

Report No.:

Test Time: 2021/2/6 星期六 14:29

## Luminaire Property

Luminaire Manufacturer:

Voltage: 120.6 V

Power: 59.32 W

Current: 0.492 A

Power Factor: 0.998

## Photometric Results

IES Classification: Type V

Total Rated Lamp Lumens: 8732.5 lm

Efficiency: 100%

Upward Ratio: 1%

Central Intensity: 982.56 cd

Pos of Max. Intensity: H225 V65

Longitudinal Classification: Short

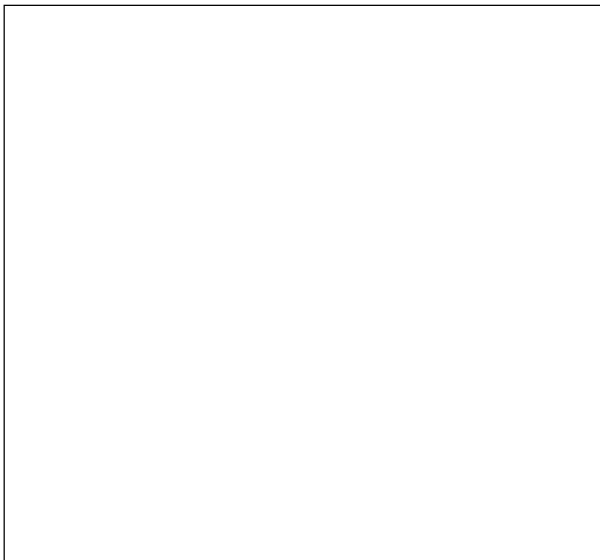
Measurement Flux: 8732.5 lm

Downward Ratio: 99%

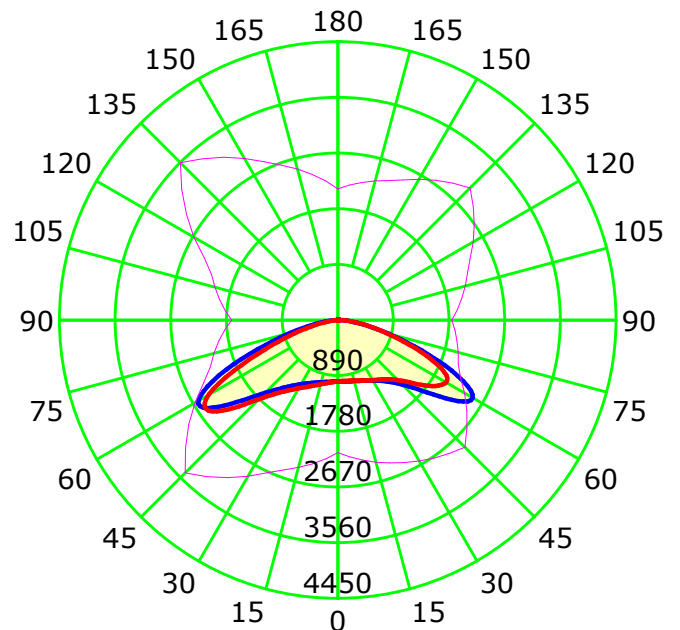
Luminaire Efficacy Rating (LER): 147.26

Max. Intensity: 3560.2 cd

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 139.9°

— C0-C180 — C90-C270 — G65

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

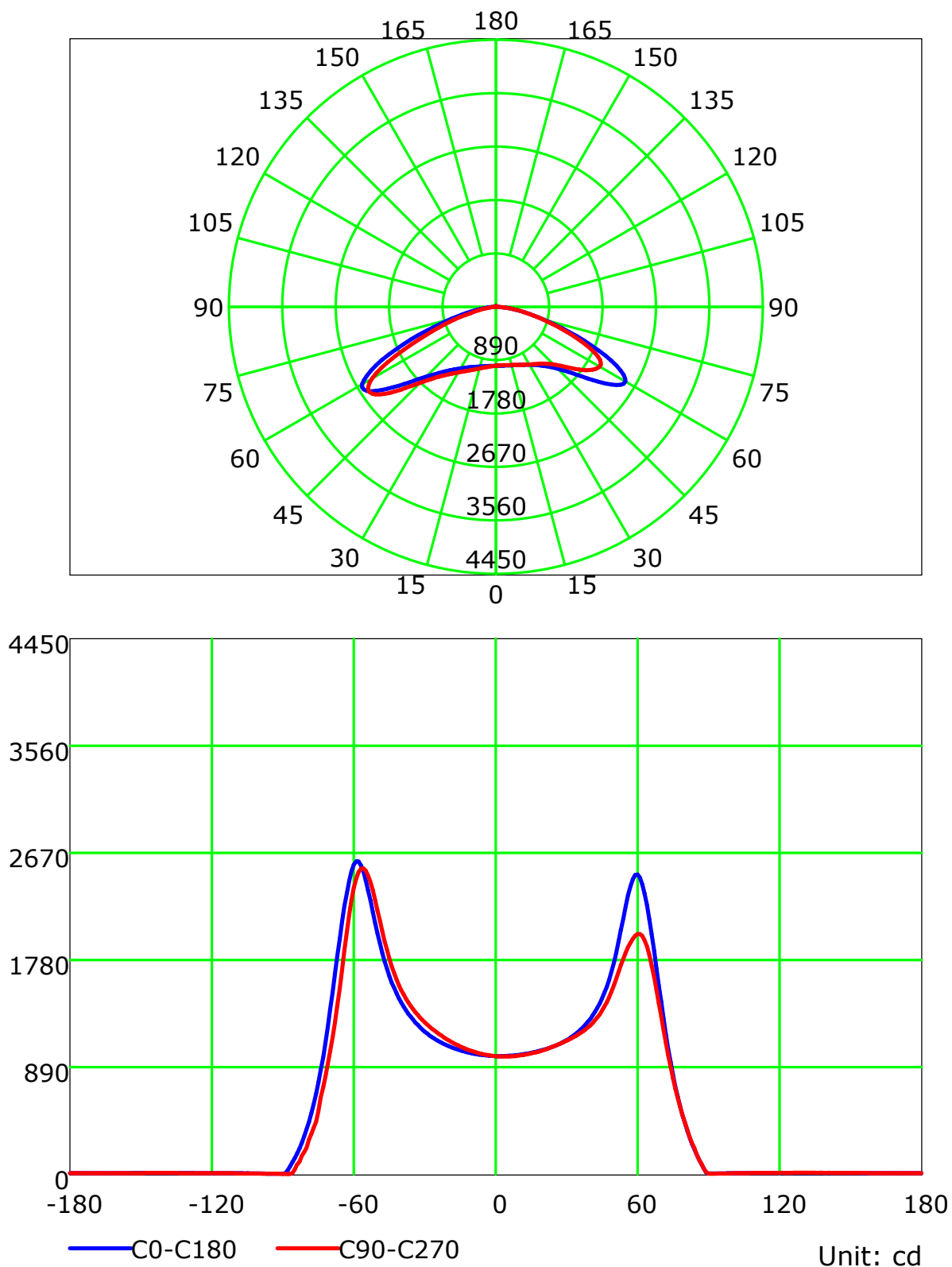
Test Device: GPM-1800B

Distance: 8.190 m

Humidity:

Inspector:

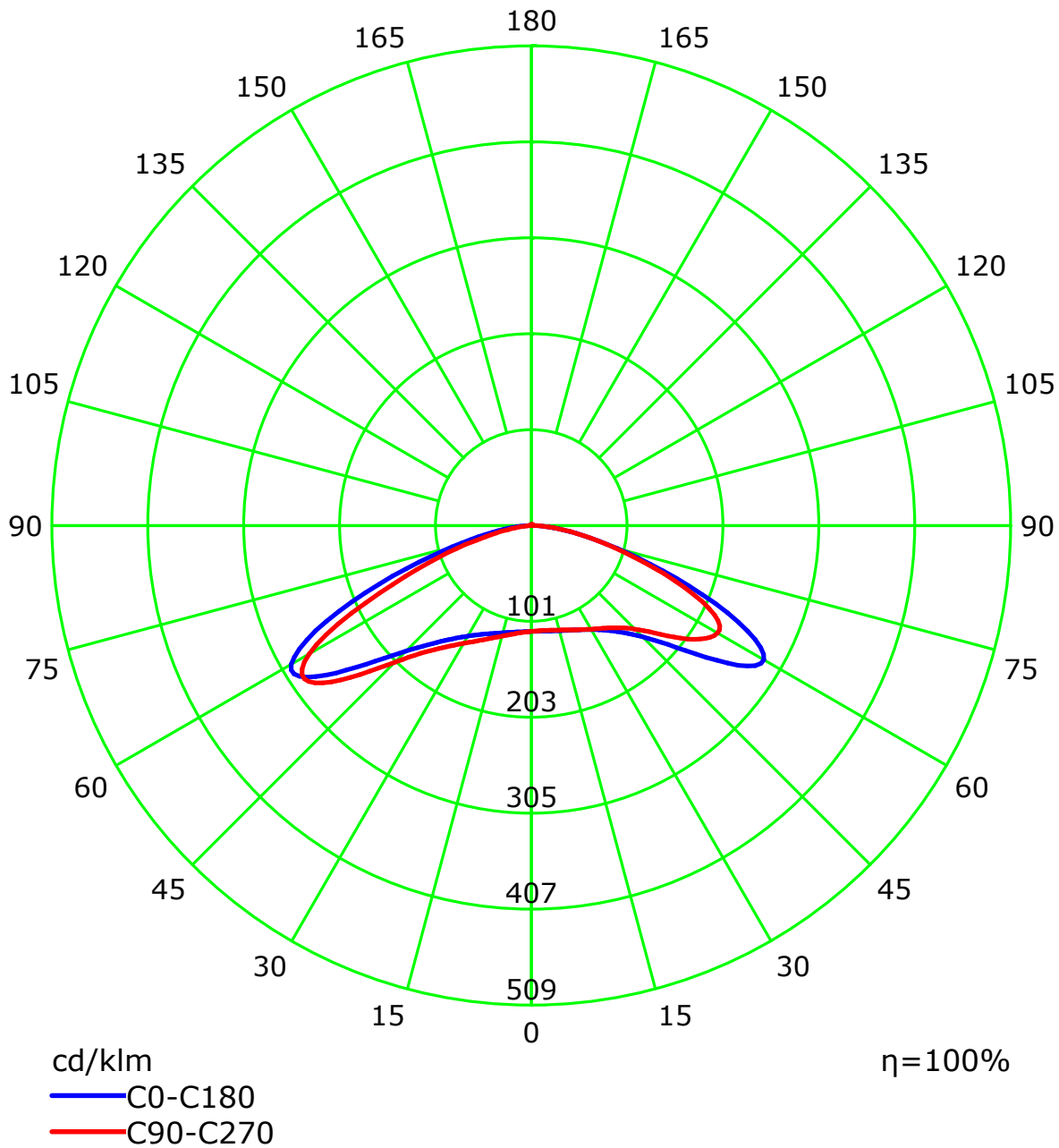
## Luminous Intensity Distribution Curve



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

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 8.190 m  
Humidity:  
Inspector:

## Luminous Intensity Distribution Curve(cd/klm)



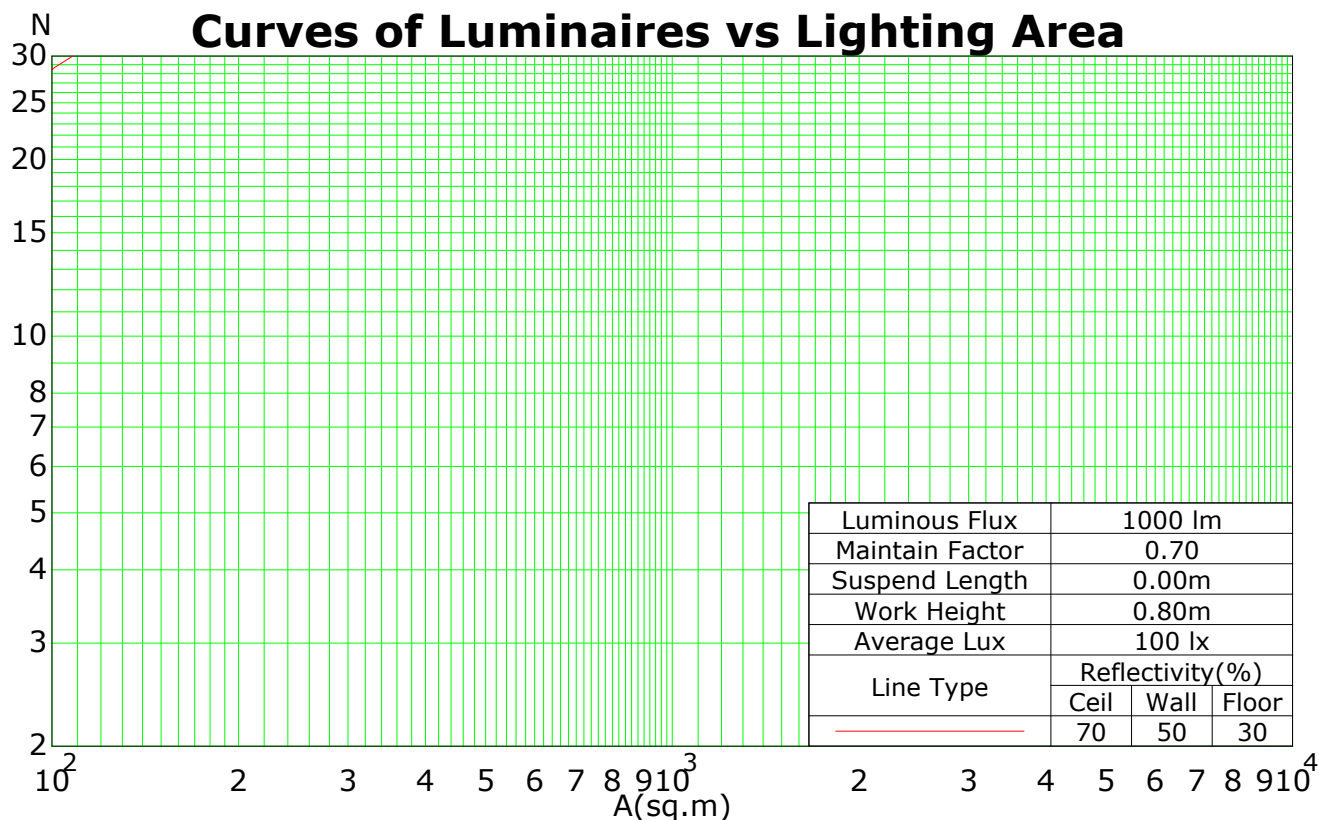
C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 8.190 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   | 119      | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 101 | 101 | 101 | 99 |
| 1   | 105      | 99  | 93  | 88  | 102 | 96  | 91  | 86  | 92  | 87  | 83  | 87  | 84  | 81  | 84  | 81  | 78  | 76 |
| 2   | 92       | 81  | 72  | 65  | 89  | 79  | 71  | 64  | 75  | 68  | 62  | 72  | 66  | 61  | 68  | 63  | 59  | 56 |
| 3   | 81       | 68  | 57  | 49  | 78  | 66  | 56  | 48  | 63  | 54  | 47  | 60  | 52  | 46  | 57  | 51  | 45  | 43 |
| 4   | 73       | 58  | 47  | 38  | 70  | 56  | 46  | 38  | 53  | 44  | 37  | 51  | 43  | 36  | 48  | 41  | 36  | 33 |
| 5   | 65       | 50  | 39  | 31  | 63  | 48  | 38  | 30  | 46  | 37  | 30  | 44  | 36  | 29  | 42  | 35  | 29  | 26 |
| 6   | 60       | 44  | 33  | 25  | 57  | 42  | 32  | 25  | 40  | 31  | 24  | 38  | 30  | 24  | 37  | 29  | 24  | 21 |
| 7   | 55       | 39  | 28  | 21  | 53  | 38  | 28  | 21  | 36  | 27  | 21  | 34  | 26  | 20  | 33  | 25  | 20  | 18 |
| 8   | 50       | 35  | 25  | 18  | 49  | 34  | 24  | 18  | 32  | 24  | 18  | 31  | 23  | 17  | 30  | 22  | 17  | 15 |
| 9   | 47       | 31  | 22  | 16  | 45  | 31  | 22  | 15  | 29  | 21  | 15  | 28  | 21  | 15  | 27  | 20  | 15  | 13 |
| 10  | 44       | 29  | 20  | 14  | 42  | 28  | 19  | 14  | 27  | 19  | 13  | 26  | 18  | 13  | 25  | 18  | 13  | 11 |

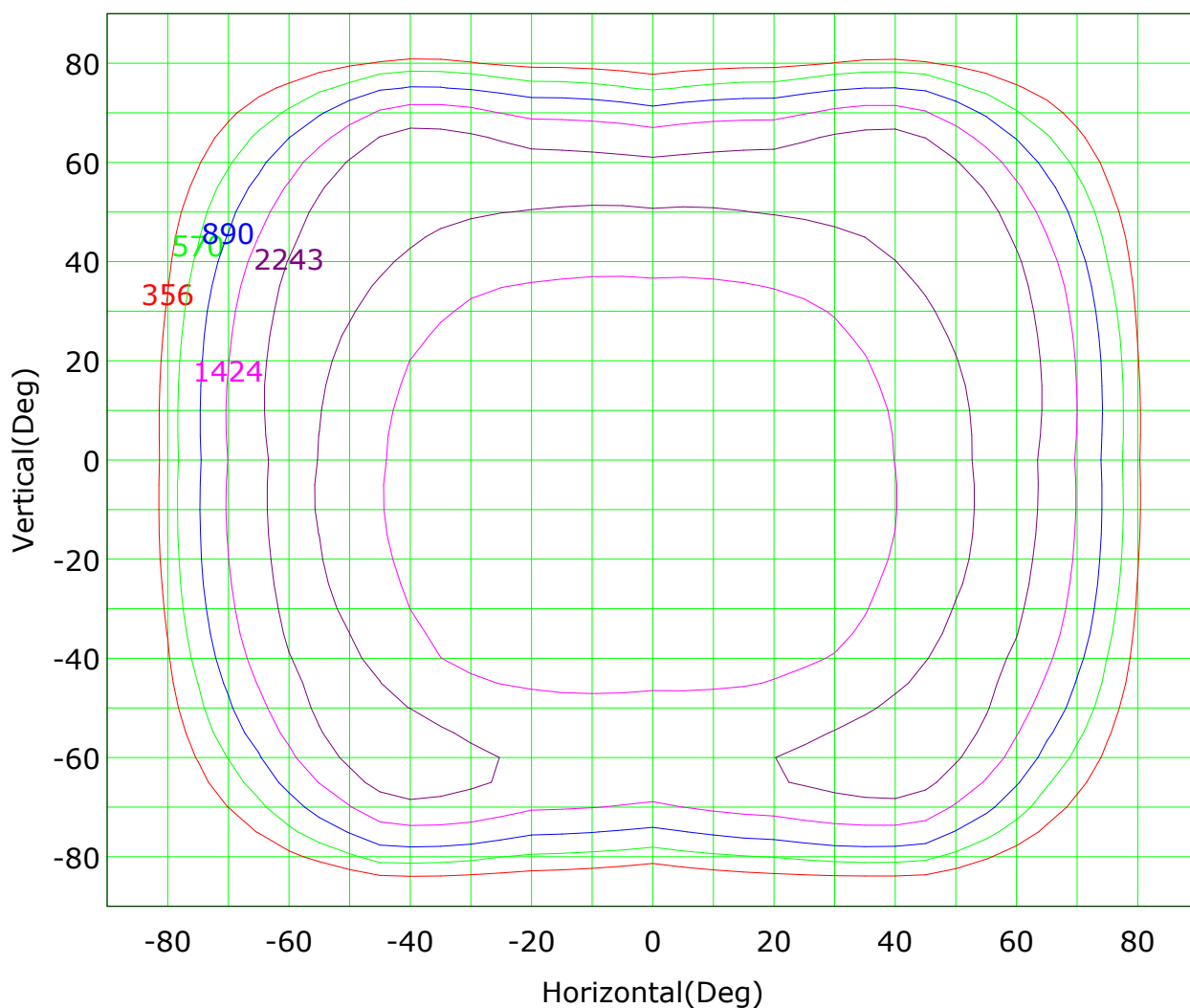
Spacing Criteria (0-180): 2.46  
 Spacing Criteria (90-270): 2.44  
 Spacing Criteria (Diagonal): 3.02



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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 8.190 m  
 Humidity:  
 Inspector:

## Isocandela (rectangle)



Imax (100%): 3560 cd

|                 |                 |
|-----------------|-----------------|
| ( 10%): 356 cd  | ( 16%): 570 cd  |
| ( 25%): 890 cd  | ( 40%): 1424 cd |
| ( 63%): 2243 cd | (100%): 3560 cd |

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

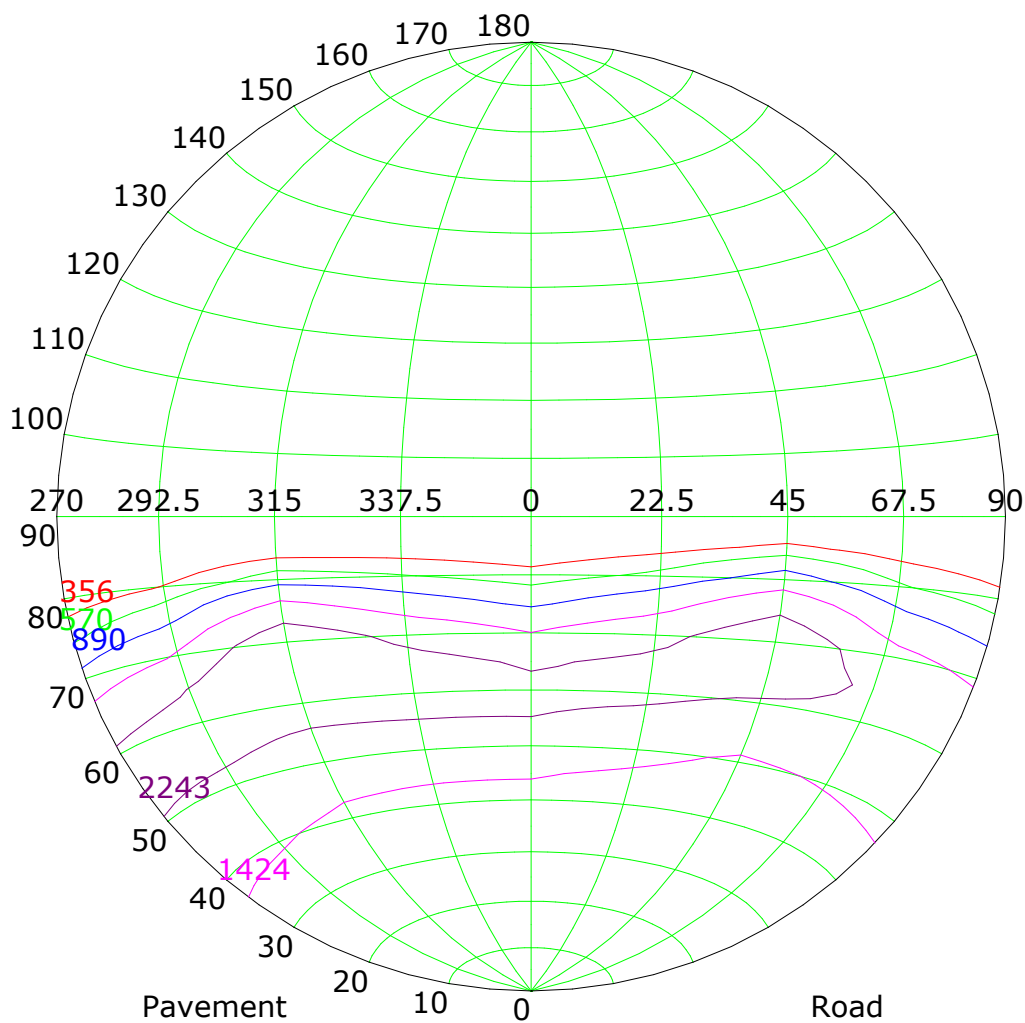
Test Device: GPM-1800B

Distance: 8.190 m

Humidity:

Inspector:

## Isocandela (sphere)



Imax (100%): 3560 cd

|                 |                 |
|-----------------|-----------------|
| ( 10%): 356 cd  | ( 16%): 570 cd  |
| ( 25%): 890 cd  | ( 40%): 1424 cd |
| ( 63%): 2243 cd | (100%): 3560 cd |

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

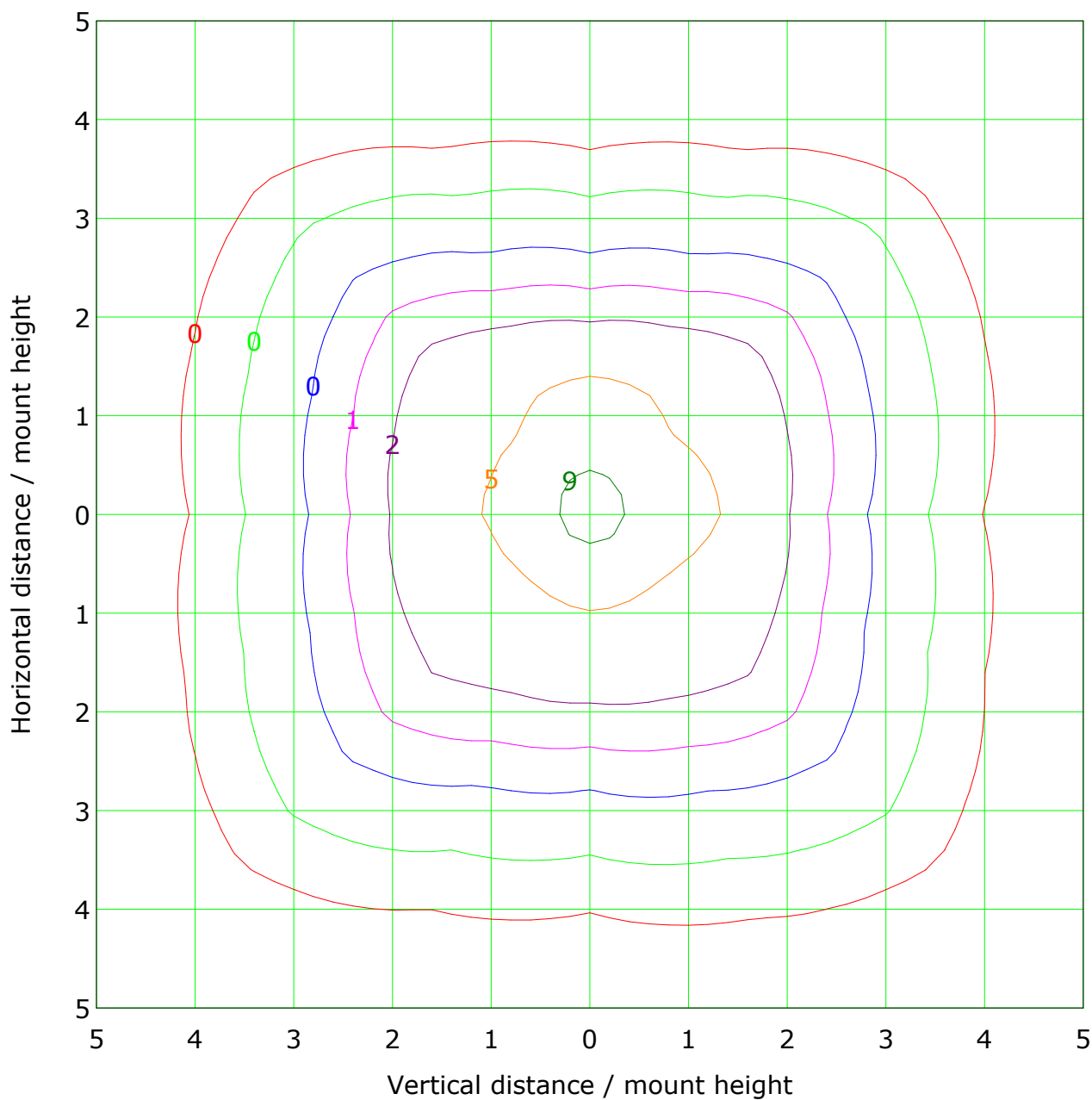
Test Device: GPM-1800B

Distance: 8.190 m

Humidity:

Inspector:

## IsoLux Plot



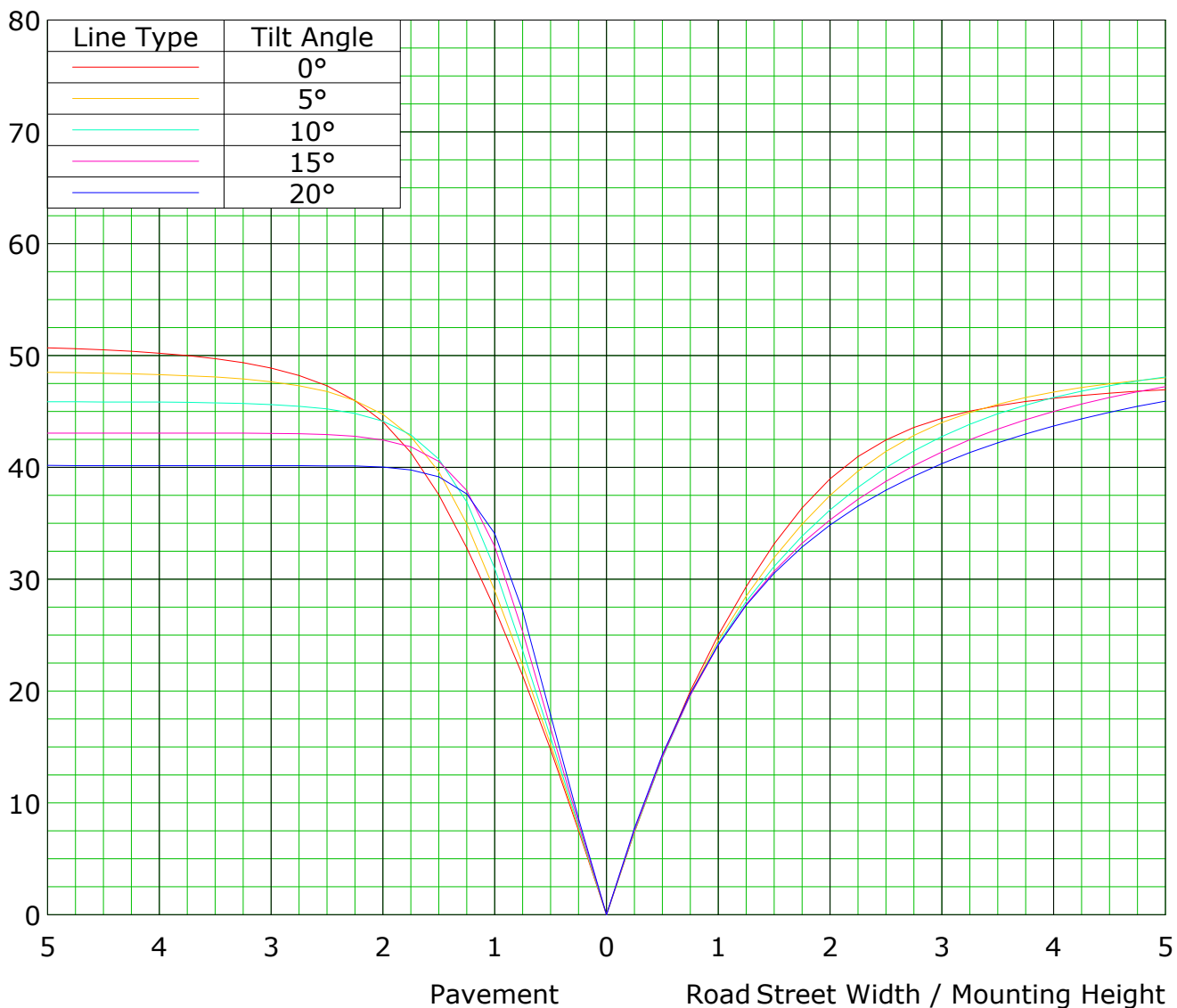
|                                                 |        |         |        |
|-------------------------------------------------|--------|---------|--------|
| Mounting Height: 10.0m    Max Lux(100%): 9.9 lx |        |         |        |
| ( 1%):                                          | 0.1 lx | ( 2%):  | 0.2 lx |
| ( 5%):                                          | 0.5 lx | ( 10%): | 1.0 lx |
| ( 20%):                                         | 2.0 lx | ( 50%): | 4.9 lx |
| ( 90%):                                         | 8.9 lx | (100%): | 9.9 lx |

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

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 8.190 m  
Humidity:  
Inspector:

## Roadway CU Curve

Efficiency(%)



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 8.190 m

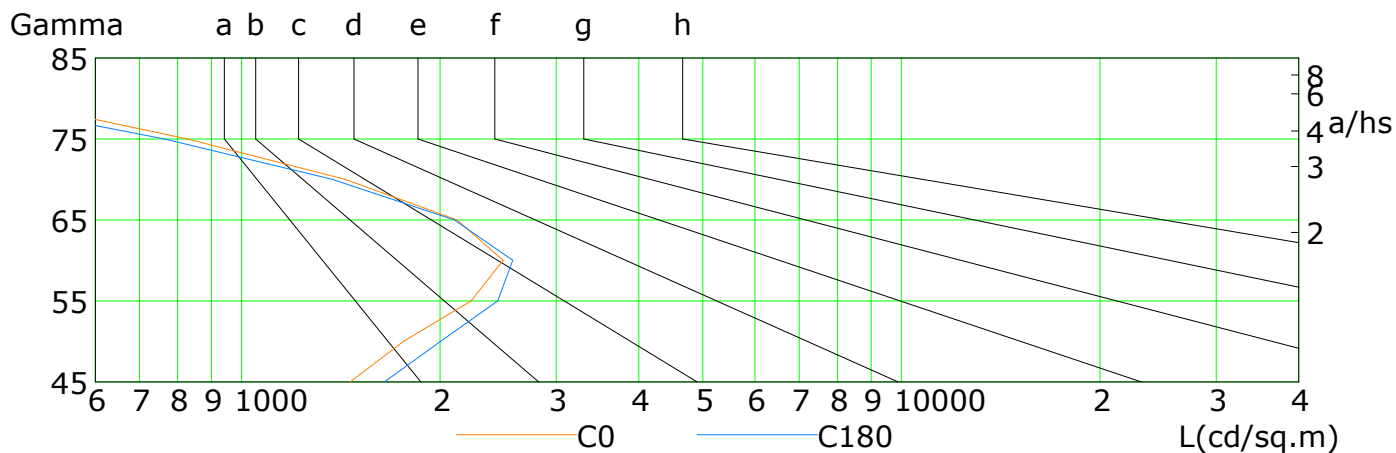
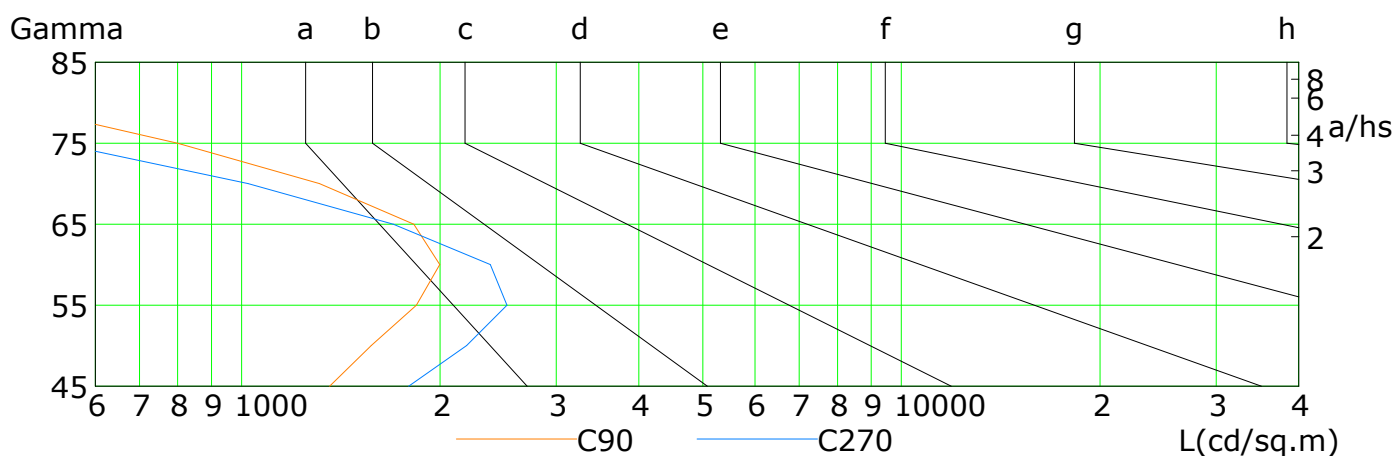
Humidity:

Inspector:

## Lum Limit Curve

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

a b c d e f g h

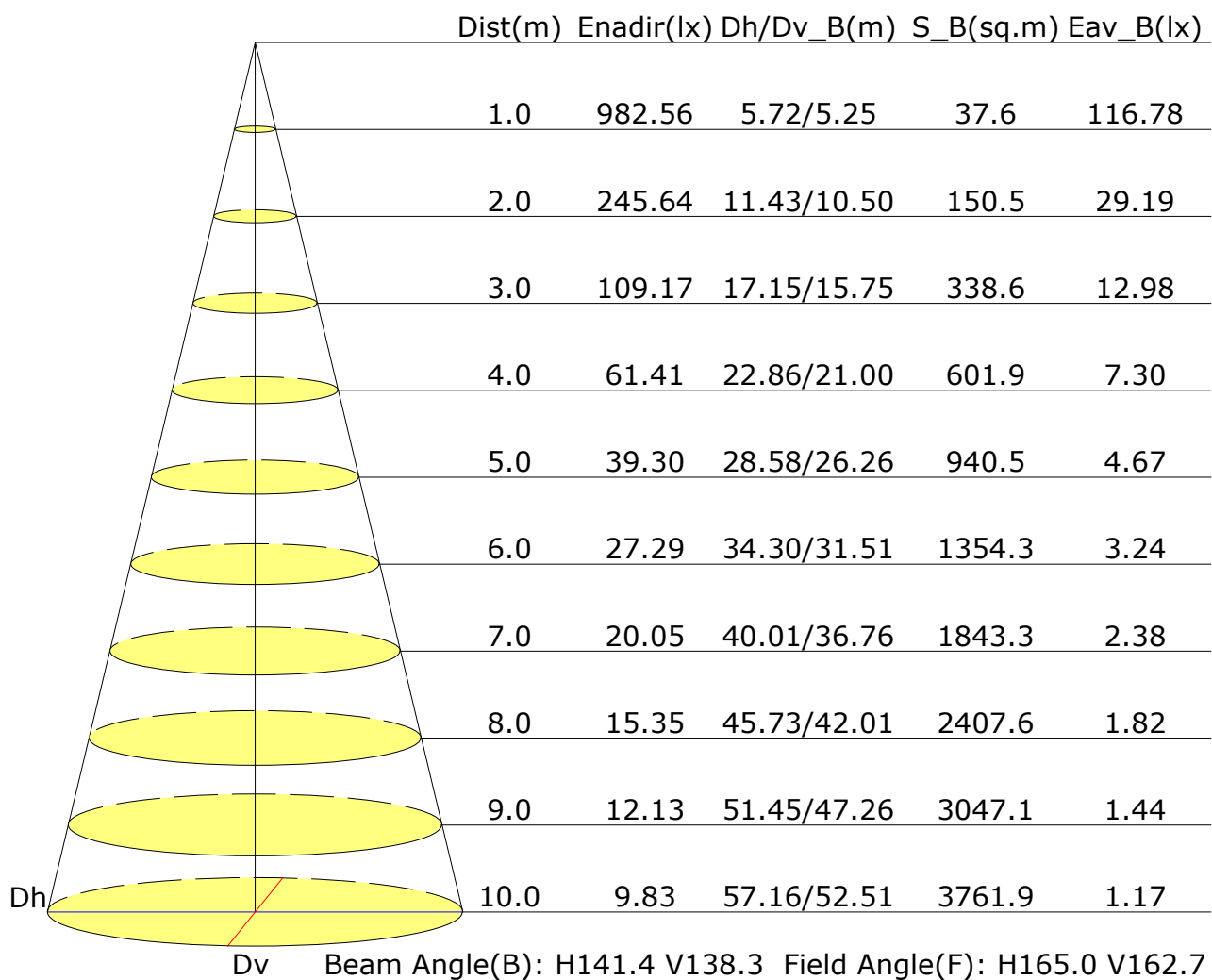


| L(cd/sq.m) | G45  | G50  | G55  | G60  | G65  | G70  | G75 | G80 | G85 |
|------------|------|------|------|------|------|------|-----|-----|-----|
| C0         | 1461 | 1761 | 2227 | 2492 | 2120 | 1435 | 828 | 427 | 165 |
| C90        | 1360 | 1572 | 1841 | 1997 | 1823 | 1312 | 800 | 431 | 166 |
| C180       | 1647 | 2002 | 2443 | 2575 | 2101 | 1371 | 764 | 373 | 135 |
| C270       | 1793 | 2194 | 2524 | 2381 | 1699 | 1022 | 527 | 218 | 41  |

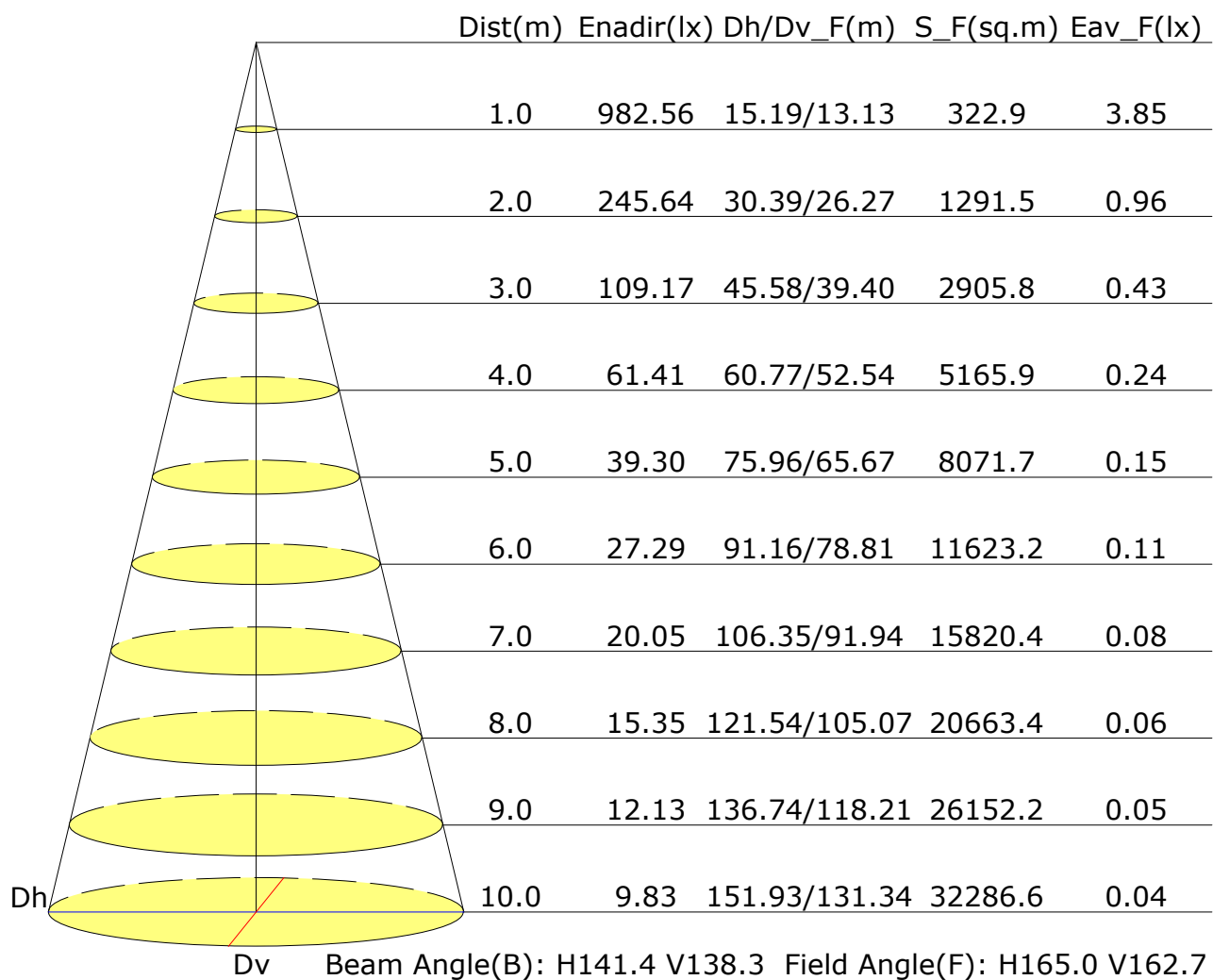
C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 8.190 m  
Humidity:  
Inspector:

## Illuminance at a Distance(Beam Angle)



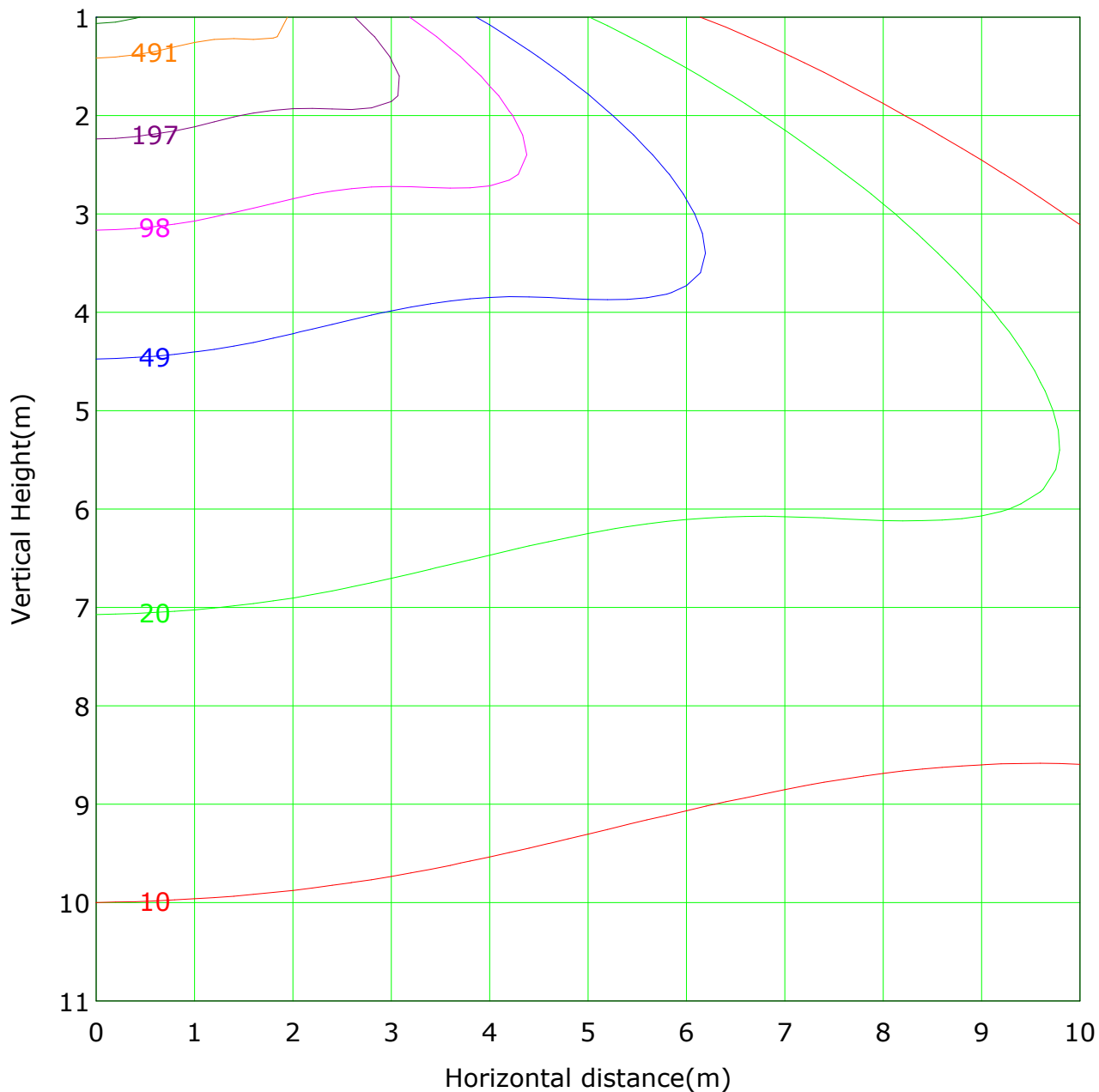
## Illuminance at a Distance(Field Angle)



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

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 8.190 m  
Humidity:  
Inspector:

## Vertical IsoLux Plot



Lowest(m): 1.0m    Highest(m): 11.0m    Max Lux: 982.6 lx

|                  |                  |
|------------------|------------------|
| ( 1%): 9.8 lx    | ( 2%): 19.7 lx   |
| ( 5%): 49.1 lx   | ( 10%): 98.3 lx  |
| ( 20%): 196.5 lx | ( 50%): 491.3 lx |
| ( 90%): 884.3 lx | (100%): 982.6 lx |

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

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 8.190 m  
Humidity:  
Inspector:

## Area Flux Table

Unit: lm

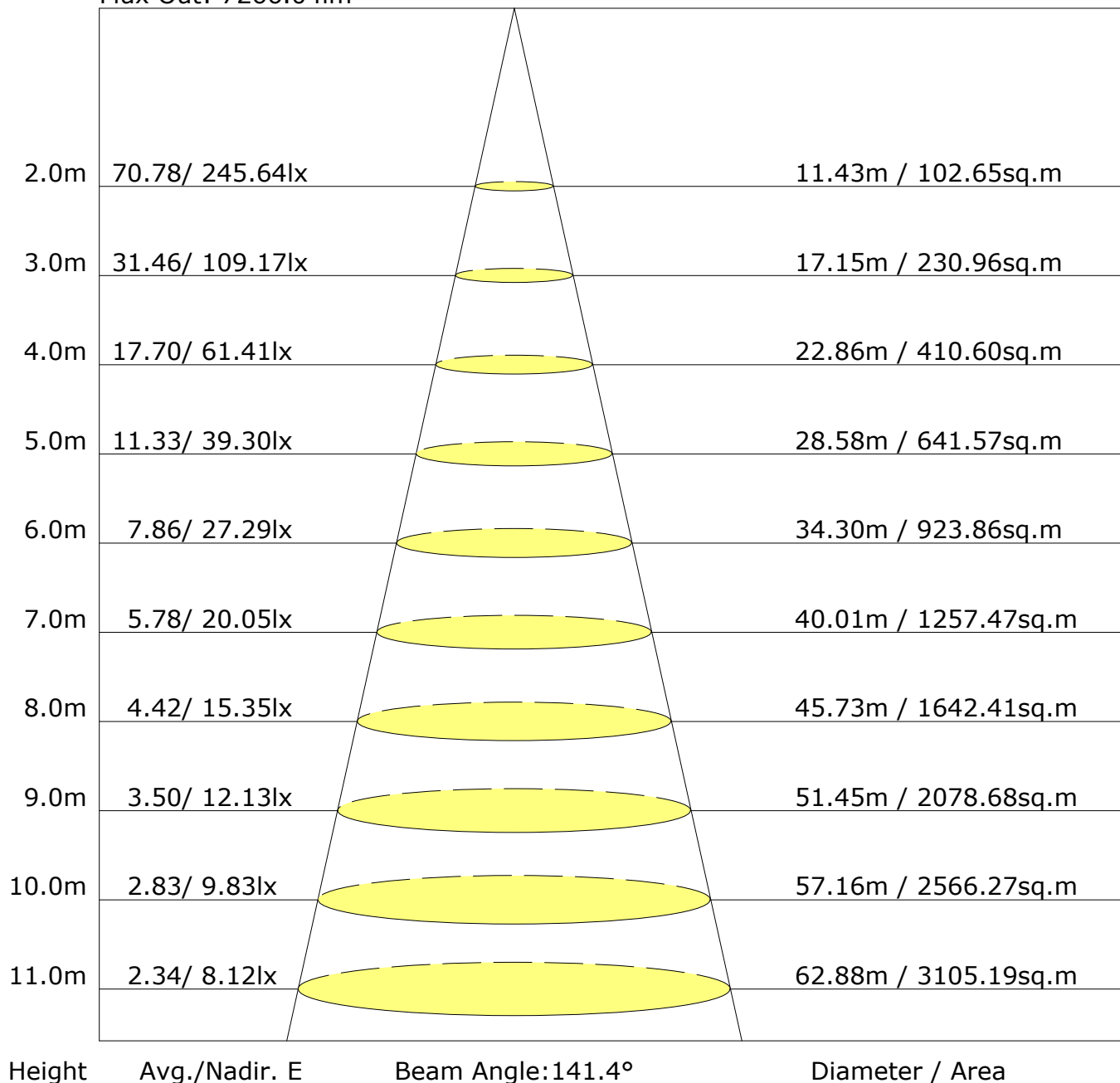
| Vertical plane | Horizontal plane |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |     |       |         |         |
|----------------|------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----|-------|---------|---------|
|                | -90              | -80  | -70   | -60   | -50   | -40   | -30   | -20   | -10   | 0     | 10    | 20    | 30    | 40    | 50    | 60    | 70   | 80  | 90    |         |         |
| -90            | 0.0              | 0.3  | 0.9   | 1.8   | 2.9   | 3.4   | 3.1   | 2.8   | 2.4   | 2.4   | 2.8   | 3.1   | 3.3   | 2.7   | 1.6   | 0.8   | 0.3  | 0.0 | 34.8  | 1.5     |         |
| -80            | 0.1              | 1.0  | 3.8   | 9.0   | 18.0  | 22.9  | 21.5  | 20.1  | 18.8  | 18.9  | 20.4  | 21.9  | 23.4  | 18.4  | 9.3   | 4.0   | 1.1  | 0.1 | 232.6 | 217.1   |         |
| -70            | 0.2              | 2.1  | 8.0   | 22.3  | 47.5  | 61.0  | 58.1  | 56.1  | 54.5  | 54.6  | 56.4  | 58.5  | 61.4  | 48.1  | 22.5  | 8.3   | 2.3  | 0.2 | 622.2 | 618.5   |         |
| -60            | 0.3              | 3.2  | 13.5  | 37.9  | 68.5  | 77.3  | 73.9  | 74.2  | 74.4  | 73.9  | 72.8  | 71.5  | 74.2  | 66.8  | 37.3  | 13.5  | 3.5  | 0.3 | 836.9 | 834.8   |         |
| -50            | 0.4              | 4.4  | 19.3  | 47.1  | 62.3  | 57.4  | 54.6  | 54.4  | 54.7  | 54.3  | 53.1  | 52.2  | 53.5  | 58.6  | 45.4  | 19.0  | 4.7  | 0.4 | 695.8 | 694.2   |         |
| -40            | 0.5              | 5.5  | 24.0  | 48.2  | 50.3  | 43.2  | 41.3  | 41.5  | 41.8  | 41.6  | 40.8  | 39.8  | 40.2  | 46.1  | 45.9  | 23.6  | 5.8  | 0.5 | 580.8 | 579.6   |         |
| -30            | 0.5              | 6.4  | 26.7  | 46.0  | 42.1  | 37.1  | 35.7  | 35.7  | 35.9  | 35.8  | 35.3  | 34.5  | 34.5  | 38.0  | 43.1  | 26.4  | 6.7  | 0.6 | 521.2 | 520.2   |         |
| -20            | 0.6              | 6.9  | 27.7  | 43.2  | 37.7  | 33.9  | 32.7  | 32.4  | 32.4  | 32.3  | 32.0  | 31.5  | 31.5  | 33.8  | 40.0  | 27.5  | 7.2  | 0.7 | 484.0 | 483.0   |         |
| -10            | 0.6              | 6.9  | 27.4  | 41.7  | 35.9  | 32.4  | 31.2  | 30.7  | 30.5  | 30.4  | 30.2  | 29.9  | 30.0  | 32.0  | 38.3  | 27.4  | 7.3  | 0.7 | 463.5 | 462.5   |         |
| 0              | 0.6              | 6.8  | 27.0  | 41.1  | 35.4  | 31.9  | 30.7  | 30.3  | 30.0  | 29.8  | 29.7  | 29.4  | 29.5  | 31.5  | 37.7  | 27.2  | 7.3  | 0.7 | 456.6 | 455.6   |         |
| 10             | 0.6              | 6.7  | 26.6  | 41.3  | 35.9  | 32.3  | 31.2  | 30.9  | 30.7  | 30.5  | 30.2  | 29.8  | 29.8  | 32.0  | 38.2  | 27.0  | 7.3  | 0.7 | 461.7 | 460.7   |         |
| 20             | 0.5              | 6.3  | 25.1  | 42.5  | 38.5  | 33.9  | 32.7  | 32.7  | 32.6  | 32.3  | 31.8  | 31.1  | 31.1  | 34.3  | 40.2  | 25.9  | 6.8  | 0.6 | 478.9 | 477.9   |         |
| 30             | 0.5              | 5.4  | 22.2  | 43.2  | 43.7  | 37.3  | 35.5  | 35.6  | 35.6  | 35.2  | 34.3  | 33.4  | 33.8  | 39.5  | 42.4  | 23.4  | 6.0  | 0.6 | 507.6 | 506.4   |         |
| 40             | 0.4              | 4.4  | 17.9  | 41.6  | 51.8  | 45.5  | 42.4  | 41.6  | 41.7  | 41.2  | 40.1  | 39.6  | 41.0  | 48.3  | 42.3  | 19.3  | 4.9  | 0.5 | 564.4 | 562.9   |         |
| 50             | 0.3              | 3.2  | 13.0  | 36.2  | 60.2  | 63.0  | 57.9  | 55.8  | 55.5  | 54.8  | 53.7  | 54.0  | 58.7  | 59.3  | 37.8  | 14.2  | 3.7  | 0.4 | 681.6 | 679.5   |         |
| 60             | 0.2              | 2.2  | 8.3   | 24.4  | 51.2  | 63.6  | 61.7  | 59.1  | 56.1  | 54.9  | 55.5  | 57.7  | 62.5  | 52.4  | 25.7  | 9.2   | 2.5  | 0.3 | 647.3 | 643.8   |         |
| 70             | 0.1              | 1.2  | 4.3   | 11.7  | 24.3  | 31.3  | 31.4  | 30.1  | 27.4  | 26.6  | 28.0  | 29.4  | 31.0  | 24.9  | 12.5  | 4.9   | 1.4  | 0.1 | 320.8 | 313.8   |         |
| 80             | 0.0              | 0.4  | 1.3   | 3.1   | 5.8   | 7.2   | 7.5   | 7.2   | 6.2   | 6.1   | 6.7   | 7.0   | 7.1   | 5.8   | 3.2   | 1.4   | 0.4  | 0.0 | 76.5  | 38.7    |         |
| 90             | 6.3              | 73.3 | 296.9 | 582.3 | 712.1 | 714.7 | 683.2 | 671.1 | 661.3 | 655.6 | 653.6 | 654.1 | 676.5 | 672.7 | 563.5 | 303.0 | 79.5 | 7.5 | 8667  |         |         |
| Flux(T)        | 0.0              | 64.5 | 290.1 | 576.5 | 707.0 | 709.4 | 676.8 | 664.1 | 653.2 | 647.8 | 646.4 | 647.5 | 671.7 | 668.1 | 558.2 | 296.8 | 71.5 | 1.1 |       | 8551    |         |
| Flux(E)        |                  |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |     |       |         |         |
|                | -90              | -80  | -70   | -60   | -50   | -40   | -30   | -20   | -10   | 0     | 10    | 20    | 30    | 40    | 50    | 60    | 70   | 80  | 90    | Flux(T) | Flux(E) |

Gamma Plane (°): 0.0-180.0: 1.0  
Test Device: GPM-1800B  
Distance: 8.190 m  
Humidity:  
Inspector:

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

## The Average Illuminance Effective Figure

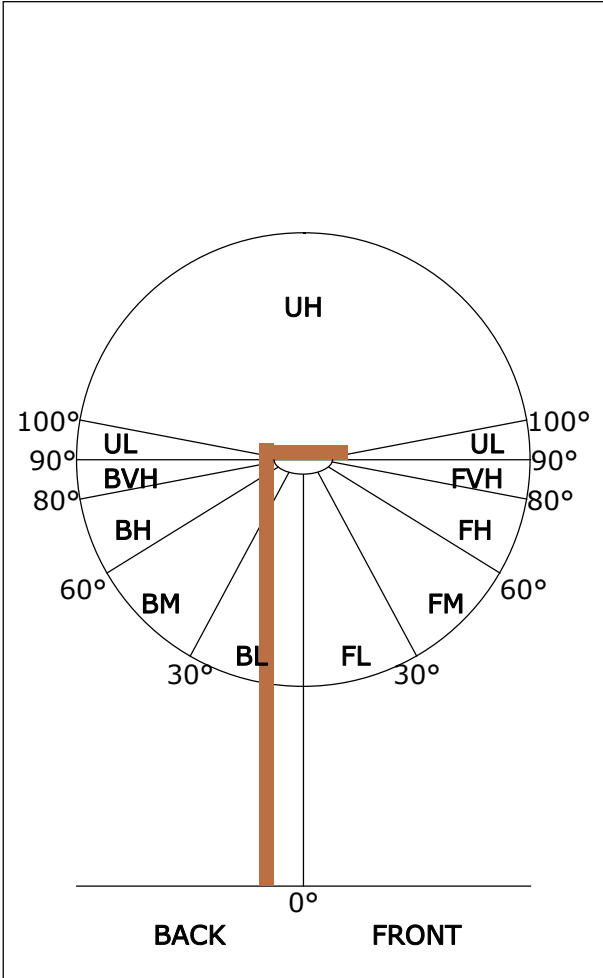
Flux Out: 7266.04lm



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

Gamma Plane (°): 0.0-180.0: 1.0  
Test Device: GPM-1800B  
Distance: 8.190 m  
Humidity:  
Inspector:

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

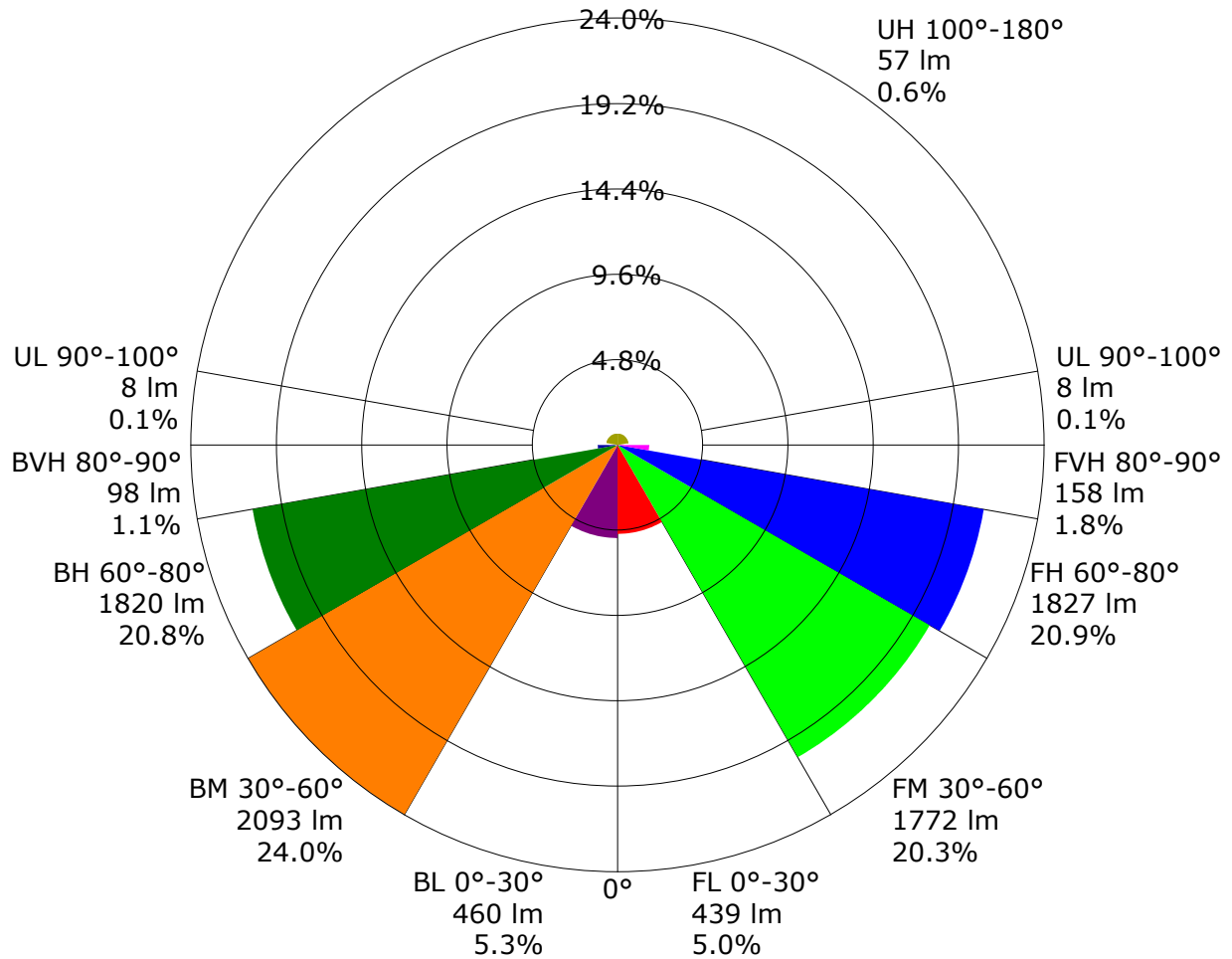
|                                                                                    | ZONE           | LUMENS | % LAMP LUMENS |
|------------------------------------------------------------------------------------|----------------|--------|---------------|
|  | FORWARD LIGHT  | 4196   | 48.0          |
|                                                                                    | FL ( 0°-30°)   | 439    | 5.0           |
|                                                                                    | FM (30°-60°)   | 1772   | 20.3          |
|                                                                                    | FH (60°-80°)   | 1827   | 20.9          |
|                                                                                    | FVH (80°-90°)  | 158    | 1.8           |
|                                                                                    | BACK LIGHT     | 4472   | 51.2          |
|                                                                                    | BL ( 0°-30°)   | 460    | 5.3           |
|                                                                                    | BM (30°-60°)   | 2093   | 24.0          |
|                                                                                    | BH (60°-80°)   | 1820   | 20.8          |
|                                                                                    | BVH (80°-90°)  | 98     | 1.1           |
|                                                                                    | UP LIGHT       | 65     | 0.7           |
|                                                                                    | UL (90°-100°)  | 8      | 0.1           |
|                                                                                    | UH (100°-180°) | 57     | 0.6           |
|                                                                                    | 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 G3 |
| Quadrilateral Symmetrical Luminaire Types<br>(Type V,Area Light) | B3 U5 G2 |

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

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 8.190 m  
Humidity:  
Inspector:

## LCS Graph



**Back Light**

**Forward Light**

Scale= MAX LCS%

Trapped Light:NA,NA

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 8.190 m

Humidity:

Inspector:

## Utilisation Factor Table(Floor cavity)

| Utilisation Factors UF(F)                                                                                                                                                         |      |       | SHR NOM = 2.50 |      |      |      |      |      |      |      |      |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|----------------|------|------|------|------|------|------|------|------|--|
| 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  | NA             | NA   | 0.63 | 0.68 | 0.78 | 0.85 | 0.89 | 0.95 | 0.99 |  |
|                                                                                                                                                                                   | 0.30 |       | NA             | NA   | 0.53 | 0.59 | 0.70 | 0.77 | 0.83 | 0.90 | 0.94 |  |
|                                                                                                                                                                                   | 0.20 |       | NA             | NA   | 0.46 | 0.52 | 0.63 | 0.71 | 0.77 | 0.85 | 0.90 |  |
| 0.50                                                                                                                                                                              | 0.50 | 0.20  | NA             | NA   | 0.60 | 0.65 | 0.74 | 0.81 | 0.85 | 0.91 | 0.94 |  |
|                                                                                                                                                                                   | 0.30 |       | NA             | NA   | 0.52 | 0.58 | 0.68 | 0.75 | 0.80 | 0.86 | 0.91 |  |
|                                                                                                                                                                                   | 0.20 |       | NA             | NA   | 0.45 | 0.51 | 0.62 | 0.70 | 0.75 | 0.82 | 0.87 |  |
| 0.30                                                                                                                                                                              | 0.50 | 0.20  | NA             | NA   | 0.57 | 0.62 | 0.71 | 0.77 | 0.82 | 0.87 | 0.90 |  |
|                                                                                                                                                                                   | 0.30 |       | NA             | NA   | 0.50 | 0.56 | 0.65 | 0.72 | 0.77 | 0.83 | 0.87 |  |
|                                                                                                                                                                                   | 0.20 |       | NA             | NA   | 0.45 | 0.50 | 0.60 | 0.68 | 0.73 | 0.80 | 0.84 |  |
| 0.00                                                                                                                                                                              | 0.00 | 0.00  | NA             | NA   | 0.42 | 0.47 | 0.57 | 0.64 | 0.69 | 0.75 | 0.79 |  |
| Rating:59W Photometrically tested without ceiling board.<br>Multiply UF values by service correction factors<br>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980 |      |       |                |      |      |      |      |      |      |      |      |  |

## Utilisation Factor Table(Wall)

| Utilisation Factors UF(W)                                                                                                                                                         |      |       | SHR NOM = 2.50 |      |      |      |      |      |      |      |      |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|----------------|------|------|------|------|------|------|------|------|--|
| 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  | NA             | NA   | 0.88 | 0.78 | 0.62 | 0.51 | 0.44 | 0.34 | 0.28 |  |
|                                                                                                                                                                                   | 0.30 |       | NA             | NA   | 0.76 | 0.69 | 0.56 | 0.47 | 0.41 | 0.32 | 0.27 |  |
|                                                                                                                                                                                   | 0.20 |       | NA             | NA   | 0.68 | 0.62 | 0.51 | 0.44 | 0.38 | 0.30 | 0.25 |  |
| 0.50                                                                                                                                                                              | 0.50 | 0.20  | NA             | NA   | 0.84 | 0.75 | 0.60 | 0.52 | 0.42 | 0.33 | 0.27 |  |
|                                                                                                                                                                                   | 0.30 |       | NA             | NA   | 0.74 | 0.67 | 0.55 | 0.46 | 0.39 | 0.31 | 0.26 |  |
|                                                                                                                                                                                   | 0.20 |       | NA             | NA   | 0.67 | 0.61 | 0.51 | 0.43 | 0.37 | 0.30 | 0.25 |  |
| 0.30                                                                                                                                                                              | 0.50 | 0.20  | NA             | NA   | 0.81 | 0.72 | 0.58 | 0.48 | 0.41 | 0.32 | 0.26 |  |
|                                                                                                                                                                                   | 0.30 |       | NA             | NA   | 0.73 | 0.66 | 0.53 | 0.45 | 0.38 | 0.30 | 0.25 |  |
|                                                                                                                                                                                   | 0.20 |       | NA             | NA   | 0.66 | 0.60 | 0.50 | 0.42 | 0.36 | 0.29 | 0.24 |  |
| 0.00                                                                                                                                                                              | 0.00 | 0.00  | 0.99           | 0.99 | 0.58 | 0.52 | 0.43 | 0.36 | 0.31 | 0.24 | 0.20 |  |
| Rating:59W Photometrically tested without ceiling board.<br>Multiply UF values by service correction factors<br>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980 |      |       |                |      |      |      |      |      |      |      |      |  |

## Utilisation Factor Table(Ceiling cavity)

| Utilisation Factors UF(C)                                                                                                                                                         |      |       | SHR NOM = 2.50 |      |      |      |      |      |      |      |      |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|----------------|------|------|------|------|------|------|------|------|--|
| 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  | NA             | NA   | 0.21 | 0.21 | 0.22 | 0.22 | 0.23 | 0.23 | 0.23 |  |
|                                                                                                                                                                                   | 0.30 |       | NA             | NA   | 0.13 | 0.14 | 0.16 | 0.17 | 0.18 | 0.19 | 0.20 |  |
|                                                                                                                                                                                   | 0.20 |       | NA             | NA   | 0.07 | 0.09 | 0.11 | 0.12 | 0.14 | 0.15 | 0.17 |  |
| 0.50                                                                                                                                                                              | 0.50 | 0.20  | NA             | NA   | 0.20 | 0.21 | 0.21 | 0.21 | 0.22 | 0.22 | 0.22 |  |
|                                                                                                                                                                                   | 0.30 |       | NA             | NA   | 0.13 | 0.14 | 0.15 | 0.16 | 0.17 | 0.18 | 0.19 |  |
|                                                                                                                                                                                   | 0.20 |       | NA             | NA   | 0.07 | 0.08 | 0.10 | 0.12 | 0.13 | 0.15 | 0.16 |  |
| 0.30                                                                                                                                                                              | 0.50 | 0.20  | NA             | NA   | 0.19 | 0.20 | 0.20 | 0.21 | 0.21 | 0.21 | 0.21 |  |
|                                                                                                                                                                                   | 0.30 |       | NA             | NA   | 0.13 | 0.14 | 0.15 | 0.16 | 0.17 | 0.18 | 0.18 |  |
|                                                                                                                                                                                   | 0.20 |       | NA             | NA   | 0.07 | 0.08 | 0.10 | 0.12 | 0.13 | 0.15 | 0.16 |  |
| 0.00                                                                                                                                                                              | 0.00 | 0.00  | 0.01           | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |  |
| Rating:59W Photometrically tested without ceiling board.<br>Multiply UF values by service correction factors<br>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980 |      |       |                |      |      |      |      |      |      |      |      |  |

## 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      | 982.6                     | 0.9                | 0.9                    | 0.01                  | 0.01                      |
| 1.0-2.0      | 983.0                     | 2.8                | 3.8                    | 0.03                  | 0.04                      |
| 2.0-3.0      | 983.7                     | 4.7                | 8.5                    | 0.05                  | 0.10                      |
| 3.0-4.0      | 984.9                     | 6.6                | 15.1                   | 0.08                  | 0.17                      |
| 4.0-5.0      | 986.5                     | 8.5                | 23.5                   | 0.10                  | 0.27                      |
| 5.0-6.0      | 988.4                     | 10.4               | 33.9                   | 0.12                  | 0.39                      |
| 6.0-7.0      | 990.8                     | 12.3               | 46.2                   | 0.14                  | 0.53                      |
| 7.0-8.0      | 993.6                     | 14.2               | 60.5                   | 0.16                  | 0.69                      |
| 8.0-9.0      | 996.8                     | 16.2               | 76.6                   | 0.19                  | 0.88                      |
| 9.0-10.0     | 1000.3                    | 18.1               | 94.7                   | 0.21                  | 1.08                      |
| 10.0-11.0    | 1004.2                    | 20.1               | 114.8                  | 0.23                  | 1.31                      |
| 11.0-12.0    | 1008.5                    | 22.0               | 136.8                  | 0.25                  | 1.57                      |
| 12.0-13.0    | 1013.1                    | 24.0               | 160.9                  | 0.28                  | 1.84                      |
| 13.0-14.0    | 1018.0                    | 26.1               | 186.9                  | 0.30                  | 2.14                      |
| 14.0-15.0    | 1023.4                    | 28.1               | 215.0                  | 0.32                  | 2.46                      |
| 15.0-16.0    | 1029.2                    | 30.2               | 245.2                  | 0.35                  | 2.81                      |
| 16.0-17.0    | 1035.1                    | 32.2               | 277.4                  | 0.37                  | 3.18                      |
| 17.0-18.0    | 1041.4                    | 34.3               | 311.8                  | 0.39                  | 3.57                      |
| 18.0-19.0    | 1048.0                    | 36.5               | 348.3                  | 0.42                  | 3.99                      |
| 19.0-20.0    | 1055.3                    | 38.6               | 386.9                  | 0.44                  | 4.43                      |
| 20.0-21.0    | 1062.7                    | 40.8               | 427.7                  | 0.47                  | 4.90                      |
| 21.0-22.0    | 1070.6                    | 43.0               | 470.7                  | 0.49                  | 5.39                      |
| 22.0-23.0    | 1079.0                    | 45.3               | 516.0                  | 0.52                  | 5.91                      |
| 23.0-24.0    | 1087.8                    | 47.6               | 563.6                  | 0.54                  | 6.45                      |
| 24.0-25.0    | 1097.0                    | 49.9               | 613.5                  | 0.57                  | 7.03                      |
| 25.0-26.0    | 1106.8                    | 52.3               | 665.7                  | 0.60                  | 7.62                      |
| 26.0-27.0    | 1117.1                    | 54.7               | 720.4                  | 0.63                  | 8.25                      |
| 27.0-28.0    | 1127.9                    | 57.1               | 777.5                  | 0.65                  | 8.90                      |
| 28.0-29.0    | 1139.3                    | 59.6               | 837.1                  | 0.68                  | 9.59                      |
| 29.0-30.0    | 1151.5                    | 62.2               | 899.3                  | 0.71                  | 10.30                     |
| 30.0-31.0    | 1164.2                    | 64.8               | 964.1                  | 0.74                  | 11.04                     |
| 31.0-32.0    | 1177.5                    | 67.5               | 1031.5                 | 0.77                  | 11.81                     |
| 32.0-33.0    | 1191.9                    | 70.2               | 1101.8                 | 0.80                  | 12.62                     |
| 33.0-34.0    | 1207.0                    | 73.1               | 1174.8                 | 0.84                  | 13.45                     |
| 34.0-35.0    | 1222.8                    | 76.0               | 1250.8                 | 0.87                  | 14.32                     |
| 35.0-36.0    | 1239.9                    | 79.0               | 1329.7                 | 0.90                  | 15.23                     |

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 8.190 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    | 1258.1                    | 82.1               | 1411.8                 | 0.94                  | 16.17                     |
| 37.0-38.0    | 1277.3                    | 85.3               | 1497.1                 | 0.98                  | 17.14                     |
| 38.0-39.0    | 1298.2                    | 88.6               | 1585.7                 | 1.01                  | 18.16                     |
| 39.0-40.0    | 1320.8                    | 92.1               | 1677.8                 | 1.06                  | 19.21                     |
| 40.0-41.0    | 1344.9                    | 95.8               | 1773.6                 | 1.10                  | 20.31                     |
| 41.0-42.0    | 1371.2                    | 99.6               | 1873.2                 | 1.14                  | 21.45                     |
| 42.0-43.0    | 1400.3                    | 103.7              | 1977.0                 | 1.19                  | 22.64                     |
| 43.0-44.0    | 1431.8                    | 108.1              | 2085.1                 | 1.24                  | 23.88                     |
| 44.0-45.0    | 1466.9                    | 112.8              | 2197.8                 | 1.29                  | 25.17                     |
| 45.0-46.0    | 1506.7                    | 117.8              | 2315.7                 | 1.35                  | 26.52                     |
| 46.0-47.0    | 1550.2                    | 123.3              | 2439.0                 | 1.41                  | 27.93                     |
| 47.0-48.0    | 1598.7                    | 129.3              | 2568.2                 | 1.48                  | 29.41                     |
| 48.0-49.0    | 1653.3                    | 135.8              | 2704.0                 | 1.56                  | 30.97                     |
| 49.0-50.0    | 1713.5                    | 142.9              | 2846.9                 | 1.64                  | 32.60                     |
| 50.0-51.0    | 1779.2                    | 150.6              | 2997.4                 | 1.72                  | 34.33                     |
| 51.0-52.0    | 1851.5                    | 158.9              | 3156.3                 | 1.82                  | 36.14                     |
| 52.0-53.0    | 1928.6                    | 167.8              | 3324.1                 | 1.92                  | 38.07                     |
| 53.0-54.0    | 2009.1                    | 177.1              | 3501.2                 | 2.03                  | 40.09                     |
| 54.0-55.0    | 2092.6                    | 186.8              | 3688.1                 | 2.14                  | 42.23                     |
| 55.0-56.0    | 2176.5                    | 196.7              | 3884.8                 | 2.25                  | 44.49                     |
| 56.0-57.0    | 2257.2                    | 206.4              | 4091.2                 | 2.36                  | 46.85                     |
| 57.0-58.0    | 2334.0                    | 215.9              | 4307.0                 | 2.47                  | 49.32                     |
| 58.0-59.0    | 2403.5                    | 224.7              | 4531.8                 | 2.57                  | 51.90                     |
| 59.0-60.0    | 2460.7                    | 232.5              | 4764.3                 | 2.66                  | 54.56                     |
| 60.0-61.0    | 2504.5                    | 239.0              | 5003.3                 | 2.74                  | 57.30                     |
| 61.0-62.0    | 2532.7                    | 244.1              | 5247.4                 | 2.80                  | 60.09                     |
| 62.0-63.0    | 2541.6                    | 247.2              | 5494.6                 | 2.83                  | 62.92                     |
| 63.0-64.0    | 2530.0                    | 248.3              | 5742.9                 | 2.84                  | 65.77                     |
| 64.0-65.0    | 2496.2                    | 247.1              | 5990.0                 | 2.83                  | 68.59                     |
| 65.0-66.0    | 2440.5                    | 243.5              | 6233.5                 | 2.79                  | 71.38                     |
| 66.0-67.0    | 2363.6                    | 237.7              | 6471.2                 | 2.72                  | 74.11                     |
| 67.0-68.0    | 2265.1                    | 229.5              | 6700.7                 | 2.63                  | 76.73                     |
| 68.0-69.0    | 2147.7                    | 219.1              | 6919.8                 | 2.51                  | 79.24                     |
| 69.0-70.0    | 2017.0                    | 207.2              | 7127.0                 | 2.37                  | 81.62                     |
| 70.0-71.0    | 1874.1                    | 193.7              | 7320.7                 | 2.22                  | 83.83                     |
| 71.0-72.0    | 1722.5                    | 179.1              | 7499.9                 | 2.05                  | 85.88                     |

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 8.190 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    | 1570.2                    | 164.2              | 7664.1                 | 1.88                  | 87.77                     |
| 73.0-74.0    | 1418.3                    | 149.1              | 7813.2                 | 1.71                  | 89.47                     |
| 74.0-75.0    | 1266.9                    | 133.9              | 7947.1                 | 1.53                  | 91.01                     |
| 75.0-76.0    | 1120.4                    | 119.0              | 8066.0                 | 1.36                  | 92.37                     |
| 76.0-77.0    | 982.3                     | 104.7              | 8170.8                 | 1.20                  | 93.57                     |
| 77.0-78.0    | 856.3                     | 91.7               | 8262.5                 | 1.05                  | 94.62                     |
| 78.0-79.0    | 743.4                     | 79.9               | 8342.3                 | 0.91                  | 95.53                     |
| 79.0-80.0    | 636.2                     | 68.6               | 8410.9                 | 0.79                  | 96.32                     |
| 80.0-81.0    | 538.5                     | 58.2               | 8469.2                 | 0.67                  | 96.98                     |
| 81.0-82.0    | 455.7                     | 49.4               | 8518.6                 | 0.57                  | 97.55                     |
| 82.0-83.0    | 379.4                     | 41.3               | 8559.8                 | 0.47                  | 98.02                     |
| 83.0-84.0    | 307.9                     | 33.5               | 8593.4                 | 0.38                  | 98.41                     |
| 84.0-85.0    | 240.7                     | 26.3               | 8619.7                 | 0.30                  | 98.71                     |
| 85.0-86.0    | 179.6                     | 19.6               | 8639.3                 | 0.22                  | 98.93                     |
| 86.0-87.0    | 125.1                     | 13.7               | 8653.0                 | 0.16                  | 99.09                     |
| 87.0-88.0    | 77.9                      | 8.5                | 8661.5                 | 0.10                  | 99.19                     |
| 88.0-89.0    | 40.9                      | 4.5                | 8666.0                 | 0.05                  | 99.24                     |
| 89.0-90.0    | 15.4                      | 1.7                | 8667.7                 | 0.02                  | 99.26                     |
| 90.0-91.0    | 6.4                       | 0.7                | 8668.4                 | 0.01                  | 99.27                     |
| 91.0-92.0    | 6.4                       | 0.7                | 8669.1                 | 0.01                  | 99.27                     |
| 92.0-93.0    | 6.6                       | 0.7                | 8669.9                 | 0.01                  | 99.28                     |
| 93.0-94.0    | 6.9                       | 0.8                | 8670.6                 | 0.01                  | 99.29                     |
| 94.0-95.0    | 7.2                       | 0.8                | 8671.4                 | 0.01                  | 99.30                     |
| 95.0-96.0    | 7.5                       | 0.8                | 8672.2                 | 0.01                  | 99.31                     |
| 96.0-97.0    | 7.7                       | 0.8                | 8673.1                 | 0.01                  | 99.32                     |
| 97.0-98.0    | 8.0                       | 0.9                | 8673.9                 | 0.01                  | 99.33                     |
| 98.0-99.0    | 8.2                       | 0.9                | 8674.8                 | 0.01                  | 99.34                     |
| 99.0-100.0   | 8.5                       | 0.9                | 8675.7                 | 0.01                  | 99.35                     |
| 100.0-101.0  | 8.7                       | 0.9                | 8676.7                 | 0.01                  | 99.36                     |
| 101.0-102.0  | 8.9                       | 1.0                | 8677.6                 | 0.01                  | 99.37                     |
| 102.0-103.0  | 9.2                       | 1.0                | 8678.6                 | 0.01                  | 99.38                     |
| 103.0-104.0  | 9.4                       | 1.0                | 8679.6                 | 0.01                  | 99.39                     |
| 104.0-105.0  | 9.6                       | 1.0                | 8680.6                 | 0.01                  | 99.41                     |
| 105.0-106.0  | 9.7                       | 1.0                | 8681.7                 | 0.01                  | 99.42                     |
| 106.0-107.0  | 9.9                       | 1.0                | 8682.7                 | 0.01                  | 99.43                     |
| 107.0-108.0  | 10.0                      | 1.0                | 8683.7                 | 0.01                  | 99.44                     |

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 8.190 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  | 10.1                      | 1.1                | 8684.8                 | 0.01                  | 99.45                     |
| 109.0-110.0  | 10.3                      | 1.1                | 8685.9                 | 0.01                  | 99.47                     |
| 110.0-111.0  | 10.4                      | 1.1                | 8686.9                 | 0.01                  | 99.48                     |
| 111.0-112.0  | 10.5                      | 1.1                | 8688.0                 | 0.01                  | 99.49                     |
| 112.0-113.0  | 10.7                      | 1.1                | 8689.1                 | 0.01                  | 99.50                     |
| 113.0-114.0  | 10.8                      | 1.1                | 8690.2                 | 0.01                  | 99.52                     |
| 114.0-115.0  | 10.8                      | 1.1                | 8691.3                 | 0.01                  | 99.53                     |
| 115.0-116.0  | 10.9                      | 1.1                | 8692.3                 | 0.01                  | 99.54                     |
| 116.0-117.0  | 10.9                      | 1.1                | 8693.4                 | 0.01                  | 99.55                     |
| 117.0-118.0  | 11.0                      | 1.1                | 8694.5                 | 0.01                  | 99.56                     |
| 118.0-119.0  | 11.1                      | 1.1                | 8695.5                 | 0.01                  | 99.58                     |
| 119.0-120.0  | 11.1                      | 1.1                | 8696.6                 | 0.01                  | 99.59                     |
| 120.0-121.0  | 11.2                      | 1.1                | 8697.7                 | 0.01                  | 99.60                     |
| 121.0-122.0  | 11.3                      | 1.1                | 8698.7                 | 0.01                  | 99.61                     |
| 122.0-123.0  | 11.3                      | 1.0                | 8699.8                 | 0.01                  | 99.63                     |
| 123.0-124.0  | 11.4                      | 1.0                | 8700.8                 | 0.01                  | 99.64                     |
| 124.0-125.0  | 11.5                      | 1.0                | 8701.8                 | 0.01                  | 99.65                     |
| 125.0-126.0  | 11.5                      | 1.0                | 8702.9                 | 0.01                  | 99.66                     |
| 126.0-127.0  | 11.6                      | 1.0                | 8703.9                 | 0.01                  | 99.67                     |
| 127.0-128.0  | 11.7                      | 1.0                | 8704.9                 | 0.01                  | 99.68                     |
| 128.0-129.0  | 11.8                      | 1.0                | 8705.9                 | 0.01                  | 99.70                     |
| 129.0-130.0  | 11.8                      | 1.0                | 8706.9                 | 0.01                  | 99.71                     |
| 130.0-131.0  | 11.9                      | 1.0                | 8707.9                 | 0.01                  | 99.72                     |
| 131.0-132.0  | 12.0                      | 1.0                | 8708.9                 | 0.01                  | 99.73                     |
| 132.0-133.0  | 12.1                      | 1.0                | 8709.9                 | 0.01                  | 99.74                     |
| 133.0-134.0  | 12.1                      | 1.0                | 8710.8                 | 0.01                  | 99.75                     |
| 134.0-135.0  | 12.2                      | 1.0                | 8711.8                 | 0.01                  | 99.76                     |
| 135.0-136.0  | 12.2                      | 0.9                | 8712.7                 | 0.01                  | 99.77                     |
| 136.0-137.0  | 12.3                      | 0.9                | 8713.7                 | 0.01                  | 99.78                     |
| 137.0-138.0  | 12.3                      | 0.9                | 8714.6                 | 0.01                  | 99.80                     |
| 138.0-139.0  | 12.3                      | 0.9                | 8715.5                 | 0.01                  | 99.81                     |
| 139.0-140.0  | 12.3                      | 0.9                | 8716.3                 | 0.01                  | 99.82                     |
| 140.0-141.0  | 12.3                      | 0.9                | 8717.2                 | 0.01                  | 99.83                     |
| 141.0-142.0  | 12.3                      | 0.8                | 8718.0                 | 0.01                  | 99.83                     |
| 142.0-143.0  | 12.3                      | 0.8                | 8718.9                 | 0.01                  | 99.84                     |
| 143.0-144.0  | 12.2                      | 0.8                | 8719.7                 | 0.01                  | 99.85                     |

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

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 8.190 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  | 12.1                      | 0.8                | 8720.4                 | 0.01                  | 99.86                     |
| 145.0-146.0  | 12.0                      | 0.7                | 8721.2                 | 0.01                  | 99.87                     |
| 146.0-147.0  | 11.9                      | 0.7                | 8721.9                 | 0.01                  | 99.88                     |
| 147.0-148.0  | 11.7                      | 0.7                | 8722.6                 | 0.01                  | 99.89                     |
| 148.0-149.0  | 11.5                      | 0.7                | 8723.2                 | 0.01                  | 99.89                     |
| 149.0-150.0  | 11.4                      | 0.6                | 8723.9                 | 0.01                  | 99.90                     |
| 150.0-151.0  | 11.2                      | 0.6                | 8724.5                 | 0.01                  | 99.91                     |
| 151.0-152.0  | 11.1                      | 0.6                | 8725.1                 | 0.01                  | 99.92                     |
| 152.0-153.0  | 11.0                      | 0.6                | 8725.6                 | 0.01                  | 99.92                     |
| 153.0-154.0  | 10.8                      | 0.5                | 8726.1                 | 0.01                  | 99.93                     |
| 154.0-155.0  | 10.6                      | 0.5                | 8726.6                 | 0.01                  | 99.93                     |
| 155.0-156.0  | 10.5                      | 0.5                | 8727.1                 | 0.01                  | 99.94                     |
| 156.0-157.0  | 10.4                      | 0.5                | 8727.6                 | 0.01                  | 99.94                     |
| 157.0-158.0  | 10.3                      | 0.4                | 8728.0                 | 0.00                  | 99.95                     |
| 158.0-159.0  | 10.2                      | 0.4                | 8728.4                 | 0.00                  | 99.95                     |
| 159.0-160.0  | 10.1                      | 0.4                | 8728.8                 | 0.00                  | 99.96                     |
| 160.0-161.0  | 10.1                      | 0.4                | 8729.2                 | 0.00                  | 99.96                     |
| 161.0-162.0  | 10.0                      | 0.3                | 8729.5                 | 0.00                  | 99.97                     |
| 162.0-163.0  | 9.9                       | 0.3                | 8729.9                 | 0.00                  | 99.97                     |
| 163.0-164.0  | 9.8                       | 0.3                | 8730.2                 | 0.00                  | 99.97                     |
| 164.0-165.0  | 9.7                       | 0.3                | 8730.4                 | 0.00                  | 99.98                     |
| 165.0-166.0  | 9.6                       | 0.3                | 8730.7                 | 0.00                  | 99.98                     |
| 166.0-167.0  | 9.6                       | 0.2                | 8731.0                 | 0.00                  | 99.98                     |
| 167.0-168.0  | 9.6                       | 0.2                | 8731.2                 | 0.00                  | 99.99                     |
| 168.0-169.0  | 9.5                       | 0.2                | 8731.4                 | 0.00                  | 99.99                     |
| 169.0-170.0  | 9.4                       | 0.2                | 8731.6                 | 0.00                  | 99.99                     |
| 170.0-171.0  | 9.4                       | 0.2                | 8731.7                 | 0.00                  | 99.99                     |
| 171.0-172.0  | 9.4                       | 0.2                | 8731.9                 | 0.00                  | 99.99                     |
| 172.0-173.0  | 9.4                       | 0.1                | 8732.0                 | 0.00                  | 100.00                    |
| 173.0-174.0  | 9.3                       | 0.1                | 8732.1                 | 0.00                  | 100.00                    |
| 174.0-175.0  | 9.3                       | 0.1                | 8732.2                 | 0.00                  | 100.00                    |
| 175.0-176.0  | 9.3                       | 0.1                | 8732.3                 | 0.00                  | 100.00                    |
| 176.0-177.0  | 9.3                       | 0.1                | 8732.4                 | 0.00                  | 100.00                    |
| 177.0-178.0  | 9.3                       | 0.0                | 8732.4                 | 0.00                  | 100.00                    |
| 178.0-179.0  | 9.3                       | 0.0                | 8732.5                 | 0.00                  | 100.00                    |
| 179.0-180.0  | 9.3                       | 0.0                | 8732.5                 | 0.00                  | 100.00                    |

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 8.190 m  
 Humidity:  
 Inspector:

## Candlepower Table

Unit: cd

| G\C   | C0.0   | C22.5  | C45.0  | C67.5  | C90.0  | C112.5 | C135.0 | C157.5 | C180.0 | C202.5 |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| G0.0  | 982.6  | 982.6  | 982.6  | 982.6  | 982.6  | 982.6  | 982.6  | 982.6  | 982.6  | 982.6  |
| G1.0  | 982.1  | 981.7  | 980.7  | 980.5  | 980.7  | 981.2  | 982.2  | 982.4  | 983.5  | 983.9  |
| G2.0  | 982.4  | 981.1  | 979.8  | 979.6  | 979.7  | 980.3  | 981.9  | 982.6  | 984.1  | 985.7  |
| G3.0  | 982.6  | 980.7  | 979.2  | 979.0  | 979.2  | 980.2  | 982.4  | 983.2  | 986.0  | 987.5  |
| G4.0  | 983.3  | 981.2  | 979.3  | 978.1  | 979.3  | 980.0  | 982.6  | 984.7  | 987.5  | 990.1  |
| G5.0  | 983.9  | 981.1  | 979.3  | 978.5  | 979.3  | 980.4  | 983.5  | 986.0  | 989.5  | 992.3  |
| G6.0  | 985.2  | 981.8  | 979.5  | 979.2  | 980.0  | 982.2  | 985.2  | 987.9  | 992.3  | 995.8  |
| G7.0  | 987.2  | 982.4  | 980.2  | 979.9  | 981.4  | 983.4  | 986.6  | 989.9  | 994.9  | 999.5  |
| G8.0  | 989.1  | 984.4  | 981.8  | 982.0  | 982.8  | 984.8  | 989.1  | 992.4  | 998.1  | 1003.2 |
| G9.0  | 991.0  | 986.4  | 982.7  | 983.5  | 984.6  | 987.4  | 991.1  | 995.3  | 1001.6 | 1007.0 |
| G10.0 | 993.5  | 987.6  | 985.8  | 985.3  | 987.3  | 989.8  | 994.5  | 998.4  | 1005.7 | 1011.7 |
| G11.0 | 996.4  | 990.2  | 987.4  | 987.9  | 989.8  | 993.1  | 997.3  | 1002.1 | 1009.7 | 1016.3 |
| G12.0 | 999.4  | 992.6  | 990.2  | 990.5  | 993.3  | 996.1  | 1001.3 | 1006.2 | 1014.4 | 1021.7 |
| G13.0 | 1003.0 | 995.4  | 992.4  | 993.9  | 996.8  | 1000.1 | 1005.3 | 1010.7 | 1019.5 | 1026.7 |
| G14.0 | 1006.1 | 998.6  | 995.6  | 997.1  | 1000.5 | 1004.6 | 1009.3 | 1014.9 | 1024.7 | 1032.5 |
| G15.0 | 1010.3 | 1002.4 | 999.4  | 1001.3 | 1004.7 | 1008.6 | 1013.4 | 1020.3 | 1030.9 | 1039.3 |
| G16.0 | 1014.5 | 1005.4 | 1003.2 | 1004.7 | 1008.8 | 1013.2 | 1018.9 | 1025.9 | 1036.7 | 1045.4 |
| G17.0 | 1018.7 | 1009.4 | 1006.9 | 1008.9 | 1013.4 | 1018.4 | 1023.9 | 1031.8 | 1043.8 | 1053.2 |
| G18.0 | 1023.6 | 1013.5 | 1010.6 | 1012.7 | 1018.2 | 1022.9 | 1029.8 | 1037.9 | 1050.7 | 1060.0 |
| G19.0 | 1028.9 | 1018.0 | 1014.9 | 1018.1 | 1024.4 | 1029.1 | 1035.8 | 1044.0 | 1058.2 | 1067.8 |
| G20.0 | 1034.6 | 1022.8 | 1019.7 | 1023.5 | 1030.9 | 1035.1 | 1041.9 | 1051.3 | 1066.1 | 1075.8 |
| G21.0 | 1039.8 | 1027.9 | 1024.0 | 1029.1 | 1037.2 | 1041.9 | 1047.8 | 1058.4 | 1074.9 | 1084.9 |
| G22.0 | 1045.7 | 1033.3 | 1029.3 | 1034.2 | 1043.6 | 1048.6 | 1054.7 | 1065.9 | 1084.0 | 1093.8 |
| G23.0 | 1052.5 | 1038.7 | 1034.5 | 1041.1 | 1051.4 | 1056.3 | 1061.4 | 1074.4 | 1093.9 | 1104.0 |
| G24.0 | 1059.3 | 1045.0 | 1039.1 | 1048.2 | 1059.3 | 1063.6 | 1068.7 | 1083.1 | 1104.2 | 1114.8 |
| G25.0 | 1067.2 | 1051.3 | 1045.0 | 1054.9 | 1066.7 | 1071.7 | 1076.0 | 1092.0 | 1115.5 | 1125.3 |
| G26.0 | 1075.6 | 1058.6 | 1050.4 | 1062.3 | 1075.0 | 1080.0 | 1084.1 | 1102.0 | 1127.6 | 1137.9 |
| G27.0 | 1084.4 | 1065.5 | 1057.5 | 1069.9 | 1083.5 | 1089.2 | 1093.2 | 1112.8 | 1140.7 | 1150.2 |
| G28.0 | 1093.9 | 1073.8 | 1064.4 | 1077.5 | 1092.1 | 1098.5 | 1102.0 | 1123.3 | 1153.9 | 1163.0 |
| G29.0 | 1104.3 | 1081.8 | 1071.3 | 1085.2 | 1101.4 | 1107.6 | 1111.8 | 1135.2 | 1169.3 | 1178.1 |
| G30.0 | 1115.1 | 1091.2 | 1078.5 | 1093.5 | 1111.1 | 1117.5 | 1121.6 | 1148.1 | 1185.8 | 1193.2 |
| G31.0 | 1126.7 | 1100.4 | 1086.8 | 1101.2 | 1120.5 | 1127.0 | 1132.2 | 1161.5 | 1202.8 | 1210.0 |
| G32.0 | 1140.2 | 1111.0 | 1094.7 | 1109.8 | 1130.7 | 1137.4 | 1142.7 | 1175.8 | 1220.9 | 1227.4 |
| G33.0 | 1154.0 | 1122.4 | 1103.9 | 1118.7 | 1141.2 | 1147.4 | 1154.8 | 1192.1 | 1241.1 | 1246.4 |
| G34.0 | 1169.2 | 1134.3 | 1112.5 | 1127.6 | 1152.0 | 1158.2 | 1166.3 | 1208.2 | 1261.9 | 1266.8 |
| G35.0 | 1184.8 | 1146.6 | 1121.5 | 1137.3 | 1164.2 | 1170.0 | 1178.1 | 1225.0 | 1285.5 | 1286.9 |
| G36.0 | 1204.0 | 1160.5 | 1131.2 | 1146.9 | 1177.2 | 1181.6 | 1191.8 | 1244.4 | 1309.6 | 1310.7 |

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 8.190 m

Humidity:

Inspector:

## Candlepower Table (Continue 1)

Unit: cd

| G\C   | C0.0   | C22.5  | C45.0  | C67.5  | C90.0  | C112.5 | C135.0 | C157.5 | C180.0 | C202.5 |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| G37.0 | 1223.0 | 1174.5 | 1140.9 | 1157.4 | 1189.9 | 1194.0 | 1204.0 | 1264.5 | 1336.0 | 1334.8 |
| G38.0 | 1243.9 | 1190.3 | 1151.5 | 1168.1 | 1204.4 | 1207.6 | 1219.3 | 1285.5 | 1365.4 | 1360.3 |
| G39.0 | 1266.4 | 1208.0 | 1162.2 | 1181.0 | 1221.4 | 1221.7 | 1233.8 | 1309.4 | 1395.0 | 1388.7 |
| G40.0 | 1291.4 | 1225.9 | 1173.4 | 1194.0 | 1238.8 | 1237.9 | 1248.8 | 1334.3 | 1429.5 | 1418.8 |
| G41.0 | 1319.5 | 1246.1 | 1185.3 | 1207.8 | 1257.6 | 1253.4 | 1265.2 | 1361.2 | 1464.8 | 1450.8 |
| G42.0 | 1349.1 | 1267.1 | 1197.8 | 1224.6 | 1279.6 | 1271.8 | 1283.9 | 1391.0 | 1505.7 | 1484.8 |
| G43.0 | 1382.2 | 1292.8 | 1212.2 | 1242.0 | 1302.8 | 1291.8 | 1302.6 | 1423.7 | 1548.2 | 1523.3 |
| G44.0 | 1419.8 | 1317.7 | 1225.4 | 1262.4 | 1329.2 | 1312.3 | 1321.9 | 1456.5 | 1593.5 | 1563.5 |
| G45.0 | 1461.3 | 1347.9 | 1242.6 | 1285.2 | 1360.4 | 1337.4 | 1344.8 | 1496.4 | 1646.7 | 1610.0 |
| G46.0 | 1507.9 | 1381.0 | 1261.2 | 1310.6 | 1393.8 | 1364.4 | 1370.7 | 1539.8 | 1707.5 | 1661.7 |
| G47.0 | 1558.9 | 1419.1 | 1280.9 | 1338.5 | 1430.4 | 1394.6 | 1399.3 | 1589.0 | 1770.5 | 1717.4 |
| G48.0 | 1616.9 | 1461.1 | 1305.7 | 1371.1 | 1472.4 | 1428.9 | 1430.1 | 1642.1 | 1840.6 | 1778.5 |
| G49.0 | 1683.7 | 1509.4 | 1332.6 | 1407.7 | 1519.3 | 1469.7 | 1466.4 | 1702.8 | 1919.0 | 1850.1 |
| G50.0 | 1760.8 | 1562.5 | 1363.5 | 1451.4 | 1571.7 | 1512.7 | 1504.7 | 1765.7 | 2002.5 | 1925.3 |
| G51.0 | 1841.7 | 1626.1 | 1397.3 | 1500.1 | 1626.6 | 1562.4 | 1550.9 | 1839.0 | 2088.5 | 2013.1 |
| G52.0 | 1935.5 | 1697.8 | 1440.3 | 1553.3 | 1682.4 | 1620.1 | 1604.6 | 1916.9 | 2179.3 | 2105.0 |
| G53.0 | 2030.9 | 1783.8 | 1488.7 | 1610.9 | 1737.9 | 1680.9 | 1660.3 | 2001.8 | 2274.1 | 2207.1 |
| G54.0 | 2128.4 | 1870.6 | 1545.1 | 1673.2 | 1791.2 | 1745.9 | 1730.8 | 2091.3 | 2360.3 | 2308.3 |
| G55.0 | 2227.2 | 1971.0 | 1612.9 | 1737.4 | 1841.4 | 1815.2 | 1808.7 | 2184.8 | 2443.5 | 2416.1 |
| G56.0 | 2318.6 | 2076.1 | 1686.7 | 1800.1 | 1886.0 | 1881.5 | 1892.9 | 2276.3 | 2516.6 | 2524.9 |
| G57.0 | 2394.5 | 2178.4 | 1773.0 | 1859.7 | 1924.1 | 1948.1 | 1989.2 | 2362.3 | 2568.5 | 2624.7 |
| G58.0 | 2452.3 | 2278.3 | 1878.1 | 1916.9 | 1957.2 | 2016.6 | 2102.5 | 2443.3 | 2599.3 | 2712.9 |
| G59.0 | 2486.4 | 2372.9 | 1993.4 | 1969.5 | 1982.0 | 2078.6 | 2222.0 | 2506.3 | 2602.3 | 2787.0 |
| G60.0 | 2491.6 | 2446.0 | 2120.7 | 2018.3 | 1996.6 | 2135.1 | 2347.0 | 2549.6 | 2574.9 | 2836.9 |
| G61.0 | 2465.6 | 2500.8 | 2265.6 | 2060.4 | 1997.1 | 2187.3 | 2485.8 | 2571.6 | 2518.0 | 2863.9 |
| G62.0 | 2411.8 | 2530.5 | 2424.6 | 2090.5 | 1981.4 | 2230.6 | 2629.4 | 2566.5 | 2438.1 | 2861.9 |
| G63.0 | 2334.7 | 2535.8 | 2582.5 | 2105.8 | 1946.7 | 2257.1 | 2765.9 | 2535.2 | 2338.1 | 2830.8 |
| G64.0 | 2236.5 | 2514.3 | 2736.1 | 2102.3 | 1893.7 | 2266.2 | 2890.6 | 2481.2 | 2228.9 | 2778.4 |
| G65.0 | 2120.1 | 2467.3 | 2872.7 | 2077.9 | 1823.3 | 2253.7 | 2994.3 | 2408.9 | 2101.2 | 2702.1 |
| G66.0 | 1996.9 | 2398.2 | 2991.0 | 2034.9 | 1736.7 | 2215.4 | 3073.4 | 2318.3 | 1957.0 | 2608.3 |
| G67.0 | 1856.2 | 2309.5 | 3073.7 | 1964.8 | 1639.2 | 2153.7 | 3116.2 | 2212.3 | 1812.2 | 2491.8 |
| G68.0 | 1711.7 | 2201.1 | 3116.6 | 1879.7 | 1534.3 | 2064.1 | 3118.3 | 2086.0 | 1667.2 | 2346.5 |
| G69.0 | 1570.8 | 2076.4 | 3104.7 | 1777.5 | 1424.0 | 1959.4 | 3076.0 | 1951.8 | 1513.8 | 2183.6 |
| G70.0 | 1435.5 | 1935.1 | 3042.0 | 1664.4 | 1312.4 | 1837.2 | 2995.7 | 1807.8 | 1371.3 | 2014.2 |
| G71.0 | 1293.8 | 1788.8 | 2927.3 | 1543.5 | 1200.3 | 1710.5 | 2870.1 | 1663.5 | 1226.3 | 1825.2 |
| G72.0 | 1164.8 | 1633.4 | 2764.3 | 1422.8 | 1094.1 | 1570.3 | 2702.2 | 1508.6 | 1097.3 | 1644.7 |
| G73.0 | 1044.1 | 1490.3 | 2575.1 | 1301.4 | 991.0  | 1434.4 | 2523.9 | 1369.5 | 974.6  | 1471.7 |

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 8.190 m

Humidity:

Inspector:

## Candlepower Table (Continue 2)

Unit: cd

| G\C    | C0.0  | C22.5  | C45.0  | C67.5  | C90.0 | C112.5 | C135.0 | C157.5 | C180.0 | C202.5 |
|--------|-------|--------|--------|--------|-------|--------|--------|--------|--------|--------|
| G74.0  | 932.1 | 1336.1 | 2359.4 | 1182.1 | 892.1 | 1300.5 | 2306.0 | 1223.4 | 867.6  | 1305.6 |
| G75.0  | 828.4 | 1197.8 | 2126.8 | 1067.8 | 799.6 | 1172.2 | 2081.3 | 1093.1 | 764.3  | 1153.2 |
| G76.0  | 730.9 | 1073.2 | 1895.5 | 957.7  | 712.8 | 1055.6 | 1858.5 | 973.8  | 670.4  | 1015.0 |
| G77.0  | 644.0 | 952.4  | 1656.1 | 857.7  | 634.1 | 944.3  | 1636.2 | 859.5  | 581.3  | 881.4  |
| G78.0  | 566.1 | 834.6  | 1446.4 | 763.1  | 561.9 | 835.6  | 1418.8 | 746.3  | 506.8  | 764.5  |
| G79.0  | 493.8 | 736.1  | 1255.5 | 676.9  | 494.6 | 740.5  | 1238.7 | 649.9  | 436.8  | 657.2  |
| G80.0  | 427.2 | 635.6  | 1085.2 | 593.2  | 431.1 | 652.0  | 1056.6 | 561.6  | 373.3  | 563.6  |
| G81.0  | 364.1 | 549.8  | 935.0  | 517.7  | 372.8 | 568.3  | 902.1  | 480.8  | 316.7  | 474.5  |
| G82.0  | 309.2 | 471.7  | 790.3  | 445.2  | 312.2 | 490.8  | 753.0  | 410.6  | 262.9  | 399.3  |
| G83.0  | 257.3 | 400.8  | 664.1  | 376.4  | 262.6 | 410.8  | 625.3  | 344.4  | 217.3  | 332.7  |
| G84.0  | 209.4 | 326.5  | 518.1  | 319.4  | 217.9 | 348.0  | 510.9  | 279.5  | 171.6  | 266.3  |
| G85.0  | 165.4 | 264.2  | 413.5  | 256.2  | 166.4 | 283.4  | 395.7  | 217.8  | 135.1  | 190.9  |
| G86.0  | 124.9 | 208.2  | 316.1  | 189.4  | 122.9 | 212.1  | 309.1  | 170.4  | 101.7  | 143.7  |
| G87.0  | 86.3  | 149.1  | 194.8  | 138.2  | 88.6  | 153.6  | 205.1  | 123.5  | 64.9   | 94.7   |
| G88.0  | 50.5  | 97.7   | 117.8  | 71.9   | 47.3  | 89.9   | 123.1  | 90.0   | 33.2   | 60.2   |
| G89.0  | 14.9  | 45.7   | 46.0   | 27.1   | 19.3  | 36.6   | 63.6   | 41.5   | 9.5    | 32.7   |
| G90.0  | 7.0   | 8.1    | 8.4    | 7.1    | 5.4   | 7.1    | 10.8   | 10.5   | 4.3    | 5.4    |
| G91.0  | 6.4   | 8.2    | 8.4    | 7.1    | 5.6   | 6.8    | 8.3    | 7.4    | 4.8    | 5.5    |
| G92.0  | 6.7   | 7.8    | 8.4    | 7.2    | 6.1   | 7.3    | 8.3    | 7.6    | 5.1    | 5.6    |
| G93.0  | 7.0   | 8.2    | 8.7    | 7.4    | 6.3   | 7.5    | 8.4    | 8.0    | 5.4    | 6.1    |
| G94.0  | 7.3   | 8.6    | 9.0    | 7.9    | 6.8   | 7.7    | 8.8    | 8.3    | 5.5    | 6.3    |
| G95.0  | 7.8   | 8.8    | 9.2    | 8.1    | 7.0   | 8.2    | 9.0    | 8.7    | 6.0    | 6.5    |
| G96.0  | 8.2   | 9.3    | 9.5    | 8.7    | 7.4   | 8.4    | 9.3    | 8.6    | 6.2    | 6.9    |
| G97.0  | 8.2   | 9.5    | 9.6    | 8.8    | 7.7   | 8.9    | 9.3    | 9.1    | 6.3    | 6.7    |
| G98.0  | 8.7   | 10.1   | 10.2   | 9.0    | 8.0   | 9.0    | 9.8    | 9.3    | 6.7    | 7.4    |
| G99.0  | 8.9   | 9.9    | 10.6   | 9.1    | 8.2   | 9.5    | 10.1   | 9.6    | 7.0    | 7.4    |
| G100.0 | 9.1   | 10.3   | 10.5   | 9.6    | 8.7   | 9.6    | 10.5   | 9.8    | 7.3    | 7.8    |
| G101.0 | 9.4   | 10.5   | 10.7   | 9.7    | 8.7   | 10.1   | 10.4   | 9.9    | 7.3    | 7.7    |
| G102.0 | 9.7   | 10.8   | 11.1   | 10.1   | 9.2   | 10.2   | 10.8   | 9.9    | 7.7    | 7.9    |
| G103.0 | 10.0  | 11.0   | 11.2   | 10.3   | 9.7   | 10.5   | 11.0   | 10.5   | 7.8    | 8.4    |
| G104.0 | 10.3  | 11.3   | 11.2   | 10.6   | 9.7   | 10.8   | 11.1   | 10.2   | 7.9    | 8.5    |
| G105.0 | 10.2  | 11.4   | 11.4   | 10.6   | 10.1  | 11.1   | 11.1   | 10.8   | 8.5    | 8.6    |
| G106.0 | 10.5  | 11.4   | 11.8   | 10.8   | 10.2  | 11.2   | 11.3   | 10.8   | 8.4    | 8.7    |
| G107.0 | 10.8  | 11.8   | 11.8   | 11.2   | 10.5  | 11.5   | 11.6   | 10.7   | 8.9    | 8.9    |
| G108.0 | 11.1  | 11.5   | 11.8   | 11.5   | 10.8  | 11.5   | 11.4   | 11.1   | 8.8    | 9.0    |
| G109.0 | 11.0  | 11.9   | 12.0   | 11.4   | 11.0  | 11.5   | 11.9   | 11.2   | 8.9    | 9.2    |
| G110.0 | 11.1  | 12.1   | 11.9   | 11.5   | 11.1  | 12.0   | 11.8   | 11.4   | 9.1    | 9.5    |

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

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 8.190 m  
Humidity:  
Inspector:

## Candlepower Table (Continue 3)

Unit: cd

| G\C    | C0.0 | C22.5 | C45.0 | C67.5 | C90.0 | C112.5 | C135.0 | C157.5 | C180.0 | C202.5 |
|--------|------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| G111.0 | 11.3 | 12.3  | 12.1  | 11.7  | 11.4  | 11.9   | 11.7   | 11.4   | 9.2    | 9.5    |
| G112.0 | 11.6 | 12.1  | 12.1  | 11.8  | 11.6  | 12.1   | 11.8   | 11.2   | 9.5    | 9.5    |
| G113.0 | 11.6 | 12.2  | 12.4  | 12.1  | 11.9  | 12.2   | 11.7   | 11.6   | 9.6    | 9.4    |
| G114.0 | 11.9 | 12.1  | 12.2  | 12.0  | 11.8  | 12.3   | 12.0   | 11.6   | 9.8    | 9.6    |
| G115.0 | 11.6 | 12.2  | 12.1  | 12.1  | 12.2  | 12.5   | 11.8   | 11.4   | 9.7    | 9.9    |
| G116.0 | 11.6 | 12.3  | 12.2  | 12.4  | 12.3  | 12.2   | 11.8   | 11.6   | 9.7    | 9.9    |
| G117.0 | 11.9 | 12.4  | 12.5  | 12.2  | 12.5  | 12.4   | 12.0   | 11.6   | 9.9    | 9.6    |
| G118.0 | 11.8 | 12.5  | 12.3  | 12.4  | 12.4  | 12.6   | 12.0   | 11.3   | 9.9    | 9.9    |
| G119.0 | 11.7 | 12.6  | 12.4  | 12.4  | 12.6  | 12.5   | 12.0   | 11.4   | 10.0   | 9.8    |
| G120.0 | 11.9 | 12.3  | 12.7  | 12.3  | 12.5  | 12.5   | 12.0   | 11.2   | 10.0   | 9.9    |
| G121.0 | 12.0 | 12.3  | 12.3  | 12.4  | 12.7  | 12.9   | 12.2   | 11.6   | 10.2   | 9.9    |
| G122.0 | 11.6 | 12.5  | 12.8  | 12.3  | 12.4  | 12.7   | 12.1   | 11.4   | 10.2   | 10.1   |
| G123.0 | 11.8 | 12.5  | 12.5  | 12.5  | 12.7  | 12.7   | 12.3   | 11.6   | 10.2   | 10.1   |
| G124.0 | 11.9 | 12.6  | 12.5  | 12.4  | 12.7  | 12.8   | 12.2   | 11.8   | 10.3   | 10.3   |
| G125.0 | 12.0 | 12.7  | 12.8  | 12.6  | 12.5  | 12.7   | 12.3   | 11.7   | 10.4   | 10.4   |
| G126.0 | 11.9 | 12.6  | 12.7  | 12.4  | 12.9  | 12.8   | 12.4   | 11.6   | 10.2   | 10.3   |
| G127.0 | 12.0 | 12.7  | 12.7  | 12.5  | 12.7  | 12.8   | 12.5   | 11.8   | 10.5   | 10.7   |
| G128.0 | 11.9 | 12.9  | 12.9  | 12.8  | 12.7  | 13.0   | 12.6   | 11.8   | 10.6   | 10.8   |
| G129.0 | 11.9 | 12.8  | 12.7  | 12.6  | 12.8  | 12.8   | 12.7   | 11.6   | 10.8   | 11.1   |
| G130.0 | 11.7 | 12.9  | 13.0  | 12.7  | 13.0  | 12.8   | 13.1   | 11.7   | 10.8   | 11.1   |
| G131.0 | 11.7 | 12.8  | 12.9  | 12.6  | 12.8  | 13.0   | 12.6   | 11.7   | 10.8   | 11.3   |
| G132.0 | 11.7 | 12.8  | 13.1  | 12.5  | 12.9  | 13.1   | 12.9   | 11.9   | 11.2   | 11.3   |
| G133.0 | 12.0 | 12.9  | 13.1  | 12.9  | 12.8  | 13.0   | 12.8   | 12.1   | 11.1   | 11.7   |
| G134.0 | 12.0 | 13.0  | 13.4  | 12.8  | 13.0  | 13.0   | 13.0   | 12.0   | 11.0   | 11.4   |
| G135.0 | 11.9 | 12.8  | 13.1  | 12.6  | 12.9  | 12.9   | 13.1   | 12.1   | 11.3   | 11.7   |
| G136.0 | 11.7 | 13.0  | 13.1  | 12.6  | 12.6  | 12.8   | 13.1   | 11.8   | 11.3   | 12.0   |
| G137.0 | 11.7 | 12.9  | 13.4  | 13.0  | 12.8  | 12.9   | 12.9   | 12.1   | 11.4   | 12.2   |
| G138.0 | 11.9 | 12.8  | 13.3  | 12.9  | 12.7  | 12.8   | 13.0   | 12.0   | 11.6   | 12.2   |
| G139.0 | 11.7 | 13.0  | 13.5  | 13.0  | 12.5  | 12.8   | 12.8   | 12.2   | 11.6   | 12.2   |
| G140.0 | 11.9 | 12.9  | 13.3  | 12.7  | 12.6  | 12.7   | 13.0   | 12.0   | 11.7   | 12.3   |
| G141.0 | 11.7 | 12.8  | 13.4  | 13.0  | 12.8  | 12.6   | 13.2   | 12.1   | 11.5   | 12.3   |
| G142.0 | 11.7 | 12.5  | 13.3  | 12.9  | 12.6  | 12.7   | 12.7   | 11.8   | 11.7   | 12.2   |
| G143.0 | 11.7 | 12.7  | 13.3  | 12.8  | 12.4  | 12.5   | 12.7   | 11.6   | 11.9   | 12.0   |
| G144.0 | 11.7 | 12.5  | 13.0  | 12.7  | 12.4  | 12.3   | 12.4   | 11.7   | 11.7   | 12.3   |
| G145.0 | 12.0 | 12.4  | 13.0  | 12.4  | 12.5  | 12.4   | 12.3   | 11.7   | 11.7   | 12.1   |
| G146.0 | 11.9 | 12.3  | 12.8  | 12.4  | 12.1  | 12.1   | 12.4   | 11.5   | 11.7   | 12.0   |
| G147.0 | 11.4 | 12.1  | 12.8  | 12.0  | 12.0  | 12.0   | 12.0   | 11.5   | 11.6   | 11.8   |

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 8.190 m

Humidity:

Inspector:

## Candlepower Table (Continue 4)

Unit: cd

| G\C    | C0.0 | C22.5 | C45.0 | C67.5 | C90.0 | C112.5 | C135.0 | C157.5 | C180.0 | C202.5 |
|--------|------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| G148.0 | 11.3 | 12.1  | 12.3  | 12.0  | 11.8  | 11.7   | 12.0   | 11.5   | 11.4   | 11.5   |
| G149.0 | 11.5 | 11.8  | 12.3  | 11.9  | 11.6  | 11.7   | 11.9   | 11.3   | 11.4   | 11.7   |
| G150.0 | 11.0 | 11.5  | 11.9  | 11.8  | 11.7  | 11.5   | 11.5   | 11.1   | 11.1   | 11.2   |
| G151.0 | 11.1 | 11.4  | 11.9  | 11.8  | 11.4  | 11.5   | 11.6   | 10.9   | 11.0   | 11.1   |
| G152.0 | 10.8 | 11.3  | 11.5  | 11.5  | 11.4  | 11.2   | 11.1   | 10.7   | 10.8   | 11.0   |
| G153.0 | 10.8 | 11.0  | 11.5  | 11.4  | 11.2  | 11.2   | 11.1   | 10.5   | 11.1   | 10.9   |
| G154.0 | 10.7 | 10.8  | 11.3  | 11.1  | 10.9  | 11.1   | 11.1   | 10.3   | 10.5   | 10.5   |
| G155.0 | 10.4 | 10.8  | 11.1  | 11.1  | 10.9  | 10.9   | 10.7   | 10.1   | 10.3   | 10.2   |
| G156.0 | 10.3 | 11.0  | 10.9  | 10.8  | 10.9  | 10.8   | 10.7   | 10.1   | 10.2   | 10.1   |
| G157.0 | 10.1 | 10.2  | 10.9  | 10.8  | 10.6  | 10.7   | 10.5   | 10.0   | 10.0   | 10.4   |
| G158.0 | 10.1 | 10.5  | 10.8  | 10.6  | 10.5  | 10.3   | 10.4   | 9.9    | 9.8    | 10.1   |
| G159.0 | 10.0 | 10.2  | 10.7  | 10.5  | 10.5  | 10.4   | 10.2   | 9.9    | 9.7    | 9.5    |
| G160.0 | 9.8  | 10.0  | 10.3  | 10.2  | 10.1  | 10.4   | 10.3   | 9.6    | 9.8    | 9.8    |
| G161.0 | 9.6  | 10.2  | 10.2  | 10.3  | 10.2  | 10.1   | 10.3   | 9.6    | 9.6    | 9.6    |
| G162.0 | 9.7  | 9.9   | 10.1  | 10.5  | 10.2  | 10.2   | 9.8    | 9.9    | 9.4    | 9.6    |
| G163.0 | 9.7  | 9.8   | 10.3  | 10.1  | 9.8   | 10.3   | 10.0   | 9.6    | 9.3    | 9.6    |
| G164.0 | 9.5  | 9.8   | 10.1  | 10.0  | 9.9   | 9.9    | 9.9    | 9.4    | 9.3    | 9.3    |
| G165.0 | 9.4  | 9.8   | 9.9   | 10.0  | 9.8   | 9.9    | 9.6    | 9.3    | 9.1    | 9.3    |
| G166.0 | 9.3  | 9.6   | 9.9   | 9.9   | 9.6   | 9.8    | 9.9    | 9.3    | 9.1    | 9.3    |
| G167.0 | 9.4  | 9.5   | 10.0  | 9.8   | 9.8   | 9.8    | 9.8    | 9.3    | 9.2    | 9.2    |
| G168.0 | 9.4  | 9.3   | 9.9   | 10.0  | 9.4   | 9.9    | 9.6    | 9.3    | 8.9    | 9.3    |
| G169.0 | 9.4  | 9.6   | 9.8   | 9.7   | 9.5   | 9.5    | 9.5    | 9.5    | 8.9    | 9.2    |
| G170.0 | 9.4  | 9.5   | 9.9   | 9.8   | 9.6   | 9.7    | 9.5    | 9.2    | 8.9    | 9.2    |
| G171.0 | 9.4  | 9.3   | 9.8   | 9.8   | 9.5   | 9.5    | 9.4    | 9.5    | 9.1    | 9.1    |
| G172.0 | 9.1  | 9.5   | 9.5   | 9.8   | 9.3   | 9.5    | 9.5    | 9.4    | 9.1    | 9.1    |
| G173.0 | 9.4  | 9.5   | 9.5   | 9.6   | 9.5   | 9.5    | 9.5    | 9.1    | 8.9    | 9.1    |
| G174.0 | 9.5  | 9.4   | 9.7   | 9.6   | 9.3   | 9.2    | 9.4    | 9.2    | 9.1    | 8.9    |
| G175.0 | 9.4  | 9.2   | 9.5   | 9.5   | 9.3   | 9.4    | 9.5    | 9.3    | 8.9    | 9.2    |
| G176.0 | 9.4  | 9.3   | 9.5   | 9.7   | 9.0   | 9.4    | 9.3    | 9.2    | 8.9    | 9.2    |
| G177.0 | 9.5  | 9.3   | 9.5   | 9.5   | 9.2   | 9.4    | 9.6    | 9.3    | 9.2    | 9.3    |
| G178.0 | 9.4  | 9.5   | 9.5   | 9.6   | 9.2   | 9.5    | 9.4    | 9.1    | 8.9    | 9.2    |
| G179.0 | 9.2  | 9.2   | 9.2   | 9.4   | 9.3   | 9.0    | 9.3    | 9.2    | 8.9    | 9.3    |
| G180.0 | 9.4  | 9.3   | 9.6   | 9.5   | 9.3   | 9.5    | 9.5    | 9.1    | 9.0    | 9.1    |
|        |      |       |       |       |       |        |        |        |        |        |
|        |      |       |       |       |       |        |        |        |        |        |
|        |      |       |       |       |       |        |        |        |        |        |
|        |      |       |       |       |       |        |        |        |        |        |

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 8.190 m

Humidity:

Inspector:

## Candlepower Table (Continue 5)

Unit: cd

| G\C   | C225.0 | C247.5 | C270.0 | C292.5 | C315.0 | C337.5 | C360.0 |  |  |  |
|-------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| G0.0  | 982.6  | 982.6  | 982.6  | 982.6  | 982.6  | 982.6  | 982.6  |  |  |  |
| G1.0  | 984.6  | 984.3  | 984.7  | 983.6  | 984.2  | 982.9  | 982.1  |  |  |  |
| G2.0  | 986.4  | 987.0  | 986.7  | 986.1  | 985.4  | 983.3  | 982.4  |  |  |  |
| G3.0  | 988.7  | 989.3  | 989.6  | 988.3  | 987.2  | 984.5  | 982.6  |  |  |  |
| G4.0  | 992.0  | 992.9  | 992.7  | 991.4  | 989.5  | 986.2  | 983.3  |  |  |  |
| G5.0  | 995.0  | 996.7  | 996.5  | 995.4  | 991.8  | 987.2  | 983.9  |  |  |  |
| G6.0  | 998.8  | 1000.6 | 1001.1 | 998.7  | 995.1  | 989.7  | 985.2  |  |  |  |
| G7.0  | 1003.0 | 1005.0 | 1005.8 | 1003.7 | 998.8  | 992.1  | 987.2  |  |  |  |
| G8.0  | 1007.2 | 1010.3 | 1011.4 | 1008.0 | 1002.6 | 994.7  | 989.1  |  |  |  |
| G9.0  | 1012.2 | 1016.0 | 1017.2 | 1013.2 | 1007.1 | 997.8  | 991.0  |  |  |  |
| G10.0 | 1017.6 | 1022.2 | 1023.5 | 1019.5 | 1011.4 | 1001.2 | 993.5  |  |  |  |
| G11.0 | 1023.0 | 1028.5 | 1030.4 | 1025.9 | 1016.0 | 1004.9 | 996.4  |  |  |  |
| G12.0 | 1029.0 | 1035.9 | 1037.6 | 1033.0 | 1022.0 | 1008.9 | 999.4  |  |  |  |
| G13.0 | 1034.6 | 1042.6 | 1045.6 | 1039.6 | 1028.0 | 1013.2 | 1003.0 |  |  |  |
| G14.0 | 1041.6 | 1050.8 | 1054.0 | 1047.5 | 1034.1 | 1017.5 | 1006.1 |  |  |  |
| G15.0 | 1049.5 | 1059.3 | 1063.4 | 1055.9 | 1040.1 | 1022.1 | 1010.3 |  |  |  |
| G16.0 | 1056.5 | 1068.4 | 1072.7 | 1064.1 | 1047.0 | 1027.3 | 1014.5 |  |  |  |
| G17.0 | 1063.9 | 1077.3 | 1081.9 | 1073.2 | 1054.3 | 1032.8 | 1018.7 |  |  |  |
| G18.0 | 1072.3 | 1086.8 | 1092.1 | 1082.4 | 1061.1 | 1038.1 | 1023.6 |  |  |  |
| G19.0 | 1080.9 | 1096.6 | 1102.8 | 1092.5 | 1068.9 | 1044.1 | 1028.9 |  |  |  |
| G20.0 | 1090.4 | 1106.7 | 1114.2 | 1102.8 | 1077.2 | 1050.2 | 1034.6 |  |  |  |
| G21.0 | 1099.3 | 1118.0 | 1126.5 | 1113.6 | 1085.3 | 1056.2 | 1039.8 |  |  |  |
| G22.0 | 1108.9 | 1129.7 | 1139.4 | 1124.7 | 1094.3 | 1063.0 | 1045.7 |  |  |  |
| G23.0 | 1119.3 | 1142.2 | 1152.6 | 1136.6 | 1103.9 | 1070.8 | 1052.5 |  |  |  |
| G24.0 | 1130.3 | 1154.6 | 1165.9 | 1149.5 | 1113.4 | 1078.6 | 1059.3 |  |  |  |
| G25.0 | 1141.8 | 1167.5 | 1180.4 | 1162.2 | 1123.4 | 1086.9 | 1067.2 |  |  |  |
| G26.0 | 1153.3 | 1181.7 | 1195.1 | 1175.1 | 1133.8 | 1096.4 | 1075.6 |  |  |  |
| G27.0 | 1166.0 | 1195.8 | 1211.0 | 1189.4 | 1145.3 | 1104.8 | 1084.4 |  |  |  |
| G28.0 | 1178.8 | 1211.2 | 1226.8 | 1204.3 | 1156.2 | 1114.7 | 1093.9 |  |  |  |
| G29.0 | 1192.5 | 1226.6 | 1245.1 | 1219.1 | 1168.5 | 1125.7 | 1104.3 |  |  |  |
| G30.0 | 1207.6 | 1244.2 | 1263.4 | 1235.1 | 1181.7 | 1136.9 | 1115.1 |  |  |  |
| G31.0 | 1222.5 | 1261.4 | 1282.2 | 1251.8 | 1194.7 | 1148.8 | 1126.7 |  |  |  |
| G32.0 | 1239.2 | 1279.3 | 1302.3 | 1268.7 | 1209.2 | 1161.6 | 1140.2 |  |  |  |
| G33.0 | 1256.0 | 1299.1 | 1324.4 | 1287.4 | 1223.8 | 1176.0 | 1154.0 |  |  |  |
| G34.0 | 1274.2 | 1319.2 | 1347.3 | 1306.2 | 1239.3 | 1190.8 | 1169.2 |  |  |  |
| G35.0 | 1292.4 | 1341.6 | 1372.5 | 1327.2 | 1254.8 | 1206.7 | 1184.8 |  |  |  |
| G36.0 | 1312.8 | 1364.2 | 1399.2 | 1349.8 | 1272.6 | 1224.2 | 1204.0 |  |  |  |

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 8.190 m

Humidity:

Inspector:

## Candlepower Table (Continue 6)

Unit: cd

| G\C   | C225.0 | C247.5 | C270.0 | C292.5 | C315.0 | C337.5 | C360.0 |  |  |  |
|-------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| G37.0 | 1333.8 | 1389.5 | 1429.5 | 1372.9 | 1290.1 | 1242.8 | 1223.0 |  |  |  |
| G38.0 | 1355.2 | 1416.7 | 1460.2 | 1397.7 | 1308.7 | 1262.4 | 1243.9 |  |  |  |
| G39.0 | 1378.8 | 1446.4 | 1495.8 | 1425.2 | 1328.6 | 1284.3 | 1266.4 |  |  |  |
| G40.0 | 1404.0 | 1477.7 | 1532.0 | 1455.5 | 1349.9 | 1307.6 | 1291.4 |  |  |  |
| G41.0 | 1429.7 | 1511.9 | 1573.4 | 1487.1 | 1371.5 | 1332.7 | 1319.5 |  |  |  |
| G42.0 | 1457.0 | 1550.9 | 1620.5 | 1522.2 | 1395.1 | 1359.6 | 1349.1 |  |  |  |
| G43.0 | 1488.4 | 1592.3 | 1670.3 | 1562.2 | 1422.0 | 1390.9 | 1382.2 |  |  |  |
| G44.0 | 1520.9 | 1640.4 | 1728.7 | 1604.4 | 1449.1 | 1423.3 | 1419.8 |  |  |  |
| G45.0 | 1558.3 | 1693.6 | 1792.8 | 1653.2 | 1481.1 | 1461.0 | 1461.3 |  |  |  |
| G46.0 | 1600.6 | 1751.7 | 1862.8 | 1710.0 | 1515.4 | 1501.5 | 1507.9 |  |  |  |
| G47.0 | 1646.0 | 1816.3 | 1938.2 | 1767.2 | 1553.4 | 1547.1 | 1558.9 |  |  |  |
| G48.0 | 1696.2 | 1890.9 | 2019.4 | 1837.5 | 1598.3 | 1600.7 | 1616.9 |  |  |  |
| G49.0 | 1754.5 | 1973.2 | 2106.5 | 1914.3 | 1648.2 | 1658.8 | 1683.7 |  |  |  |
| G50.0 | 1817.6 | 2057.4 | 2194.4 | 1993.3 | 1704.5 | 1727.3 | 1760.8 |  |  |  |
| G51.0 | 1889.1 | 2148.6 | 2278.0 | 2085.7 | 1767.6 | 1805.7 | 1841.7 |  |  |  |
| G52.0 | 1975.0 | 2248.7 | 2359.5 | 2177.7 | 1839.5 | 1892.1 | 1935.5 |  |  |  |
| G53.0 | 2066.8 | 2342.1 | 2426.3 | 2269.7 | 1921.5 | 1986.3 | 2030.9 |  |  |  |
| G54.0 | 2173.5 | 2431.0 | 2483.5 | 2361.1 | 2016.3 | 2090.9 | 2128.4 |  |  |  |
| G55.0 | 2292.6 | 2515.3 | 2523.9 | 2447.0 | 2125.4 | 2200.9 | 2227.2 |  |  |  |
| G56.0 | 2419.1 | 2589.8 | 2542.5 | 2520.3 | 2243.0 | 2310.6 | 2318.6 |  |  |  |
| G57.0 | 2566.5 | 2645.6 | 2538.9 | 2580.9 | 2375.1 | 2417.2 | 2394.5 |  |  |  |
| G58.0 | 2717.1 | 2683.1 | 2512.3 | 2625.4 | 2524.5 | 2521.3 | 2452.3 |  |  |  |
| G59.0 | 2877.9 | 2695.2 | 2459.3 | 2647.4 | 2683.1 | 2608.7 | 2486.4 |  |  |  |
| G60.0 | 3033.2 | 2681.5 | 2381.1 | 2644.9 | 2839.7 | 2673.9 | 2491.6 |  |  |  |
| G61.0 | 3192.9 | 2641.6 | 2282.9 | 2614.7 | 3008.1 | 2715.3 | 2465.6 |  |  |  |
| G62.0 | 3333.4 | 2569.8 | 2157.6 | 2558.3 | 3160.4 | 2728.9 | 2411.8 |  |  |  |
| G63.0 | 3446.7 | 2477.9 | 2018.1 | 2476.7 | 3291.1 | 2714.3 | 2334.7 |  |  |  |
| G64.0 | 3526.7 | 2355.7 | 1860.4 | 2366.5 | 3394.4 | 2671.0 | 2236.5 |  |  |  |
| G65.0 | 3560.2 | 2208.0 | 1698.6 | 2229.1 | 3457.3 | 2601.0 | 2120.1 |  |  |  |
| G66.0 | 3540.0 | 2048.3 | 1546.3 | 2077.2 | 3468.2 | 2509.7 | 1996.9 |  |  |  |
| G67.0 | 3463.8 | 1885.0 | 1401.6 | 1915.7 | 3425.7 | 2395.4 | 1856.2 |  |  |  |
| G68.0 | 3332.9 | 1717.7 | 1261.6 | 1748.9 | 3324.9 | 2254.5 | 1711.7 |  |  |  |
| G69.0 | 3157.0 | 1564.6 | 1139.7 | 1589.0 | 3174.1 | 2099.5 | 1570.8 |  |  |  |
| G70.0 | 2957.1 | 1411.5 | 1022.3 | 1444.7 | 2989.5 | 1940.6 | 1435.5 |  |  |  |
| G71.0 | 2719.7 | 1272.6 | 918.6  | 1299.3 | 2762.6 | 1767.4 | 1293.8 |  |  |  |
| G72.0 | 2477.0 | 1141.8 | 816.7  | 1167.8 | 2523.3 | 1601.0 | 1164.8 |  |  |  |
| G73.0 | 2232.7 | 1015.5 | 727.1  | 1044.5 | 2279.9 | 1441.0 | 1044.1 |  |  |  |

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 8.190 m

Humidity:

Inspector:

## Candlepower Table (Continue 7)

Unit: cd

| G\C    | C225.0 | C247.5 | C270.0 | C292.5 | C315.0 | C337.5 | C360.0 |  |  |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| G74.0  | 1983.7 | 906.5  | 638.7  | 927.2  | 2022.4 | 1285.1 | 932.1  |  |  |  |
| G75.0  | 1736.3 | 797.6  | 527.1  | 816.9  | 1768.9 | 1140.9 | 828.4  |  |  |  |
| G76.0  | 1505.1 | 668.0  | 438.7  | 679.6  | 1535.3 | 1011.8 | 730.9  |  |  |  |
| G77.0  | 1294.7 | 548.0  | 385.1  | 562.5  | 1321.6 | 891.3  | 644.0  |  |  |  |
| G78.0  | 1100.1 | 478.8  | 335.3  | 491.6  | 1124.0 | 777.9  | 566.1  |  |  |  |
| G79.0  | 909.6  | 419.7  | 290.2  | 427.9  | 926.3  | 681.8  | 493.8  |  |  |  |
| G80.0  | 714.0  | 350.3  | 217.8  | 353.5  | 723.1  | 586.2  | 427.2  |  |  |  |
| G81.0  | 587.7  | 271.4  | 184.1  | 274.6  | 606.8  | 500.2  | 364.1  |  |  |  |
| G82.0  | 486.9  | 231.7  | 154.3  | 234.2  | 502.9  | 419.2  | 309.2  |  |  |  |
| G83.0  | 365.5  | 191.9  | 106.7  | 193.8  | 365.4  | 351.8  | 257.3  |  |  |  |
| G84.0  | 290.3  | 136.6  | 80.8   | 136.5  | 291.0  | 283.2  | 209.4  |  |  |  |
| G85.0  | 217.1  | 91.5   | 41.3   | 82.1   | 193.5  | 203.6  | 165.4  |  |  |  |
| G86.0  | 153.9  | 48.2   | 12.5   | 46.2   | 126.2  | 145.5  | 124.9  |  |  |  |
| G87.0  | 79.4   | 21.1   | 3.9    | 18.2   | 57.8   | 93.5   | 86.3   |  |  |  |
| G88.0  | 33.5   | 11.5   | 3.7    | 10.2   | 25.4   | 53.5   | 50.5   |  |  |  |
| G89.0  | 10.4   | 5.4    | 4.0    | 5.0    | 7.2    | 19.7   | 14.9   |  |  |  |
| G90.0  | 5.9    | 4.8    | 4.0    | 5.0    | 6.0    | 5.4    | 7.0    |  |  |  |
| G91.0  | 5.9    | 5.2    | 4.5    | 5.4    | 6.2    | 5.4    | 6.4    |  |  |  |
| G92.0  | 6.1    | 5.4    | 4.5    | 5.7    | 6.4    | 5.8    | 6.7    |  |  |  |
| G93.0  | 6.2    | 5.7    | 4.9    | 5.9    | 6.6    | 6.1    | 7.0    |  |  |  |
| G94.0  | 6.7    | 5.9    | 5.1    | 6.2    | 6.9    | 6.3    | 7.3    |  |  |  |
| G95.0  | 6.8    | 6.1    | 5.5    | 6.4    | 7.0    | 6.4    | 7.8    |  |  |  |
| G96.0  | 7.0    | 6.5    | 5.6    | 6.5    | 7.3    | 6.8    | 8.2    |  |  |  |
| G97.0  | 7.3    | 6.7    | 5.8    | 6.7    | 7.8    | 6.8    | 8.2    |  |  |  |
| G98.0  | 7.3    | 6.5    | 5.9    | 7.3    | 7.8    | 7.2    | 8.7    |  |  |  |
| G99.0  | 7.5    | 6.8    | 6.2    | 7.1    | 8.0    | 7.5    | 8.9    |  |  |  |
| G100.0 | 7.7    | 7.3    | 6.8    | 7.4    | 8.1    | 7.8    | 9.1    |  |  |  |
| G101.0 | 7.9    | 7.4    | 6.7    | 7.6    | 8.3    | 8.2    | 9.4    |  |  |  |
| G102.0 | 8.2    | 7.7    | 6.8    | 7.8    | 8.6    | 8.3    | 9.7    |  |  |  |
| G103.0 | 8.4    | 7.7    | 7.3    | 8.1    | 8.7    | 8.4    | 10.0   |  |  |  |
| G104.0 | 8.4    | 8.0    | 7.3    | 8.4    | 8.6    | 8.7    | 10.3   |  |  |  |
| G105.0 | 8.6    | 8.3    | 7.6    | 8.6    | 8.9    | 9.1    | 10.2   |  |  |  |
| G106.0 | 8.6    | 8.1    | 7.7    | 8.4    | 9.0    | 9.1    | 10.5   |  |  |  |
| G107.0 | 8.8    | 8.6    | 7.8    | 8.5    | 9.1    | 9.2    | 10.8   |  |  |  |
| G108.0 | 8.7    | 8.6    | 7.9    | 8.8    | 9.4    | 9.3    | 11.1   |  |  |  |
| G109.0 | 8.8    | 8.7    | 8.3    | 8.7    | 9.2    | 9.7    | 11.0   |  |  |  |
| G110.0 | 9.2    | 8.9    | 8.4    | 9.0    | 9.4    | 9.8    | 11.1   |  |  |  |

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 8.190 m

Humidity:

Inspector:

## Candlepower Table (Continue 8)

Unit: cd

| G\C    | C225.0 | C247.5 | C270.0 | C292.5 | C315.0 | C337.5 | C360.0 |  |  |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| G111.0 | 9.0    | 9.2    | 8.6    | 9.0    | 9.5    | 9.9    | 11.3   |  |  |  |
| G112.0 | 9.2    | 9.3    | 8.6    | 9.2    | 9.8    | 10.1   | 11.6   |  |  |  |
| G113.0 | 9.5    | 9.4    | 9.0    | 9.4    | 9.8    | 10.0   | 11.6   |  |  |  |
| G114.0 | 9.3    | 9.4    | 8.9    | 9.6    | 9.8    | 10.2   | 11.9   |  |  |  |
| G115.0 | 9.5    | 9.4    | 9.1    | 9.6    | 9.8    | 10.3   | 11.6   |  |  |  |
| G116.0 | 9.4    | 9.6    | 9.3    | 9.5    | 10.1   | 10.3   | 11.6   |  |  |  |
| G117.0 | 9.6    | 9.9    | 9.2    | 9.6    | 10.2   | 10.5   | 11.9   |  |  |  |
| G118.0 | 9.8    | 10.1   | 9.3    | 9.9    | 10.1   | 10.6   | 11.8   |  |  |  |
| G119.0 | 10.1   | 10.1   | 9.3    | 10.1   | 10.2   | 10.5   | 11.7   |  |  |  |
| G120.0 | 10.0   | 10.3   | 9.4    | 10.2   | 10.5   | 10.7   | 11.9   |  |  |  |
| G121.0 | 10.4   | 10.3   | 9.7    | 10.2   | 10.7   | 10.8   | 12.0   |  |  |  |
| G122.0 | 10.1   | 10.4   | 9.7    | 10.1   | 10.5   | 10.7   | 11.6   |  |  |  |
| G123.0 | 10.5   | 10.5   | 9.8    | 10.4   | 10.9   | 10.9   | 11.8   |  |  |  |
| G124.0 | 10.8   | 10.9   | 9.8    | 10.3   | 11.0   | 11.2   | 11.9   |  |  |  |
| G125.0 | 10.9   | 10.6   | 10.2   | 10.6   | 10.8   | 11.2   | 12.0   |  |  |  |
| G126.0 | 11.1   | 10.7   | 10.2   | 10.7   | 11.0   | 11.2   | 11.9   |  |  |  |
| G127.0 | 11.4   | 10.8   | 10.1   | 10.6   | 11.3   | 11.4   | 12.0   |  |  |  |
| G128.0 | 11.4   | 10.8   | 10.0   | 10.7   | 11.5   | 11.3   | 11.9   |  |  |  |
| G129.0 | 11.7   | 10.9   | 10.1   | 10.9   | 11.8   | 11.8   | 11.9   |  |  |  |
| G130.0 | 11.5   | 11.0   | 10.3   | 11.1   | 11.8   | 11.5   | 11.7   |  |  |  |
| G131.0 | 11.7   | 11.2   | 10.2   | 11.4   | 12.1   | 11.8   | 11.7   |  |  |  |
| G132.0 | 12.1   | 11.2   | 10.5   | 11.1   | 12.3   | 11.9   | 11.7   |  |  |  |
| G133.0 | 12.3   | 11.1   | 10.5   | 11.4   | 12.3   | 12.0   | 12.0   |  |  |  |
| G134.0 | 12.4   | 11.1   | 10.5   | 11.4   | 12.4   | 12.2   | 12.0   |  |  |  |
| G135.0 | 12.4   | 11.4   | 10.7   | 11.4   | 12.7   | 12.1   | 11.9   |  |  |  |
| G136.0 | 12.4   | 11.4   | 10.6   | 11.8   | 12.8   | 12.0   | 11.7   |  |  |  |
| G137.0 | 12.7   | 11.3   | 10.8   | 11.8   | 13.0   | 12.2   | 11.7   |  |  |  |
| G138.0 | 12.7   | 11.3   | 10.8   | 11.7   | 12.9   | 12.4   | 11.9   |  |  |  |
| G139.0 | 12.5   | 11.5   | 10.8   | 11.7   | 13.0   | 12.1   | 11.7   |  |  |  |
| G140.0 | 12.7   | 11.7   | 10.8   | 11.9   | 13.0   | 12.3   | 11.9   |  |  |  |
| G141.0 | 12.7   | 11.3   | 10.9   | 11.9   | 12.9   | 12.4   | 11.7   |  |  |  |
| G142.0 | 12.4   | 11.3   | 10.7   | 12.1   | 13.2   | 12.5   | 11.7   |  |  |  |
| G143.0 | 12.6   | 11.5   | 10.8   | 12.1   | 12.7   | 12.6   | 11.7   |  |  |  |
| G144.0 | 12.4   | 11.2   | 10.9   | 11.7   | 12.6   | 12.4   | 11.7   |  |  |  |
| G145.0 | 12.0   | 11.0   | 10.8   | 11.6   | 12.6   | 12.3   | 12.0   |  |  |  |
| G146.0 | 11.7   | 11.0   | 10.7   | 11.5   | 12.4   | 12.2   | 11.9   |  |  |  |
| G147.0 | 11.5   | 11.0   | 10.8   | 11.5   | 12.4   | 12.2   | 11.4   |  |  |  |

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 8.190 m

Humidity:

Inspector:

## Candlepower Table (Continue 9)

Unit: cd

| G\C    | C225.0 | C247.5 | C270.0 | C292.5 | C315.0 | C337.5 | C360.0 |  |  |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| G148.0 | 11.2   | 10.7   | 10.6   | 11.4   | 11.7   | 12.1   | 11.3   |  |  |  |
| G149.0 | 11.2   | 10.8   | 10.5   | 11.1   | 11.8   | 11.8   | 11.5   |  |  |  |
| G150.0 | 10.9   | 10.3   | 10.5   | 11.1   | 11.5   | 11.7   | 11.0   |  |  |  |
| G151.0 | 10.7   | 10.5   | 10.3   | 10.7   | 11.3   | 11.5   | 11.1   |  |  |  |
| G152.0 | 10.7   | 10.5   | 10.2   | 10.9   | 11.4   | 11.5   | 10.8   |  |  |  |
| G153.0 | 10.8   | 10.2   | 10.1   | 10.5   | 11.3   | 11.1   | 10.8   |  |  |  |
| G154.0 | 10.7   | 10.1   | 10.1   | 10.3   | 11.3   | 11.1   | 10.7   |  |  |  |
| G155.0 | 10.5   | 9.9    | 9.9    | 10.1   | 11.0   | 10.6   | 10.4   |  |  |  |
| G156.0 | 10.3   | 9.8    | 9.9    | 10.2   | 10.8   | 10.6   | 10.3   |  |  |  |
| G157.0 | 10.2   | 9.7    | 9.5    | 10.1   | 10.5   | 10.9   | 10.1   |  |  |  |
| G158.0 | 10.1   | 10.1   | 9.5    | 10.4   | 10.6   | 10.4   | 10.1   |  |  |  |
| G159.0 | 10.1   | 10.1   | 9.9    | 10.3   | 10.6   | 10.3   | 10.0   |  |  |  |
| G160.0 | 9.8    | 10.2   | 10.1   | 10.6   | 10.3   | 10.1   | 9.8    |  |  |  |
| G161.0 | 9.8    | 10.0   | 10.3   | 10.3   | 10.3   | 10.1   | 9.6    |  |  |  |
| G162.0 | 9.9    | 10.0   | 9.9    | 10.2   | 10.1   | 10.1   | 9.7    |  |  |  |
| G163.0 | 9.8    | 9.6    | 10.1   | 10.2   | 10.2   | 9.8    | 9.7    |  |  |  |
| G164.0 | 9.6    | 9.9    | 10.0   | 10.1   | 9.8    | 9.9    | 9.5    |  |  |  |
| G165.0 | 9.5    | 9.8    | 9.8    | 9.9    | 9.8    | 9.8    | 9.4    |  |  |  |
| G166.0 | 9.5    | 9.7    | 9.6    | 9.9    | 9.8    | 9.6    | 9.3    |  |  |  |
| G167.0 | 9.7    | 9.7    | 9.5    | 9.9    | 9.8    | 9.4    | 9.4    |  |  |  |
| G168.0 | 9.5    | 9.5    | 9.6    | 9.9    | 9.7    | 9.4    | 9.4    |  |  |  |
| G169.0 | 9.5    | 9.5    | 9.4    | 9.7    | 9.6    | 9.3    | 9.4    |  |  |  |
| G170.0 | 9.4    | 9.2    | 9.6    | 9.4    | 9.4    | 9.2    | 9.4    |  |  |  |
| G171.0 | 9.4    | 9.3    | 9.3    | 9.6    | 9.6    | 9.3    | 9.4    |  |  |  |
| G172.0 | 9.5    | 9.3    | 9.2    | 9.3    | 9.6    | 9.2    | 9.1    |  |  |  |
| G173.0 | 9.4    | 9.3    | 9.2    | 9.3    | 9.5    | 9.2    | 9.4    |  |  |  |
| G174.0 | 9.3    | 9.1    | 9.2    | 9.5    | 9.5    | 9.2    | 9.5    |  |  |  |
| G175.0 | 9.3    | 9.1    | 9.1    | 9.3    | 9.4    | 9.4    | 9.4    |  |  |  |
| G176.0 | 9.4    | 9.3    | 9.1    | 9.2    | 9.3    | 9.3    | 9.4    |  |  |  |
| G177.0 | 9.4    | 9.5    | 9.0    | 9.2    | 9.4    | 9.4    | 9.5    |  |  |  |
| G178.0 | 9.2    | 9.3    | 9.2    | 9.5    | 9.4    | 9.2    | 9.4    |  |  |  |
| G179.0 | 9.5    | 9.1    | 9.2    | 9.5    | 9.3    | 9.1    | 9.2    |  |  |  |
| G180.0 | 9.6    | 9.1    | 9.3    | 9.5    | 9.3    | 9.0    | 9.4    |  |  |  |
|        |        |        |        |        |        |        |        |  |  |  |
|        |        |        |        |        |        |        |        |  |  |  |
|        |        |        |        |        |        |        |        |  |  |  |
|        |        |        |        |        |        |        |        |  |  |  |

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 8.190 m

Humidity:

Inspector: