

Report No.:

Test Time: 2023/4/25 12:07

## Luminaire Property

Luminaire Manufacturer:  
Luminaire Category:  
Lamp Catalog:  
Number of Lamps:  
Luminous Length (mm):  
Luminous Height (mm):  
Current: 1.186 A  
Power Factor: 0.840

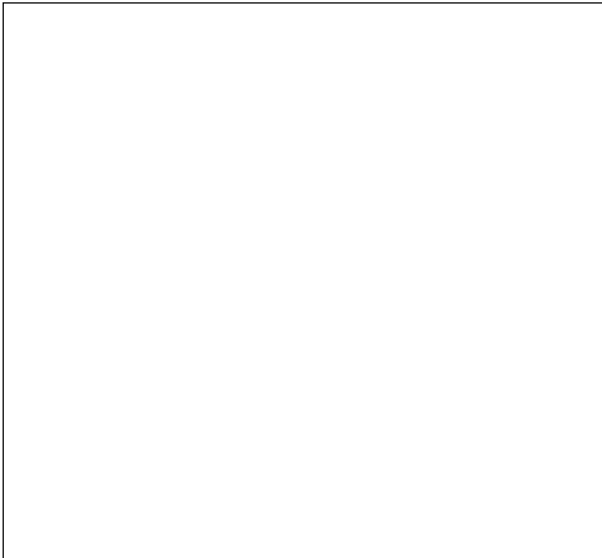
Luminaire Description: 489134 MIRAGE-V2  
Lamp Description:  
Lumens per Lamp:  
Luminous Width (mm):  
Voltage: 12.1 V  
Power: 12.05 W

## Photometric Results

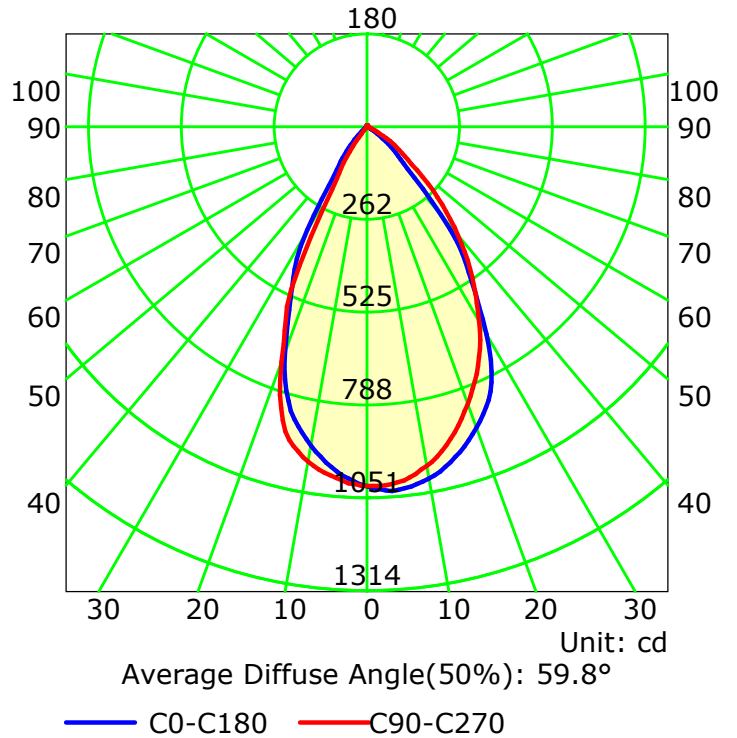
CIE Class: Direct  
Measurement Flux: 974.1 lm  
Downward Ratio: 100%  
Horizontal Diffuse Angle(25%,50%,75%,100%): H73.3,H59.3,H44.7,H4  
Vertical Diffuse Angle(25%,50%,75%,100%): V74.5,V60.5,V43,V2  
Luminaire Efficacy Rating (LER): 80.89  
Max. Intensity: 1034.42 cd  
S/MH(C0/C180): 0.91

Total Rated Lamp Lumens: 974.1 lm  
Efficiency: 100%  
Upward Ratio: 0%  
C0r0 Intensity: 1018.26 cd  
Pos of Max. Intensity: H0 V4  
S/MH(C90/C270): 0.89

Picture Of Luminaire



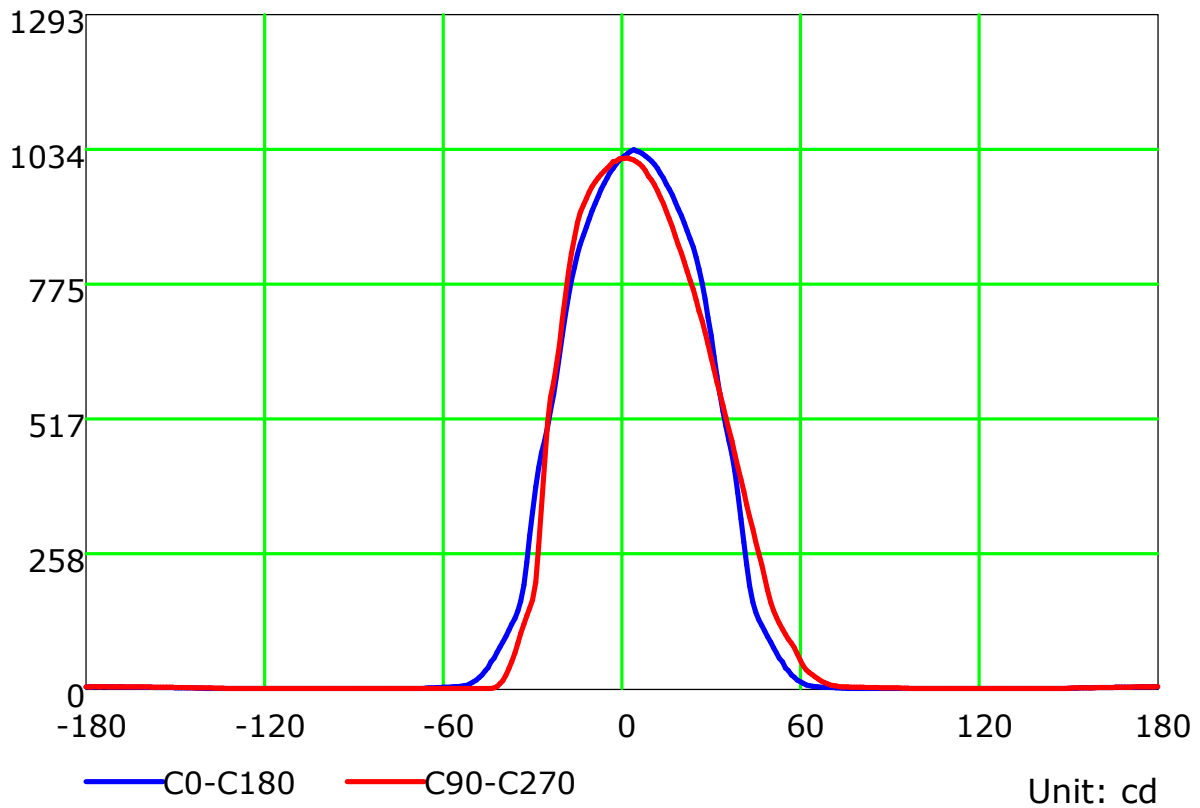
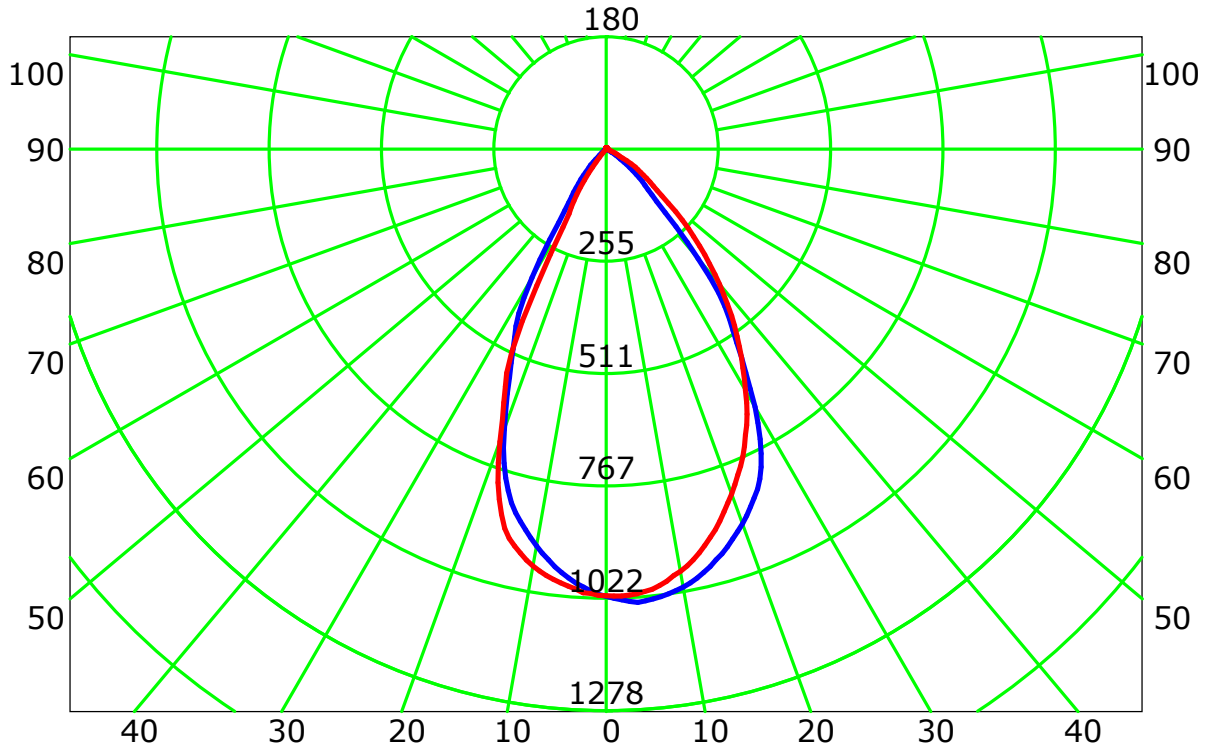
Luminous Intensity Distribution Curve



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

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 11.655 m [K=1.0000]  
Humidity:  
Inspector:

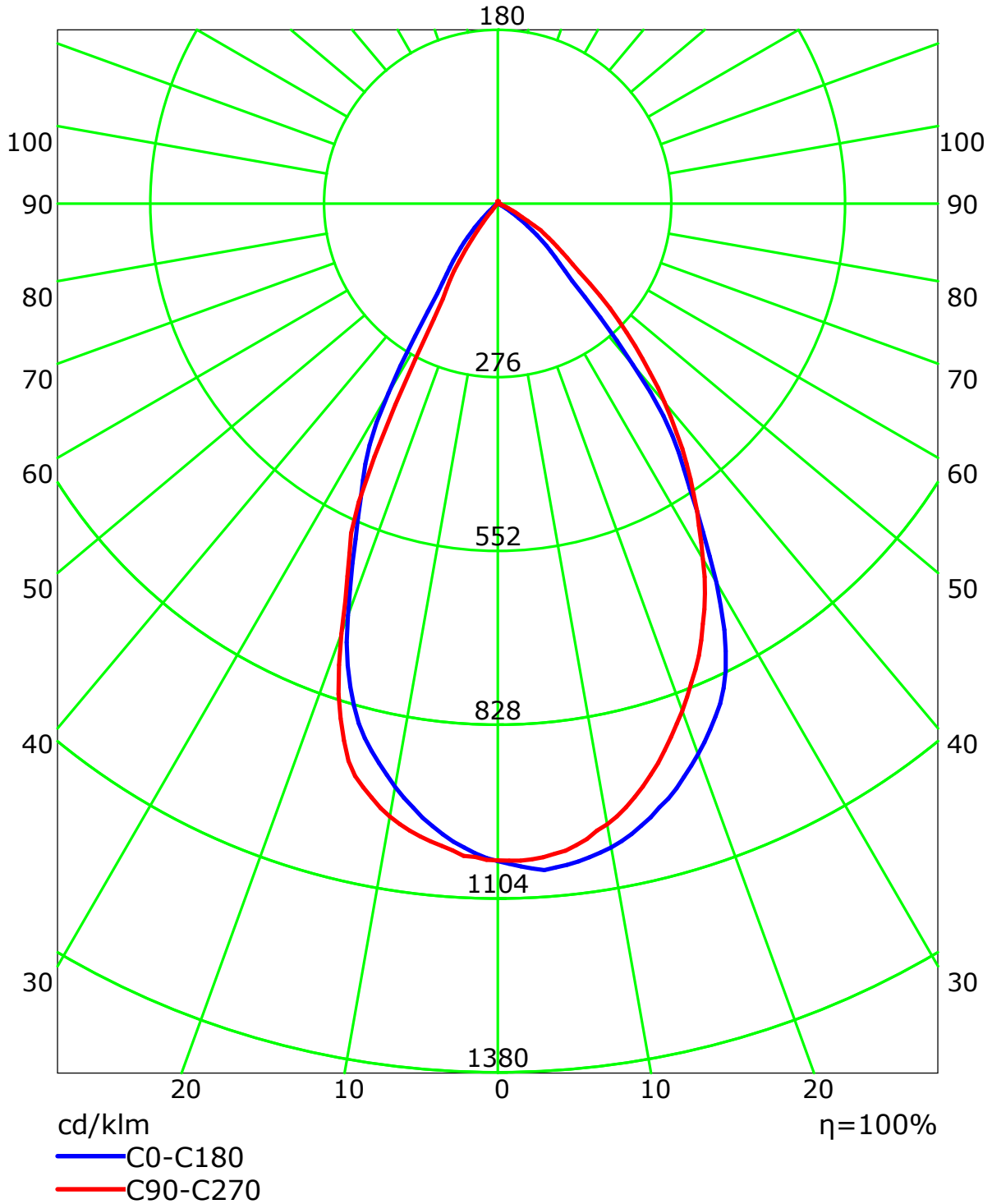
## Luminous Intensity Distribution Curve



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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.655 m [K=1.0000]  
 Humidity:  
 Inspector:

## Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

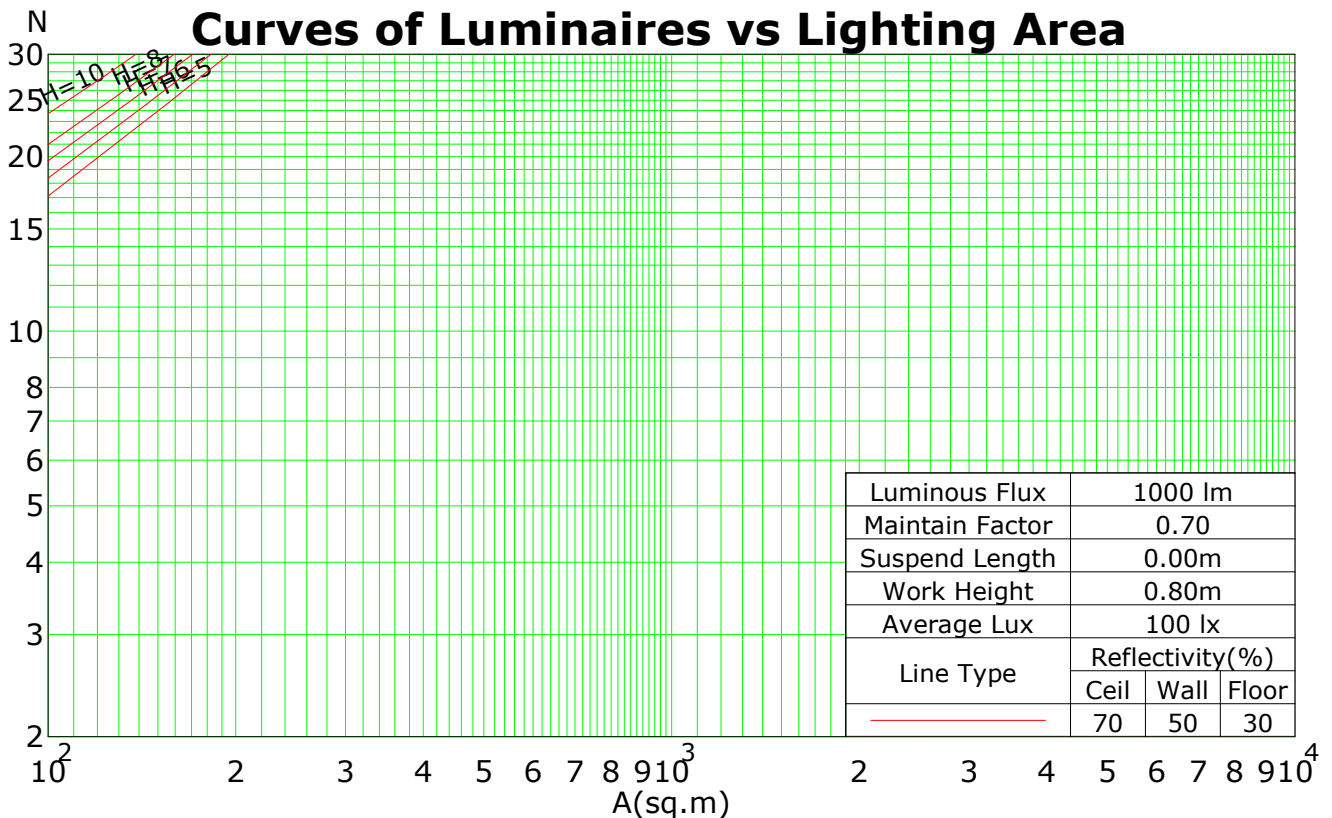
Humidity:

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   | 1.19     | 1.19 | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 1.00 |
| 1   | 1.13     | 1.10 | 1.08 | 1.05 | 1.11 | 1.08 | 1.06 | 1.04 | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.97 | 0.95 | 0.94 | 0.93 |
| 2   | 1.07     | 1.02 | 0.98 | 0.94 | 1.05 | 1.00 | 0.96 | 0.93 | 0.97 | 0.94 | 0.91 | 0.94 | 0.91 | 0.89 | 0.91 | 0.89 | 0.87 | 0.85 |
| 3   | 1.01     | 0.94 | 0.89 | 0.85 | 0.99 | 0.93 | 0.88 | 0.84 | 0.90 | 0.86 | 0.83 | 0.88 | 0.84 | 0.82 | 0.86 | 0.83 | 0.80 | 0.79 |
| 4   | 0.96     | 0.88 | 0.82 | 0.77 | 0.94 | 0.87 | 0.81 | 0.77 | 0.84 | 0.80 | 0.76 | 0.82 | 0.78 | 0.75 | 0.80 | 0.77 | 0.74 | 0.73 |
| 5   | 0.91     | 0.82 | 0.76 | 0.71 | 0.89 | 0.81 | 0.75 | 0.71 | 0.79 | 0.74 | 0.70 | 0.77 | 0.73 | 0.69 | 0.76 | 0.72 | 0.69 | 0.67 |
| 6   | 0.86     | 0.76 | 0.70 | 0.65 | 0.84 | 0.75 | 0.70 | 0.65 | 0.74 | 0.69 | 0.65 | 0.72 | 0.68 | 0.64 | 0.71 | 0.67 | 0.64 | 0.62 |
| 7   | 0.81     | 0.71 | 0.65 | 0.61 | 0.80 | 0.71 | 0.65 | 0.60 | 0.69 | 0.64 | 0.60 | 0.68 | 0.63 | 0.60 | 0.67 | 0.63 | 0.59 | 0.58 |
| 8   | 0.77     | 0.67 | 0.61 | 0.56 | 0.76 | 0.66 | 0.60 | 0.56 | 0.65 | 0.60 | 0.56 | 0.64 | 0.59 | 0.56 | 0.63 | 0.59 | 0.56 | 0.54 |
| 9   | 0.73     | 0.63 | 0.57 | 0.53 | 0.72 | 0.63 | 0.57 | 0.53 | 0.62 | 0.56 | 0.52 | 0.61 | 0.56 | 0.52 | 0.60 | 0.55 | 0.52 | 0.51 |
| 10  | 0.70     | 0.60 | 0.53 | 0.49 | 0.69 | 0.59 | 0.53 | 0.49 | 0.58 | 0.53 | 0.49 | 0.57 | 0.52 | 0.49 | 0.57 | 0.52 | 0.49 | 0.48 |

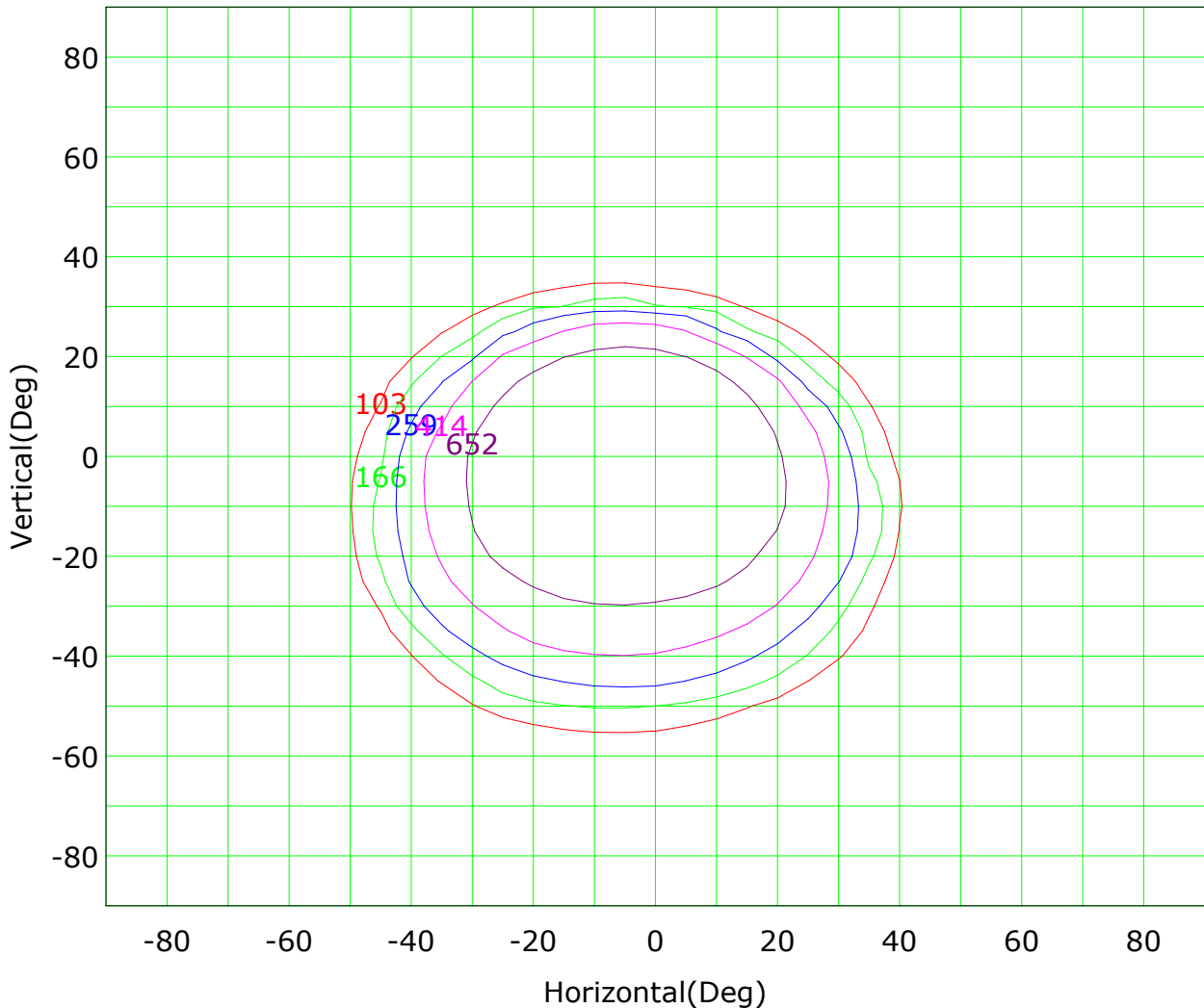
Spacing Criteria (0-180): 0.91  
 Spacing Criteria (90-270): 0.89  
 Spacing Criteria (Diagonal): 0.87



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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.655 m [K=1.0000]  
 Humidity:  
 Inspector:

## Isocandela (rectangle)



Imax (100%): 1034 cd

|                  |                   |
|------------------|-------------------|
| — ( 10%): 103 cd | — ( 16%): 166 cd  |
| — ( 25%): 259 cd | — ( 40%): 414 cd  |
| — ( 63%): 652 cd | — (100%): 1034 cd |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

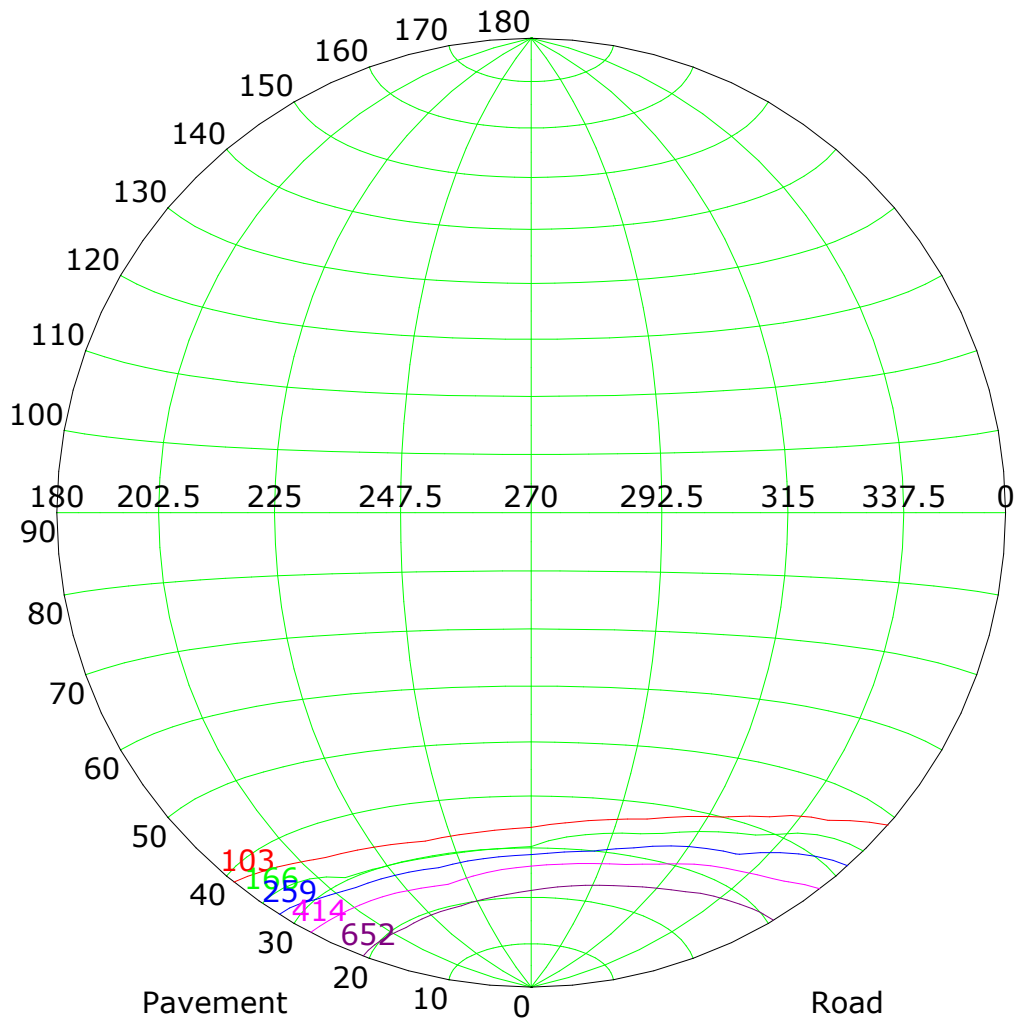
Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

## Isocandela (sphere)



Imax (100%): 1034 cd

|           |        |           |         |
|-----------|--------|-----------|---------|
| — ( 10%): | 103 cd | — ( 16%): | 166 cd  |
| — ( 25%): | 259 cd | — ( 40%): | 414 cd  |
| — ( 63%): | 652 cd | — (100%): | 1034 cd |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

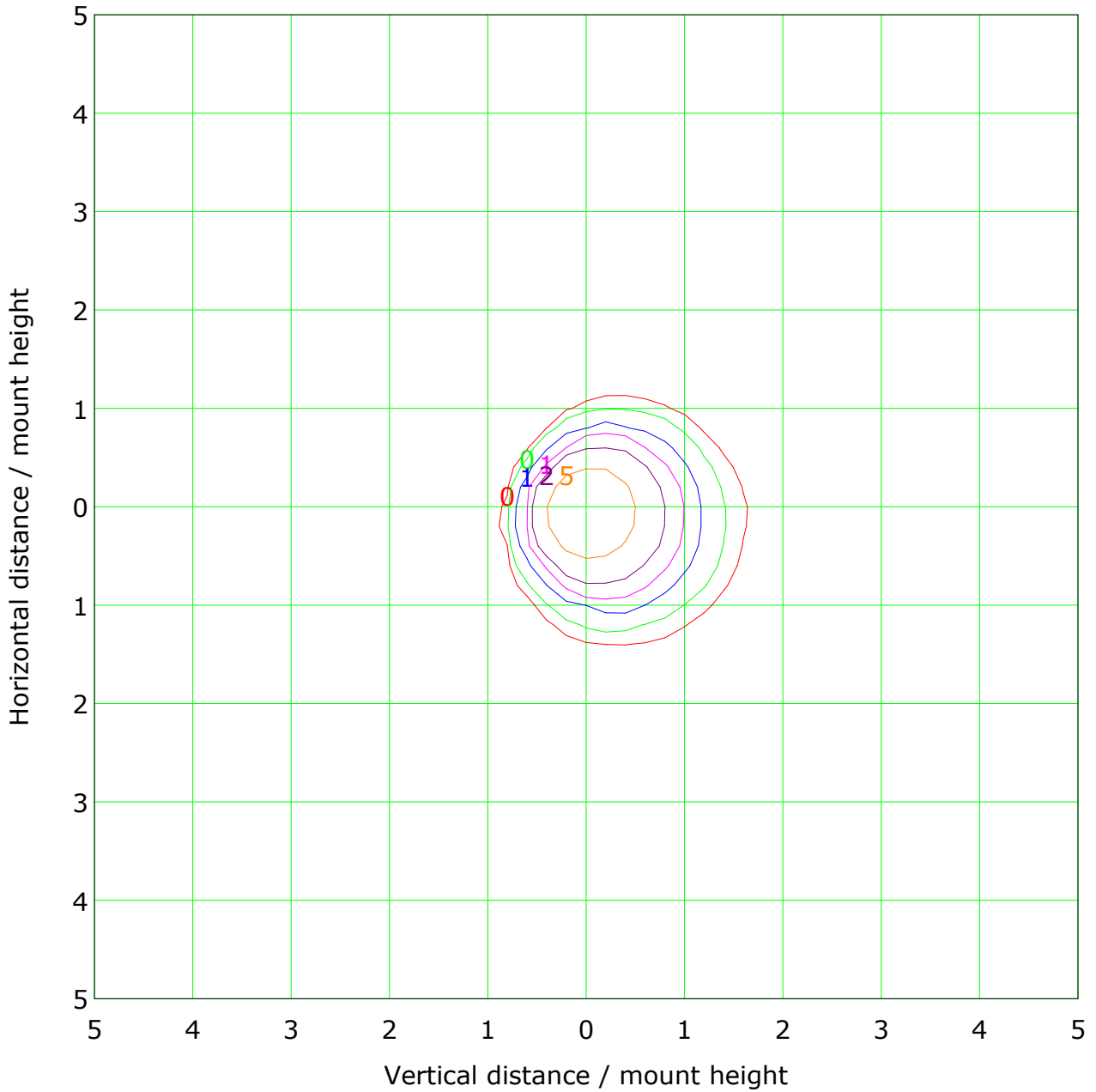
Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

### IsoLux Plot



Mounting Height: 10.0m    Max Lux(100%): 10.3 lx

|                   |                 |
|-------------------|-----------------|
| — ( 1%): 0.1 lx   | — ( 2%): 0.2 lx |
| — ( 5%): 0.5 lx   | — (10%): 1.0 lx |
| — (20%): 2.1 lx   | — (50%): 5.1 lx |
| — (100%): 10.3 lx |                 |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

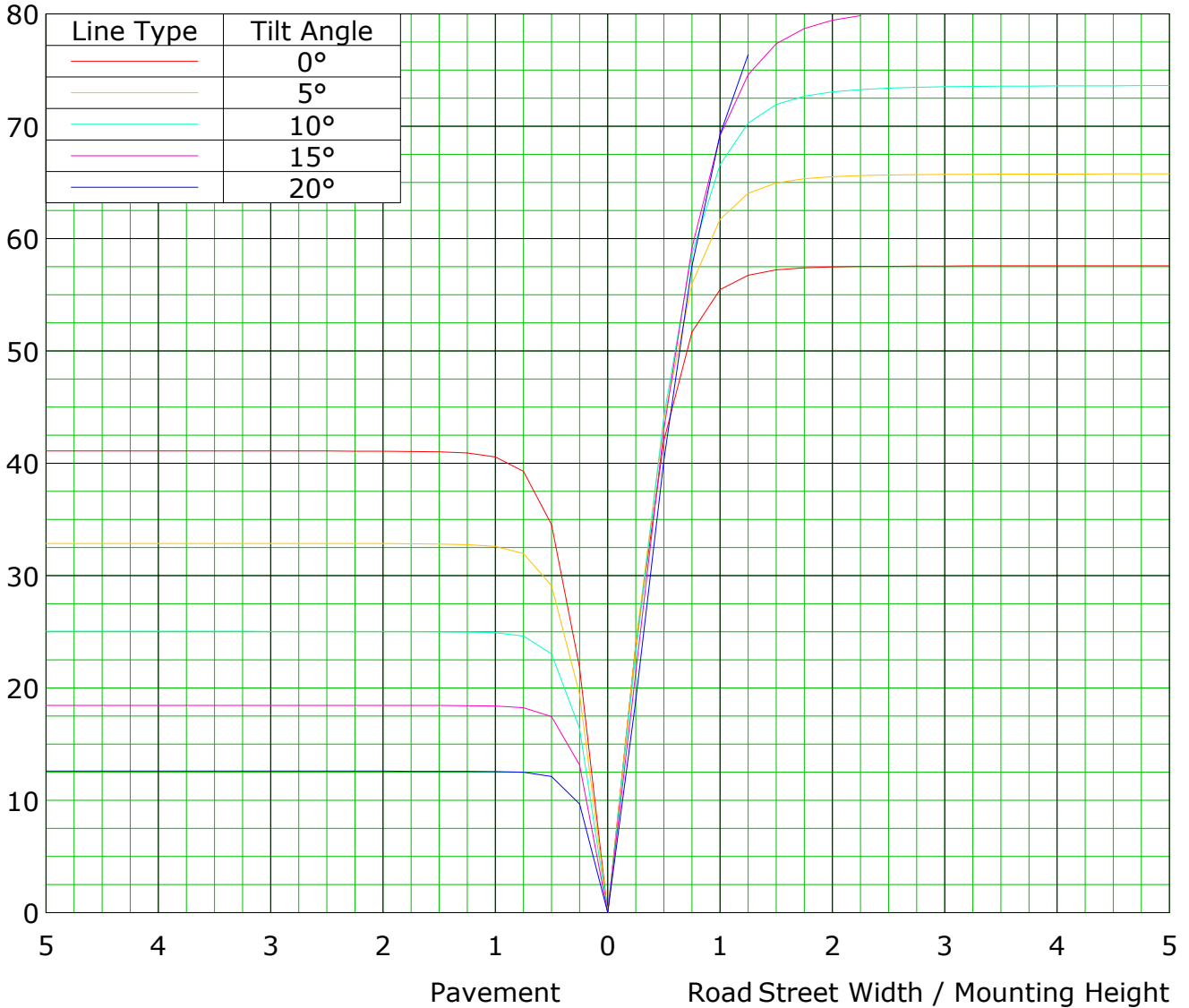
Distance: 11.655 m [K=1.0000]

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-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

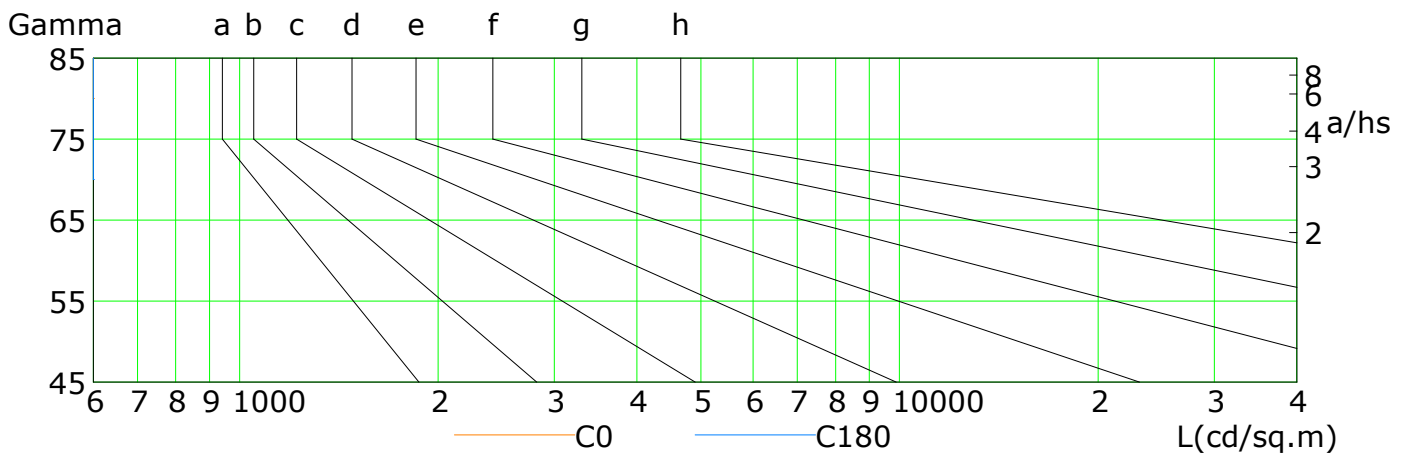
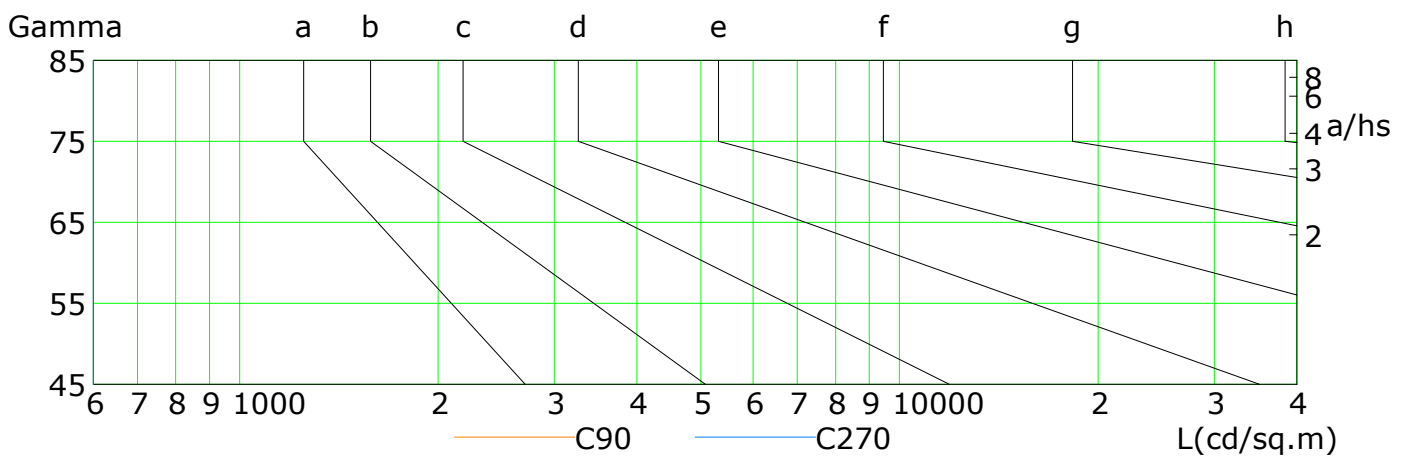
Inspector:



## Lum Limit Curve

| Dazzle | Quality | Illuminance (lx) |      |      |       |       |       |       |       |
|--------|---------|------------------|------|------|-------|-------|-------|-------|-------|
|        |         | 2000             | 1000 | 500  | <=300 |       |       |       |       |
| 1.15   | A       | 2000             | 1000 | 500  | <=300 |       |       |       |       |
| 1.50   | B       |                  | 2000 | 1000 | 500   | <=300 |       |       |       |
| 1.85   | C       |                  |      | 2000 | 1000  | 500   | <=300 |       |       |
| 2.20   | D       |                  |      |      | 2000  | 1000  | 500   | <=300 |       |
| 2.55   | E       |                  |      |      |       | 2000  | 1000  | 500   | <=300 |

a b c d e f g h



| L(cd/sq.m) | G45 | G50 | G55 | G60 | G65 | G70 | G75 | G80 | G85 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| C0         | 147 | 90  | 39  | 13  | 4   | 2   | 1   | 0   | 0   |
| C90        | 282 | 166 | 104 | 54  | 22  | 7   | 3   | 3   | 2   |
| C180       | 41  | 13  | 4   | 2   | 1   | 0   | 0   | 0   | 0   |
| C270       | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

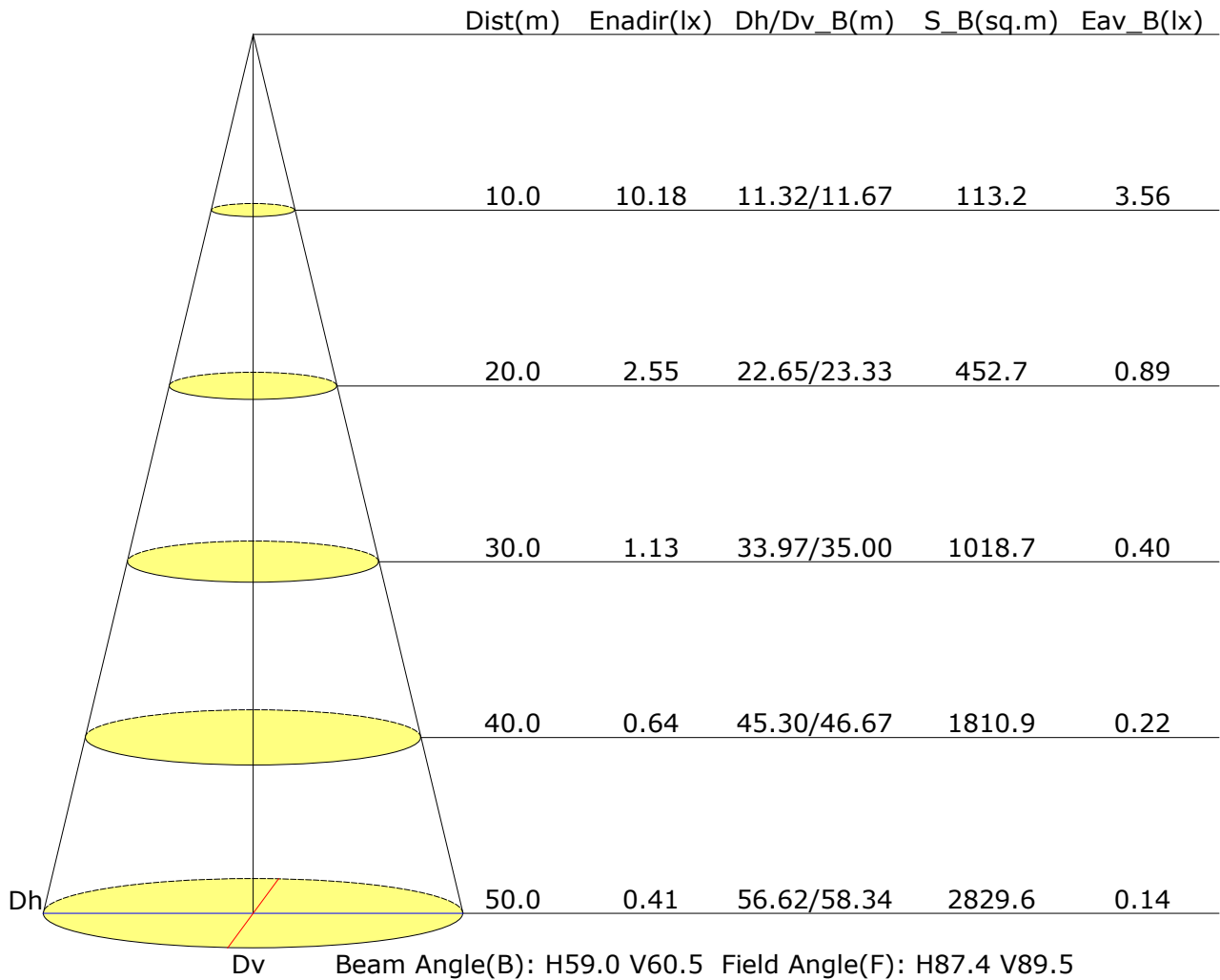
Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

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

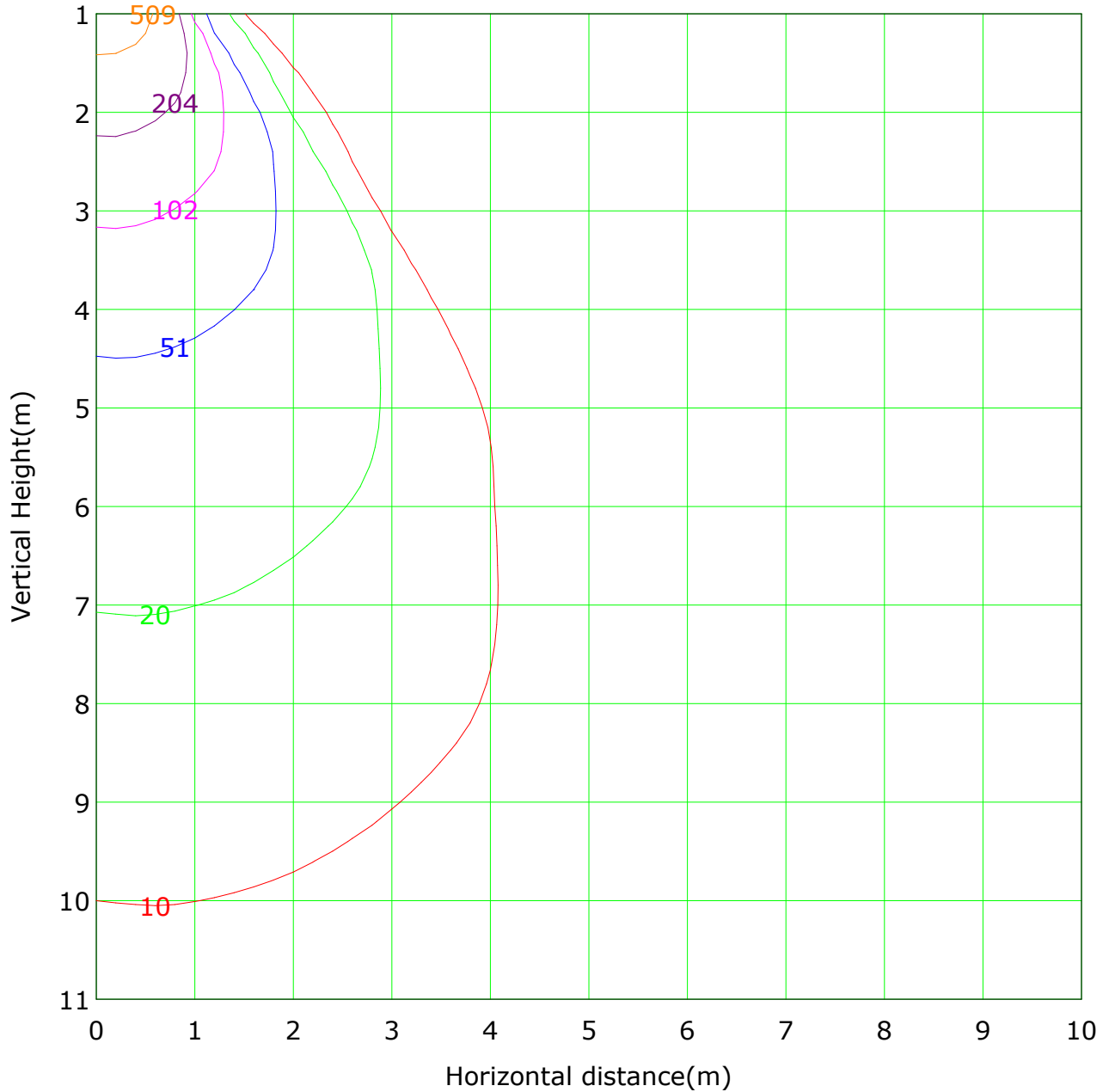
Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

## Vertical IsoLux Plot



Lowest(m): 1.0m    Highest(m): 11.0m    Max Lux: 1018.3 lx

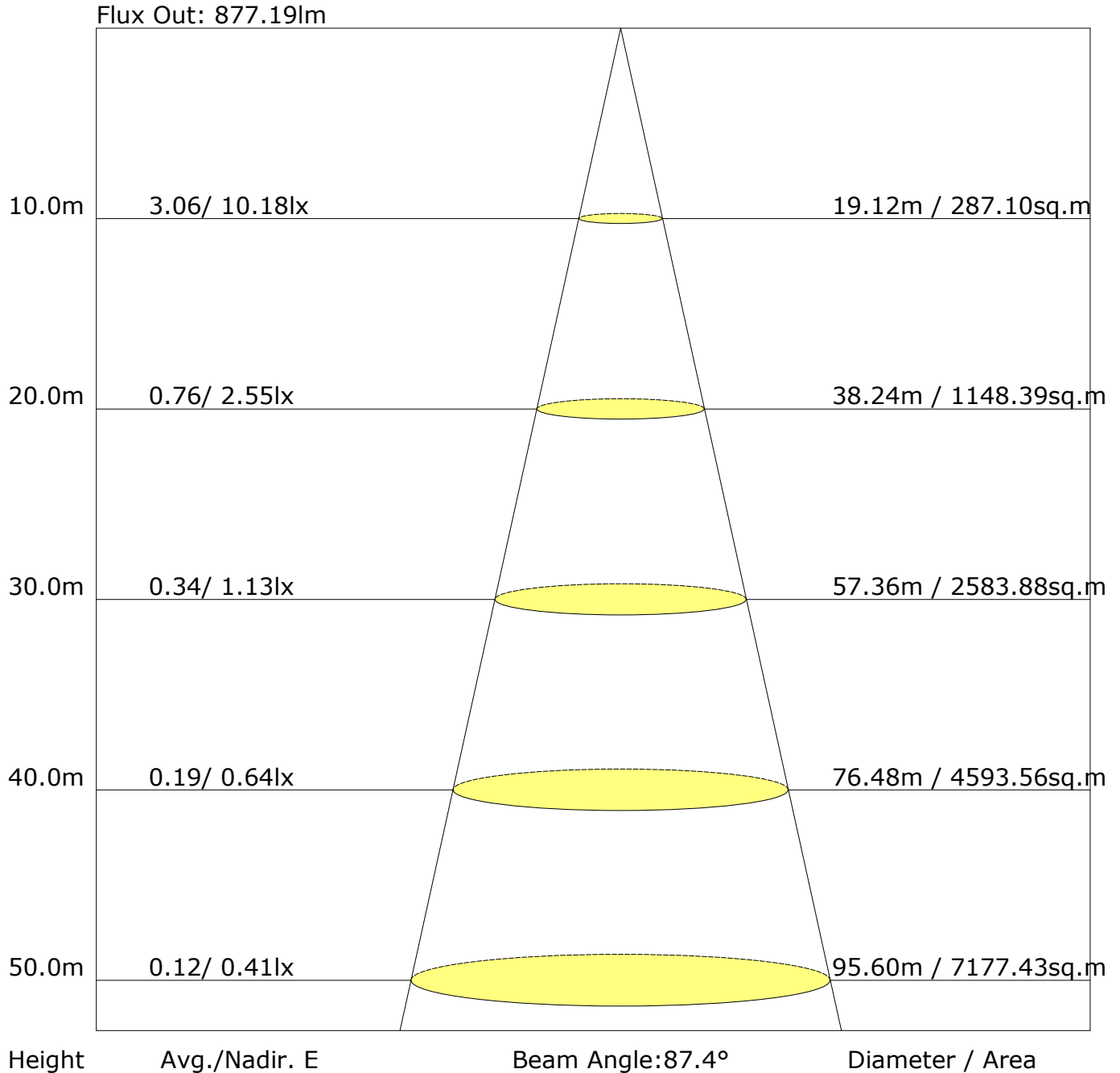
|                    |                    |
|--------------------|--------------------|
| — ( 1%): 10.2 lx   | — ( 2%): 20.4 lx   |
| — ( 5%): 50.9 lx   | — ( 10%): 101.8 lx |
| — ( 20%): 203.7 lx | — ( 50%): 509.1 lx |
| — (100%):1018.3 lx |                    |

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.655 m [K=1.0000]  
 Humidity:  
 Inspector:



## The Average Illuminance Effective Figure



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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.655 m [K=1.0000]  
 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.\$  | 1.\$  |
| 3H               | 1.\$             | 1.\$  | 1.\$  | 1.\$  | 1.\$  | 1.\$           | 1.\$  | 1.\$  | 1.\$  | 1.\$  | 1.\$  |
| 4H               | 1.\$             | 1.\$  | 1.\$  | 1.\$  | 1.\$  | 1.\$           | 1.\$  | 1.\$  | 1.\$  | 1.\$  | 1.\$  |
| 6H               | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | 1.\$           | 1.\$  | 1.\$  | 1.\$  | 1.\$  | 1.\$  |
| 8H               | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | 1.\$           | 1.\$  | 1.\$  | 1.\$  | 1.\$  | 1.\$  |
| 12H              | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | 1.\$           | 1.\$  | 1.\$  | 1.\$  | 1.\$  | 1.\$  |
| X=4H Y=2H        | 1.\$             | 1.\$  | 1.\$  | 1.\$  | 1.\$  | 1.\$           | 1.\$  | 1.\$  | 1.\$  | 1.\$  | 1.\$  |
| 3H               | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | 1.\$           | 1.\$  | 1.\$  | 1.\$  | 1.\$  | 1.\$  |
| 4H               | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | 1.\$           | 1.\$  | 1.\$  | 1.\$  | 1.\$  | 1.\$  |
| 6H               | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | 1.\$           | 1.\$  | 1.\$  | 1.\$  | 1.\$  | 1.\$  |
| 8H               | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | 1.\$           | 1.\$  | 1.\$  | 1.\$  | 1.\$  | 1.\$  |
| 12H              | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | 1.\$           | 1.\$  | 1.\$  | 1.\$  | 1.\$  | 1.\$  |
| X=8H Y=4H        | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | 1.\$           | 1.\$  | 1.\$  | 1.\$  | 1.\$  | 1.\$  |
| 6H               | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | 1.\$           | 1.\$  | 1.\$  | 1.\$  | 1.\$  | 1.\$  |
| 8H               | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | 1.\$           | 1.\$  | 1.\$  | 1.\$  | 1.\$  | 1.\$  |
| 12H              | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | 1.\$           | 1.\$  | 1.\$  | 1.\$  | 1.\$  | 1.\$  |
| X=12H Y=4H       | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 6H               | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 8H               | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |

Calculate in accordance with CIE 190:2010 The table is revised with 974lm ( $8\log(F/F_0) = -0.1$ ).

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.655 m [K=1.0000]  
 Humidity:  
 Inspector:

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



| ZONE           | LUMENS | % LAMP LUMENS |
|----------------|--------|---------------|
| FORWARD LIGHT  | 567    | 58.3          |
| FL ( 0°-30°)   | 347    | 35.6          |
| FM (30°-60°)   | 214    | 22.0          |
| FH (60°-80°)   | 6      | 0.7           |
| FVH (80°-90°)  | 0      | 0.0           |
| BACK LIGHT     | 404    | 41.5          |
| BL ( 0°-30°)   | 286    | 29.4          |
| BM (30°-60°)   | 115    | 11.8          |
| BH (60°-80°)   | 3      | 0.3           |
| BVH (80°-90°)  | 0      | 0.0           |
| UP LIGHT       | 3      | 0.3           |
| UL (90°-100°)  | 0      | 0.0           |
| UH (100°-180°) | 3      | 0.3           |
| TRAPPED LIGHT  | NA     | NA            |

| BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07             |          |
|--|----------|
| Asymmetrical Luminaire Types<br>(Type I,II,III,IV)               | B1 U1 G0 |
| Quadrilateral Symmetrical Luminaire Types<br>(Type V,Area Light) | B1 U1 G0 |

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.655 m [K=1.0000]  
 Humidity:  
 Inspector:





## Utilisation Factor Table(Floor cavity)

| Utilisation Factors UF(F)  |      |       | SHR NOM = 0.75 |      |      |      |      |      |      |      |      |  |
|--|------|-------|----------------|------|------|------|------|------|------|------|------|--|
| 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  | 0.79           | 0.87 | 0.92 | 0.96 | 1.01 | 1.04 | 1.06 | 1.08 | 1.10 |  |
|  | 0.30 |       | 0.74           | 0.82 | 0.87 | 0.91 | 0.97 | 1.00 | 1.03 | 1.06 | 1.08 |  |
|  | 0.20 |       | 0.70           | 0.78 | 0.84 | 0.88 | 0.94 | 0.97 | 1.00 | 1.04 | 1.06 |  |
| 0.50   | 0.50 | 0.20  | 0.78           | 0.85 | 0.90 | 0.93 | 0.98 | 1.00 | 1.02 | 1.05 | 1.06 |  |
|  | 0.30 |       | 0.73           | 0.81 | 0.86 | 0.90 | 0.95 | 0.98 | 1.00 | 1.03 | 1.04 |  |
|  | 0.20 |       | 0.69           | 0.77 | 0.83 | 0.87 | 0.92 | 0.95 | 0.98 | 1.01 | 1.03 |  |
| 0.30   | 0.50 | 0.20  | 0.76           | 0.83 | 0.88 | 0.91 | 0.95 | 0.97 | 0.99 | 1.01 | 1.02 |  |
|  | 0.30 |       | 0.72           | 0.80 | 0.85 | 0.88 | 0.92 | 0.95 | 0.97 | 0.99 | 1.01 |  |
|  | 0.20 |       | 0.69           | 0.77 | 0.82 | 0.85 | 0.90 | 0.93 | 0.95 | 0.98 | 1.00 |  |
| 0.00   | 0.00 | 0.00  | 0.67           | 0.75 | 0.79 | 0.83 | 0.87 | 0.90 | 0.91 | 0.94 | 0.95 |  |
| <p>Rating:12W Photometrically tested without ceiling board.<br/>           Multiply UF values by service correction factors<br/>           Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p> |      |       |                |      |      |      |      |      |      |      |      |  |

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.655 m [K=1.0000]  
 Humidity:  
 Inspector:

## Utilisation Factor Table(Wall)

| Utilisation Factors UF(W)  |      |       | SHR NOM = 0.75 |      |      |      |      |      |      |      |      |  |
|--|------|-------|----------------|------|------|------|------|------|------|------|------|--|
| 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  | 0.67           | 0.54 | 0.45 | 0.38 | 0.30 | 0.25 | 0.21 | 0.16 | 0.13 |  |
|  | 0.30 |       | 0.56           | 0.46 | 0.39 | 0.34 | 0.27 | 0.22 | 0.19 | 0.15 | 0.12 |  |
|  | 0.20 |       | 0.48           | 0.40 | 0.35 | 0.30 | 0.25 | 0.21 | 0.18 | 0.14 | 0.12 |  |
| 0.50   | 0.50 | 0.20  | 0.64           | 0.51 | 0.42 | 0.36 | 0.28 | 0.27 | 0.19 | 0.15 | 0.12 |  |
|  | 0.30 |       | 0.55           | 0.44 | 0.37 | 0.32 | 0.25 | 0.21 | 0.18 | 0.14 | 0.11 |  |
|  | 0.20 |       | 0.47           | 0.39 | 0.33 | 0.29 | 0.23 | 0.20 | 0.17 | 0.13 | 0.11 |  |
| 0.30   | 0.50 | 0.20  | 0.62           | 0.48 | 0.40 | 0.34 | 0.26 | 0.21 | 0.18 | 0.14 | 0.11 |  |
|  | 0.30 |       | 0.53           | 0.43 | 0.36 | 0.31 | 0.24 | 0.20 | 0.17 | 0.13 | 0.11 |  |
|  | 0.20 |       | 0.46           | 0.38 | 0.32 | 0.28 | 0.22 | 0.19 | 0.16 | 0.12 | 0.10 |  |
| 0.00   | 0.00 | 0.00  | 0.34           | 0.26 | 0.21 | 0.18 | 0.14 | 0.11 | 0.09 | 0.07 | 0.06 |  |
| <p>Rating:12W Photometrically tested without ceiling board.<br/>           Multiply UF values by service correction factors<br/>           Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p> |      |       |                |      |      |      |      |      |      |      |      |  |

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.655 m [K=1.0000]  
 Humidity:  
 Inspector:

## Utilisation Factor Table(Ceiling cavity)

| Utilisation Factors UF(C) |      |       | SHR NOM = 0.75 |      |      |      |      |      |      |      |      |
|---------------------------|------|-------|----------------|------|------|------|------|------|------|------|------|
| 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  | 0.14           | 0.15 | 0.16 | 0.17 | 0.19 | 0.19 | 0.20 | 0.21 | 0.21 |
|                           | 0.30 |       | 0.09           | 0.11 | 0.13 | 0.14 | 0.16 | 0.17 | 0.18 | 0.19 | 0.20 |
|                           | 0.20 |       | 0.06           | 0.08 | 0.10 | 0.11 | 0.13 | 0.15 | 0.16 | 0.17 | 0.18 |
| 0.50                      | 0.50 | 0.20  | 0.13           | 0.15 | 0.16 | 0.17 | 0.18 | 0.19 | 0.19 | 0.20 | 0.20 |
|                           | 0.30 |       | 0.09           | 0.11 | 0.12 | 0.13 | 0.15 | 0.16 | 0.17 | 0.18 | 0.19 |
|                           | 0.20 |       | 0.06           | 0.08 | 0.09 | 0.11 | 0.13 | 0.14 | 0.15 | 0.17 | 0.18 |
| 0.30                      | 0.50 | 0.20  | 0.13           | 0.14 | 0.15 | 0.16 | 0.17 | 0.18 | 0.18 | 0.19 | 0.20 |
|                           | 0.30 |       | 0.09           | 0.11 | 0.12 | 0.13 | 0.15 | 0.16 | 0.17 | 0.18 | 0.18 |
|                           | 0.20 |       | 0.06           | 0.08 | 0.09 | 0.11 | 0.12 | 0.14 | 0.15 | 0.16 | 0.17 |
| 0.00                      | 0.00 | 0.00  | 0.00           | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Rating:12W Photometrically tested without ceiling board.  
 Multiply UF values by service correction factors  
 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-1800B  
 Distance: 11.655 m [K=1.0000]  
 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      | 1016.8                    | 1.0                | 1.0                    | 0.10                  | 0.10                      |
| 1.0-2.0      | 1016.0                    | 2.9                | 3.9                    | 0.30                  | 0.40                      |
| 2.0-3.0      | 1014.4                    | 4.9                | 8.7                    | 0.50                  | 0.90                      |
| 3.0-4.0      | 1011.7                    | 6.8                | 15.5                   | 0.70                  | 1.59                      |
| 4.0-5.0      | 1007.2                    | 8.7                | 24.2                   | 0.89                  | 2.48                      |
| 5.0-6.0      | 1001.7                    | 10.5               | 34.7                   | 1.08                  | 3.56                      |
| 6.0-7.0      | 995.5                     | 12.4               | 47.1                   | 1.27                  | 4.83                      |
| 7.0-8.0      | 988.1                     | 14.1               | 61.2                   | 1.45                  | 6.28                      |
| 8.0-9.0      | 979.6                     | 15.9               | 77.1                   | 1.63                  | 7.91                      |
| 9.0-10.0     | 970.6                     | 17.6               | 94.7                   | 1.80                  | 9.72                      |
| 10.0-11.0    | 961.0                     | 19.2               | 113.9                  | 1.97                  | 11.69                     |
| 11.0-12.0    | 950.3                     | 20.8               | 134.6                  | 2.13                  | 13.82                     |
| 12.0-13.0    | 938.3                     | 22.3               | 156.9                  | 2.29                  | 16.11                     |
| 13.0-14.0    | 924.6                     | 23.7               | 180.6                  | 2.43                  | 18.54                     |
| 14.0-15.0    | 908.8                     | 25.0               | 205.5                  | 2.56                  | 21.10                     |
| 15.0-16.0    | 891.3                     | 26.1               | 231.6                  | 2.68                  | 23.78                     |
| 16.0-17.0    | 871.7                     | 27.2               | 258.8                  | 2.79                  | 26.57                     |
| 17.0-18.0    | 849.4                     | 28.0               | 286.8                  | 2.88                  | 29.44                     |
| 18.0-19.0    | 825.1                     | 28.7               | 315.5                  | 2.95                  | 32.39                     |
| 19.0-20.0    | 799.9                     | 29.3               | 344.8                  | 3.01                  | 35.40                     |
| 20.0-21.0    | 773.7                     | 29.7               | 374.5                  | 3.05                  | 38.45                     |
| 21.0-22.0    | 747.2                     | 30.0               | 404.5                  | 3.08                  | 41.53                     |
| 22.0-23.0    | 720.4                     | 30.2               | 434.8                  | 3.10                  | 44.63                     |
| 23.0-24.0    | 691.0                     | 30.2               | 465.0                  | 3.10                  | 47.73                     |
| 24.0-25.0    | 657.8                     | 29.9               | 494.9                  | 3.07                  | 50.81                     |
| 25.0-26.0    | 621.3                     | 29.3               | 524.2                  | 3.01                  | 53.82                     |
| 26.0-27.0    | 583.3                     | 28.5               | 552.8                  | 2.93                  | 56.75                     |
| 27.0-28.0    | 545.1                     | 27.6               | 580.4                  | 2.83                  | 59.58                     |
| 28.0-29.0    | 508.4                     | 26.6               | 607.0                  | 2.73                  | 62.31                     |
| 29.0-30.0    | 474.4                     | 25.6               | 632.6                  | 2.63                  | 64.94                     |
| 30.0-31.0    | 443.0                     | 24.7               | 657.3                  | 2.53                  | 67.47                     |
| 31.0-32.0    | 412.6                     | 23.6               | 680.9                  | 2.43                  | 69.90                     |
| 32.0-33.0    | 383.3                     | 22.6               | 703.5                  | 2.32                  | 72.22                     |
| 33.0-34.0    | 355.3                     | 21.5               | 725.0                  | 2.21                  | 74.42                     |
| 34.0-35.0    | 328.6                     | 20.4               | 745.4                  | 2.09                  | 76.52                     |
| 35.0-36.0    | 304.1                     | 19.4               | 764.7                  | 1.99                  | 78.51                     |

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.655 m [K=1.0000]  
 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    | 280.6                     | 18.3               | 783.1                  | 1.88                  | 80.39                     |
| 37.0-38.0    | 257.9                     | 17.2               | 800.3                  | 1.77                  | 82.15                     |
| 38.0-39.0    | 235.9                     | 16.1               | 816.4                  | 1.65                  | 83.81                     |
| 39.0-40.0    | 214.1                     | 14.9               | 831.3                  | 1.53                  | 85.34                     |
| 40.0-41.0    | 193.4                     | 13.8               | 845.1                  | 1.41                  | 86.75                     |
| 41.0-42.0    | 174.6                     | 12.7               | 857.8                  | 1.30                  | 88.06                     |
| 42.0-43.0    | 157.4                     | 11.7               | 869.4                  | 1.20                  | 89.25                     |
| 43.0-44.0    | 141.8                     | 10.7               | 880.1                  | 1.10                  | 90.35                     |
| 44.0-45.0    | 128.2                     | 9.9                | 890.0                  | 1.01                  | 91.36                     |
| 45.0-46.0    | 116.1                     | 9.1                | 899.1                  | 0.93                  | 92.29                     |
| 46.0-47.0    | 104.9                     | 8.3                | 907.4                  | 0.86                  | 93.15                     |
| 47.0-48.0    | 94.1                      | 7.6                | 915.0                  | 0.78                  | 93.93                     |
| 48.0-49.0    | 83.3                      | 6.8                | 921.9                  | 0.70                  | 94.64                     |
| 49.0-50.0    | 73.0                      | 6.1                | 927.9                  | 0.63                  | 95.26                     |
| 50.0-51.0    | 63.8                      | 5.4                | 933.3                  | 0.55                  | 95.81                     |
| 51.0-52.0    | 55.9                      | 4.8                | 938.1                  | 0.49                  | 96.31                     |
| 52.0-53.0    | 49.1                      | 4.3                | 942.4                  | 0.44                  | 96.75                     |
| 53.0-54.0    | 43.4                      | 3.8                | 946.2                  | 0.39                  | 97.14                     |
| 54.0-55.0    | 38.5                      | 3.4                | 949.7                  | 0.35                  | 97.49                     |
| 55.0-56.0    | 34.1                      | 3.1                | 952.8                  | 0.32                  | 97.81                     |
| 56.0-57.0    | 29.8                      | 2.7                | 955.5                  | 0.28                  | 98.09                     |
| 57.0-58.0    | 25.8                      | 2.4                | 957.9                  | 0.24                  | 98.33                     |
| 58.0-59.0    | 22.0                      | 2.1                | 959.9                  | 0.21                  | 98.54                     |
| 59.0-60.0    | 18.4                      | 1.7                | 961.7                  | 0.18                  | 98.72                     |
| 60.0-61.0    | 15.4                      | 1.5                | 963.1                  | 0.15                  | 98.87                     |
| 61.0-62.0    | 12.9                      | 1.2                | 964.4                  | 0.13                  | 99.00                     |
| 62.0-63.0    | 10.9                      | 1.1                | 965.4                  | 0.11                  | 99.11                     |
| 63.0-64.0    | 9.3                       | 0.9                | 966.4                  | 0.09                  | 99.20                     |
| 64.0-65.0    | 7.9                       | 0.8                | 967.1                  | 0.08                  | 99.28                     |
| 65.0-66.0    | 6.6                       | 0.7                | 967.8                  | 0.07                  | 99.35                     |
| 66.0-67.0    | 5.4                       | 0.5                | 968.3                  | 0.06                  | 99.41                     |
| 67.0-68.0    | 4.4                       | 0.4                | 968.8                  | 0.05                  | 99.45                     |
| 68.0-69.0    | 3.6                       | 0.4                | 969.2                  | 0.04                  | 99.49                     |
| 69.0-70.0    | 3.0                       | 0.3                | 969.5                  | 0.03                  | 99.52                     |
| 70.0-71.0    | 2.5                       | 0.3                | 969.7                  | 0.03                  | 99.55                     |
| 71.0-72.0    | 2.1                       | 0.2                | 969.9                  | 0.02                  | 99.57                     |

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.655 m [K=1.0000]  
 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    | 1.7                       | 0.2                | 970.1                  | 0.02                  | 99.59                     |
| 73.0-74.0    | 1.5                       | 0.2                | 970.3                  | 0.02                  | 99.61                     |
| 74.0-75.0    | 1.3                       | 0.1                | 970.4                  | 0.01                  | 99.62                     |
| 75.0-76.0    | 1.1                       | 0.1                | 970.5                  | 0.01                  | 99.63                     |
| 76.0-77.0    | 1.0                       | 0.1                | 970.6                  | 0.01                  | 99.64                     |
| 77.0-78.0    | 0.9                       | 0.1                | 970.7                  | 0.01                  | 99.65                     |
| 78.0-79.0    | 0.8                       | 0.1                | 970.8                  | 0.01                  | 99.66                     |
| 79.0-80.0    | 0.7                       | 0.1                | 970.9                  | 0.01                  | 99.67                     |
| 80.0-81.0    | 0.7                       | 0.1                | 971.0                  | 0.01                  | 99.68                     |
| 81.0-82.0    | 0.7                       | 0.1                | 971.0                  | 0.01                  | 99.68                     |
| 82.0-83.0    | 0.6                       | 0.1                | 971.1                  | 0.01                  | 99.69                     |
| 83.0-84.0    | 0.5                       | 0.1                | 971.2                  | 0.01                  | 99.70                     |
| 84.0-85.0    | 0.5                       | 0.1                | 971.2                  | 0.01                  | 99.70                     |
| 85.0-86.0    | 0.4                       | 0.0                | 971.3                  | 0.00                  | 99.71                     |
| 86.0-87.0    | 0.4                       | 0.0                | 971.3                  | 0.00                  | 99.71                     |
| 87.0-88.0    | 0.3                       | 0.0                | 971.3                  | 0.00                  | 99.72                     |
| 88.0-89.0    | 0.3                       | 0.0                | 971.4                  | 0.00                  | 99.72                     |
| 89.0-90.0    | 0.3                       | 0.0                | 971.4                  | 0.00                  | 99.72                     |
| 90.0-91.0    | 0.2                       | 0.0                | 971.4                  | 0.00                  | 99.72                     |
| 91.0-92.0    | 0.2                       | 0.0                | 971.5                  | 0.00                  | 99.73                     |
| 92.0-93.0    | 0.2                       | 0.0                | 971.5                  | 0.00                  | 99.73                     |
| 93.0-94.0    | 0.2                       | 0.0                | 971.5                  | 0.00                  | 99.73                     |
| 94.0-95.0    | 0.2                       | 0.0                | 971.5                  | 0.00                  | 99.73                     |
| 95.0-96.0    | 0.2                       | 0.0                | 971.5                  | 0.00                  | 99.74                     |
| 96.0-97.0    | 0.1                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |
| 97.0-98.0    | 0.0                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |
| 98.0-99.0    | 0.0                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |
| 99.0-100.0   | 0.0                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |
| 100.0-101.0  | 0.0                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |
| 101.0-102.0  | 0.0                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |
| 102.0-103.0  | 0.0                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |
| 103.0-104.0  | 0.0                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |
| 104.0-105.0  | 0.0                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |
| 105.0-106.0  | 0.0                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |
| 106.0-107.0  | 0.0                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |
| 107.0-108.0  | 0.0                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.655 m [K=1.0000]  
 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  | 0.0                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |
| 109.0-110.0  | 0.0                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |
| 110.0-111.0  | 0.0                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |
| 111.0-112.0  | 0.0                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |
| 112.0-113.0  | 0.0                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |
| 113.0-114.0  | 0.0                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |
| 114.0-115.0  | 0.0                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |
| 115.0-116.0  | 0.0                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |
| 116.0-117.0  | 0.0                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |
| 117.0-118.0  | 0.0                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |
| 118.0-119.0  | 0.0                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |
| 119.0-120.0  | 0.0                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |
| 120.0-121.0  | 0.0                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |
| 121.0-122.0  | 0.0                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |
| 122.0-123.0  | 0.0                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |
| 123.0-124.0  | 0.0                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |
| 124.0-125.0  | 0.0                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |
| 125.0-126.0  | 0.0                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |
| 126.0-127.0  | 0.0                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |
| 127.0-128.0  | 0.0                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |
| 128.0-129.0  | 0.0                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |
| 129.0-130.0  | 0.0                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |
| 130.0-131.0  | 0.0                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |
| 131.0-132.0  | 0.0                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |
| 132.0-133.0  | 0.0                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |
| 133.0-134.0  | 0.0                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |
| 134.0-135.0  | 0.2                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |
| 135.0-136.0  | 0.3                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |
| 136.0-137.0  | 0.3                       | 0.0                | 971.6                  | 0.00                  | 99.74                     |
| 137.0-138.0  | 0.3                       | 0.0                | 971.6                  | 0.00                  | 99.75                     |
| 138.0-139.0  | 0.3                       | 0.0                | 971.7                  | 0.00                  | 99.75                     |
| 139.0-140.0  | 0.3                       | 0.0                | 971.7                  | 0.00                  | 99.75                     |
| 140.0-141.0  | 0.4                       | 0.0                | 971.7                  | 0.00                  | 99.75                     |
| 141.0-142.0  | 0.5                       | 0.0                | 971.7                  | 0.00                  | 99.76                     |
| 142.0-143.0  | 0.6                       | 0.0                | 971.8                  | 0.00                  | 99.76                     |
| 143.0-144.0  | 0.7                       | 0.0                | 971.8                  | 0.00                  | 99.77                     |

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.655 m [K=1.0000]  
 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  | 0.7                       | 0.0                | 971.9                  | 0.00                  | 99.77                     |
| 145.0-146.0  | 0.8                       | 0.0                | 971.9                  | 0.00                  | 99.78                     |
| 146.0-147.0  | 0.8                       | 0.0                | 972.0                  | 0.01                  | 99.78                     |
| 147.0-148.0  | 0.9                       | 0.1                | 972.0                  | 0.01                  | 99.79                     |
| 148.0-149.0  | 1.1                       | 0.1                | 972.1                  | 0.01                  | 99.79                     |
| 149.0-150.0  | 1.2                       | 0.1                | 972.2                  | 0.01                  | 99.80                     |
| 150.0-151.0  | 1.4                       | 0.1                | 972.2                  | 0.01                  | 99.81                     |
| 151.0-152.0  | 1.6                       | 0.1                | 972.3                  | 0.01                  | 99.82                     |
| 152.0-153.0  | 1.7                       | 0.1                | 972.4                  | 0.01                  | 99.82                     |
| 153.0-154.0  | 1.8                       | 0.1                | 972.5                  | 0.01                  | 99.83                     |
| 154.0-155.0  | 1.9                       | 0.1                | 972.6                  | 0.01                  | 99.84                     |
| 155.0-156.0  | 2.0                       | 0.1                | 972.7                  | 0.01                  | 99.85                     |
| 156.0-157.0  | 2.1                       | 0.1                | 972.8                  | 0.01                  | 99.86                     |
| 157.0-158.0  | 2.1                       | 0.1                | 972.8                  | 0.01                  | 99.87                     |
| 158.0-159.0  | 2.2                       | 0.1                | 972.9                  | 0.01                  | 99.88                     |
| 159.0-160.0  | 2.3                       | 0.1                | 973.0                  | 0.01                  | 99.89                     |
| 160.0-161.0  | 2.4                       | 0.1                | 973.1                  | 0.01                  | 99.90                     |
| 161.0-162.0  | 2.5                       | 0.1                | 973.2                  | 0.01                  | 99.91                     |
| 162.0-163.0  | 2.6                       | 0.1                | 973.3                  | 0.01                  | 99.92                     |
| 163.0-164.0  | 2.6                       | 0.1                | 973.4                  | 0.01                  | 99.92                     |
| 164.0-165.0  | 2.7                       | 0.1                | 973.4                  | 0.01                  | 99.93                     |
| 165.0-166.0  | 2.8                       | 0.1                | 973.5                  | 0.01                  | 99.94                     |
| 166.0-167.0  | 2.9                       | 0.1                | 973.6                  | 0.01                  | 99.95                     |
| 167.0-168.0  | 2.9                       | 0.1                | 973.7                  | 0.01                  | 99.95                     |
| 168.0-169.0  | 3.0                       | 0.1                | 973.7                  | 0.01                  | 99.96                     |
| 169.0-170.0  | 3.1                       | 0.1                | 973.8                  | 0.01                  | 99.97                     |
| 170.0-171.0  | 3.1                       | 0.1                | 973.9                  | 0.01                  | 99.97                     |
| 171.0-172.0  | 3.2                       | 0.1                | 973.9                  | 0.01                  | 99.98                     |
| 172.0-173.0  | 3.2                       | 0.0                | 974.0                  | 0.00                  | 99.98                     |
| 173.0-174.0  | 3.3                       | 0.0                | 974.0                  | 0.00                  | 99.99                     |
| 174.0-175.0  | 3.4                       | 0.0                | 974.0                  | 0.00                  | 99.99                     |
| 175.0-176.0  | 3.4                       | 0.0                | 974.1                  | 0.00                  | 99.99                     |
| 176.0-177.0  | 3.5                       | 0.0                | 974.1                  | 0.00                  | 100.00                    |
| 177.0-178.0  | 3.5                       | 0.0                | 974.1                  | 0.00                  | 100.00                    |
| 178.0-179.0  | 3.5                       | 0.0                | 974.1                  | 0.00                  | 100.00                    |
| 179.0-180.0  | 3.5                       | 0.0                | 974.1                  | 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-1800B  
 Distance: 11.655 m [K=1.0000]  
 Humidity:  
 Inspector:



## Zonal Lumen (Continue 5)

cone flux(90°): 889.98 lm

%lum = 91.4%

%lamp = 91.4%

cone flux(120°): 961.66 lm

%lum = 98.7%

%lamp = 98.7%

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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-1800B

Distance: 11.655 m [K=1.0000]

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  | 1018.3 | 1016.8 | 1017.4 | 1016.9 | 1016.1 | 1016.4 | 1018.3 | 1016.8 | 1017.4 | 1016.9 |
| G1.0  | 1022.5 | 1021.1 | 1019.9 | 1017.6 | 1014.1 | 1011.4 | 1013.5 | 1011.9 | 1013.6 | 1016.1 |
| G2.0  | 1026.9 | 1024.6 | 1022.2 | 1017.9 | 1012.3 | 1006.9 | 1006.5 | 1006.1 | 1009.4 | 1012.3 |
| G3.0  | 1031.2 | 1027.7 | 1024.8 | 1016.6 | 1008.5 | 1001.6 | 998.2  | 999.0  | 1003.2 | 1011.4 |
| G4.0  | 1034.4 | 1029.4 | 1022.6 | 1014.5 | 1004.6 | 994.2  | 990.6  | 989.5  | 998.7  | 1003.9 |
| G5.0  | 1031.9 | 1028.5 | 1021.9 | 1010.6 | 999.0  | 986.5  | 980.3  | 979.5  | 988.3  | 998.3  |
| G6.0  | 1029.7 | 1029.3 | 1019.4 | 1007.3 | 992.3  | 978.0  | 969.4  | 969.6  | 980.1  | 993.2  |
| G7.0  | 1026.4 | 1025.9 | 1014.3 | 1000.8 | 984.2  | 967.2  | 958.1  | 957.2  | 971.8  | 987.1  |
| G8.0  | 1021.8 | 1021.7 | 1009.5 | 993.7  | 973.8  | 955.4  | 944.1  | 945.9  | 962.7  | 980.3  |
| G9.0  | 1017.3 | 1017.3 | 1003.5 | 983.1  | 961.6  | 940.7  | 931.4  | 932.9  | 953.1  | 972.6  |
| G10.0 | 1012.2 | 1014.0 | 997.7  | 975.9  | 949.0  | 928.0  | 916.8  | 921.2  | 941.0  | 963.4  |
| G11.0 | 1005.7 | 1008.3 | 991.2  | 966.8  | 936.3  | 914.2  | 901.3  | 909.1  | 927.1  | 953.3  |
| G12.0 | 998.2  | 1001.1 | 982.5  | 955.6  | 923.8  | 901.0  | 885.6  | 891.8  | 914.1  | 940.1  |
| G13.0 | 988.5  | 995.6  | 971.9  | 943.0  | 911.0  | 884.3  | 870.0  | 873.8  | 895.0  | 927.7  |
| G14.0 | 979.2  | 984.9  | 961.5  | 930.2  | 895.2  | 868.6  | 852.9  | 849.5  | 867.7  | 913.6  |
| G15.0 | 967.6  | 972.8  | 947.8  | 915.3  | 880.6  | 851.8  | 833.4  | 820.7  | 838.3  | 893.7  |
| G16.0 | 958.5  | 962.0  | 938.0  | 901.2  | 865.8  | 836.8  | 808.8  | 787.4  | 803.7  | 865.2  |
| G17.0 | 946.7  | 947.7  | 923.6  | 885.3  | 852.8  | 820.4  | 782.4  | 746.4  | 764.1  | 833.7  |
| G18.0 | 933.4  | 934.8  | 908.1  | 868.5  | 833.0  | 804.5  | 752.1  | 703.7  | 718.0  | 798.3  |
| G19.0 | 920.6  | 921.2  | 893.3  | 851.6  | 817.3  | 785.2  | 718.9  | 661.3  | 672.5  | 755.5  |
| G20.0 | 907.4  | 906.8  | 878.2  | 835.7  | 801.0  | 765.6  | 678.5  | 621.2  | 636.3  | 708.7  |
| G21.0 | 893.7  | 891.0  | 863.1  | 818.5  | 783.3  | 743.9  | 639.0  | 588.7  | 605.4  | 659.1  |
| G22.0 | 878.3  | 876.1  | 848.3  | 800.5  | 762.9  | 719.0  | 600.9  | 557.0  | 574.3  | 622.3  |
| G23.0 | 863.1  | 860.0  | 831.4  | 783.6  | 744.9  | 693.3  | 564.5  | 527.3  | 533.7  | 587.9  |
| G24.0 | 847.5  | 844.0  | 813.5  | 766.0  | 724.3  | 660.1  | 533.3  | 493.5  | 453.6  | 558.4  |
| G25.0 | 827.9  | 826.1  | 795.8  | 746.2  | 701.8  | 627.3  | 502.5  | 442.3  | 368.9  | 509.9  |
| G26.0 | 805.0  | 809.6  | 777.5  | 724.2  | 681.2  | 592.7  | 476.6  | 369.8  | 295.6  | 435.9  |
| G27.0 | 777.5  | 792.2  | 759.5  | 705.3  | 659.9  | 555.3  | 452.7  | 297.3  | 232.5  | 349.7  |
| G28.0 | 747.7  | 775.3  | 737.1  | 683.8  | 636.8  | 520.1  | 423.8  | 242.1  | 191.6  | 272.9  |
| G29.0 | 712.3  | 756.5  | 717.5  | 661.0  | 613.4  | 486.3  | 387.3  | 201.2  | 170.7  | 204.1  |
| G30.0 | 677.8  | 739.0  | 696.0  | 635.0  | 589.3  | 457.4  | 339.0  | 172.8  | 156.0  | 170.4  |
| G31.0 | 637.2  | 718.7  | 676.3  | 612.3  | 559.7  | 427.9  | 293.8  | 153.6  | 138.4  | 154.2  |
| G32.0 | 600.1  | 694.4  | 652.5  | 588.0  | 532.7  | 397.6  | 242.4  | 139.8  | 119.5  | 139.8  |
| G33.0 | 565.9  | 667.9  | 630.1  | 567.1  | 505.1  | 375.6  | 199.0  | 126.7  | 100.8  | 124.1  |
| G34.0 | 531.7  | 639.1  | 608.3  | 542.5  | 473.3  | 352.6  | 168.1  | 111.5  | 81.4   | 106.1  |
| G35.0 | 503.6  | 608.9  | 582.1  | 520.3  | 443.4  | 328.6  | 149.2  | 96.9   | 65.4   | 86.8   |
| G36.0 | 477.3  | 575.4  | 558.7  | 497.8  | 413.4  | 310.9  | 134.7  | 83.5   | 49.7   | 68.4   |

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-1800B  
 Distance: 11.655 m [K=1.0000]  
 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 | 449.5 | 536.6 | 534.9 | 475.3 | 384.7  | 278.7  | 123.6  | 69.3   | 32.2   | 52.2   |
| G38.0 | 416.9 | 502.0 | 510.9 | 449.1 | 354.8  | 250.4  | 112.0  | 55.5   | 23.5   | 38.2   |
| G39.0 | 375.4 | 468.0 | 486.5 | 425.7 | 326.5  | 218.0  | 100.6  | 43.9   | 14.5   | 25.9   |
| G40.0 | 325.8 | 435.9 | 462.6 | 401.5 | 301.0  | 181.2  | 89.5   | 33.0   | 7.4    | 15.2   |
| G41.0 | 281.2 | 404.6 | 436.4 | 378.5 | 277.3  | 154.0  | 79.5   | 24.9   | 3.9    | 9.5    |
| G42.0 | 237.5 | 378.7 | 409.9 | 352.6 | 257.3  | 132.0  | 69.6   | 16.8   | 1.5    | 3.7    |
| G43.0 | 197.6 | 352.9 | 382.2 | 329.4 | 236.6  | 114.6  | 58.4   | 12.6   | 1.2    | 1.4    |
| G44.0 | 166.4 | 330.5 | 351.8 | 306.9 | 217.5  | 100.2  | 51.6   | 7.2    | 0.0    | 0.0    |
| G45.0 | 147.4 | 306.8 | 323.5 | 282.1 | 199.9  | 90.5   | 40.5   | 5.9    | 0.0    | 0.0    |
| G46.0 | 133.3 | 285.0 | 295.5 | 260.8 | 182.1  | 80.7   | 34.2   | 3.9    | 0.0    | 0.0    |
| G47.0 | 121.3 | 261.6 | 270.6 | 237.8 | 164.7  | 70.8   | 25.8   | 3.5    | 0.0    | 0.0    |
| G48.0 | 110.8 | 230.8 | 244.1 | 213.2 | 151.1  | 61.8   | 21.0   | 3.2    | 0.0    | 0.0    |
| G49.0 | 99.8  | 197.3 | 223.8 | 189.1 | 132.3  | 53.7   | 16.2   | 2.9    | 0.0    | 0.0    |
| G50.0 | 89.6  | 167.6 | 203.9 | 165.5 | 113.5  | 46.5   | 12.8   | 2.7    | 0.0    | 0.0    |
| G51.0 | 78.2  | 140.4 | 187.3 | 149.7 | 98.0   | 40.1   | 9.5    | 2.5    | 0.0    | 0.0    |
| G52.0 | 68.7  | 118.3 | 168.9 | 136.4 | 83.6   | 34.9   | 6.6    | 2.3    | 0.0    | 0.0    |
| G53.0 | 57.8  | 102.1 | 152.9 | 125.1 | 71.5   | 30.2   | 5.8    | 2.1    | 0.0    | 0.0    |
| G54.0 | 51.3  | 89.6  | 137.5 | 113.9 | 60.9   | 25.9   | 4.5    | 1.9    | 0.0    | 0.0    |
| G55.0 | 39.5  | 79.8  | 126.6 | 103.9 | 52.7   | 22.0   | 4.2    | 1.7    | 0.0    | 0.0    |
| G56.0 | 34.6  | 71.5  | 112.0 | 95.2  | 45.4   | 17.8   | 3.7    | 1.4    | 0.0    | 0.0    |
| G57.0 | 26.3  | 62.4  | 94.1  | 86.8  | 39.5   | 15.0   | 3.2    | 1.2    | 0.0    | 0.0    |
| G58.0 | 21.8  | 54.9  | 80.3  | 78.3  | 33.6   | 11.8   | 3.0    | 0.9    | 0.0    | 0.0    |
| G59.0 | 16.5  | 47.5  | 67.1  | 66.4  | 28.7   | 9.9    | 2.7    | 0.0    | 0.0    | 0.0    |
| G60.0 | 13.4  | 40.5  | 56.5  | 53.9  | 24.1   | 7.3    | 2.5    | 0.0    | 0.0    | 0.0    |
| G61.0 | 10.2  | 35.4  | 48.5  | 43.2  | 20.4   | 6.3    | 2.2    | 0.0    | 0.0    | 0.0    |
| G62.0 | 7.0   | 31.1  | 41.6  | 36.2  | 17.5   | 4.5    | 2.0    | 0.0    | 0.0    | 0.0    |
| G63.0 | 5.7   | 26.4  | 36.3  | 31.1  | 14.4   | 4.0    | 1.7    | 0.0    | 0.0    | 0.0    |
| G64.0 | 4.3   | 23.0  | 30.7  | 26.4  | 12.3   | 3.5    | 1.4    | 0.0    | 0.0    | 0.0    |
| G65.0 | 3.7   | 18.2  | 26.2  | 22.3  | 10.4   | 3.2    | 1.2    | 0.0    | 0.0    | 0.0    |
| G66.0 | 3.3   | 15.6  | 22.2  | 18.5  | 8.6    | 3.0    | 0.9    | 0.0    | 0.0    | 0.0    |
| G67.0 | 3.0   | 11.9  | 18.4  | 14.6  | 6.9    | 2.7    | 0.0    | 0.0    | 0.0    | 0.0    |
| G68.0 | 2.7   | 10.0  | 15.2  | 11.8  | 5.8    | 2.7    | 0.0    | 0.0    | 0.0    | 0.0    |
| G69.0 | 2.6   | 7.5   | 12.8  | 9.2   | 4.8    | 2.3    | 0.0    | 0.0    | 0.0    | 0.0    |
| G70.0 | 2.2   | 6.3   | 10.9  | 7.2   | 4.1    | 2.1    | 0.0    | 0.0    | 0.0    | 0.0    |
| G71.0 | 1.9   | 4.6   | 9.1   | 6.0   | 3.4    | 1.8    | 0.0    | 0.0    | 0.0    | 0.0    |
| G72.0 | 1.7   | 3.5   | 7.3   | 5.0   | 3.2    | 1.8    | 0.0    | 0.0    | 0.0    | 0.0    |
| G73.0 | 1.4   | 3.1   | 5.9   | 4.2   | 2.8    | 1.6    | 0.0    | 0.0    | 0.0    | 0.0    |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

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  | 1.2  | 2.7   | 4.9   | 3.7   | 2.6    | 1.4    | 0.0    | 0.0    | 0.0    | 0.0    |
| G75.0  | 1.0  | 2.4   | 4.1   | 3.4   | 2.5    | 1.3    | 0.0    | 0.0    | 0.0    | 0.0    |
| G76.0  | 0.0  | 2.2   | 3.5   | 3.1   | 2.3    | 1.1    | 0.0    | 0.0    | 0.0    | 0.0    |
| G77.0  | 0.0  | 2.0   | 3.3   | 2.9   | 2.2    | 0.9    | 0.0    | 0.0    | 0.0    | 0.0    |
| G78.0  | 0.0  | 1.8   | 3.1   | 2.8   | 2.1    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G79.0  | 0.0  | 1.6   | 2.9   | 2.7   | 1.9    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G80.0  | 0.0  | 1.6   | 2.7   | 2.7   | 1.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G81.0  | 0.0  | 1.4   | 2.6   | 2.5   | 1.7    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G82.0  | 0.0  | 1.3   | 2.5   | 2.4   | 1.6    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G83.0  | 0.0  | 1.1   | 2.5   | 2.3   | 1.5    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G84.0  | 0.0  | 0.0   | 2.3   | 2.1   | 1.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G85.0  | 0.0  | 0.0   | 2.1   | 2.1   | 1.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G86.0  | 0.0  | 0.0   | 2.0   | 1.9   | 1.1    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G87.0  | 0.0  | 0.0   | 1.9   | 1.8   | 1.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G88.0  | 0.0  | 0.0   | 1.8   | 1.6   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G89.0  | 0.0  | 0.0   | 1.6   | 1.6   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G90.0  | 0.0  | 0.0   | 1.6   | 1.5   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G91.0  | 0.0  | 0.0   | 1.3   | 1.4   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G92.0  | 0.0  | 0.0   | 1.3   | 1.5   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G93.0  | 0.0  | 0.0   | 1.3   | 1.4   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G94.0  | 0.0  | 0.0   | 1.2   | 1.1   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G95.0  | 0.0  | 0.0   | 1.1   | 1.1   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G96.0  | 0.0  | 0.0   | 1.0   | 1.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G97.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G98.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G99.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G100.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G101.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G102.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G103.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G104.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G105.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G106.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G107.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G108.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G109.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G110.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.655 m [K=1.0000]  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 3)

Unit: cd

| G\C    | C0.0 | C30.0 | C60.0 | C90.0 | C120.0 | C150.0 | C180.0 | C210.0 | C240.0 | C270.0 |
|--------|------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| G111.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G112.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G113.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G114.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G115.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G116.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G117.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G118.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G119.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G120.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G121.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G122.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G123.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G124.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G125.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G126.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G127.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G128.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G129.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G130.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G131.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G132.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G133.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| G134.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.9    |
| G135.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 1.0    | 1.0    | 1.0    |
| G136.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 1.0    | 0.9    | 1.1    |
| G137.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 1.2    | 1.1    | 1.2    |
| G138.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 1.1    | 1.3    | 1.3    |
| G139.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 1.2    | 1.3    | 1.3    |
| G140.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 1.2    | 1.3    | 1.4    |
| G141.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 1.0    | 1.0    | 1.4    | 1.4    | 1.5    |
| G142.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 1.0    | 1.0    | 1.5    | 1.5    | 1.6    |
| G143.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 1.2    | 1.1    | 1.7    | 1.5    | 1.6    |
| G144.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 1.3    | 1.3    | 1.6    | 1.6    | 1.8    |
| G145.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 1.4    | 1.4    | 1.6    | 1.5    | 1.9    |
| G146.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 1.4    | 1.5    | 1.9    | 1.6    | 1.8    |
| G147.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0    | 1.4    | 1.6    | 2.1    | 1.7    | 2.0    |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

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 | 0.0  | 0.0   | 0.0   | 0.0   | 0.9    | 1.5    | 1.6    | 2.0    | 1.8    | 2.1    |
| G149.0 | 0.0  | 0.0   | 0.0   | 0.0   | 1.0    | 1.7    | 1.7    | 2.1    | 2.0    | 2.2    |
| G150.0 | 0.0  | 0.0   | 0.0   | 1.1   | 1.0    | 1.7    | 1.7    | 2.0    | 2.0    | 2.3    |
| G151.0 | 1.1  | 1.0   | 0.0   | 1.1   | 1.2    | 1.9    | 2.0    | 2.2    | 2.1    | 2.5    |
| G152.0 | 1.2  | 1.1   | 0.0   | 1.2   | 1.4    | 2.0    | 2.0    | 2.3    | 2.2    | 2.6    |
| G153.0 | 1.2  | 1.2   | 1.1   | 1.5   | 1.5    | 2.1    | 2.0    | 2.4    | 2.4    | 2.7    |
| G154.0 | 1.5  | 1.3   | 1.2   | 1.5   | 1.6    | 2.1    | 2.0    | 2.5    | 2.3    | 2.7    |
| G155.0 | 1.6  | 1.4   | 1.2   | 1.6   | 1.6    | 2.1    | 2.2    | 2.6    | 2.5    | 2.7    |
| G156.0 | 1.6  | 1.4   | 1.3   | 1.6   | 1.8    | 2.2    | 2.4    | 2.7    | 2.5    | 2.9    |
| G157.0 | 1.8  | 1.4   | 1.5   | 1.7   | 1.8    | 2.3    | 2.4    | 2.9    | 2.5    | 2.9    |
| G158.0 | 1.8  | 1.4   | 1.6   | 1.6   | 1.9    | 2.4    | 2.5    | 2.9    | 2.6    | 3.0    |
| G159.0 | 1.9  | 1.5   | 1.7   | 1.8   | 2.1    | 2.4    | 2.5    | 3.1    | 2.6    | 3.2    |
| G160.0 | 2.0  | 1.6   | 1.7   | 1.9   | 2.1    | 2.6    | 2.4    | 3.2    | 2.8    | 3.3    |
| G161.0 | 2.0  | 1.7   | 1.8   | 2.1   | 2.3    | 2.7    | 2.6    | 3.2    | 3.0    | 3.1    |
| G162.0 | 2.1  | 1.9   | 1.9   | 2.2   | 2.3    | 2.8    | 2.7    | 3.2    | 3.2    | 3.2    |
| G163.0 | 2.2  | 2.0   | 1.9   | 2.3   | 2.3    | 2.8    | 2.5    | 3.3    | 3.3    | 3.2    |
| G164.0 | 2.3  | 2.0   | 2.0   | 2.4   | 2.4    | 2.9    | 2.6    | 3.3    | 3.3    | 3.2    |
| G165.0 | 2.4  | 2.2   | 2.1   | 2.4   | 2.8    | 2.9    | 2.9    | 3.5    | 3.3    | 3.3    |
| G166.0 | 2.5  | 2.2   | 2.1   | 2.5   | 2.7    | 3.1    | 2.9    | 3.5    | 3.3    | 3.4    |
| G167.0 | 2.6  | 2.3   | 2.3   | 2.6   | 2.8    | 3.0    | 2.8    | 3.5    | 3.4    | 3.4    |
| G168.0 | 2.7  | 2.4   | 2.4   | 2.6   | 3.0    | 3.0    | 3.1    | 3.5    | 3.4    | 3.4    |
| G169.0 | 2.8  | 2.3   | 2.7   | 2.7   | 3.0    | 3.3    | 3.1    | 3.5    | 3.4    | 3.4    |
| G170.0 | 2.8  | 2.6   | 2.7   | 2.9   | 3.2    | 3.3    | 3.0    | 3.8    | 3.3    | 3.6    |
| G171.0 | 2.9  | 2.6   | 2.6   | 2.9   | 3.3    | 3.3    | 3.2    | 3.6    | 3.4    | 3.5    |
| G172.0 | 2.8  | 2.6   | 2.8   | 3.2   | 3.3    | 3.5    | 3.2    | 3.6    | 3.5    | 3.5    |
| G173.0 | 2.9  | 2.7   | 2.8   | 3.3   | 3.4    | 3.5    | 3.3    | 3.8    | 3.6    | 3.6    |
| G174.0 | 3.1  | 2.8   | 3.0   | 3.4   | 3.5    | 3.6    | 3.3    | 3.8    | 3.5    | 3.7    |
| G175.0 | 3.3  | 2.9   | 3.1   | 3.4   | 3.6    | 3.7    | 3.3    | 3.7    | 3.6    | 3.6    |
| G176.0 | 3.3  | 3.1   | 3.1   | 3.6   | 3.6    | 3.7    | 3.4    | 3.7    | 3.6    | 3.7    |
| G177.0 | 3.4  | 3.1   | 3.1   | 3.6   | 3.8    | 3.7    | 3.5    | 3.8    | 3.6    | 3.8    |
| G178.0 | 3.4  | 3.3   | 3.4   | 3.7   | 3.8    | 3.5    | 3.5    | 3.7    | 3.6    | 3.7    |
| G179.0 | 3.5  | 3.4   | 3.5   | 3.7   | 3.7    | 3.4    | 3.4    | 3.5    | 3.6    | 3.6    |
| G180.0 | 3.5  | 3.3   | 3.7   | 3.7   | 3.8    | 3.4    | 3.5    | 3.5    | 3.6    | 3.7    |
|        |      |       |       |       |        |        |        |        |        |        |
|        |      |       |       |       |        |        |        |        |        |        |
|        |      |       |       |       |        |        |        |        |        |        |
|        |      |       |       |       |        |        |        |        |        |        |

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.655 m [K=1.0000]  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 5)

Unit: cd

|       |        |        |        |  |  |  |  |  |  |  |
|-------|--------|--------|--------|--|--|--|--|--|--|--|
| G\C   | C300.0 | C330.0 | C360.0 |  |  |  |  |  |  |  |
| G0.0  | 1016.1 | 1016.4 | 1018.3 |  |  |  |  |  |  |  |
| G1.0  | 1017.5 | 1020.2 | 1022.5 |  |  |  |  |  |  |  |
| G2.0  | 1016.9 | 1022.3 | 1026.9 |  |  |  |  |  |  |  |
| G3.0  | 1015.4 | 1023.3 | 1031.2 |  |  |  |  |  |  |  |
| G4.0  | 1014.8 | 1021.7 | 1034.4 |  |  |  |  |  |  |  |
| G5.0  | 1009.3 | 1019.3 | 1031.9 |  |  |  |  |  |  |  |
| G6.0  | 1002.8 | 1016.1 | 1029.7 |  |  |  |  |  |  |  |
| G7.0  | 998.8  | 1012.5 | 1026.4 |  |  |  |  |  |  |  |
| G8.0  | 993.7  | 1006.9 | 1021.8 |  |  |  |  |  |  |  |
| G9.0  | 987.7  | 999.3  | 1017.3 |  |  |  |  |  |  |  |
| G10.0 | 980.8  | 993.8  | 1012.2 |  |  |  |  |  |  |  |
| G11.0 | 970.3  | 987.0  | 1005.7 |  |  |  |  |  |  |  |
| G12.0 | 961.9  | 981.0  | 998.2  |  |  |  |  |  |  |  |
| G13.0 | 950.3  | 972.5  | 988.5  |  |  |  |  |  |  |  |
| G14.0 | 939.5  | 963.3  | 979.2  |  |  |  |  |  |  |  |
| G15.0 | 928.7  | 953.5  | 967.6  |  |  |  |  |  |  |  |
| G16.0 | 917.0  | 942.6  | 958.5  |  |  |  |  |  |  |  |
| G17.0 | 899.4  | 931.8  | 946.7  |  |  |  |  |  |  |  |
| G18.0 | 879.1  | 916.9  | 933.4  |  |  |  |  |  |  |  |
| G19.0 | 851.9  | 903.9  | 920.6  |  |  |  |  |  |  |  |
| G20.0 | 817.6  | 886.3  | 907.4  |  |  |  |  |  |  |  |
| G21.0 | 774.2  | 865.5  | 893.7  |  |  |  |  |  |  |  |
| G22.0 | 728.8  | 839.8  | 878.3  |  |  |  |  |  |  |  |
| G23.0 | 681.2  | 809.8  | 863.1  |  |  |  |  |  |  |  |
| G24.0 | 641.0  | 768.6  | 847.5  |  |  |  |  |  |  |  |
| G25.0 | 605.0  | 729.6  | 827.9  |  |  |  |  |  |  |  |
| G26.0 | 573.2  | 686.8  | 805.0  |  |  |  |  |  |  |  |
| G27.0 | 541.3  | 646.8  | 777.5  |  |  |  |  |  |  |  |
| G28.0 | 470.4  | 610.5  | 747.7  |  |  |  |  |  |  |  |
| G29.0 | 398.2  | 582.0  | 712.3  |  |  |  |  |  |  |  |
| G30.0 | 310.1  | 553.3  | 677.8  |  |  |  |  |  |  |  |
| G31.0 | 240.3  | 522.8  | 637.2  |  |  |  |  |  |  |  |
| G32.0 | 197.1  | 462.4  | 600.1  |  |  |  |  |  |  |  |
| G33.0 | 173.1  | 396.4  | 565.9  |  |  |  |  |  |  |  |
| G34.0 | 158.1  | 321.9  | 531.7  |  |  |  |  |  |  |  |
| G35.0 | 142.4  | 263.0  | 503.6  |  |  |  |  |  |  |  |
| G36.0 | 125.4  | 212.3  | 477.3  |  |  |  |  |  |  |  |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

## Candlepower Table (Continue 6)

Unit: cd

| G\C   | C300.0 | C330.0 | C360.0 |  |  |  |  |  |  |  |
|-------|--------|--------|--------|--|--|--|--|--|--|--|
| G37.0 | 106.4  | 184.2  | 449.5  |  |  |  |  |  |  |  |
| G38.0 | 85.0   | 162.8  | 416.9  |  |  |  |  |  |  |  |
| G39.0 | 66.6   | 148.4  | 375.4  |  |  |  |  |  |  |  |
| G40.0 | 50.3   | 135.0  | 325.8  |  |  |  |  |  |  |  |
| G41.0 | 35.5   | 118.0  | 281.2  |  |  |  |  |  |  |  |
| G42.0 | 24.5   | 103.4  | 237.5  |  |  |  |  |  |  |  |
| G43.0 | 15.2   | 87.3   | 197.6  |  |  |  |  |  |  |  |
| G44.0 | 7.0    | 74.6   | 166.4  |  |  |  |  |  |  |  |
| G45.0 | 4.3    | 61.6   | 147.4  |  |  |  |  |  |  |  |
| G46.0 | 0.0    | 47.5   | 133.3  |  |  |  |  |  |  |  |
| G47.0 | 0.0    | 38.0   | 121.3  |  |  |  |  |  |  |  |
| G48.0 | 0.0    | 28.9   | 110.8  |  |  |  |  |  |  |  |
| G49.0 | 0.0    | 20.2   | 99.8   |  |  |  |  |  |  |  |
| G50.0 | 0.0    | 15.3   | 89.6   |  |  |  |  |  |  |  |
| G51.0 | 0.0    | 9.1    | 78.2   |  |  |  |  |  |  |  |
| G52.0 | 0.0    | 6.7    | 68.7   |  |  |  |  |  |  |  |
| G53.0 | 0.0    | 4.9    | 57.8   |  |  |  |  |  |  |  |
| G54.0 | 0.0    | 3.6    | 51.3   |  |  |  |  |  |  |  |
| G55.0 | 0.0    | 3.3    | 39.5   |  |  |  |  |  |  |  |
| G56.0 | 0.0    | 2.9    | 34.6   |  |  |  |  |  |  |  |
| G57.0 | 0.0    | 2.7    | 26.3   |  |  |  |  |  |  |  |
| G58.0 | 0.0    | 2.6    | 21.8   |  |  |  |  |  |  |  |
| G59.0 | 0.0    | 2.5    | 16.5   |  |  |  |  |  |  |  |
| G60.0 | 0.0    | 2.2    | 13.4   |  |  |  |  |  |  |  |
| G61.0 | 0.0    | 2.0    | 10.2   |  |  |  |  |  |  |  |
| G62.0 | 0.0    | 1.8    | 7.0    |  |  |  |  |  |  |  |
| G63.0 | 0.0    | 1.5    | 5.7    |  |  |  |  |  |  |  |
| G64.0 | 0.0    | 1.4    | 4.3    |  |  |  |  |  |  |  |
| G65.0 | 0.0    | 1.2    | 3.7    |  |  |  |  |  |  |  |
| G66.0 | 0.0    | 0.0    | 3.3    |  |  |  |  |  |  |  |
| G67.0 | 0.0    | 0.0    | 3.0    |  |  |  |  |  |  |  |
| G68.0 | 0.0    | 0.0    | 2.7    |  |  |  |  |  |  |  |
| G69.0 | 0.0    | 0.0    | 2.6    |  |  |  |  |  |  |  |
| G70.0 | 0.0    | 0.0    | 2.2    |  |  |  |  |  |  |  |
| G71.0 | 0.0    | 0.0    | 1.9    |  |  |  |  |  |  |  |
| G72.0 | 0.0    | 0.0    | 1.7    |  |  |  |  |  |  |  |
| G73.0 | 0.0    | 0.0    | 1.4    |  |  |  |  |  |  |  |

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-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:



### Candlepower Table (Continue 7)

Unit: cd

| G\C    | C300.0 | C330.0 | C360.0 |  |  |  |  |  |  |  |
|--------|--------|--------|--------|--|--|--|--|--|--|--|
| G74.0  | 0.0    | 0.0    | 1.2    |  |  |  |  |  |  |  |
| G75.0  | 0.0    | 0.0    | 1.0    |  |  |  |  |  |  |  |
| G76.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G77.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G78.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G79.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G80.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G81.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G82.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G83.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G84.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G85.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G86.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G87.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G88.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G89.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G90.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G91.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G92.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G93.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G94.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G95.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G96.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G97.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G98.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G99.0  | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G100.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G101.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G102.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G103.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G104.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G105.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G106.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G107.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G108.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G109.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G110.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.655 m [K=1.0000]  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 8)

Unit: cd

| G\C    | C300.0 | C330.0 | C360.0 |  |  |  |  |  |  |  |
|--------|--------|--------|--------|--|--|--|--|--|--|--|
| G111.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G112.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G113.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G114.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G115.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G116.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G117.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G118.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G119.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G120.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G121.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G122.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G123.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G124.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G125.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G126.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G127.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G128.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G129.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G130.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G131.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G132.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G133.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G134.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G135.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G136.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G137.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G138.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G139.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G140.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G141.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G142.0 | 0.0    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G143.0 | 1.1    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G144.0 | 1.3    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G145.0 | 1.2    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G146.0 | 1.2    | 0.0    | 0.0    |  |  |  |  |  |  |  |
| G147.0 | 1.4    | 0.0    | 0.0    |  |  |  |  |  |  |  |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

## Candlepower Table (Continue 9)

Unit: cd

| G\C    | C300.0 | C330.0 | C360.0 |  |  |  |  |  |  |  |
|--------|--------|--------|--------|--|--|--|--|--|--|--|
| G148.0 | 1.5    | 1.1    | 0.0    |  |  |  |  |  |  |  |
| G149.0 | 1.6    | 1.0    | 0.0    |  |  |  |  |  |  |  |
| G150.0 | 1.7    | 1.2    | 0.0    |  |  |  |  |  |  |  |
| G151.0 | 1.8    | 1.3    | 1.1    |  |  |  |  |  |  |  |
| G152.0 | 1.9    | 1.5    | 1.2    |  |  |  |  |  |  |  |
| G153.0 | 2.0    | 1.6    | 1.2    |  |  |  |  |  |  |  |
| G154.0 | 2.1    | 1.7    | 1.5    |  |  |  |  |  |  |  |
| G155.0 | 2.1    | 1.8    | 1.6    |  |  |  |  |  |  |  |
| G156.0 | 2.0    | 1.8    | 1.6    |  |  |  |  |  |  |  |
| G157.0 | 2.2    | 1.9    | 1.8    |  |  |  |  |  |  |  |
| G158.0 | 2.3    | 2.0    | 1.8    |  |  |  |  |  |  |  |
| G159.0 | 2.3    | 2.1    | 1.9    |  |  |  |  |  |  |  |
| G160.0 | 2.4    | 2.4    | 2.0    |  |  |  |  |  |  |  |
| G161.0 | 2.6    | 2.5    | 2.0    |  |  |  |  |  |  |  |
| G162.0 | 2.7    | 2.6    | 2.1    |  |  |  |  |  |  |  |
| G163.0 | 2.6    | 2.8    | 2.2    |  |  |  |  |  |  |  |
| G164.0 | 2.8    | 2.8    | 2.3    |  |  |  |  |  |  |  |
| G165.0 | 2.9    | 2.8    | 2.4    |  |  |  |  |  |  |  |
| G166.0 | 2.9    | 2.9    | 2.5    |  |  |  |  |  |  |  |
| G167.0 | 2.9    | 3.1    | 2.6    |  |  |  |  |  |  |  |
| G168.0 | 3.1    | 3.2    | 2.7    |  |  |  |  |  |  |  |
| G169.0 | 3.1    | 3.3    | 2.8    |  |  |  |  |  |  |  |
| G170.0 | 3.0    | 3.3    | 2.8    |  |  |  |  |  |  |  |
| G171.0 | 3.1    | 3.1    | 2.9    |  |  |  |  |  |  |  |
| G172.0 | 3.2    | 3.4    | 2.8    |  |  |  |  |  |  |  |
| G173.0 | 3.1    | 3.4    | 2.9    |  |  |  |  |  |  |  |
| G174.0 | 3.3    | 3.4    | 3.1    |  |  |  |  |  |  |  |
| G175.0 | 3.3    | 3.5    | 3.3    |  |  |  |  |  |  |  |
| G176.0 | 3.3    | 3.5    | 3.3    |  |  |  |  |  |  |  |
| G177.0 | 3.3    | 3.5    | 3.4    |  |  |  |  |  |  |  |
| G178.0 | 3.4    | 3.5    | 3.4    |  |  |  |  |  |  |  |
| G179.0 | 3.6    | 3.5    | 3.5    |  |  |  |  |  |  |  |
| G180.0 | 3.2    | 3.6    | 3.5    |  |  |  |  |  |  |  |
|        |        |        |        |  |  |  |  |  |  |  |
|        |        |        |        |  |  |  |  |  |  |  |
|        |        |        |        |  |  |  |  |  |  |  |
|        |        |        |        |  |  |  |  |  |  |  |

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.655 m [K=1.0000]  
 Humidity:  
 Inspector:

## LED Average Luminance Report

| Avg.L           | cd/m <sup>2</sup> |
|-----------------|-------------------|
| L 0-180(65) av  | 1.#J              |
| L 0-180(75) av  | 1.#J              |
| L 0-180(85) av  | -1.#J             |
| L 90-270(65) av | 1.#J              |
| L 90-270(75) av | 1.#J              |
| L 90-270(85) av | 1.#J              |
| L 45(65) av     | 1.#J              |
| L 45(75) av     | 1.#J              |
| L 45(85) av     | 1.#J              |

Standard: GB/T 29293-2012

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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-1800B  
Distance: 11.655 m [K=1.0000]  
Humidity:  
Inspector: