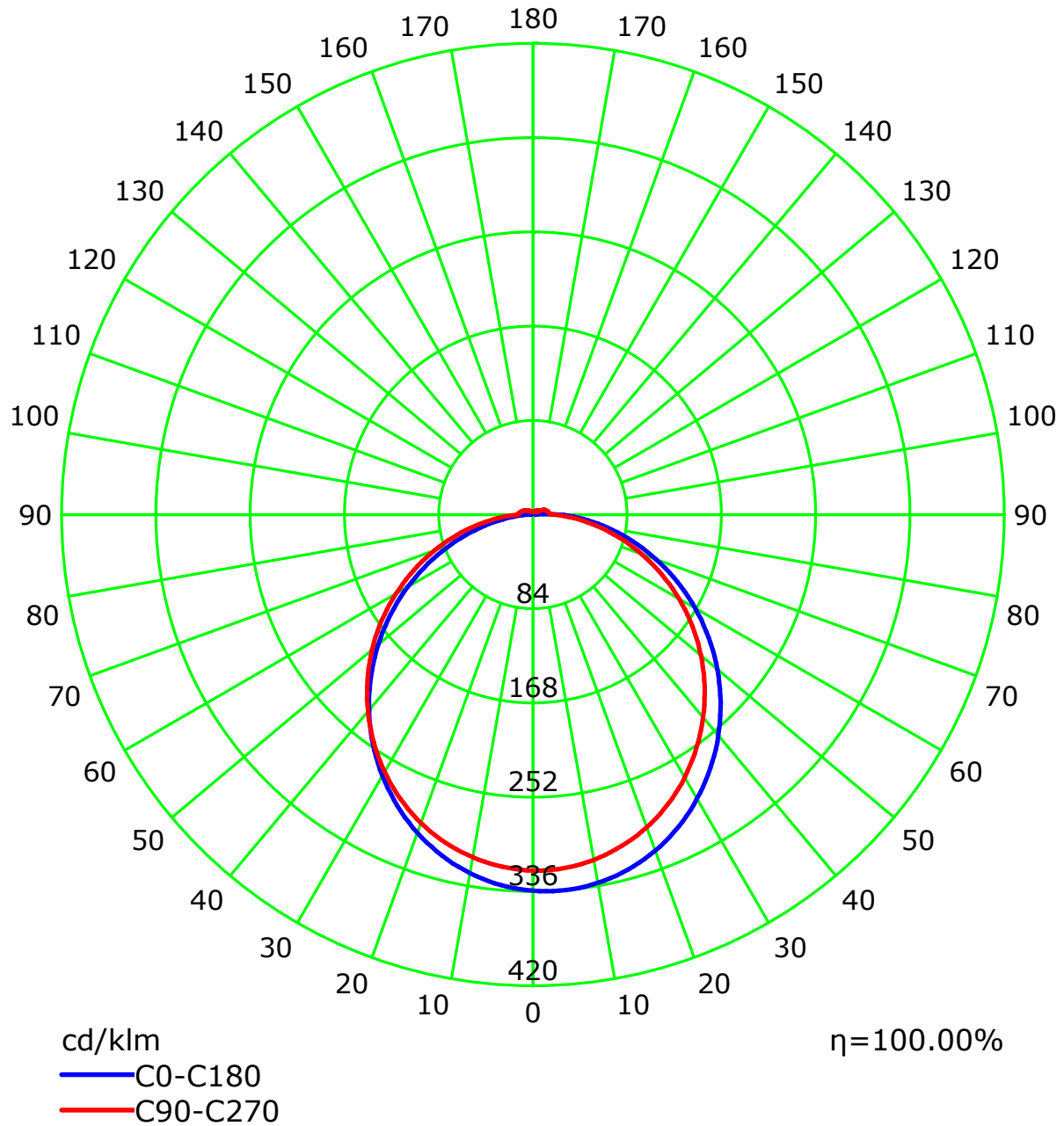
Test Device: GPM-1600L

Distance: 8.200 m

Humidity:

Inspector:

## Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.200 m

Humidity:

Inspector:

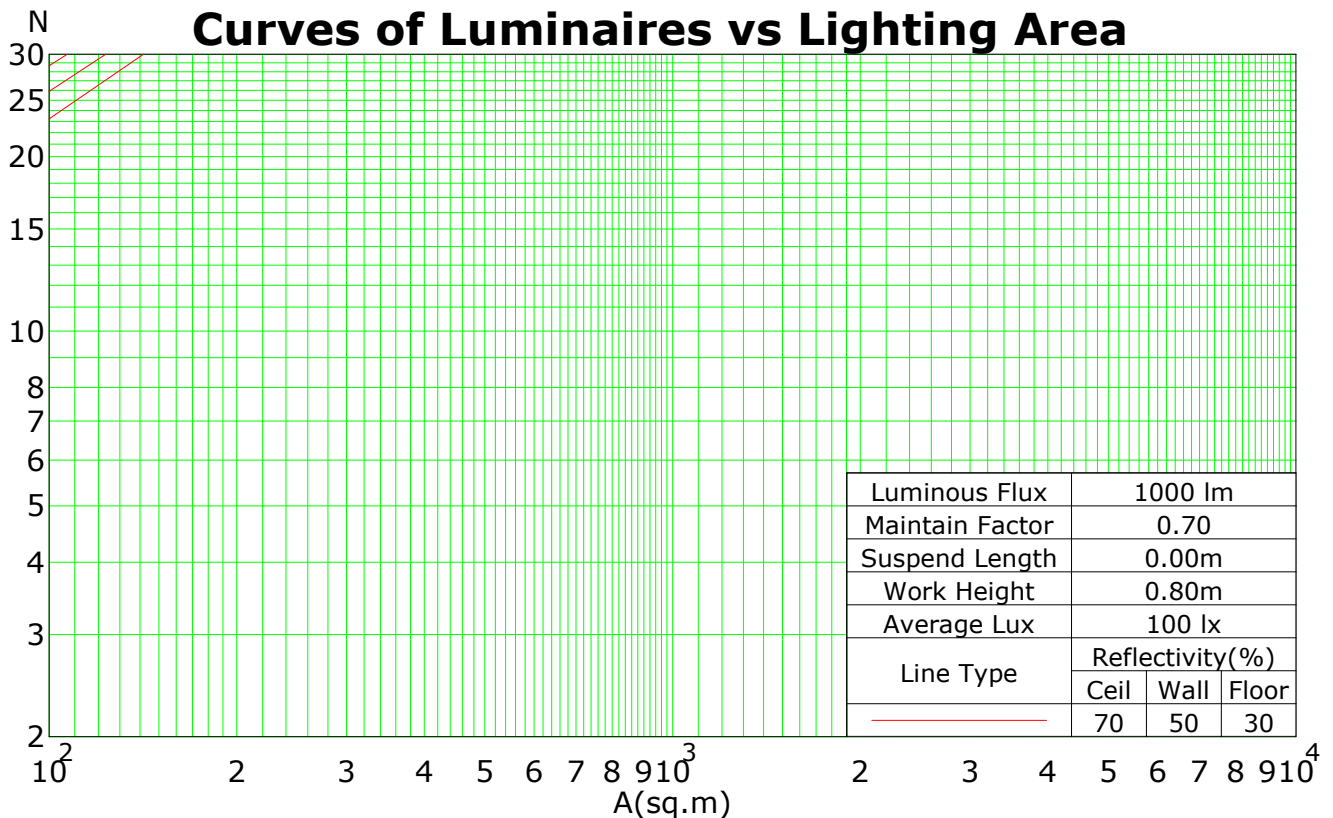
## Coefficients Of Utilization - Zonal Cavity Method

|     |          |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| RC  | 0.8      | 0.8  | 0.8  | 0.8  | 0.7  | 0.7  | 0.7  | 0.7  | 0.5  | 0.5  | 0.5  | 0.3  | 0.3  | 0.3  | 0.1  | 0.1  | 0.1  | 0    |
| RW  | 0.7      | 0.5  | 0.3  | 0.1  | 0.7  | 0.5  | 0.3  | 0.1  | 0.5  | 0.3  | 0.1  | 0.5  | 0.3  | 0.1  | 0.5  | 0.3  | 0.1  | 0    |
| RCR | RF = 0.2 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 0   | 1.18     | 1.18 | 1.18 | 1.18 | 1.15 | 1.15 | 1.15 | 1.15 | 1.09 | 1.09 | 1.09 | 1.03 | 1.03 | 1.03 | 0.98 | 0.98 | 0.98 | 0.96 |
| 1   | 1.07     | 1.02 | 0.97 | 0.93 | 1.04 | 0.99 | 0.95 | 0.91 | 0.94 | 0.91 | 0.87 | 0.89 | 0.87 | 0.84 | 0.85 | 0.83 | 0.81 | 0.78 |
| 2   | 0.97     | 0.88 | 0.81 | 0.75 | 0.94 | 0.86 | 0.79 | 0.74 | 0.82 | 0.76 | 0.71 | 0.78 | 0.73 | 0.69 | 0.74 | 0.70 | 0.67 | 0.65 |
| 3   | 0.88     | 0.77 | 0.69 | 0.62 | 0.85 | 0.75 | 0.67 | 0.61 | 0.72 | 0.65 | 0.60 | 0.68 | 0.63 | 0.58 | 0.65 | 0.60 | 0.56 | 0.54 |
| 4   | 0.81     | 0.68 | 0.59 | 0.52 | 0.78 | 0.67 | 0.58 | 0.52 | 0.64 | 0.56 | 0.51 | 0.61 | 0.54 | 0.49 | 0.58 | 0.53 | 0.48 | 0.46 |
| 5   | 0.74     | 0.61 | 0.52 | 0.45 | 0.72 | 0.59 | 0.51 | 0.44 | 0.57 | 0.49 | 0.44 | 0.54 | 0.48 | 0.43 | 0.52 | 0.46 | 0.42 | 0.40 |
| 6   | 0.68     | 0.55 | 0.46 | 0.39 | 0.66 | 0.54 | 0.45 | 0.39 | 0.51 | 0.44 | 0.38 | 0.49 | 0.42 | 0.37 | 0.47 | 0.41 | 0.37 | 0.35 |
| 7   | 0.63     | 0.50 | 0.41 | 0.34 | 0.61 | 0.49 | 0.40 | 0.34 | 0.47 | 0.39 | 0.34 | 0.45 | 0.38 | 0.33 | 0.43 | 0.37 | 0.33 | 0.30 |
| 8   | 0.59     | 0.45 | 0.37 | 0.31 | 0.57 | 0.44 | 0.36 | 0.30 | 0.43 | 0.35 | 0.30 | 0.41 | 0.34 | 0.30 | 0.40 | 0.34 | 0.29 | 0.27 |
| 9   | 0.55     | 0.41 | 0.33 | 0.27 | 0.53 | 0.41 | 0.33 | 0.27 | 0.39 | 0.32 | 0.27 | 0.38 | 0.31 | 0.27 | 0.37 | 0.31 | 0.26 | 0.24 |
| 10  | 0.52     | 0.38 | 0.30 | 0.25 | 0.50 | 0.38 | 0.30 | 0.25 | 0.36 | 0.29 | 0.24 | 0.35 | 0.29 | 0.24 | 0.34 | 0.28 | 0.24 | 0.22 |

Spacing Criteria (0-180): 1.24

Spacing Criteria (90-270): 1.25

Spacing Criteria (Diagonal): 1.34



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

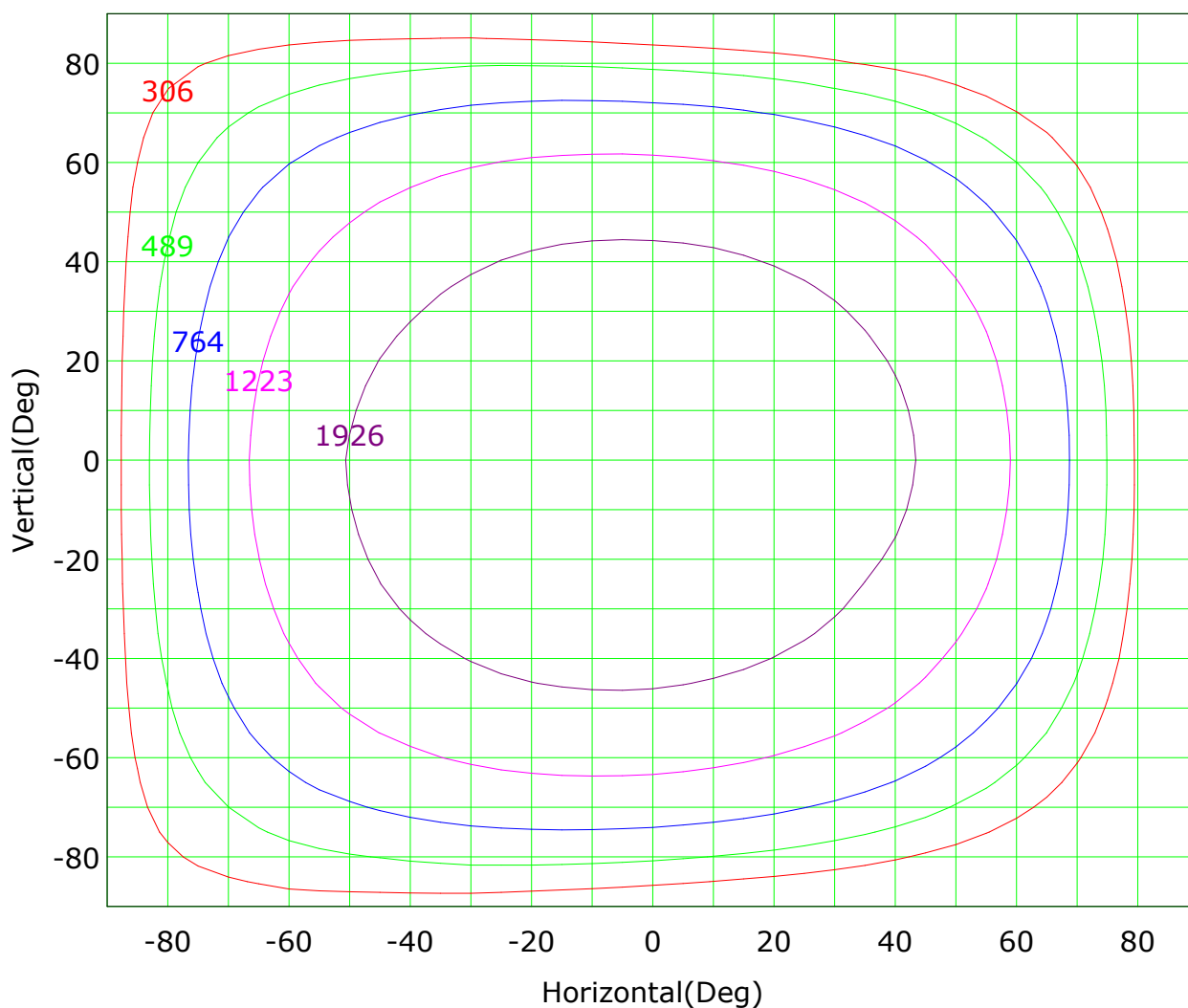
Test Device: GPM-1600L

Distance: 8.200 m

Humidity:

Inspector:

## Isocandela (rectangle)



Imax (100%): 3057 cd

|                 |                 |
|-----------------|-----------------|
| ( 10%): 306 cd  | ( 16%): 489 cd  |
| ( 25%): 764 cd  | ( 40%): 1223 cd |
| ( 63%): 1926 cd | (100%): 3057 cd |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

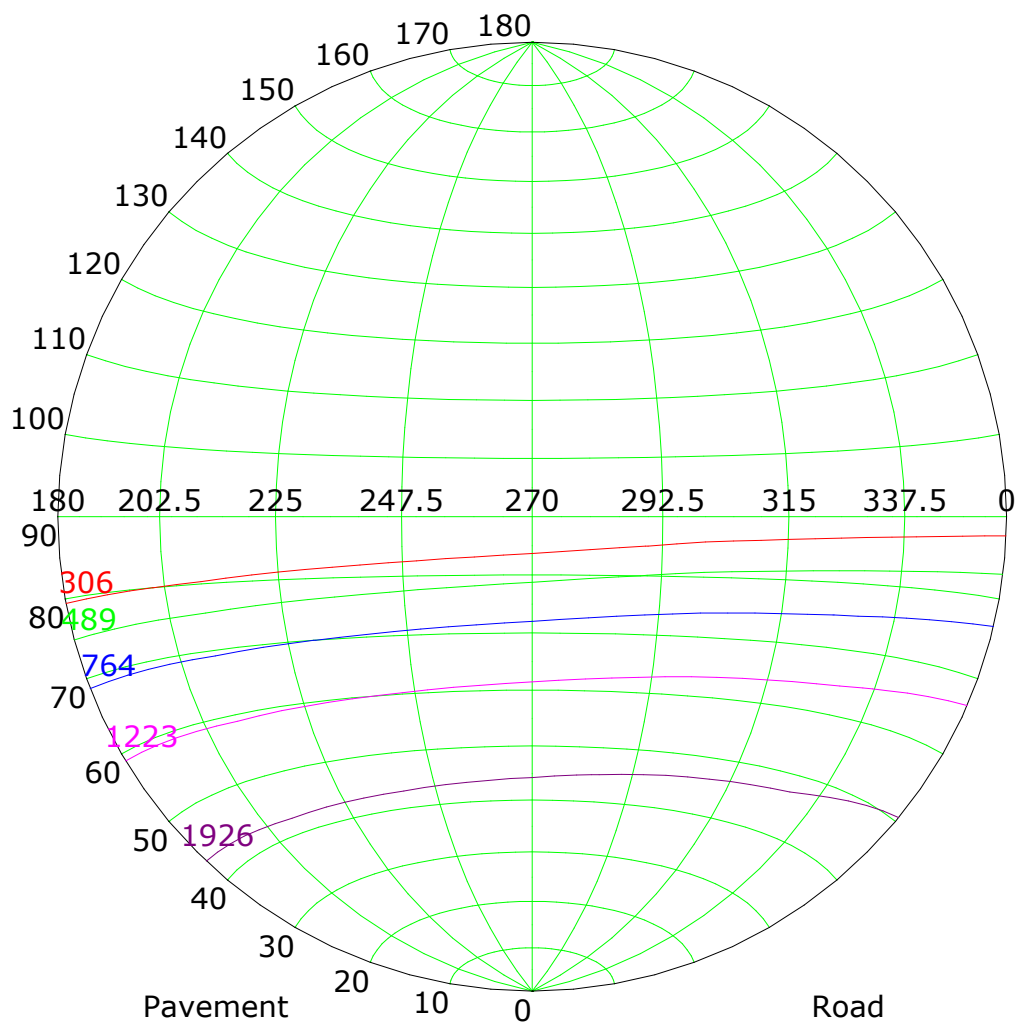
Test Device: GPM-1600L

Distance: 8.200 m

Humidity:

Inspector:

## Isocandela (sphere)



Imax (100%): 3057 cd

|                 |                 |
|-----------------|-----------------|
| ( 10%): 306 cd  | ( 16%): 489 cd  |
| ( 25%): 764 cd  | ( 40%): 1223 cd |
| ( 63%): 1926 cd | (100%): 3057 cd |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

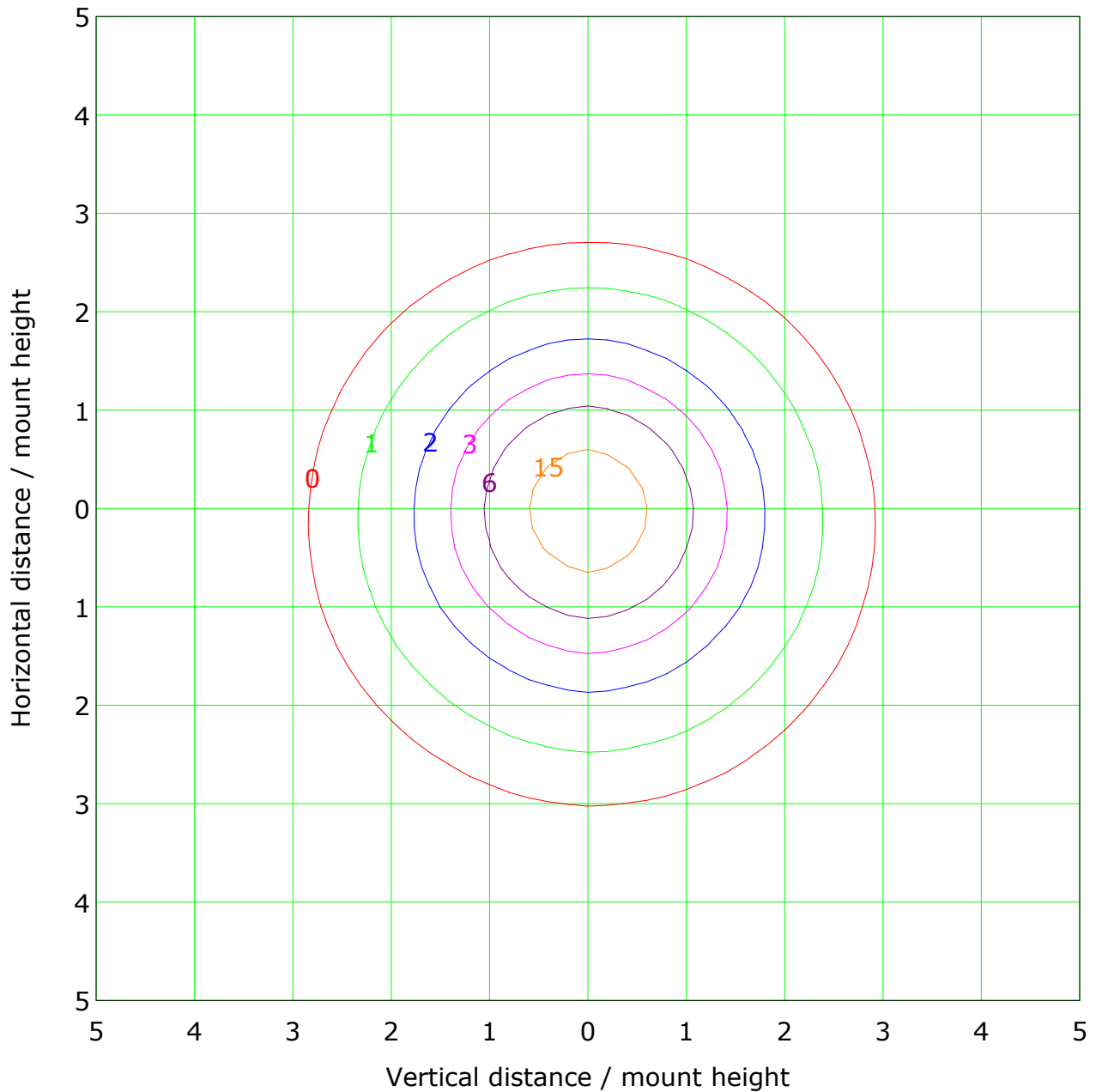
Test Device: GPM-1600L

Distance: 8.200 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10.0m    Max Lux(100%): 30.5 lx

|                   |                  |
|-------------------|------------------|
| — ( 1%): 0.3 lx   | — ( 2%): 0.6 lx  |
| — ( 5%): 1.5 lx   | — (10%): 3.1 lx  |
| — (20%): 6.1 lx   | — (50%): 15.3 lx |
| — (100%): 30.5 lx |                  |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

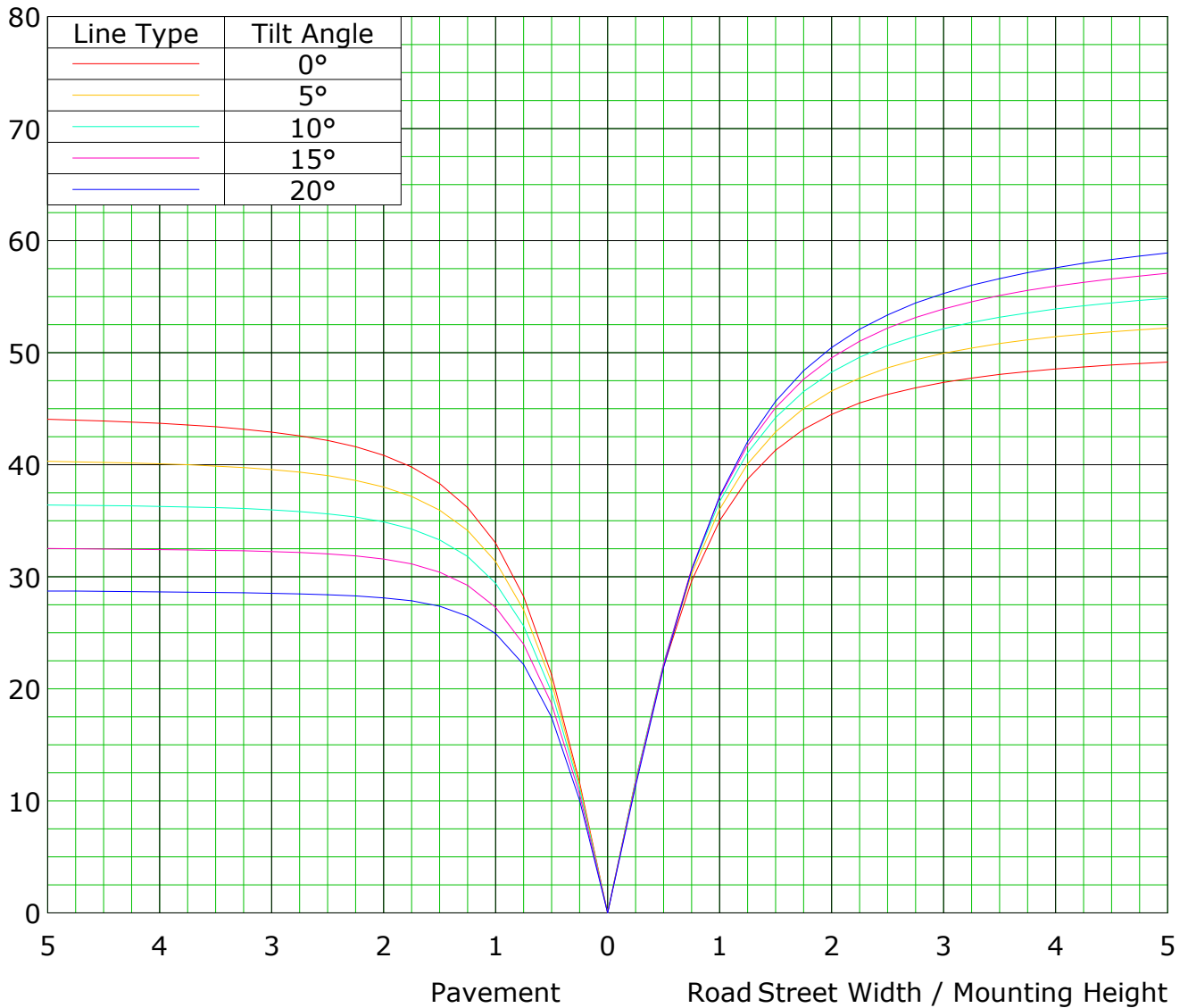
Distance: 8.200 m

Humidity:

Inspector:

## Roadway CU Curve

Efficiency(%)



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

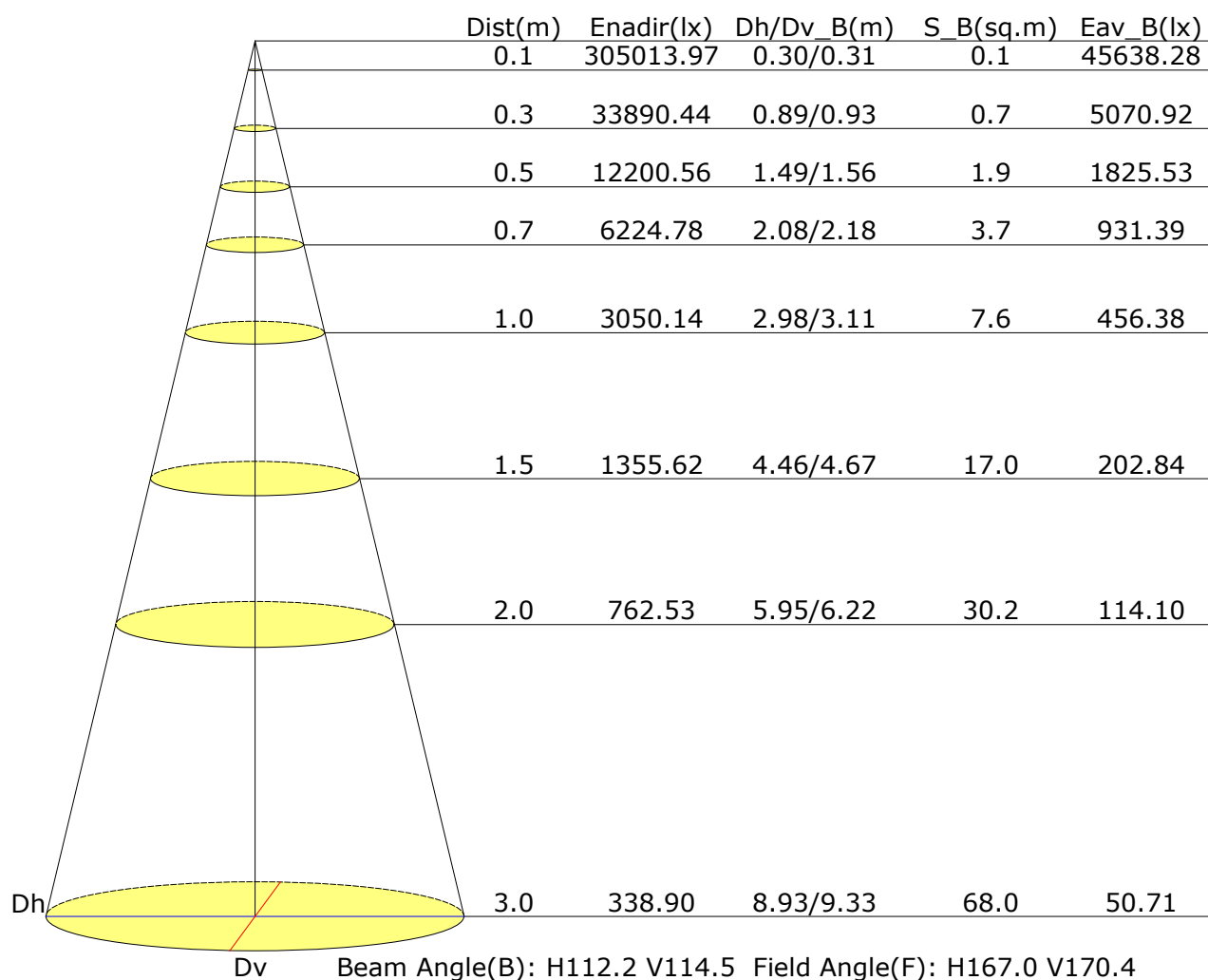
Test Device: GPM-1600L

Distance: 8.200 m

Humidity:

Inspector:

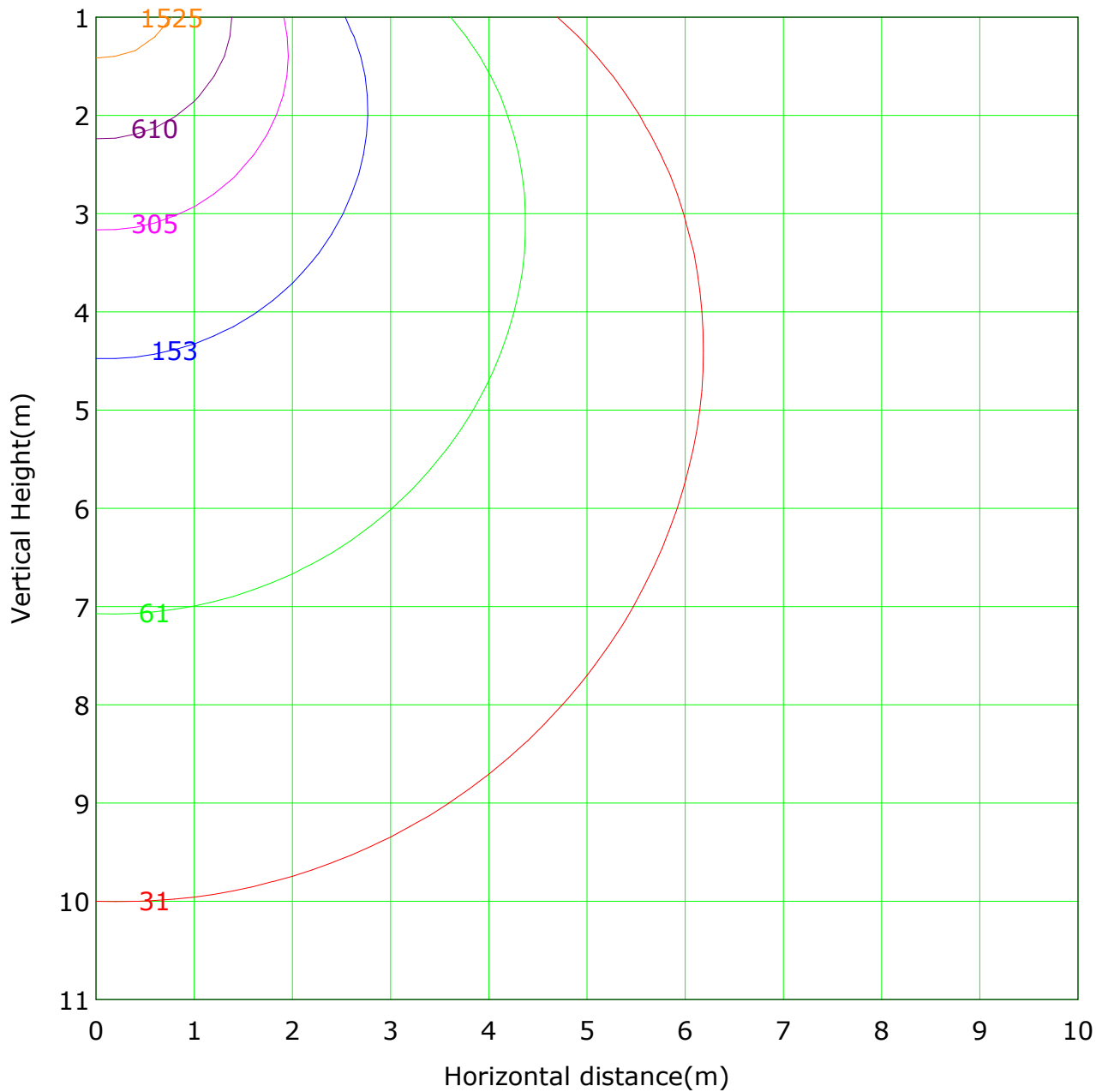
## Illuminance at a Distance



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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.200 m  
 Humidity:  
 Inspector:

## Vertical IsoLux Plot



Lowest(m): 1.0m   Highest(m): 11.0m   Max Lux: 3050.1 lx  
— ( 1%): 30.5 lx   — ( 2%): 61.0 lx  
— ( 5%): 152.5 lx   — ( 10%): 305.0 lx  
— ( 20%): 610.0 lx   — ( 50%): 1525.1 lx  
— (100%): 3050.1 lx

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

Gamma Plane (°): 0.0-180.0: 1.0  
Test Device: GPM-1600L  
Distance: 8.200 m  
Humidity:  
Inspector:

## Area Flux Table

Unit: lm

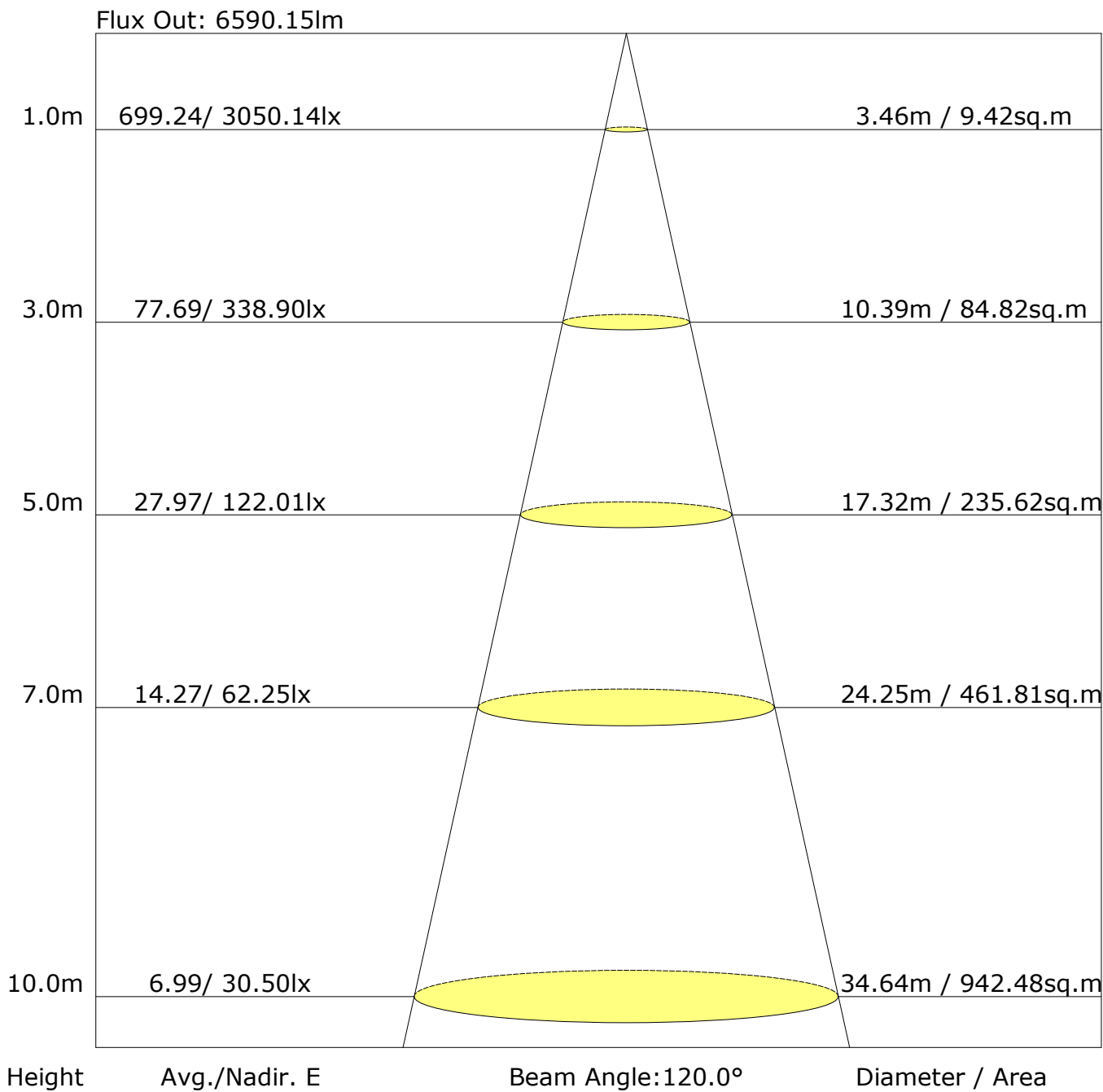
| Vertical plane |     |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|----------------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| -90            | 0.2 | 0.7  | 1.4   | 2.3   | 3.4   | 4.6   | 5.8   | 6.9   | 7.7   | 8.3   | 8.6   | 8.5   | 7.7   | 6.5   | 5.1   | 3.5   |
| -80            | 0.2 | 1.0  | 2.5   | 4.8   | 7.9   | 11.3  | 14.5  | 17.2  | 19.0  | 19.8  | 19.4  | 18.0  | 15.4  | 12.2  | 8.8   | 5.5   |
| -70            | 0.3 | 1.5  | 4.2   | 8.4   | 13.7  | 19.4  | 24.8  | 29.1  | 31.8  | 32.6  | 31.5  | 28.5  | 23.9  | 18.4  | 12.7  | 7.6   |
| -60            | 0.3 | 2.0  | 6.1   | 12.2  | 19.8  | 27.8  | 35.3  | 41.2  | 44.8  | 45.6  | 43.6  | 39.0  | 32.3  | 24.5  | 16.7  | 9.7   |
| -50            | 0.4 | 2.6  | 7.9   | 15.8  | 25.5  | 35.8  | 45.2  | 52.6  | 56.9  | 57.6  | 54.9  | 48.8  | 40.2  | 30.3  | 20.4  | 11.7  |
| -40            | 0.4 | 3.2  | 9.5   | 19.0  | 30.6  | 42.8  | 54.0  | 62.6  | 67.6  | 68.3  | 64.7  | 57.3  | 47.0  | 35.3  | 23.7  | 13.4  |
| -30            | 0.4 | 3.6  | 10.8  | 21.7  | 34.8  | 48.6  | 61.3  | 71.0  | 76.4  | 76.9  | 72.8  | 64.2  | 52.7  | 39.7  | 26.6  | 14.9  |
| -20            | 0.5 | 3.9  | 11.7  | 23.6  | 38.0  | 53.1  | 66.8  | 77.3  | 82.9  | 83.1  | 78.4  | 69.6  | 57.5  | 43.2  | 28.7  | 16.0  |
| -10            | 0.5 | 4.0  | 12.2  | 24.6  | 39.7  | 55.8  | 70.7  | 82.0  | 87.6  | 87.1  | 83.7  | 74.7  | 61.2  | 45.6  | 30.1  | 16.6  |
| 0              | 0.5 | 4.0  | 12.2  | 24.6  | 39.6  | 55.5  | 70.0  | 80.7  | 86.3  | 89.1  | 85.6  | 75.8  | 61.8  | 46.0  | 30.3  | 16.7  |
| 10             | 0.5 | 3.9  | 11.8  | 23.5  | 37.7  | 52.3  | 65.4  | 76.0  | 82.7  | 84.9  | 81.3  | 72.3  | 59.3  | 44.3  | 29.3  | 16.2  |
| 20             | 0.4 | 3.6  | 10.9  | 21.7  | 34.5  | 47.8  | 60.5  | 70.7  | 77.1  | 78.8  | 75.3  | 66.9  | 55.1  | 41.3  | 27.4  | 15.3  |
| 30             | 0.4 | 3.2  | 9.6   | 19.1  | 30.4  | 42.6  | 54.1  | 63.2  | 68.9  | 70.3  | 67.2  | 59.9  | 49.4  | 37.2  | 24.9  | 13.9  |
| 40             | 0.4 | 2.7  | 8.1   | 16.0  | 25.7  | 36.2  | 45.9  | 53.7  | 58.6  | 59.9  | 57.3  | 51.3  | 42.4  | 32.1  | 21.7  | 12.3  |
| 50             | 0.3 | 2.2  | 6.3   | 12.6  | 20.4  | 28.7  | 36.5  | 42.9  | 46.9  | 48.0  | 46.2  | 41.5  | 34.5  | 26.3  | 18.0  | 10.3  |
| 60             | 0.3 | 1.6  | 4.5   | 9.0   | 14.6  | 20.6  | 26.4  | 31.1  | 34.3  | 35.3  | 34.1  | 31.0  | 26.0  | 20.1  | 14.0  | 8.3   |
| 70             | 0.2 | 1.1  | 2.8   | 5.5   | 8.9   | 12.6  | 16.2  | 19.3  | 21.5  | 22.4  | 21.9  | 20.3  | 17.4  | 13.8  | 9.9   | 6.1   |
| 80             | 0.2 | 0.8  | 1.6   | 2.7   | 4.1   | 5.6   | 7.2   | 8.7   | 9.8   | 10.5  | 10.7  | 10.4  | 9.4   | 7.8   | 6.0   | 4.1   |
| 90             | 0.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| Flux(T)        | 6.3 | 45.5 | 134.1 | 266.9 | 429.4 | 601.4 | 760.7 | 886.3 | 960.7 | 978.5 | 937.5 | 838.1 | 693.3 | 524.5 | 354.0 | 202.1 |
| Flux(E)        | 0.0 | 32.9 | 123.6 | 256.9 | 419.9 | 592.3 | 752.2 | 878.4 | 953.4 | 971.8 | 931.7 | 832.7 | 688.3 | 520.2 | 350.0 | 198.2 |
| Flux(T)        | 6.3 | 45.5 | 134.1 | 266.9 | 429.4 | 601.4 | 760.7 | 886.3 | 960.7 | 978.5 | 937.5 | 838.1 | 693.3 | 524.5 | 354.0 | 202.1 |
| Flux(E)        | 0.0 | 32.9 | 123.6 | 256.9 | 419.9 | 592.3 | 752.2 | 878.4 | 953.4 | 971.8 | 931.7 | 832.7 | 688.3 | 520.2 | 350.0 | 198.2 |

Horizontal plane

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

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600L  
Distance: 8.200 m  
Humidity:  
Inspector:

# The Average Illuminance Effective Figure



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

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600L  
Distance: 8.200 m  
Humidity:  
Inspector:

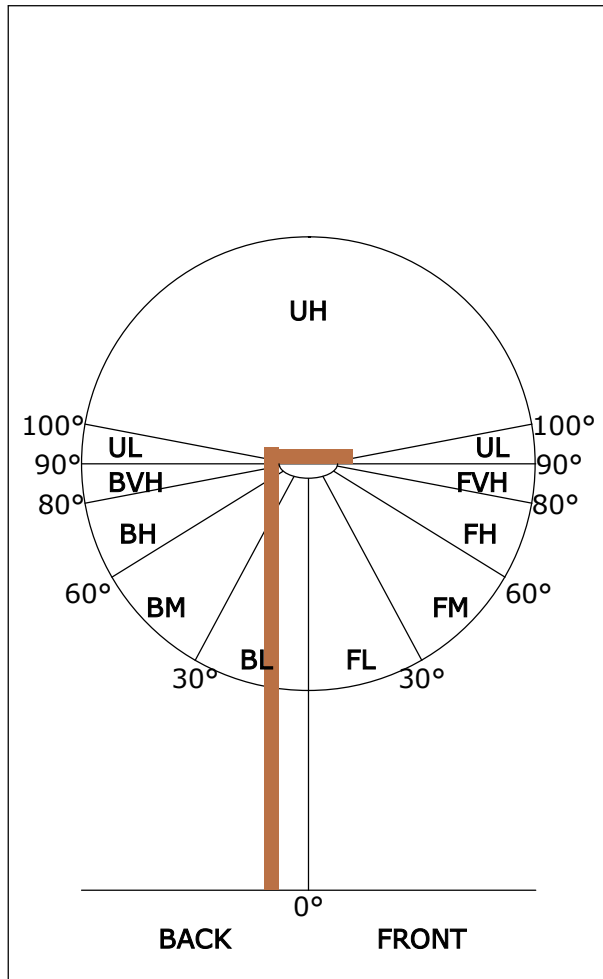
## UGR Table

|                                                    |                  |       |       |       |       |                |       |       |       |       |
|----------------------------------------------------|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Reflectance:                                       |                  |       |       |       |       |                |       |       |       |       |
| Ceiling (cavity)                                   | 0.7              | 0.7   | 0.5   | 0.5   | 0.3   | 0.7            | 0.7   | 0.5   | 0.5   | 0.3   |
| Wall                                               | 0.5              | 0.3   | 0.5   | 0.3   | 0.3   | 0.5            | 0.3   | 0.5   | 0.3   | 0.3   |
| Reference plane                                    | 0.2              | 0.2   | 0.2   | 0.2   | 0.2   | 0.2            | 0.2   | 0.2   | 0.2   | 0.2   |
| Room dimensions                                    | Viewed crosswise |       |       |       |       | Viewed endwise |       |       |       |       |
| X=2H Y=2H                                          | -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                                             | -1.\$/-1.\$      |       |       |       |       | -1.\$/-1.\$    |       |       |       |       |
| S=1.5H                                             | -1.\$/-1.\$      |       |       |       |       | -1.\$/-1.\$    |       |       |       |       |
| S=2.0H                                             | -1.\$/-1.\$      |       |       |       |       | -1.\$/-1.\$    |       |       |       |       |

Calculate in accordance with CIE Pub.117. The table is revised with 9093lm ( $8\log(F/F_0) = 7.7$ ).

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.200 m  
 Humidity:  
 Inspector:

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

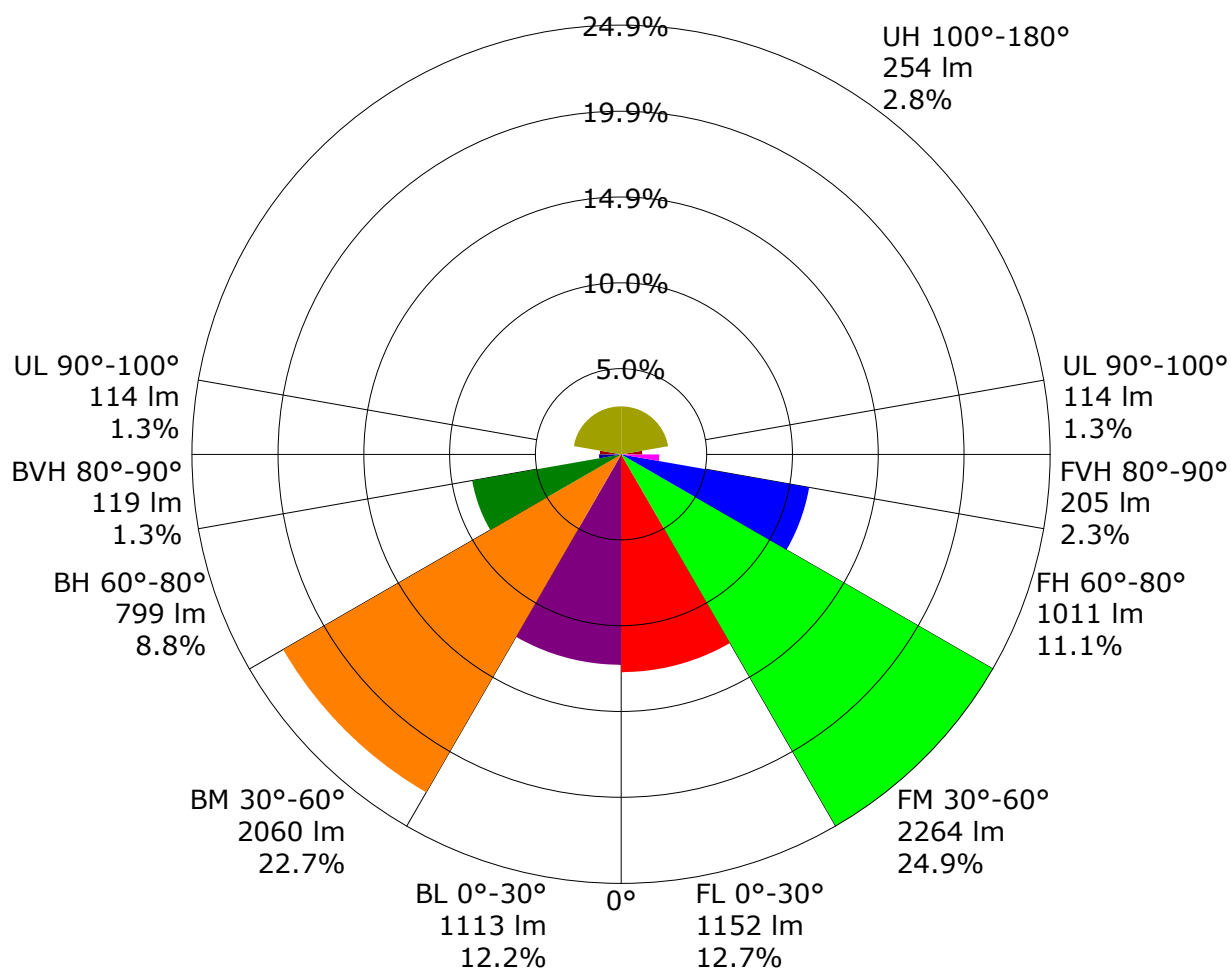
| ZONE           | LUMENS | % LAMP LUMENS |
|----------------|--------|---------------|
| FORWARD LIGHT  | 4633   | 51.0          |
| FL ( 0°-30°)   | 1152   | 12.7          |
| FM (30°-60°)   | 2264   | 24.9          |
| FH (60°-80°)   | 1011   | 11.1          |
| FVH (80°-90°)  | 205    | 2.3           |
| BACK LIGHT     | 4092   | 45.0          |
| BL ( 0°-30°)   | 1113   | 12.2          |
| BM (30°-60°)   | 2060   | 22.7          |
| BH (60°-80°)   | 799    | 8.8           |
| BVH (80°-90°)  | 119    | 1.3           |
| UP LIGHT       | 368    | 4.0           |
| UL (90°-100°)  | 114    | 1.3           |
| UH (100°-180°) | 254    | 2.8           |
| TRAPPED LIGHT  | NA     | NA            |

| BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07             |          |
|------------------------------------------------------------------|----------|
| Asymmetrical Luminaire Types<br>(Type I,II,III,IV)               | B3 U5 G2 |
| Quadrilateral Symmetrical Luminaire Types<br>(Type V,Area Light) | B3 U5 G1 |

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.200 m  
 Humidity:  
 Inspector:

## LCS Graph



**Back Light**

**Forward Light**

Scale= MAX LCS%

Trapped Light:NA,NA

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.200 m

Humidity:

Inspector:

## Utilisation Factor Table(Floor cavity)

| Utilisation Factors UF(F)                                                                                                                                                          |      |       | SHR NOM = 1.25 |      |      |      |      |      |      |      |      |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|----------------|------|------|------|------|------|------|------|------|--|
| Room Reflectance                                                                                                                                                                   |      |       | Room Index(RI) |      |      |      |      |      |      |      |      |  |
| Ceiling                                                                                                                                                                            | Wall | Floor | 0.75           | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 |  |
| 0.70                                                                                                                                                                               | 0.50 | 0.20  | 0.54           | 0.64 | 0.71 | 0.77 | 0.84 | 0.89 | 0.93 | 0.97 | 1.01 |  |
|                                                                                                                                                                                    | 0.30 |       | 0.46           | 0.56 | 0.64 | 0.69 | 0.77 | 0.83 | 0.87 | 0.93 | 0.97 |  |
|                                                                                                                                                                                    | 0.20 |       | 0.40           | 0.50 | 0.58 | 0.64 | 0.72 | 0.78 | 0.83 | 0.89 | 0.93 |  |
| 0.50                                                                                                                                                                               | 0.50 | 0.20  | 0.52           | 0.62 | 0.68 | 0.73 | 0.80 | 0.85 | 0.88 | 0.93 | 0.96 |  |
|                                                                                                                                                                                    | 0.30 |       | 0.45           | 0.55 | 0.62 | 0.67 | 0.75 | 0.80 | 0.84 | 0.89 | 0.92 |  |
|                                                                                                                                                                                    | 0.20 |       | 0.40           | 0.49 | 0.57 | 0.62 | 0.70 | 0.76 | 0.80 | 0.86 | 0.89 |  |
| 0.30                                                                                                                                                                               | 0.50 | 0.20  | 0.50           | 0.59 | 0.66 | 0.70 | 0.77 | 0.81 | 0.84 | 0.88 | 0.91 |  |
|                                                                                                                                                                                    | 0.30 |       | 0.44           | 0.53 | 0.60 | 0.65 | 0.72 | 0.77 | 0.81 | 0.85 | 0.88 |  |
|                                                                                                                                                                                    | 0.20 |       | 0.39           | 0.48 | 0.55 | 0.61 | 0.68 | 0.73 | 0.77 | 0.83 | 0.86 |  |
| 0.00                                                                                                                                                                               | 0.00 | 0.00  | 0.36           | 0.45 | 0.52 | 0.57 | 0.64 | 0.69 | 0.72 | 0.77 | 0.80 |  |
| Rating:103W Photometrically tested without ceiling board.<br>Multiply UF values by service correction factors<br>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980 |      |       |                |      |      |      |      |      |      |      |      |  |

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.200 m  
 Humidity:  
 Inspector:

## Utilisation Factor Table(Wall)

| Utilisation Factors UF(W)                                                                                                                                                          |      |       | SHR NOM = 1.25 |      |      |      |      |      |      |      |      |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|----------------|------|------|------|------|------|------|------|------|--|
| Room Reflectance                                                                                                                                                                   |      |       | Room Index(RI) |      |      |      |      |      |      |      |      |  |
| Ceiling                                                                                                                                                                            | Wall | Floor | 0.75           | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 |  |
| 0.70                                                                                                                                                                               | 0.50 | 0.20  | 1.02           | 0.85 | 0.73 | 0.64 | 0.51 | 0.43 | 0.37 | 0.29 | 0.24 |  |
|                                                                                                                                                                                    | 0.30 |       | 0.85           | 0.72 | 0.63 | 0.56 | 0.46 | 0.39 | 0.34 | 0.27 | 0.23 |  |
|                                                                                                                                                                                    | 0.20 |       | 0.73           | 0.63 | 0.56 | 0.51 | 0.42 | 0.36 | 0.32 | 0.26 | 0.22 |  |
| 0.50                                                                                                                                                                               | 0.50 | 0.20  | 0.97           | 0.81 | 0.69 | 0.61 | 0.49 | 0.44 | 0.35 | 0.27 | 0.23 |  |
|                                                                                                                                                                                    | 0.30 |       | 0.82           | 0.70 | 0.61 | 0.54 | 0.45 | 0.38 | 0.33 | 0.26 | 0.22 |  |
|                                                                                                                                                                                    | 0.20 |       | 0.71           | 0.62 | 0.55 | 0.49 | 0.41 | 0.35 | 0.31 | 0.25 | 0.21 |  |
| 0.30                                                                                                                                                                               | 0.50 | 0.20  | 0.94           | 0.77 | 0.66 | 0.58 | 0.46 | 0.39 | 0.33 | 0.26 | 0.22 |  |
|                                                                                                                                                                                    | 0.30 |       | 0.80           | 0.68 | 0.59 | 0.52 | 0.43 | 0.36 | 0.31 | 0.25 | 0.21 |  |
|                                                                                                                                                                                    | 0.20 |       | 0.70           | 0.61 | 0.53 | 0.48 | 0.40 | 0.34 | 0.30 | 0.24 | 0.20 |  |
| 0.00                                                                                                                                                                               | 0.00 | 0.00  | 0.60           | 0.51 | 0.44 | 0.39 | 0.32 | 0.27 | 0.24 | 0.19 | 0.16 |  |
| Rating:103W Photometrically tested without ceiling board.<br>Multiply UF values by service correction factors<br>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980 |      |       |                |      |      |      |      |      |      |      |      |  |

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.200 m  
 Humidity:  
 Inspector:

## Utilisation Factor Table(Ceiling cavity)

| Utilisation Factors UF(C)                                                                                                                                                          |      |       | SHR NOM = 1.25 |      |      |      |      |      |      |      |      |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|----------------|------|------|------|------|------|------|------|------|--|
| Room Reflectance                                                                                                                                                                   |      |       | Room Index(RI) |      |      |      |      |      |      |      |      |  |
| Ceiling                                                                                                                                                                            | Wall | Floor | 0.75           | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 |  |
| 0.70                                                                                                                                                                               | 0.50 | 0.20  | 0.20           | 0.22 | 0.22 | 0.23 | 0.24 | 0.25 | 0.25 | 0.25 | 0.26 |  |
|                                                                                                                                                                                    | 0.30 |       | 0.13           | 0.15 | 0.16 | 0.17 | 0.19 | 0.20 | 0.21 | 0.22 | 0.23 |  |
|                                                                                                                                                                                    | 0.20 |       | 0.08           | 0.10 | 0.11 | 0.13 | 0.15 | 0.16 | 0.17 | 0.19 | 0.20 |  |
| 0.50                                                                                                                                                                               | 0.50 | 0.20  | 0.20           | 0.21 | 0.22 | 0.22 | 0.23 | 0.24 | 0.24 | 0.24 | 0.25 |  |
|                                                                                                                                                                                    | 0.30 |       | 0.13           | 0.15 | 0.16 | 0.17 | 0.18 | 0.19 | 0.20 | 0.21 | 0.22 |  |
|                                                                                                                                                                                    | 0.20 |       | 0.08           | 0.10 | 0.11 | 0.12 | 0.14 | 0.16 | 0.17 | 0.19 | 0.20 |  |
| 0.30                                                                                                                                                                               | 0.50 | 0.20  | 0.19           | 0.20 | 0.21 | 0.21 | 0.22 | 0.23 | 0.23 | 0.23 | 0.24 |  |
|                                                                                                                                                                                    | 0.30 |       | 0.13           | 0.14 | 0.15 | 0.16 | 0.18 | 0.19 | 0.20 | 0.21 | 0.21 |  |
|                                                                                                                                                                                    | 0.20 |       | 0.08           | 0.10 | 0.11 | 0.12 | 0.14 | 0.15 | 0.16 | 0.18 | 0.19 |  |
| 0.00                                                                                                                                                                               | 0.00 | 0.00  | 0.04           | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |  |
| Rating:103W Photometrically tested without ceiling board.<br>Multiply UF values by service correction factors<br>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980 |      |       |                |      |      |      |      |      |      |      |      |  |

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.200 m  
 Humidity:  
 Inspector:

## Zonal Lumen

| Gamma<br>[°] | I <sub>mean</sub><br>[cd] | Zonal Flux<br>[lm] | Sum Zonal Flux<br>[lm] | Rel Zonal Flux<br>[%] | Sum Rel Zonal Flux<br>[%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 0.0-1.0      | 2927.4                    | 2.8                | 2.8                    | 0.03                  | 0.03                      |
| 1.0-2.0      | 2926.3                    | 8.4                | 11.2                   | 0.09                  | 0.12                      |
| 2.0-3.0      | 2924.1                    | 14.0               | 25.2                   | 0.15                  | 0.28                      |
| 3.0-4.0      | 2920.8                    | 19.6               | 44.7                   | 0.22                  | 0.49                      |
| 4.0-5.0      | 2916.4                    | 25.1               | 69.8                   | 0.28                  | 0.77                      |
| 5.0-6.0      | 2910.8                    | 30.6               | 100.4                  | 0.34                  | 1.10                      |
| 6.0-7.0      | 2904.1                    | 36.1               | 136.5                  | 0.40                  | 1.50                      |
| 7.0-8.0      | 2896.4                    | 41.5               | 177.9                  | 0.46                  | 1.96                      |
| 8.0-9.0      | 2887.4                    | 46.8               | 224.7                  | 0.51                  | 2.47                      |
| 9.0-10.0     | 2877.5                    | 52.1               | 276.8                  | 0.57                  | 3.04                      |
| 10.0-11.0    | 2866.2                    | 57.3               | 334.1                  | 0.63                  | 3.67                      |
| 11.0-12.0    | 2853.9                    | 62.4               | 396.5                  | 0.69                  | 4.36                      |
| 12.0-13.0    | 2841.2                    | 67.4               | 463.9                  | 0.74                  | 5.10                      |
| 13.0-14.0    | 2827.0                    | 72.4               | 536.3                  | 0.80                  | 5.90                      |
| 14.0-15.0    | 2811.9                    | 77.2               | 613.5                  | 0.85                  | 6.75                      |
| 15.0-16.0    | 2796.0                    | 81.9               | 695.4                  | 0.90                  | 7.65                      |
| 16.0-17.0    | 2778.7                    | 86.5               | 782.0                  | 0.95                  | 8.60                      |
| 17.0-18.0    | 2761.3                    | 91.1               | 873.0                  | 1.00                  | 9.60                      |
| 18.0-19.0    | 2742.4                    | 95.4               | 968.5                  | 1.05                  | 10.65                     |
| 19.0-20.0    | 2722.4                    | 99.7               | 1068.1                 | 1.10                  | 11.75                     |
| 20.0-21.0    | 2702.4                    | 103.8              | 1171.9                 | 1.14                  | 12.89                     |
| 21.0-22.0    | 2680.6                    | 107.7              | 1279.6                 | 1.18                  | 14.07                     |
| 22.0-23.0    | 2657.9                    | 111.5              | 1391.2                 | 1.23                  | 15.30                     |
| 23.0-24.0    | 2634.2                    | 115.2              | 1506.4                 | 1.27                  | 16.57                     |
| 24.0-25.0    | 2609.5                    | 118.7              | 1625.0                 | 1.31                  | 17.87                     |
| 25.0-26.0    | 2585.0                    | 122.0              | 1747.1                 | 1.34                  | 19.21                     |
| 26.0-27.0    | 2558.6                    | 125.2              | 1872.3                 | 1.38                  | 20.59                     |
| 27.0-28.0    | 2531.7                    | 128.2              | 2000.5                 | 1.41                  | 22.00                     |
| 28.0-29.0    | 2504.3                    | 131.0              | 2131.5                 | 1.44                  | 23.44                     |
| 29.0-30.0    | 2475.4                    | 133.7              | 2265.2                 | 1.47                  | 24.91                     |
| 30.0-31.0    | 2446.4                    | 136.2              | 2401.3                 | 1.50                  | 26.41                     |
| 31.0-32.0    | 2416.2                    | 138.4              | 2539.8                 | 1.52                  | 27.93                     |
| 32.0-33.0    | 2385.1                    | 140.5              | 2680.3                 | 1.55                  | 29.48                     |
| 33.0-34.0    | 2354.6                    | 142.5              | 2822.8                 | 1.57                  | 31.04                     |
| 34.0-35.0    | 2322.2                    | 144.2              | 2967.1                 | 1.59                  | 32.63                     |
| 35.0-36.0    | 2289.2                    | 145.8              | 3112.8                 | 1.60                  | 34.23                     |

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.200 m  
 Humidity:  
 Inspector:

## Zonal Lumen (Continue 1)

| Gamma<br>[°] | I <sub>mean</sub><br>[cd] | Zonal Flux<br>[lm] | Sum Zonal Flux<br>[lm] | Rel Zonal Flux<br>[%] | Sum Rel Zonal Flux<br>[%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 36.0-37.0    | 2256.1                    | 147.2              | 3260.0                 | 1.62                  | 35.85                     |
| 37.0-38.0    | 2221.6                    | 148.3              | 3408.3                 | 1.63                  | 37.48                     |
| 38.0-39.0    | 2187.5                    | 149.3              | 3557.6                 | 1.64                  | 39.13                     |
| 39.0-40.0    | 2151.9                    | 150.1              | 3707.7                 | 1.65                  | 40.78                     |
| 40.0-41.0    | 2115.6                    | 150.7              | 3858.4                 | 1.66                  | 42.43                     |
| 41.0-42.0    | 2080.3                    | 151.2              | 4009.6                 | 1.66                  | 44.10                     |
| 42.0-43.0    | 2043.0                    | 151.4              | 4160.9                 | 1.66                  | 45.76                     |
| 43.0-44.0    | 2005.3                    | 151.4              | 4312.3                 | 1.66                  | 47.43                     |
| 44.0-45.0    | 1967.7                    | 151.2              | 4463.5                 | 1.66                  | 49.09                     |
| 45.0-46.0    | 1929.0                    | 150.9              | 4614.4                 | 1.66                  | 50.75                     |
| 46.0-47.0    | 1890.5                    | 150.4              | 4764.8                 | 1.65                  | 52.40                     |
| 47.0-48.0    | 1850.7                    | 149.6              | 4914.4                 | 1.65                  | 54.05                     |
| 48.0-49.0    | 1810.5                    | 148.7              | 5063.1                 | 1.64                  | 55.68                     |
| 49.0-50.0    | 1771.6                    | 147.7              | 5210.9                 | 1.62                  | 57.31                     |
| 50.0-51.0    | 1730.5                    | 146.4              | 5357.3                 | 1.61                  | 58.92                     |
| 51.0-52.0    | 1689.1                    | 145.0              | 5502.3                 | 1.59                  | 60.51                     |
| 52.0-53.0    | 1648.1                    | 143.4              | 5645.6                 | 1.58                  | 62.09                     |
| 53.0-54.0    | 1605.9                    | 141.6              | 5787.2                 | 1.56                  | 63.65                     |
| 54.0-55.0    | 1564.4                    | 139.7              | 5926.9                 | 1.54                  | 65.18                     |
| 55.0-56.0    | 1521.6                    | 137.5              | 6064.4                 | 1.51                  | 66.69                     |
| 56.0-57.0    | 1478.3                    | 135.2              | 6199.6                 | 1.49                  | 68.18                     |
| 57.0-58.0    | 1436.6                    | 132.9              | 6332.4                 | 1.46                  | 69.64                     |
| 58.0-59.0    | 1392.9                    | 130.2              | 6462.7                 | 1.43                  | 71.08                     |
| 59.0-60.0    | 1349.3                    | 127.5              | 6590.2                 | 1.40                  | 72.48                     |
| 60.0-61.0    | 1305.9                    | 124.6              | 6714.8                 | 1.37                  | 73.85                     |
| 61.0-62.0    | 1261.3                    | 121.6              | 6836.3                 | 1.34                  | 75.18                     |
| 62.0-63.0    | 1218.2                    | 118.5              | 6954.8                 | 1.30                  | 76.49                     |
| 63.0-64.0    | 1174.1                    | 115.2              | 7070.1                 | 1.27                  | 77.76                     |
| 64.0-65.0    | 1129.5                    | 111.8              | 7181.9                 | 1.23                  | 78.98                     |
| 65.0-66.0    | 1087.0                    | 108.5              | 7290.3                 | 1.19                  | 80.18                     |
| 66.0-67.0    | 1042.5                    | 104.8              | 7395.2                 | 1.15                  | 81.33                     |
| 67.0-68.0    | 998.0                     | 101.1              | 7496.3                 | 1.11                  | 82.44                     |
| 68.0-69.0    | 953.8                     | 97.3               | 7593.6                 | 1.07                  | 83.51                     |
| 69.0-70.0    | 909.5                     | 93.4               | 7687.0                 | 1.03                  | 84.54                     |
| 70.0-71.0    | 867.3                     | 89.7               | 7776.7                 | 0.99                  | 85.53                     |
| 71.0-72.0    | 823.7                     | 85.7               | 7862.3                 | 0.94                  | 86.47                     |

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.200 m  
 Humidity:  
 Inspector:

## Zonal Lumen (Continue 2)

| Gamma<br>[°] | I <sub>mean</sub><br>[cd] | Zonal Flux<br>[lm] | Sum Zonal Flux<br>[lm] | Rel Zonal Flux<br>[%] | Sum Rel Zonal Flux<br>[%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 72.0-73.0    | 780.2                     | 81.6               | 7943.9                 | 0.90                  | 87.37                     |
| 73.0-74.0    | 738.0                     | 77.6               | 8021.5                 | 0.85                  | 88.22                     |
| 74.0-75.0    | 695.4                     | 73.5               | 8095.0                 | 0.81                  | 89.03                     |
| 75.0-76.0    | 654.1                     | 69.4               | 8164.4                 | 0.76                  | 89.79                     |
| 76.0-77.0    | 612.0                     | 65.3               | 8229.7                 | 0.72                  | 90.51                     |
| 77.0-78.0    | 570.4                     | 61.1               | 8290.8                 | 0.67                  | 91.18                     |
| 78.0-79.0    | 531.3                     | 57.1               | 8347.9                 | 0.63                  | 91.81                     |
| 79.0-80.0    | 491.2                     | 53.0               | 8400.8                 | 0.58                  | 92.39                     |
| 80.0-81.0    | 451.8                     | 48.9               | 8449.7                 | 0.54                  | 92.93                     |
| 81.0-82.0    | 414.1                     | 44.9               | 8494.6                 | 0.49                  | 93.42                     |
| 82.0-83.0    | 376.7                     | 41.0               | 8535.6                 | 0.45                  | 93.87                     |
| 83.0-84.0    | 341.1                     | 37.2               | 8572.7                 | 0.41                  | 94.28                     |
| 84.0-85.0    | 306.3                     | 33.4               | 8606.2                 | 0.37                  | 94.65                     |
| 85.0-86.0    | 273.0                     | 29.8               | 8636.0                 | 0.33                  | 94.98                     |
| 86.0-87.0    | 243.0                     | 26.6               | 8662.6                 | 0.29                  | 95.27                     |
| 87.0-88.0    | 213.9                     | 23.4               | 8686.0                 | 0.26                  | 95.53                     |
| 88.0-89.0    | 187.5                     | 20.6               | 8706.6                 | 0.23                  | 95.75                     |
| 89.0-90.0    | 165.7                     | 18.2               | 8724.8                 | 0.20                  | 95.95                     |
| 90.0-91.0    | 146.8                     | 16.1               | 8740.9                 | 0.18                  | 96.13                     |
| 91.0-92.0    | 131.4                     | 14.4               | 8755.3                 | 0.16                  | 96.29                     |
| 92.0-93.0    | 118.4                     | 13.0               | 8768.2                 | 0.14                  | 96.43                     |
| 93.0-94.0    | 107.8                     | 11.8               | 8780.1                 | 0.13                  | 96.56                     |
| 94.0-95.0    | 100.3                     | 11.0               | 8791.0                 | 0.12                  | 96.68                     |
| 95.0-96.0    | 94.2                      | 10.3               | 8801.3                 | 0.11                  | 96.80                     |
| 96.0-97.0    | 90.0                      | 9.8                | 8811.1                 | 0.11                  | 96.90                     |
| 97.0-98.0    | 87.4                      | 9.5                | 8820.6                 | 0.10                  | 97.01                     |
| 98.0-99.0    | 85.4                      | 9.3                | 8829.9                 | 0.10                  | 97.11                     |
| 99.0-100.0   | 83.9                      | 9.1                | 8838.9                 | 0.10                  | 97.21                     |
| 100.0-101.0  | 82.5                      | 8.9                | 8847.8                 | 0.10                  | 97.31                     |
| 101.0-102.0  | 81.0                      | 8.7                | 8856.5                 | 0.10                  | 97.40                     |
| 102.0-103.0  | 79.5                      | 8.5                | 8865.1                 | 0.09                  | 97.50                     |
| 103.0-104.0  | 78.0                      | 8.3                | 8873.4                 | 0.09                  | 97.59                     |
| 104.0-105.0  | 76.6                      | 8.1                | 8881.5                 | 0.09                  | 97.68                     |
| 105.0-106.0  | 75.2                      | 7.9                | 8889.5                 | 0.09                  | 97.76                     |
| 106.0-107.0  | 73.6                      | 7.7                | 8897.2                 | 0.09                  | 97.85                     |
| 107.0-108.0  | 71.9                      | 7.5                | 8904.7                 | 0.08                  | 97.93                     |

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.200 m  
 Humidity:  
 Inspector:

## Zonal Lumen (Continue 3)

| Gamma<br>[°] | I <sub>mean</sub><br>[cd] | Zonal Flux<br>[lm] | Sum Zonal Flux<br>[lm] | Rel Zonal Flux<br>[%] | Sum Rel Zonal Flux<br>[%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 108.0-109.0  | 70.1                      | 7.3                | 8912.0                 | 0.08                  | 98.01                     |
| 109.0-110.0  | 68.3                      | 7.1                | 8919.1                 | 0.08                  | 98.09                     |
| 110.0-111.0  | 66.7                      | 6.9                | 8925.9                 | 0.08                  | 98.17                     |
| 111.0-112.0  | 65.2                      | 6.7                | 8932.6                 | 0.07                  | 98.24                     |
| 112.0-113.0  | 63.8                      | 6.5                | 8939.0                 | 0.07                  | 98.31                     |
| 113.0-114.0  | 62.6                      | 6.3                | 8945.3                 | 0.07                  | 98.38                     |
| 114.0-115.0  | 61.4                      | 6.1                | 8951.5                 | 0.07                  | 98.45                     |
| 115.0-116.0  | 60.2                      | 6.0                | 8957.4                 | 0.07                  | 98.51                     |
| 116.0-117.0  | 58.8                      | 5.8                | 8963.2                 | 0.06                  | 98.58                     |
| 117.0-118.0  | 57.1                      | 5.6                | 8968.7                 | 0.06                  | 98.64                     |
| 118.0-119.0  | 55.3                      | 5.3                | 8974.1                 | 0.06                  | 98.70                     |
| 119.0-120.0  | 53.6                      | 5.1                | 8979.2                 | 0.06                  | 98.75                     |
| 120.0-121.0  | 51.7                      | 4.9                | 8984.1                 | 0.05                  | 98.81                     |
| 121.0-122.0  | 49.8                      | 4.7                | 8988.7                 | 0.05                  | 98.86                     |
| 122.0-123.0  | 48.2                      | 4.5                | 8993.2                 | 0.05                  | 98.91                     |
| 123.0-124.0  | 47.0                      | 4.3                | 8997.5                 | 0.05                  | 98.95                     |
| 124.0-125.0  | 46.1                      | 4.2                | 9001.7                 | 0.05                  | 99.00                     |
| 125.0-126.0  | 45.4                      | 4.1                | 9005.7                 | 0.04                  | 99.04                     |
| 126.0-127.0  | 44.7                      | 3.9                | 9009.7                 | 0.04                  | 99.09                     |
| 127.0-128.0  | 43.9                      | 3.8                | 9013.5                 | 0.04                  | 99.13                     |
| 128.0-129.0  | 43.1                      | 3.7                | 9017.2                 | 0.04                  | 99.17                     |
| 129.0-130.0  | 42.3                      | 3.6                | 9020.8                 | 0.04                  | 99.21                     |
| 130.0-131.0  | 41.3                      | 3.4                | 9024.2                 | 0.04                  | 99.25                     |
| 131.0-132.0  | 40.4                      | 3.3                | 9027.5                 | 0.04                  | 99.28                     |
| 132.0-133.0  | 39.5                      | 3.2                | 9030.7                 | 0.04                  | 99.32                     |
| 133.0-134.0  | 38.5                      | 3.1                | 9033.8                 | 0.03                  | 99.35                     |
| 134.0-135.0  | 37.6                      | 2.9                | 9036.7                 | 0.03                  | 99.38                     |
| 135.0-136.0  | 36.7                      | 2.8                | 9039.5                 | 0.03                  | 99.42                     |
| 136.0-137.0  | 35.9                      | 2.7                | 9042.2                 | 0.03                  | 99.45                     |
| 137.0-138.0  | 35.1                      | 2.6                | 9044.8                 | 0.03                  | 99.47                     |
| 138.0-139.0  | 34.3                      | 2.5                | 9047.3                 | 0.03                  | 99.50                     |
| 139.0-140.0  | 33.5                      | 2.4                | 9049.7                 | 0.03                  | 99.53                     |
| 140.0-141.0  | 32.8                      | 2.3                | 9052.0                 | 0.03                  | 99.55                     |
| 141.0-142.0  | 32.3                      | 2.2                | 9054.2                 | 0.02                  | 99.58                     |
| 142.0-143.0  | 31.8                      | 2.1                | 9056.3                 | 0.02                  | 99.60                     |
| 143.0-144.0  | 31.2                      | 2.0                | 9058.4                 | 0.02                  | 99.62                     |

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.200 m  
 Humidity:  
 Inspector:

## Zonal Lumen (Continue 4)

| Gamma<br>[°] | I <sub>mean</sub><br>[cd] | Zonal Flux<br>[lm] | Sum Zonal Flux<br>[lm] | Rel Zonal Flux<br>[%] | Sum Rel Zonal Flux<br>[%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 144.0-145.0  | 30.9                      | 2.0                | 9060.3                 | 0.02                  | 99.64                     |
| 145.0-146.0  | 30.5                      | 1.9                | 9062.2                 | 0.02                  | 99.66                     |
| 146.0-147.0  | 30.2                      | 1.8                | 9064.1                 | 0.02                  | 99.69                     |
| 147.0-148.0  | 29.9                      | 1.8                | 9065.8                 | 0.02                  | 99.70                     |
| 148.0-149.0  | 29.6                      | 1.7                | 9067.5                 | 0.02                  | 99.72                     |
| 149.0-150.0  | 29.3                      | 1.6                | 9069.1                 | 0.02                  | 99.74                     |
| 150.0-151.0  | 28.9                      | 1.6                | 9070.7                 | 0.02                  | 99.76                     |
| 151.0-152.0  | 28.6                      | 1.5                | 9072.2                 | 0.02                  | 99.77                     |
| 152.0-153.0  | 28.4                      | 1.4                | 9073.6                 | 0.02                  | 99.79                     |
| 153.0-154.0  | 28.2                      | 1.4                | 9075.0                 | 0.02                  | 99.81                     |
| 154.0-155.0  | 28.0                      | 1.3                | 9076.3                 | 0.01                  | 99.82                     |
| 155.0-156.0  | 27.8                      | 1.3                | 9077.6                 | 0.01                  | 99.83                     |
| 156.0-157.0  | 27.7                      | 1.2                | 9078.8                 | 0.01                  | 99.85                     |
| 157.0-158.0  | 27.6                      | 1.2                | 9080.0                 | 0.01                  | 99.86                     |
| 158.0-159.0  | 27.5                      | 1.1                | 9081.1                 | 0.01                  | 99.87                     |
| 159.0-160.0  | 27.5                      | 1.1                | 9082.1                 | 0.01                  | 99.88                     |
| 160.0-161.0  | 27.4                      | 1.0                | 9083.1                 | 0.01                  | 99.89                     |
| 161.0-162.0  | 27.4                      | 1.0                | 9084.1                 | 0.01                  | 99.91                     |
| 162.0-163.0  | 27.5                      | 0.9                | 9085.0                 | 0.01                  | 99.92                     |
| 163.0-164.0  | 27.5                      | 0.9                | 9085.9                 | 0.01                  | 99.92                     |
| 164.0-165.0  | 27.5                      | 0.8                | 9086.7                 | 0.01                  | 99.93                     |
| 165.0-166.0  | 27.6                      | 0.8                | 9087.4                 | 0.01                  | 99.94                     |
| 166.0-167.0  | 27.8                      | 0.7                | 9088.1                 | 0.01                  | 99.95                     |
| 167.0-168.0  | 28.0                      | 0.7                | 9088.8                 | 0.01                  | 99.96                     |
| 168.0-169.0  | 28.1                      | 0.6                | 9089.4                 | 0.01                  | 99.96                     |
| 169.0-170.0  | 28.3                      | 0.6                | 9090.0                 | 0.01                  | 99.97                     |
| 170.0-171.0  | 28.5                      | 0.5                | 9090.5                 | 0.01                  | 99.98                     |
| 171.0-172.0  | 28.6                      | 0.5                | 9091.0                 | 0.01                  | 99.98                     |
| 172.0-173.0  | 28.8                      | 0.4                | 9091.4                 | 0.00                  | 99.99                     |
| 173.0-174.0  | 28.9                      | 0.4                | 9091.7                 | 0.00                  | 99.99                     |
| 174.0-175.0  | 29.0                      | 0.3                | 9092.0                 | 0.00                  | 99.99                     |
| 175.0-176.0  | 29.1                      | 0.3                | 9092.3                 | 0.00                  | 100.00                    |
| 176.0-177.0  | 29.1                      | 0.2                | 9092.5                 | 0.00                  | 100.00                    |
| 177.0-178.0  | 29.2                      | 0.1                | 9092.6                 | 0.00                  | 100.00                    |
| 178.0-179.0  | 29.2                      | 0.1                | 9092.7                 | 0.00                  | 100.00                    |
| 179.0-180.0  | 29.2                      | 0.0                | 9092.7                 | 0.00                  | 100.00                    |

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.200 m  
 Humidity:  
 Inspector:

## Zonal Lumen (Continue 5)

cone flux(90°): 4463.55 lm

%lum = 49.1%

%lamp = 49.1%

cone flux(120°): 6590.15 lm

%lum = 72.5%

%lamp = 72.5%

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C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.200 m

Humidity:

Inspector:

## Candlepower Table

Unit: cd

| G\C   | C0.0   | C30.0  | C60.0  | C90.0  | C120.0 | C150.0 | C180.0 | C210.0 | C240.0 | C270.0 |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| G0.0  | 3050.1 | 2969.7 | 2923.0 | 2886.3 | 2869.6 | 2867.0 | 3050.1 | 2969.7 | 2923.0 | 2886.3 |
| G1.0  | 3053.6 | 2973.0 | 2925.6 | 2887.1 | 2868.2 | 2863.9 | 3046.4 | 2964.5 | 2919.3 | 2884.6 |
| G2.0  | 3055.4 | 2975.3 | 2926.8 | 2887.1 | 2866.2 | 2859.4 | 3040.3 | 2959.4 | 2914.7 | 2881.5 |
| G3.0  | 3057.3 | 2976.9 | 2927.3 | 2885.2 | 2862.4 | 2853.8 | 3033.1 | 2951.9 | 2908.6 | 2877.3 |
| G4.0  | 3057.4 | 2976.4 | 2926.4 | 2882.7 | 2858.1 | 2847.0 | 3025.1 | 2944.1 | 2902.1 | 2872.1 |
| G5.0  | 3057.1 | 2975.2 | 2924.2 | 2879.0 | 2851.9 | 2839.7 | 3016.0 | 2935.1 | 2894.6 | 2866.1 |
| G6.0  | 3054.3 | 2973.1 | 2920.8 | 2873.8 | 2844.6 | 2829.9 | 3005.7 | 2925.0 | 2884.7 | 2858.9 |
| G7.0  | 3050.6 | 2969.5 | 2916.6 | 2868.1 | 2837.1 | 2820.0 | 2995.1 | 2913.3 | 2875.2 | 2851.4 |
| G8.0  | 3046.2 | 2965.1 | 2911.4 | 2861.1 | 2826.8 | 2809.9 | 2980.9 | 2900.4 | 2863.2 | 2841.8 |
| G9.0  | 3039.9 | 2959.7 | 2904.3 | 2852.4 | 2815.6 | 2797.2 | 2967.7 | 2887.2 | 2851.5 | 2832.4 |
| G10.0 | 3032.5 | 2952.6 | 2896.9 | 2843.4 | 2804.1 | 2784.6 | 2952.7 | 2873.6 | 2838.5 | 2821.1 |
| G11.0 | 3024.2 | 2944.4 | 2887.2 | 2832.5 | 2790.8 | 2769.7 | 2935.5 | 2857.3 | 2823.6 | 2808.7 |
| G12.0 | 3014.8 | 2935.6 | 2877.9 | 2821.6 | 2777.3 | 2754.9 | 2918.4 | 2840.7 | 2808.6 | 2796.8 |
| G13.0 | 3004.6 | 2925.0 | 2866.6 | 2809.2 | 2762.9 | 2739.1 | 2901.6 | 2824.4 | 2793.2 | 2783.9 |
| G14.0 | 2992.9 | 2913.0 | 2853.8 | 2795.1 | 2746.9 | 2721.5 | 2881.7 | 2804.3 | 2776.0 | 2769.1 |
| G15.0 | 2980.1 | 2901.1 | 2841.7 | 2781.3 | 2730.9 | 2703.6 | 2861.9 | 2785.8 | 2758.7 | 2754.0 |
| G16.0 | 2965.9 | 2888.1 | 2827.3 | 2766.9 | 2713.2 | 2685.7 | 2839.8 | 2763.8 | 2739.5 | 2737.2 |
| G17.0 | 2950.4 | 2872.9 | 2811.6 | 2751.2 | 2694.9 | 2665.2 | 2816.7 | 2743.3 | 2720.4 | 2719.8 |
| G18.0 | 2935.5 | 2857.6 | 2796.9 | 2735.9 | 2677.2 | 2644.5 | 2795.7 | 2722.4 | 2700.9 | 2702.1 |
| G19.0 | 2917.4 | 2840.4 | 2779.4 | 2716.7 | 2657.0 | 2621.7 | 2770.9 | 2697.0 | 2678.9 | 2680.2 |
| G20.0 | 2900.3 | 2823.2 | 2763.4 | 2699.0 | 2637.0 | 2599.2 | 2745.7 | 2674.0 | 2656.7 | 2661.2 |
| G21.0 | 2881.8 | 2805.9 | 2744.9 | 2680.0 | 2616.6 | 2576.9 | 2721.2 | 2649.4 | 2635.4 | 2640.4 |
| G22.0 | 2860.8 | 2784.5 | 2724.5 | 2658.9 | 2593.7 | 2550.8 | 2692.1 | 2622.4 | 2609.1 | 2616.3 |
| G23.0 | 2839.6 | 2765.3 | 2705.0 | 2637.4 | 2572.4 | 2527.2 | 2665.5 | 2596.2 | 2585.7 | 2594.8 |
| G24.0 | 2815.5 | 2742.2 | 2682.2 | 2612.9 | 2546.3 | 2498.9 | 2635.6 | 2568.3 | 2557.9 | 2568.6 |
| G25.0 | 2793.1 | 2720.1 | 2660.9 | 2590.9 | 2522.8 | 2473.4 | 2606.1 | 2541.3 | 2532.9 | 2544.9 |
| G26.0 | 2769.0 | 2698.5 | 2638.2 | 2566.7 | 2497.4 | 2446.1 | 2575.7 | 2512.7 | 2506.1 | 2519.5 |
| G27.0 | 2742.6 | 2672.9 | 2613.5 | 2540.9 | 2468.9 | 2417.0 | 2542.8 | 2481.7 | 2477.0 | 2491.9 |
| G28.0 | 2717.6 | 2647.6 | 2588.9 | 2516.2 | 2443.3 | 2388.4 | 2512.4 | 2451.3 | 2449.5 | 2466.2 |
| G29.0 | 2691.0 | 2622.5 | 2564.5 | 2489.7 | 2416.1 | 2359.5 | 2478.3 | 2418.3 | 2418.5 | 2435.6 |
| G30.0 | 2659.4 | 2594.0 | 2535.0 | 2460.1 | 2384.8 | 2327.3 | 2445.0 | 2388.8 | 2388.7 | 2408.6 |
| G31.0 | 2632.3 | 2568.0 | 2508.7 | 2431.9 | 2357.2 | 2298.0 | 2412.6 | 2356.4 | 2357.5 | 2379.3 |
| G32.0 | 2601.7 | 2537.7 | 2478.9 | 2401.9 | 2325.0 | 2264.1 | 2375.3 | 2321.6 | 2324.6 | 2348.1 |
| G33.0 | 2572.0 | 2509.5 | 2451.6 | 2372.2 | 2294.8 | 2232.1 | 2341.5 | 2287.8 | 2292.4 | 2317.2 |
| G34.0 | 2541.4 | 2481.1 | 2422.1 | 2343.8 | 2265.0 | 2201.1 | 2305.3 | 2253.5 | 2260.9 | 2287.8 |
| G35.0 | 2508.3 | 2448.6 | 2390.6 | 2310.0 | 2230.4 | 2166.5 | 2265.3 | 2216.8 | 2226.0 | 2252.9 |
| G36.0 | 2476.1 | 2418.8 | 2359.8 | 2279.8 | 2199.7 | 2132.6 | 2230.3 | 2181.2 | 2191.6 | 2221.5 |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.200 m

Humidity:

Inspector:

## Candlepower Table (Continue 1)

Unit: cd

| G\C   | C0.0   | C30.0  | C60.0  | C90.0  | C120.0 | C150.0 | C180.0 | C210.0 | C240.0 | C270.0 |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| G37.0 | 2444.2 | 2387.0 | 2329.6 | 2247.7 | 2166.7 | 2099.8 | 2189.4 | 2143.1 | 2154.7 | 2185.1 |
| G38.0 | 2409.1 | 2353.8 | 2294.8 | 2213.4 | 2131.5 | 2061.9 | 2150.6 | 2107.9 | 2119.6 | 2152.3 |
| G39.0 | 2375.1 | 2321.0 | 2263.6 | 2181.0 | 2097.4 | 2028.2 | 2112.8 | 2070.5 | 2085.3 | 2119.9 |
| G40.0 | 2336.3 | 2285.9 | 2227.6 | 2145.9 | 2061.0 | 1988.9 | 2068.9 | 2030.7 | 2045.7 | 2081.9 |
| G41.0 | 2302.1 | 2253.5 | 2195.3 | 2111.3 | 2025.5 | 1952.6 | 2030.2 | 1992.2 | 2010.4 | 2048.0 |
| G42.0 | 2265.7 | 2218.4 | 2161.0 | 2076.9 | 1990.9 | 1917.1 | 1989.0 | 1953.3 | 1972.8 | 2012.5 |
| G43.0 | 2227.0 | 2181.6 | 2124.1 | 2039.7 | 1951.0 | 1878.2 | 1946.1 | 1912.1 | 1933.4 | 1973.0 |
| G44.0 | 2189.1 | 2145.6 | 2090.6 | 2005.4 | 1915.6 | 1839.9 | 1904.2 | 1873.8 | 1895.0 | 1937.7 |
| G45.0 | 2152.6 | 2110.8 | 2054.5 | 1968.8 | 1879.5 | 1803.2 | 1859.8 | 1829.9 | 1854.8 | 1897.4 |
| G46.0 | 2112.1 | 2070.3 | 2016.2 | 1930.2 | 1837.9 | 1762.4 | 1816.7 | 1790.6 | 1815.4 | 1861.5 |
| G47.0 | 2072.9 | 2034.7 | 1979.2 | 1894.5 | 1801.6 | 1723.0 | 1775.1 | 1749.0 | 1777.0 | 1824.8 |
| G48.0 | 2031.9 | 1994.8 | 1940.1 | 1853.6 | 1760.7 | 1680.0 | 1727.1 | 1705.4 | 1733.5 | 1782.7 |
| G49.0 | 1994.1 | 1956.3 | 1902.4 | 1817.0 | 1722.1 | 1641.7 | 1685.2 | 1663.6 | 1694.9 | 1743.8 |
| G50.0 | 1953.2 | 1918.9 | 1865.8 | 1780.3 | 1683.1 | 1603.1 | 1640.6 | 1621.0 | 1653.9 | 1706.1 |
| G51.0 | 1909.9 | 1876.1 | 1825.1 | 1737.4 | 1641.4 | 1558.6 | 1594.0 | 1576.3 | 1610.8 | 1662.9 |
| G52.0 | 1868.4 | 1838.0 | 1785.5 | 1699.8 | 1603.1 | 1519.2 | 1549.3 | 1533.3 | 1569.4 | 1624.6 |
| G53.0 | 1827.7 | 1797.4 | 1747.4 | 1659.7 | 1562.6 | 1479.4 | 1501.7 | 1488.2 | 1525.9 | 1580.1 |
| G54.0 | 1781.1 | 1754.8 | 1705.2 | 1617.4 | 1520.0 | 1434.1 | 1455.7 | 1444.4 | 1483.9 | 1541.0 |
| G55.0 | 1739.9 | 1715.5 | 1664.7 | 1578.7 | 1480.7 | 1394.0 | 1411.7 | 1402.6 | 1443.1 | 1499.5 |
| G56.0 | 1694.7 | 1670.4 | 1622.0 | 1534.1 | 1435.6 | 1348.0 | 1361.3 | 1356.4 | 1396.4 | 1455.6 |
| G57.0 | 1651.1 | 1630.7 | 1581.2 | 1494.9 | 1395.9 | 1307.6 | 1317.2 | 1311.9 | 1355.5 | 1413.8 |
| G58.0 | 1609.5 | 1588.3 | 1539.9 | 1453.5 | 1354.3 | 1265.5 | 1270.8 | 1267.7 | 1312.4 | 1373.6 |
| G59.0 | 1561.2 | 1544.2 | 1496.1 | 1410.2 | 1310.0 | 1221.0 | 1222.3 | 1221.0 | 1267.1 | 1327.5 |
| G60.0 | 1518.4 | 1503.4 | 1455.8 | 1367.8 | 1270.0 | 1180.2 | 1175.9 | 1176.7 | 1223.6 | 1287.0 |
| G61.0 | 1476.0 | 1460.5 | 1415.4 | 1327.7 | 1227.3 | 1137.3 | 1125.2 | 1128.0 | 1176.1 | 1238.8 |
| G62.0 | 1427.0 | 1415.2 | 1368.8 | 1282.9 | 1182.6 | 1092.1 | 1079.1 | 1083.4 | 1132.6 | 1198.0 |
| G63.0 | 1384.1 | 1373.5 | 1327.9 | 1242.2 | 1141.7 | 1050.8 | 1034.5 | 1040.6 | 1090.9 | 1156.9 |
| G64.0 | 1337.1 | 1327.9 | 1283.1 | 1195.4 | 1096.8 | 1005.4 | 983.8  | 993.9  | 1043.2 | 1109.7 |
| G65.0 | 1293.8 | 1284.2 | 1242.2 | 1154.6 | 1054.3 | 962.4  | 939.1  | 949.2  | 1001.3 | 1066.6 |
| G66.0 | 1248.2 | 1242.3 | 1199.1 | 1113.8 | 1013.4 | 921.5  | 892.9  | 906.7  | 957.9  | 1025.5 |
| G67.0 | 1200.6 | 1194.4 | 1154.1 | 1066.9 | 967.0  | 874.9  | 844.5  | 858.6  | 912.7  | 980.5  |
| G68.0 | 1154.9 | 1152.6 | 1111.0 | 1025.8 | 926.3  | 834.3  | 798.8  | 816.4  | 869.5  | 937.5  |
| G69.0 | 1107.1 | 1104.4 | 1065.8 | 980.9  | 882.0  | 789.9  | 751.3  | 768.9  | 824.7  | 892.8  |
| G70.0 | 1061.4 | 1062.3 | 1022.3 | 937.8  | 839.6  | 747.7  | 706.0  | 727.5  | 781.9  | 850.3  |
| G71.0 | 1017.8 | 1020.0 | 981.0  | 896.9  | 799.2  | 707.6  | 663.7  | 684.4  | 741.4  | 809.7  |
| G72.0 | 970.1  | 973.7  | 935.4  | 850.2  | 755.4  | 664.1  | 615.3  | 639.8  | 695.5  | 763.6  |
| G73.0 | 926.9  | 931.6  | 894.5  | 809.5  | 713.8  | 624.9  | 573.6  | 597.6  | 655.5  | 723.4  |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.200 m

Humidity:

Inspector:

## Candlepower Table (Continue 2)

Unit: cd

| G\C    | C0.0  | C30.0 | C60.0 | C90.0 | C120.0 | C150.0 | C180.0 | C210.0 | C240.0 | C270.0 |
|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| G74.0  | 881.8 | 888.1 | 851.8 | 769.3 | 674.5  | 584.4  | 528.3  | 553.9  | 612.2  | 679.5  |
| G75.0  | 834.8 | 842.7 | 807.3 | 725.7 | 631.8  | 542.7  | 485.5  | 514.8  | 571.3  | 638.5  |
| G76.0  | 792.1 | 801.5 | 766.9 | 684.2 | 593.4  | 505.2  | 445.5  | 474.2  | 533.0  | 599.7  |
| G77.0  | 746.0 | 754.5 | 720.8 | 641.1 | 549.8  | 462.6  | 400.5  | 432.6  | 489.8  | 556.1  |
| G78.0  | 701.6 | 713.6 | 680.9 | 602.3 | 512.0  | 425.9  | 362.0  | 393.7  | 452.6  | 518.3  |
| G79.0  | 659.9 | 673.1 | 641.4 | 561.8 | 475.0  | 390.0  | 322.8  | 356.9  | 414.2  | 479.5  |
| G80.0  | 614.7 | 629.0 | 598.5 | 520.3 | 435.0  | 351.2  | 283.7  | 316.4  | 374.6  | 439.5  |
| G81.0  | 573.8 | 587.5 | 559.8 | 482.9 | 399.0  | 315.0  | 249.4  | 282.3  | 337.8  | 401.9  |
| G82.0  | 533.3 | 550.0 | 519.9 | 446.1 | 362.3  | 281.9  | 212.6  | 245.4  | 300.1  | 363.2  |
| G83.0  | 487.7 | 506.1 | 479.1 | 406.7 | 324.8  | 248.0  | 182.9  | 215.5  | 266.3  | 328.7  |
| G84.0  | 448.7 | 468.0 | 442.2 | 369.9 | 289.6  | 218.7  | 156.1  | 188.1  | 233.0  | 294.7  |
| G85.0  | 406.4 | 425.5 | 402.7 | 332.3 | 255.6  | 188.9  | 128.8  | 161.6  | 201.0  | 257.0  |
| G86.0  | 366.7 | 388.8 | 365.6 | 298.3 | 223.6  | 165.7  | 108.6  | 139.5  | 175.4  | 225.0  |
| G87.0  | 329.6 | 352.7 | 330.7 | 263.9 | 196.1  | 145.9  | 91.1   | 122.4  | 153.0  | 192.2  |
| G88.0  | 289.4 | 311.9 | 292.0 | 228.6 | 169.8  | 127.4  | 76.6   | 107.2  | 135.9  | 159.1  |
| G89.0  | 251.9 | 277.2 | 259.0 | 197.4 | 152.5  | 114.7  | 66.0   | 97.3   | 125.4  | 137.0  |
| G90.0  | 217.4 | 244.1 | 228.1 | 166.3 | 140.4  | 104.7  | 57.8   | 89.1   | 119.4  | 127.6  |
| G91.0  | 181.7 | 208.7 | 197.3 | 144.4 | 131.7  | 96.4   | 50.8   | 83.6   | 116.6  | 126.2  |
| G92.0  | 148.8 | 180.2 | 172.7 | 138.0 | 127.6  | 91.2   | 41.0   | 79.4   | 114.8  | 124.7  |
| G93.0  | 114.7 | 151.2 | 152.2 | 136.7 | 125.1  | 86.1   | 24.9   | 76.3   | 113.0  | 122.9  |
| G94.0  | 85.8  | 126.5 | 139.7 | 135.6 | 123.9  | 82.7   | 22.5   | 74.2   | 111.3  | 121.3  |
| G95.0  | 60.7  | 106.9 | 131.8 | 134.3 | 122.4  | 81.1   | 22.2   | 72.4   | 109.7  | 119.7  |
| G96.0  | 36.5  | 89.9  | 127.1 | 132.9 | 120.8  | 79.6   | 22.2   | 70.8   | 107.6  | 117.9  |
| G97.0  | 27.8  | 80.7  | 125.2 | 131.8 | 119.4  | 78.2   | 21.7   | 69.2   | 105.8  | 116.3  |
| G98.0  | 25.0  | 74.7  | 123.8 | 130.2 | 117.8  | 76.9   | 20.9   | 67.7   | 103.7  | 114.3  |
| G99.0  | 23.6  | 71.6  | 122.2 | 128.7 | 116.1  | 75.5   | 21.6   | 66.1   | 102.0  | 112.4  |
| G100.0 | 22.9  | 69.7  | 120.4 | 127.1 | 114.3  | 74.1   | 22.6   | 64.5   | 100.1  | 110.8  |
| G101.0 | 22.7  | 68.2  | 118.8 | 125.4 | 112.5  | 72.6   | 22.2   | 62.8   | 98.1   | 108.8  |
| G102.0 | 23.0  | 65.6  | 117.1 | 123.8 | 110.9  | 71.1   | 21.8   | 61.2   | 96.4   | 107.1  |
| G103.0 | 23.0  | 63.0  | 115.5 | 122.1 | 109.2  | 69.6   | 21.8   | 59.7   | 94.4   | 105.3  |
| G104.0 | 23.3  | 61.0  | 113.4 | 120.0 | 107.2  | 68.0   | 22.2   | 57.9   | 92.3   | 103.3  |
| G105.0 | 23.5  | 59.6  | 111.7 | 118.3 | 105.6  | 66.6   | 22.8   | 56.7   | 90.6   | 101.4  |
| G106.0 | 23.6  | 58.1  | 109.7 | 116.6 | 103.5  | 65.0   | 22.8   | 55.5   | 88.5   | 99.2   |
| G107.0 | 23.6  | 56.7  | 104.2 | 114.7 | 101.5  | 63.2   | 22.7   | 54.3   | 86.5   | 97.6   |
| G108.0 | 23.8  | 55.4  | 98.2  | 112.6 | 99.8   | 61.7   | 22.5   | 53.2   | 84.5   | 95.6   |
| G109.0 | 24.0  | 54.5  | 90.4  | 110.6 | 97.6   | 60.6   | 22.8   | 51.9   | 82.7   | 93.4   |
| G110.0 | 24.1  | 53.7  | 84.6  | 108.7 | 95.6   | 58.8   | 23.0   | 50.9   | 80.6   | 91.6   |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.200 m

Humidity:

Inspector:

## Candlepower Table (Continue 3)

Unit: cd

| G\C    | C0.0 | C30.0 | C60.0 | C90.0 | C120.0 | C150.0 | C180.0 | C210.0 | C240.0 | C270.0 |
|--------|------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| G111.0 | 24.2 | 52.7  | 81.2  | 106.9 | 93.7   | 57.4   | 23.3   | 50.1   | 78.4   | 89.6   |
| G112.0 | 24.5 | 51.5  | 78.7  | 104.7 | 91.4   | 55.9   | 23.6   | 49.0   | 76.1   | 87.6   |
| G113.0 | 24.7 | 50.2  | 77.7  | 102.7 | 89.4   | 54.5   | 24.1   | 48.0   | 74.0   | 85.7   |
| G114.0 | 24.9 | 48.6  | 78.1  | 100.6 | 87.1   | 53.3   | 24.7   | 47.0   | 71.8   | 83.5   |
| G115.0 | 24.9 | 47.0  | 78.5  | 98.3  | 85.0   | 52.0   | 25.2   | 46.3   | 69.8   | 81.6   |
| G116.0 | 25.0 | 45.7  | 78.9  | 95.1  | 82.3   | 51.6   | 25.4   | 46.2   | 68.1   | 79.7   |
| G117.0 | 25.0 | 44.3  | 77.9  | 88.7  | 79.1   | 51.2   | 25.5   | 45.9   | 65.8   | 77.7   |
| G118.0 | 25.0 | 43.3  | 76.4  | 81.3  | 76.5   | 50.0   | 25.9   | 45.1   | 64.0   | 75.6   |
| G119.0 | 25.0 | 42.0  | 74.9  | 72.2  | 73.6   | 48.7   | 28.3   | 44.3   | 62.2   | 73.7   |
| G120.0 | 25.1 | 40.7  | 73.1  | 61.1  | 70.5   | 47.3   | 33.3   | 43.4   | 60.3   | 71.6   |
| G121.0 | 25.0 | 39.5  | 71.3  | 51.3  | 67.4   | 46.1   | 34.7   | 42.7   | 58.7   | 69.7   |
| G122.0 | 25.0 | 38.2  | 69.5  | 43.5  | 64.2   | 44.8   | 34.6   | 42.0   | 56.9   | 67.8   |
| G123.0 | 24.9 | 37.0  | 67.5  | 41.0  | 61.8   | 43.8   | 34.3   | 41.3   | 55.3   | 65.7   |
| G124.0 | 24.8 | 35.9  | 65.5  | 43.1  | 59.5   | 42.7   | 34.0   | 40.5   | 53.8   | 63.4   |
| G125.0 | 24.5 | 35.2  | 63.7  | 49.6  | 57.0   | 41.6   | 33.7   | 39.8   | 52.0   | 58.4   |
| G126.0 | 24.4 | 34.9  | 62.0  | 53.8  | 55.3   | 40.7   | 33.5   | 39.0   | 50.5   | 56.8   |
| G127.0 | 24.3 | 34.9  | 60.3  | 54.5  | 54.1   | 39.8   | 33.3   | 38.3   | 48.7   | 54.5   |
| G128.0 | 24.2 | 35.0  | 58.7  | 56.2  | 52.8   | 39.0   | 33.2   | 37.5   | 47.0   | 53.2   |
| G129.0 | 24.4 | 35.0  | 57.5  | 54.8  | 51.7   | 38.4   | 32.9   | 37.0   | 45.4   | 51.9   |
| G130.0 | 24.7 | 34.7  | 55.7  | 54.0  | 50.5   | 37.6   | 32.6   | 36.3   | 43.8   | 50.6   |
| G131.0 | 25.0 | 34.2  | 54.2  | 53.0  | 49.1   | 36.8   | 32.4   | 35.8   | 42.2   | 49.3   |
| G132.0 | 25.3 | 33.7  | 52.3  | 52.3  | 47.4   | 36.2   | 32.2   | 35.2   | 41.0   | 48.1   |
| G133.0 | 24.9 | 33.3  | 50.1  | 51.3  | 45.2   | 35.4   | 32.0   | 34.5   | 39.7   | 46.6   |
| G134.0 | 24.3 | 33.3  | 48.4  | 50.3  | 43.5   | 34.8   | 31.7   | 34.0   | 38.3   | 45.4   |
| G135.0 | 24.5 | 32.7  | 46.4  | 49.3  | 42.1   | 34.4   | 31.5   | 33.4   | 36.9   | 43.9   |
| G136.0 | 24.9 | 32.4  | 44.5  | 48.1  | 40.7   | 33.8   | 31.2   | 32.9   | 35.8   | 42.9   |
| G137.0 | 25.7 | 32.0  | 42.7  | 47.0  | 38.8   | 33.4   | 30.7   | 32.2   | 34.6   | 41.8   |
| G138.0 | 25.8 | 31.7  | 40.7  | 45.7  | 37.1   | 32.7   | 30.6   | 31.6   | 33.8   | 40.8   |
| G139.0 | 25.8 | 31.3  | 39.1  | 44.4  | 35.8   | 32.4   | 30.5   | 31.0   | 33.0   | 39.6   |
| G140.0 | 25.7 | 31.2  | 37.6  | 43.4  | 34.3   | 31.8   | 30.0   | 30.8   | 32.2   | 38.8   |
| G141.0 | 25.7 | 30.8  | 36.3  | 42.1  | 33.2   | 31.0   | 29.7   | 30.1   | 31.0   | 37.7   |
| G142.0 | 25.8 | 30.8  | 35.1  | 41.0  | 31.8   | 30.8   | 29.4   | 29.6   | 30.7   | 36.9   |
| G143.0 | 25.8 | 30.8  | 33.8  | 39.9  | 30.6   | 30.2   | 29.1   | 29.1   | 30.1   | 36.0   |
| G144.0 | 26.0 | 31.9  | 32.9  | 38.8  | 29.5   | 29.6   | 28.9   | 28.7   | 29.6   | 35.5   |
| G145.0 | 26.9 | 31.5  | 32.0  | 37.9  | 29.1   | 29.1   | 28.7   | 28.5   | 29.6   | 34.8   |
| G146.0 | 28.5 | 30.8  | 31.1  | 36.9  | 28.5   | 28.5   | 28.3   | 28.0   | 29.4   | 34.0   |
| G147.0 | 30.2 | 30.7  | 30.7  | 36.0  | 28.4   | 28.1   | 28.0   | 28.1   | 29.3   | 33.5   |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.200 m

Humidity:

Inspector:

## Candlepower Table (Continue 4)

Unit: cd

| G\C    | C0.0 | C30.0 | C60.0 | C90.0 | C120.0 | C150.0 | C180.0 | C210.0 | C240.0 | C270.0 |
|--------|------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| G148.0 | 30.6 | 30.2  | 29.9  | 35.2  | 28.4   | 27.8   | 27.9   | 27.8   | 29.1   | 32.7   |
| G149.0 | 30.0 | 29.9  | 29.5  | 34.3  | 28.6   | 27.4   | 27.6   | 27.7   | 28.9   | 32.2   |
| G150.0 | 29.7 | 29.6  | 29.3  | 33.3  | 28.5   | 27.2   | 27.3   | 27.6   | 28.8   | 31.6   |
| G151.0 | 29.4 | 29.2  | 29.1  | 32.7  | 28.5   | 26.8   | 27.1   | 27.5   | 28.3   | 30.7   |
| G152.0 | 29.0 | 28.9  | 29.0  | 31.7  | 28.5   | 26.6   | 26.9   | 27.5   | 28.2   | 30.7   |
| G153.0 | 28.7 | 28.6  | 28.7  | 31.3  | 28.3   | 26.5   | 26.6   | 27.4   | 28.1   | 30.2   |
| G154.0 | 28.3 | 28.4  | 28.5  | 30.7  | 28.3   | 26.6   | 26.5   | 27.4   | 27.9   | 29.3   |
| G155.0 | 28.2 | 28.2  | 28.5  | 30.8  | 28.4   | 26.5   | 26.4   | 27.5   | 27.8   | 28.4   |
| G156.0 | 27.8 | 28.0  | 28.3  | 30.2  | 28.4   | 26.6   | 26.2   | 27.6   | 27.7   | 27.9   |
| G157.0 | 27.6 | 28.0  | 28.3  | 29.9  | 28.3   | 26.8   | 26.1   | 27.8   | 27.7   | 27.5   |
| G158.0 | 27.2 | 28.0  | 28.3  | 29.3  | 28.3   | 27.0   | 25.8   | 28.0   | 27.7   | 27.2   |
| G159.0 | 27.0 | 27.9  | 28.1  | 28.9  | 28.5   | 27.2   | 26.0   | 28.3   | 27.6   | 27.0   |
| G160.0 | 26.7 | 28.1  | 28.1  | 28.4  | 28.1   | 27.4   | 26.2   | 28.4   | 27.9   | 26.6   |
| G161.0 | 26.6 | 28.0  | 28.0  | 28.1  | 28.1   | 27.6   | 26.3   | 28.5   | 28.0   | 26.5   |
| G162.0 | 26.4 | 27.9  | 28.0  | 27.9  | 28.0   | 27.9   | 26.4   | 28.9   | 28.3   | 26.3   |
| G163.0 | 26.1 | 27.8  | 28.0  | 27.5  | 28.0   | 28.0   | 26.5   | 29.0   | 28.5   | 26.4   |
| G164.0 | 25.9 | 27.8  | 27.8  | 27.1  | 28.0   | 28.1   | 26.8   | 29.2   | 28.6   | 26.5   |
| G165.0 | 25.8 | 27.9  | 28.0  | 26.8  | 28.0   | 28.1   | 26.9   | 29.3   | 28.8   | 26.6   |
| G166.0 | 25.8 | 28.1  | 28.0  | 26.7  | 28.2   | 28.3   | 26.9   | 29.4   | 28.9   | 26.8   |
| G167.0 | 25.8 | 28.5  | 28.3  | 26.7  | 28.3   | 28.5   | 27.2   | 29.8   | 29.1   | 26.9   |
| G168.0 | 26.0 | 28.6  | 28.5  | 26.9  | 28.5   | 28.5   | 27.2   | 29.9   | 29.3   | 27.0   |
| G169.0 | 26.2 | 28.9  | 28.8  | 27.0  | 28.5   | 28.8   | 27.5   | 30.0   | 29.5   | 27.2   |
| G170.0 | 26.4 | 29.1  | 28.9  | 27.1  | 28.8   | 28.9   | 27.6   | 30.2   | 29.6   | 27.3   |
| G171.0 | 26.5 | 29.2  | 29.1  | 27.3  | 28.9   | 29.1   | 27.8   | 30.2   | 29.8   | 27.4   |
| G172.0 | 26.6 | 29.4  | 29.2  | 27.5  | 29.0   | 29.1   | 27.8   | 30.6   | 30.0   | 27.7   |
| G173.0 | 26.9 | 29.6  | 29.4  | 27.5  | 29.2   | 29.3   | 28.0   | 30.8   | 30.2   | 27.8   |
| G174.0 | 27.0 | 29.8  | 29.6  | 27.6  | 29.2   | 29.4   | 28.0   | 30.8   | 30.2   | 27.8   |
| G175.0 | 27.1 | 29.8  | 29.6  | 27.8  | 29.3   | 29.4   | 28.0   | 30.8   | 30.3   | 28.0   |
| G176.0 | 27.2 | 30.0  | 29.9  | 27.8  | 29.4   | 29.4   | 27.9   | 30.7   | 30.5   | 28.0   |
| G177.0 | 27.4 | 30.2  | 29.8  | 27.9  | 29.4   | 29.4   | 28.0   | 30.6   | 30.5   | 28.1   |
| G178.0 | 27.4 | 30.0  | 30.0  | 27.8  | 29.5   | 29.5   | 28.0   | 30.8   | 30.6   | 28.1   |
| G179.0 | 27.5 | 30.2  | 30.1  | 27.8  | 29.5   | 29.5   | 28.0   | 30.7   | 30.5   | 28.1   |
| G180.0 | 27.5 | 30.2  | 30.1  | 27.9  | 29.5   | 29.4   | 28.0   | 30.6   | 30.6   | 28.1   |
|        |      |       |       |       |        |        |        |        |        |        |
|        |      |       |       |       |        |        |        |        |        |        |
|        |      |       |       |       |        |        |        |        |        |        |
|        |      |       |       |       |        |        |        |        |        |        |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.200 m

Humidity:

Inspector:

## Candlepower Table (Continue 5)

Unit: cd

| G\C   | C300.0 | C330.0 | C360.0 |  |  |  |  |  |  |  |
|-------|--------|--------|--------|--|--|--|--|--|--|--|
| G0.0  | 2869.6 | 2867.0 | 3050.1 |  |  |  |  |  |  |  |
| G1.0  | 2869.9 | 2869.3 | 3053.6 |  |  |  |  |  |  |  |
| G2.0  | 2869.6 | 2870.7 | 3055.4 |  |  |  |  |  |  |  |
| G3.0  | 2868.2 | 2870.5 | 3057.3 |  |  |  |  |  |  |  |
| G4.0  | 2864.5 | 2869.6 | 3057.4 |  |  |  |  |  |  |  |
| G5.0  | 2861.4 | 2867.9 | 3057.1 |  |  |  |  |  |  |  |
| G6.0  | 2856.1 | 2864.0 | 3054.3 |  |  |  |  |  |  |  |
| G7.0  | 2850.7 | 2860.6 | 3050.6 |  |  |  |  |  |  |  |
| G8.0  | 2843.4 | 2855.3 | 3046.2 |  |  |  |  |  |  |  |
| G9.0  | 2835.4 | 2848.7 | 3039.9 |  |  |  |  |  |  |  |
| G10.0 | 2826.3 | 2841.6 | 3032.5 |  |  |  |  |  |  |  |
| G11.0 | 2815.0 | 2832.1 | 3024.2 |  |  |  |  |  |  |  |
| G12.0 | 2804.3 | 2822.9 | 3014.8 |  |  |  |  |  |  |  |
| G13.0 | 2792.2 | 2813.0 | 3004.6 |  |  |  |  |  |  |  |
| G14.0 | 2778.5 | 2800.6 | 2992.9 |  |  |  |  |  |  |  |
| G15.0 | 2765.5 | 2788.5 | 2980.1 |  |  |  |  |  |  |  |
| G16.0 | 2749.5 | 2773.1 | 2965.9 |  |  |  |  |  |  |  |
| G17.0 | 2734.7 | 2758.8 | 2950.4 |  |  |  |  |  |  |  |
| G18.0 | 2719.0 | 2743.3 | 2935.5 |  |  |  |  |  |  |  |
| G19.0 | 2700.9 | 2726.0 | 2917.4 |  |  |  |  |  |  |  |
| G20.0 | 2682.5 | 2708.2 | 2900.3 |  |  |  |  |  |  |  |
| G21.0 | 2664.6 | 2690.9 | 2881.8 |  |  |  |  |  |  |  |
| G22.0 | 2642.8 | 2670.6 | 2860.8 |  |  |  |  |  |  |  |
| G23.0 | 2622.8 | 2650.4 | 2839.6 |  |  |  |  |  |  |  |
| G24.0 | 2600.1 | 2629.1 | 2815.5 |  |  |  |  |  |  |  |
| G25.0 | 2577.6 | 2607.2 | 2793.1 |  |  |  |  |  |  |  |
| G26.0 | 2555.1 | 2584.6 | 2769.0 |  |  |  |  |  |  |  |
| G27.0 | 2528.4 | 2560.3 | 2742.6 |  |  |  |  |  |  |  |
| G28.0 | 2503.9 | 2537.0 | 2717.6 |  |  |  |  |  |  |  |
| G29.0 | 2476.7 | 2510.6 | 2691.0 |  |  |  |  |  |  |  |
| G30.0 | 2450.0 | 2486.1 | 2659.4 |  |  |  |  |  |  |  |
| G31.0 | 2424.2 | 2459.1 | 2632.3 |  |  |  |  |  |  |  |
| G32.0 | 2392.8 | 2431.2 | 2601.7 |  |  |  |  |  |  |  |
| G33.0 | 2365.2 | 2403.1 | 2572.0 |  |  |  |  |  |  |  |
| G34.0 | 2335.7 | 2374.0 | 2541.4 |  |  |  |  |  |  |  |
| G35.0 | 2303.8 | 2343.1 | 2508.3 |  |  |  |  |  |  |  |
| G36.0 | 2273.1 | 2314.2 | 2476.1 |  |  |  |  |  |  |  |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.200 m

Humidity:

Inspector:

## Candlepower Table (Continue 6)

Unit: cd

| G\C   | C300.0 | C330.0 | C360.0 |  |  |  |  |  |  |  |
|-------|--------|--------|--------|--|--|--|--|--|--|--|
| G37.0 | 2239.6 | 2280.6 | 2444.2 |  |  |  |  |  |  |  |
| G38.0 | 2206.5 | 2250.5 | 2409.1 |  |  |  |  |  |  |  |
| G39.0 | 2175.6 | 2218.1 | 2375.1 |  |  |  |  |  |  |  |
| G40.0 | 2139.3 | 2183.9 | 2336.3 |  |  |  |  |  |  |  |
| G41.0 | 2106.8 | 2150.5 | 2302.1 |  |  |  |  |  |  |  |
| G42.0 | 2073.9 | 2118.1 | 2265.7 |  |  |  |  |  |  |  |
| G43.0 | 2036.1 | 2080.6 | 2227.0 |  |  |  |  |  |  |  |
| G44.0 | 2001.8 | 2045.4 | 2189.1 |  |  |  |  |  |  |  |
| G45.0 | 1962.3 | 2007.9 | 2152.6 |  |  |  |  |  |  |  |
| G46.0 | 1927.1 | 1973.6 | 2112.1 |  |  |  |  |  |  |  |
| G47.0 | 1890.1 | 1936.7 | 2072.9 |  |  |  |  |  |  |  |
| G48.0 | 1850.6 | 1897.7 | 2031.9 |  |  |  |  |  |  |  |
| G49.0 | 1812.8 | 1860.2 | 1994.1 |  |  |  |  |  |  |  |
| G50.0 | 1774.2 | 1823.6 | 1953.2 |  |  |  |  |  |  |  |
| G51.0 | 1733.4 | 1781.6 | 1909.9 |  |  |  |  |  |  |  |
| G52.0 | 1694.4 | 1744.7 | 1868.4 |  |  |  |  |  |  |  |
| G53.0 | 1653.3 | 1702.2 | 1827.7 |  |  |  |  |  |  |  |
| G54.0 | 1613.1 | 1664.3 | 1781.1 |  |  |  |  |  |  |  |
| G55.0 | 1574.8 | 1624.1 | 1739.9 |  |  |  |  |  |  |  |
| G56.0 | 1531.9 | 1581.8 | 1694.7 |  |  |  |  |  |  |  |
| G57.0 | 1490.8 | 1541.0 | 1651.1 |  |  |  |  |  |  |  |
| G58.0 | 1449.8 | 1500.5 | 1609.5 |  |  |  |  |  |  |  |
| G59.0 | 1406.6 | 1457.3 | 1561.2 |  |  |  |  |  |  |  |
| G60.0 | 1364.8 | 1415.7 | 1518.4 |  |  |  |  |  |  |  |
| G61.0 | 1319.3 | 1370.2 | 1476.0 |  |  |  |  |  |  |  |
| G62.0 | 1278.9 | 1328.4 | 1427.0 |  |  |  |  |  |  |  |
| G63.0 | 1236.5 | 1288.1 | 1384.1 |  |  |  |  |  |  |  |
| G64.0 | 1190.2 | 1243.7 | 1337.1 |  |  |  |  |  |  |  |
| G65.0 | 1149.4 | 1200.8 | 1293.8 |  |  |  |  |  |  |  |
| G66.0 | 1108.7 | 1160.4 | 1248.2 |  |  |  |  |  |  |  |
| G67.0 | 1062.3 | 1113.8 | 1200.6 |  |  |  |  |  |  |  |
| G68.0 | 1021.4 | 1073.0 | 1154.9 |  |  |  |  |  |  |  |
| G69.0 | 975.1  | 1026.7 | 1107.1 |  |  |  |  |  |  |  |
| G70.0 | 934.8  | 985.8  | 1061.4 |  |  |  |  |  |  |  |
| G71.0 | 892.5  | 943.3  | 1017.8 |  |  |  |  |  |  |  |
| G72.0 | 848.5  | 898.8  | 970.1  |  |  |  |  |  |  |  |
| G73.0 | 806.5  | 856.4  | 926.9  |  |  |  |  |  |  |  |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.200 m

Humidity:

Inspector:

## Candlepower Table (Continue 7)

Unit: cd

| G\C    | C300.0 | C330.0 | C360.0 |  |  |  |  |  |  |  |
|--------|--------|--------|--------|--|--|--|--|--|--|--|
| G74.0  | 762.8  | 812.1  | 881.8  |  |  |  |  |  |  |  |
| G75.0  | 723.3  | 772.2  | 834.8  |  |  |  |  |  |  |  |
| G76.0  | 682.1  | 730.4  | 792.1  |  |  |  |  |  |  |  |
| G77.0  | 639.5  | 687.3  | 746.0  |  |  |  |  |  |  |  |
| G78.0  | 599.4  | 646.3  | 701.6  |  |  |  |  |  |  |  |
| G79.0  | 561.5  | 607.4  | 659.9  |  |  |  |  |  |  |  |
| G80.0  | 518.7  | 563.9  | 614.7  |  |  |  |  |  |  |  |
| G81.0  | 481.9  | 526.2  | 573.8  |  |  |  |  |  |  |  |
| G82.0  | 441.9  | 485.1  | 533.3  |  |  |  |  |  |  |  |
| G83.0  | 404.4  | 448.5  | 487.7  |  |  |  |  |  |  |  |
| G84.0  | 369.3  | 410.5  | 448.7  |  |  |  |  |  |  |  |
| G85.0  | 331.8  | 371.6  | 406.4  |  |  |  |  |  |  |  |
| G86.0  | 296.7  | 335.1  | 366.7  |  |  |  |  |  |  |  |
| G87.0  | 264.2  | 300.9  | 329.6  |  |  |  |  |  |  |  |
| G88.0  | 229.0  | 263.1  | 289.4  |  |  |  |  |  |  |  |
| G89.0  | 200.9  | 231.5  | 251.9  |  |  |  |  |  |  |  |
| G90.0  | 172.5  | 197.5  | 217.4  |  |  |  |  |  |  |  |
| G91.0  | 151.6  | 169.5  | 181.7  |  |  |  |  |  |  |  |
| G92.0  | 135.6  | 142.3  | 148.8  |  |  |  |  |  |  |  |
| G93.0  | 124.1  | 118.3  | 114.7  |  |  |  |  |  |  |  |
| G94.0  | 119.1  | 100.3  | 85.8   |  |  |  |  |  |  |  |
| G95.0  | 116.5  | 86.4   | 60.7   |  |  |  |  |  |  |  |
| G96.0  | 114.6  | 77.7   | 36.5   |  |  |  |  |  |  |  |
| G97.0  | 112.7  | 72.8   | 27.8   |  |  |  |  |  |  |  |
| G98.0  | 111.0  | 68.8   | 25.0   |  |  |  |  |  |  |  |
| G99.0  | 109.1  | 66.6   | 23.6   |  |  |  |  |  |  |  |
| G100.0 | 107.2  | 65.1   | 22.9   |  |  |  |  |  |  |  |
| G101.0 | 105.3  | 63.3   | 22.7   |  |  |  |  |  |  |  |
| G102.0 | 103.4  | 62.0   | 23.0   |  |  |  |  |  |  |  |
| G103.0 | 101.6  | 60.6   | 23.0   |  |  |  |  |  |  |  |
| G104.0 | 99.7   | 59.1   | 23.3   |  |  |  |  |  |  |  |
| G105.0 | 97.6   | 57.5   | 23.5   |  |  |  |  |  |  |  |
| G106.0 | 95.6   | 56.1   | 23.6   |  |  |  |  |  |  |  |
| G107.0 | 93.7   | 54.5   | 23.6   |  |  |  |  |  |  |  |
| G108.0 | 91.8   | 53.1   | 23.8   |  |  |  |  |  |  |  |
| G109.0 | 89.5   | 51.6   | 24.0   |  |  |  |  |  |  |  |
| G110.0 | 87.7   | 50.1   | 24.1   |  |  |  |  |  |  |  |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.200 m

Humidity:

Inspector:

## Candlepower Table (Continue 8)

Unit: cd

| G\C    | C300.0 | C330.0 | C360.0 |  |  |  |  |  |  |  |
|--------|--------|--------|--------|--|--|--|--|--|--|--|
| G111.0 | 85.7   | 48.6   | 24.2   |  |  |  |  |  |  |  |
| G112.0 | 83.5   | 47.1   | 24.5   |  |  |  |  |  |  |  |
| G113.0 | 81.5   | 45.9   | 24.7   |  |  |  |  |  |  |  |
| G114.0 | 79.3   | 44.5   | 24.9   |  |  |  |  |  |  |  |
| G115.0 | 77.4   | 43.5   | 24.9   |  |  |  |  |  |  |  |
| G116.0 | 75.3   | 42.5   | 25.0   |  |  |  |  |  |  |  |
| G117.0 | 73.3   | 41.5   | 25.0   |  |  |  |  |  |  |  |
| G118.0 | 71.1   | 40.6   | 25.0   |  |  |  |  |  |  |  |
| G119.0 | 69.0   | 39.6   | 25.0   |  |  |  |  |  |  |  |
| G120.0 | 67.0   | 38.8   | 25.1   |  |  |  |  |  |  |  |
| G121.0 | 65.1   | 37.9   | 25.0   |  |  |  |  |  |  |  |
| G122.0 | 63.0   | 37.2   | 25.0   |  |  |  |  |  |  |  |
| G123.0 | 60.9   | 36.7   | 24.9   |  |  |  |  |  |  |  |
| G124.0 | 59.4   | 36.1   | 24.8   |  |  |  |  |  |  |  |
| G125.0 | 57.4   | 35.5   | 24.5   |  |  |  |  |  |  |  |
| G126.0 | 55.6   | 34.9   | 24.4   |  |  |  |  |  |  |  |
| G127.0 | 53.7   | 34.3   | 24.3   |  |  |  |  |  |  |  |
| G128.0 | 51.8   | 34.0   | 24.2   |  |  |  |  |  |  |  |
| G129.0 | 50.1   | 33.5   | 24.4   |  |  |  |  |  |  |  |
| G130.0 | 48.2   | 33.0   | 24.7   |  |  |  |  |  |  |  |
| G131.0 | 46.2   | 32.7   | 25.0   |  |  |  |  |  |  |  |
| G132.0 | 44.4   | 32.2   | 25.3   |  |  |  |  |  |  |  |
| G133.0 | 42.4   | 31.7   | 24.9   |  |  |  |  |  |  |  |
| G134.0 | 41.1   | 31.3   | 24.3   |  |  |  |  |  |  |  |
| G135.0 | 39.3   | 30.9   | 24.5   |  |  |  |  |  |  |  |
| G136.0 | 38.2   | 30.5   | 24.9   |  |  |  |  |  |  |  |
| G137.0 | 36.9   | 30.0   | 25.7   |  |  |  |  |  |  |  |
| G138.0 | 35.8   | 29.6   | 25.8   |  |  |  |  |  |  |  |
| G139.0 | 34.5   | 29.2   | 25.8   |  |  |  |  |  |  |  |
| G140.0 | 33.3   | 29.0   | 25.7   |  |  |  |  |  |  |  |
| G141.0 | 32.7   | 30.1   | 25.7   |  |  |  |  |  |  |  |
| G142.0 | 31.9   | 31.3   | 25.8   |  |  |  |  |  |  |  |
| G143.0 | 30.8   | 30.8   | 25.8   |  |  |  |  |  |  |  |
| G144.0 | 30.6   | 30.8   | 26.0   |  |  |  |  |  |  |  |
| G145.0 | 29.9   | 30.2   | 26.9   |  |  |  |  |  |  |  |
| G146.0 | 29.4   | 29.6   | 28.5   |  |  |  |  |  |  |  |
| G147.0 | 29.1   | 29.2   | 30.2   |  |  |  |  |  |  |  |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.200 m

Humidity:

Inspector:

## Candlepower Table (Continue 9)

Unit: cd

| G\C    | C300.0 | C330.0 | C360.0 |  |  |  |  |  |  |  |
|--------|--------|--------|--------|--|--|--|--|--|--|--|
| G148.0 | 28.8   | 28.9   | 30.6   |  |  |  |  |  |  |  |
| G149.0 | 28.5   | 28.4   | 30.0   |  |  |  |  |  |  |  |
| G150.0 | 28.3   | 28.2   | 29.7   |  |  |  |  |  |  |  |
| G151.0 | 28.0   | 27.8   | 29.4   |  |  |  |  |  |  |  |
| G152.0 | 27.7   | 27.6   | 29.0   |  |  |  |  |  |  |  |
| G153.0 | 27.5   | 27.4   | 28.7   |  |  |  |  |  |  |  |
| G154.0 | 27.3   | 27.2   | 28.3   |  |  |  |  |  |  |  |
| G155.0 | 27.0   | 27.2   | 28.2   |  |  |  |  |  |  |  |
| G156.0 | 27.0   | 27.1   | 27.8   |  |  |  |  |  |  |  |
| G157.0 | 26.8   | 26.9   | 27.6   |  |  |  |  |  |  |  |
| G158.0 | 26.7   | 26.9   | 27.2   |  |  |  |  |  |  |  |
| G159.0 | 26.6   | 26.9   | 27.0   |  |  |  |  |  |  |  |
| G160.0 | 26.6   | 26.8   | 26.7   |  |  |  |  |  |  |  |
| G161.0 | 26.7   | 26.7   | 26.6   |  |  |  |  |  |  |  |
| G162.0 | 26.9   | 26.9   | 26.4   |  |  |  |  |  |  |  |
| G163.0 | 27.2   | 26.9   | 26.1   |  |  |  |  |  |  |  |
| G164.0 | 27.3   | 27.0   | 25.9   |  |  |  |  |  |  |  |
| G165.0 | 27.6   | 27.2   | 25.8   |  |  |  |  |  |  |  |
| G166.0 | 27.8   | 27.2   | 25.8   |  |  |  |  |  |  |  |
| G167.0 | 28.0   | 27.6   | 25.8   |  |  |  |  |  |  |  |
| G168.0 | 28.0   | 27.8   | 26.0   |  |  |  |  |  |  |  |
| G169.0 | 28.2   | 27.8   | 26.2   |  |  |  |  |  |  |  |
| G170.0 | 28.5   | 28.2   | 26.4   |  |  |  |  |  |  |  |
| G171.0 | 28.7   | 28.4   | 26.5   |  |  |  |  |  |  |  |
| G172.0 | 28.8   | 28.6   | 26.6   |  |  |  |  |  |  |  |
| G173.0 | 29.0   | 28.7   | 26.9   |  |  |  |  |  |  |  |
| G174.0 | 29.2   | 28.9   | 27.0   |  |  |  |  |  |  |  |
| G175.0 | 29.2   | 29.0   | 27.1   |  |  |  |  |  |  |  |
| G176.0 | 29.4   | 29.1   | 27.2   |  |  |  |  |  |  |  |
| G177.0 | 29.5   | 29.1   | 27.4   |  |  |  |  |  |  |  |
| G178.0 | 29.6   | 29.2   | 27.4   |  |  |  |  |  |  |  |
| G179.0 | 29.6   | 29.2   | 27.5   |  |  |  |  |  |  |  |
| G180.0 | 29.6   | 29.4   | 27.5   |  |  |  |  |  |  |  |
|        |        |        |        |  |  |  |  |  |  |  |
|        |        |        |        |  |  |  |  |  |  |  |
|        |        |        |        |  |  |  |  |  |  |  |
|        |        |        |        |  |  |  |  |  |  |  |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.200 m

Humidity:

Inspector: