

Report No.:

Test Time: 2020/10/17 星期六 16:41

## Luminaire Property

Luminaire Manufacturer:

Voltage: 120.7 V

Power: 100.20 W

Current: 0.836 A

Power Factor: 0.994

## Photometric Results

CIE Class: Direct

Measurement Flux: 14937.2 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(50%): H89.8

Vertical Diffuse Angle(50%): V89

Luminaire Efficacy Rating (LER): 149.12

Max. Intensity: 7339.25 cd

S/MH(C0/C180): 1.31

Total Rated Lamp Lumens: 14937.2 lm

Efficiency: 100%

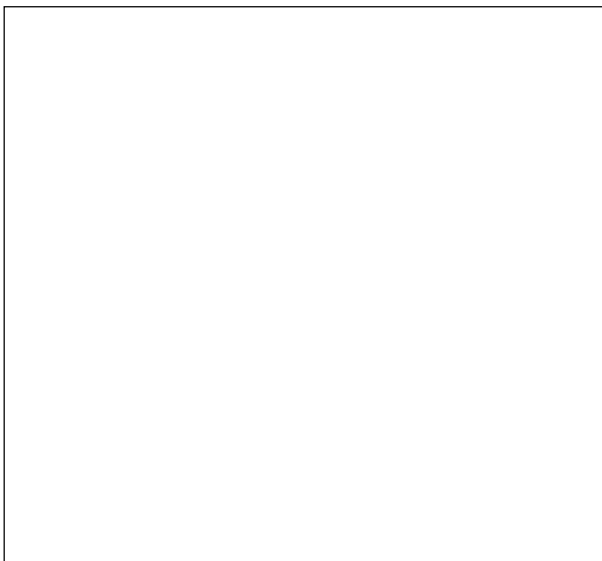
Upward Ratio: 1%

Central Intensity: 7337.34 cd

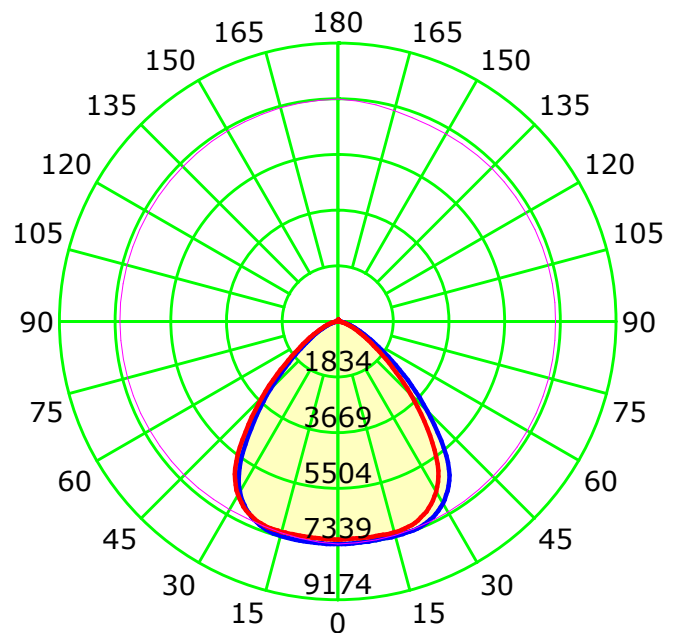
Pos of Max. Intensity: H180 V3

S/MH(C90/C270): 1.31

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 89.4°

— C0-C180 — C90-C270 — G3

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

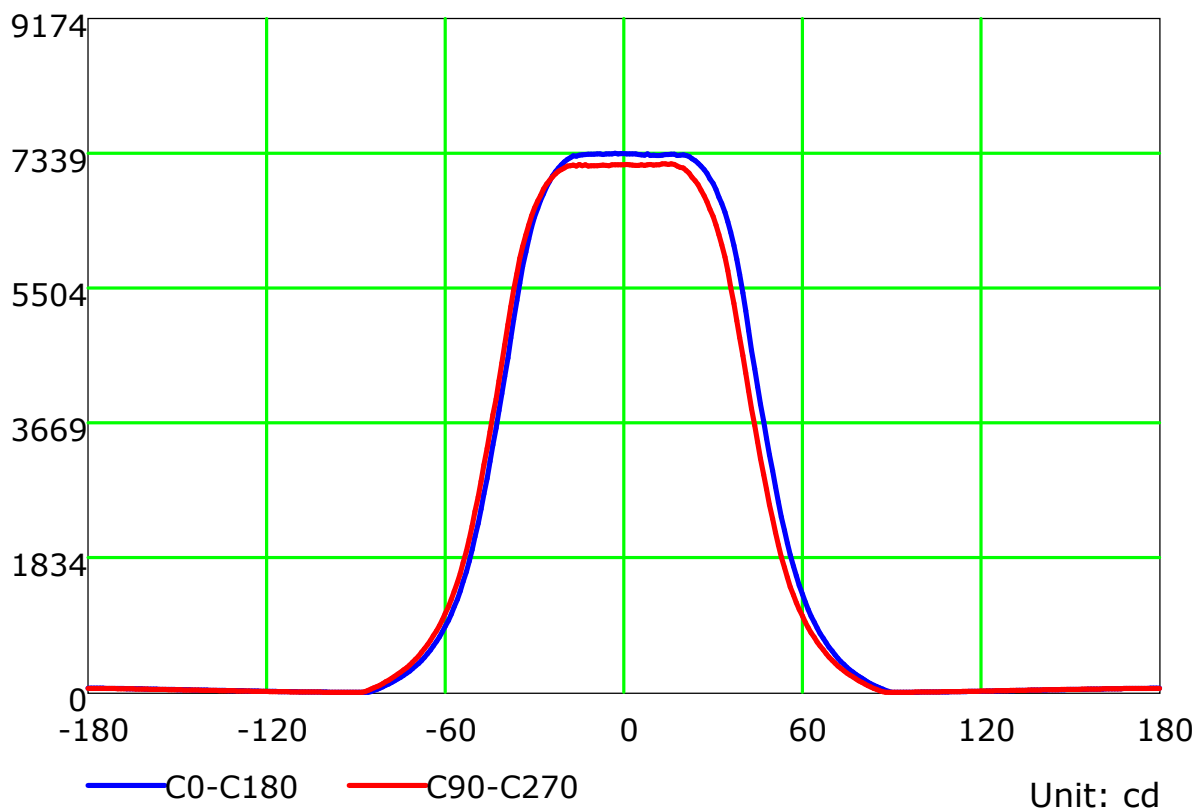
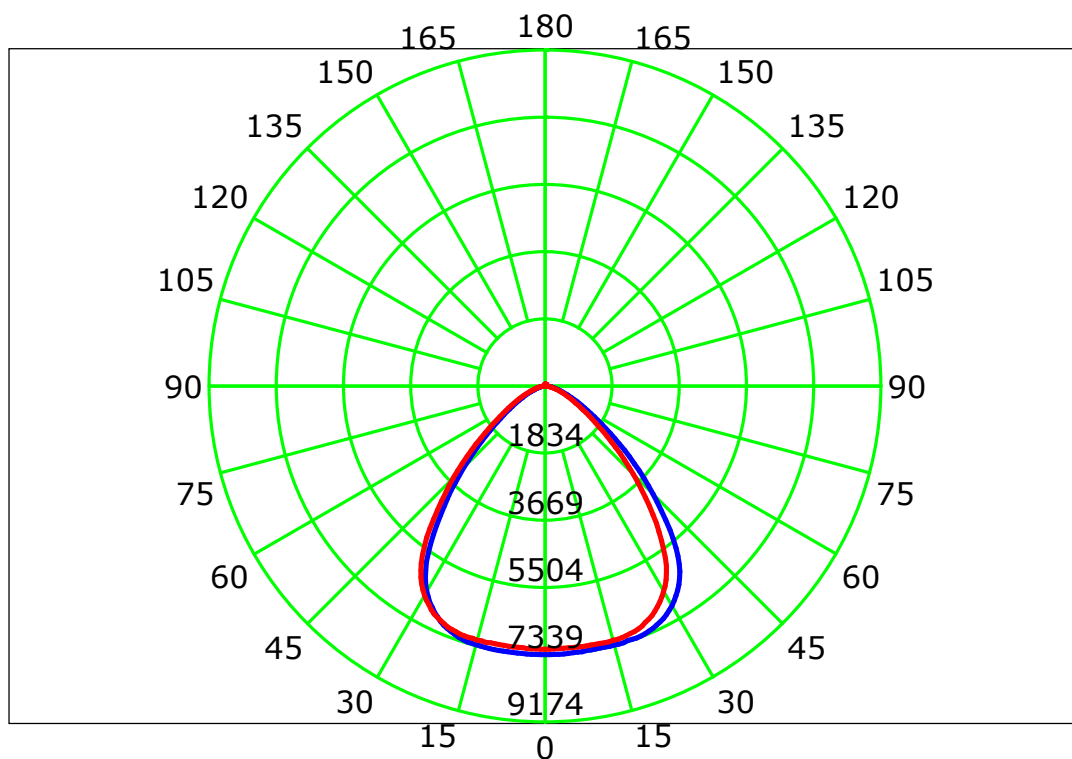
Test Device: GPM-1800B

Distance: 8.190 m

Humidity:

Inspector:

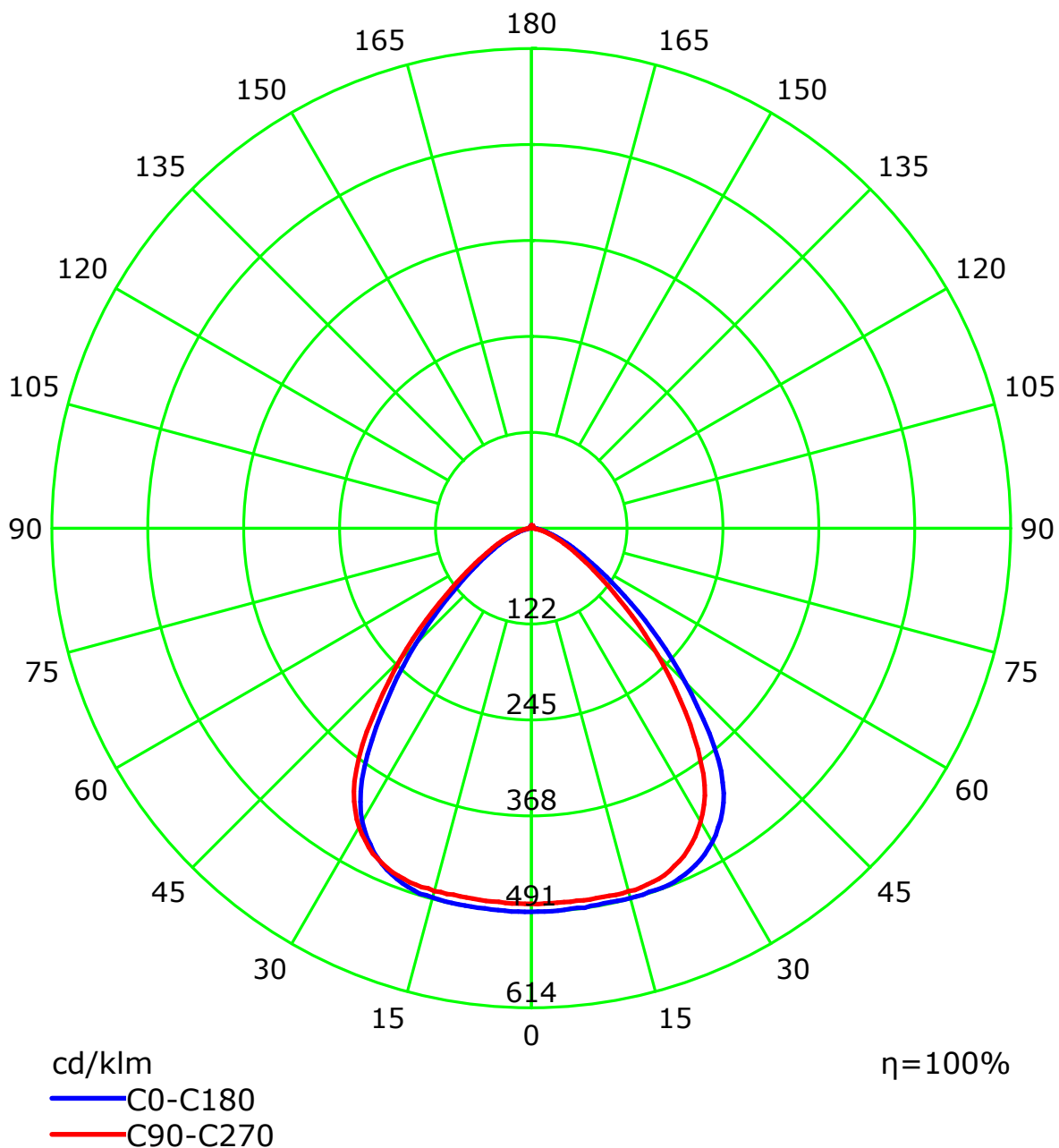
## Luminous Intensity Distribution Curve



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)



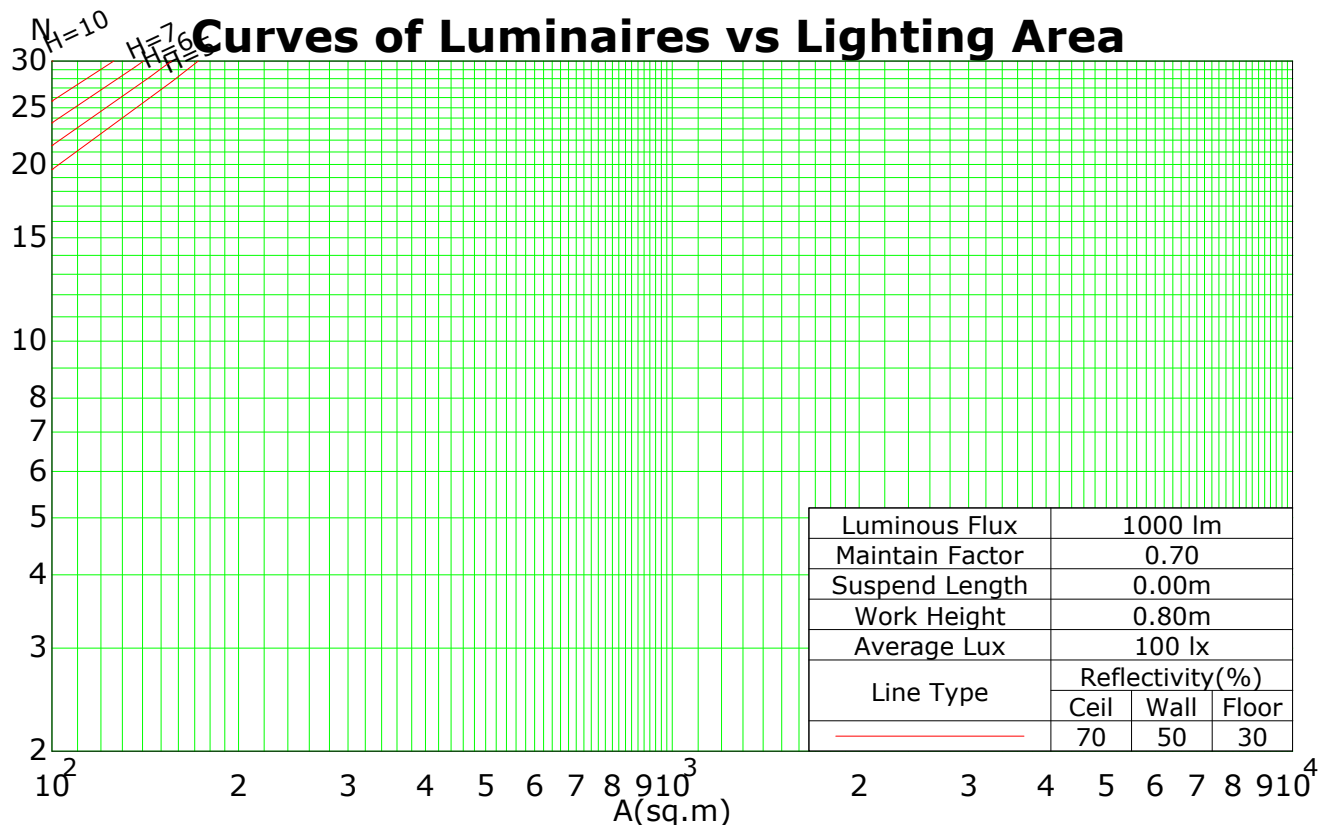
C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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   | 111      | 107 | 104 | 101 | 108 | 105 | 102 | 99  | 101 | 98  | 96  | 97  | 95  | 93  | 93  | 92  | 90  | 88 |
| 2   | 103      | 97  | 91  | 87  | 101 | 95  | 90  | 85  | 91  | 87  | 83  | 88  | 84  | 81  | 85  | 82  | 80  | 78 |
| 3   | 96       | 87  | 80  | 75  | 93  | 85  | 79  | 74  | 83  | 77  | 73  | 80  | 75  | 72  | 77  | 74  | 70  | 68 |
| 4   | 89       | 79  | 71  | 66  | 87  | 77  | 71  | 65  | 75  | 69  | 64  | 73  | 68  | 63  | 71  | 66  | 63  | 61 |
| 5   | 83       | 72  | 64  | 58  | 81  | 70  | 63  | 58  | 68  | 62  | 57  | 66  | 61  | 57  | 65  | 60  | 56  | 54 |
| 6   | 77       | 65  | 57  | 52  | 75  | 64  | 57  | 52  | 63  | 56  | 51  | 61  | 55  | 51  | 59  | 54  | 50  | 48 |
| 7   | 72       | 60  | 52  | 47  | 70  | 59  | 52  | 46  | 58  | 51  | 46  | 56  | 50  | 46  | 55  | 49  | 45  | 44 |
| 8   | 67       | 55  | 47  | 42  | 66  | 54  | 47  | 42  | 53  | 46  | 42  | 52  | 46  | 42  | 51  | 45  | 41  | 40 |
| 9   | 63       | 51  | 43  | 38  | 62  | 50  | 43  | 38  | 49  | 43  | 38  | 48  | 42  | 38  | 47  | 42  | 38  | 36 |
| 10  | 59       | 47  | 40  | 35  | 58  | 47  | 40  | 35  | 46  | 39  | 35  | 45  | 39  | 35  | 44  | 38  | 35  | 33 |

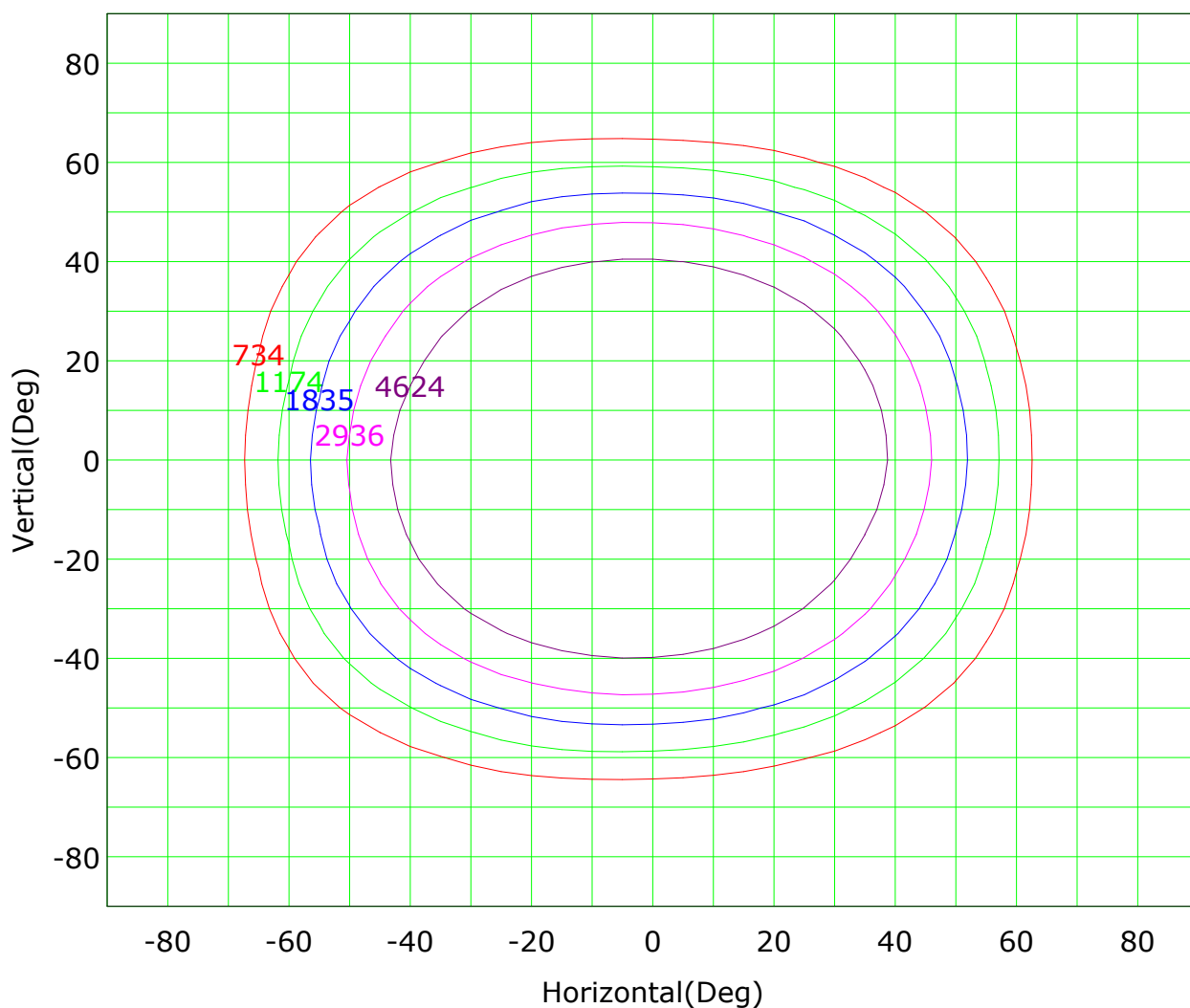
Spacing Criteria (0-180): 1.31  
Spacing Criteria (90-270): 1.31  
Spacing Criteria (Diagonal): 1.25



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%): 7339 cd

|                 |                 |
|-----------------|-----------------|
| ( 10%): 734 cd  | ( 16%): 1174 cd |
| ( 25%): 1835 cd | ( 40%): 2936 cd |
| ( 63%): 4624 cd | (100%): 7339 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

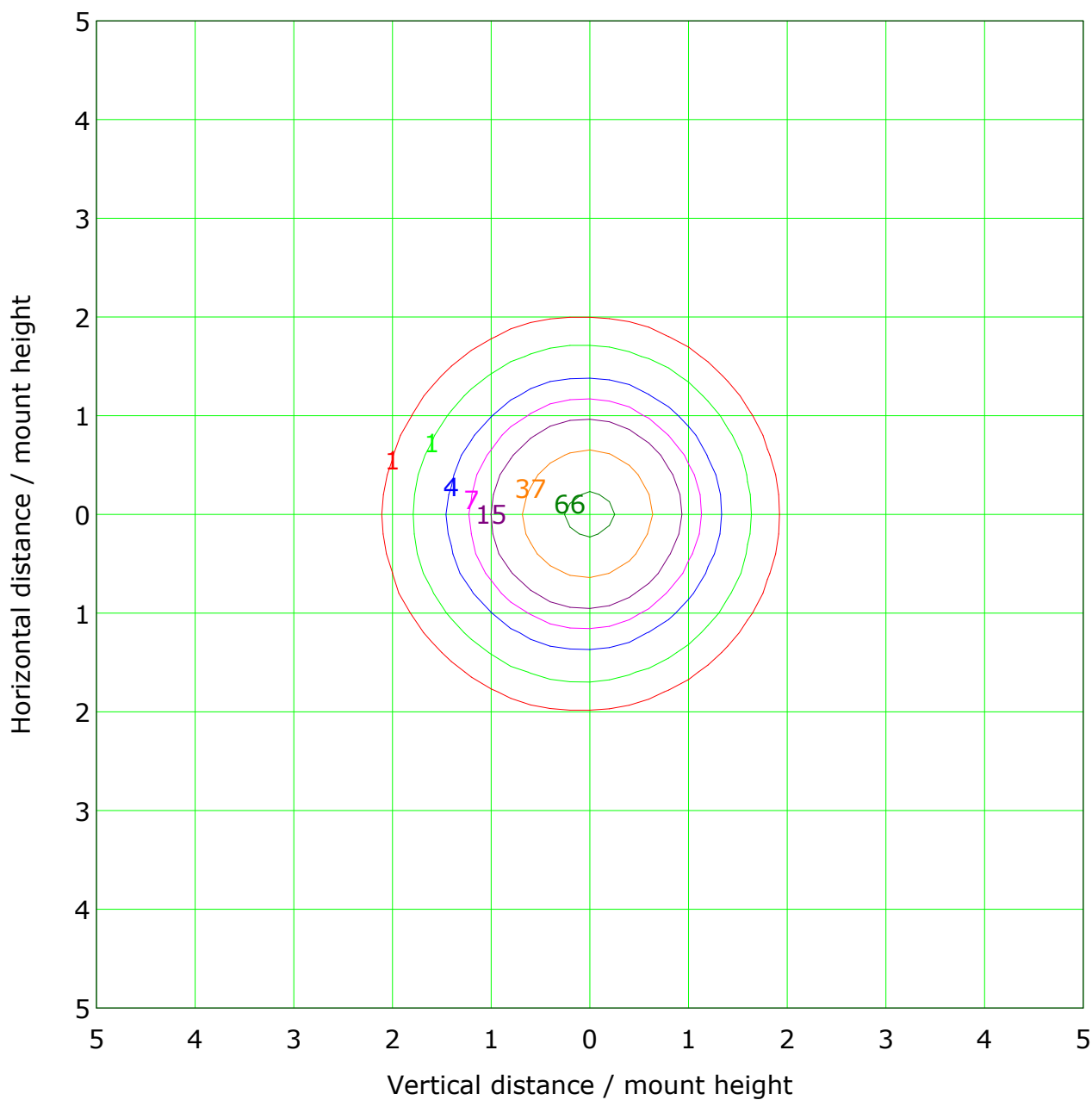
Distance: 8.190 m

Humidity:

Inspector:

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

## IsoLux Plot



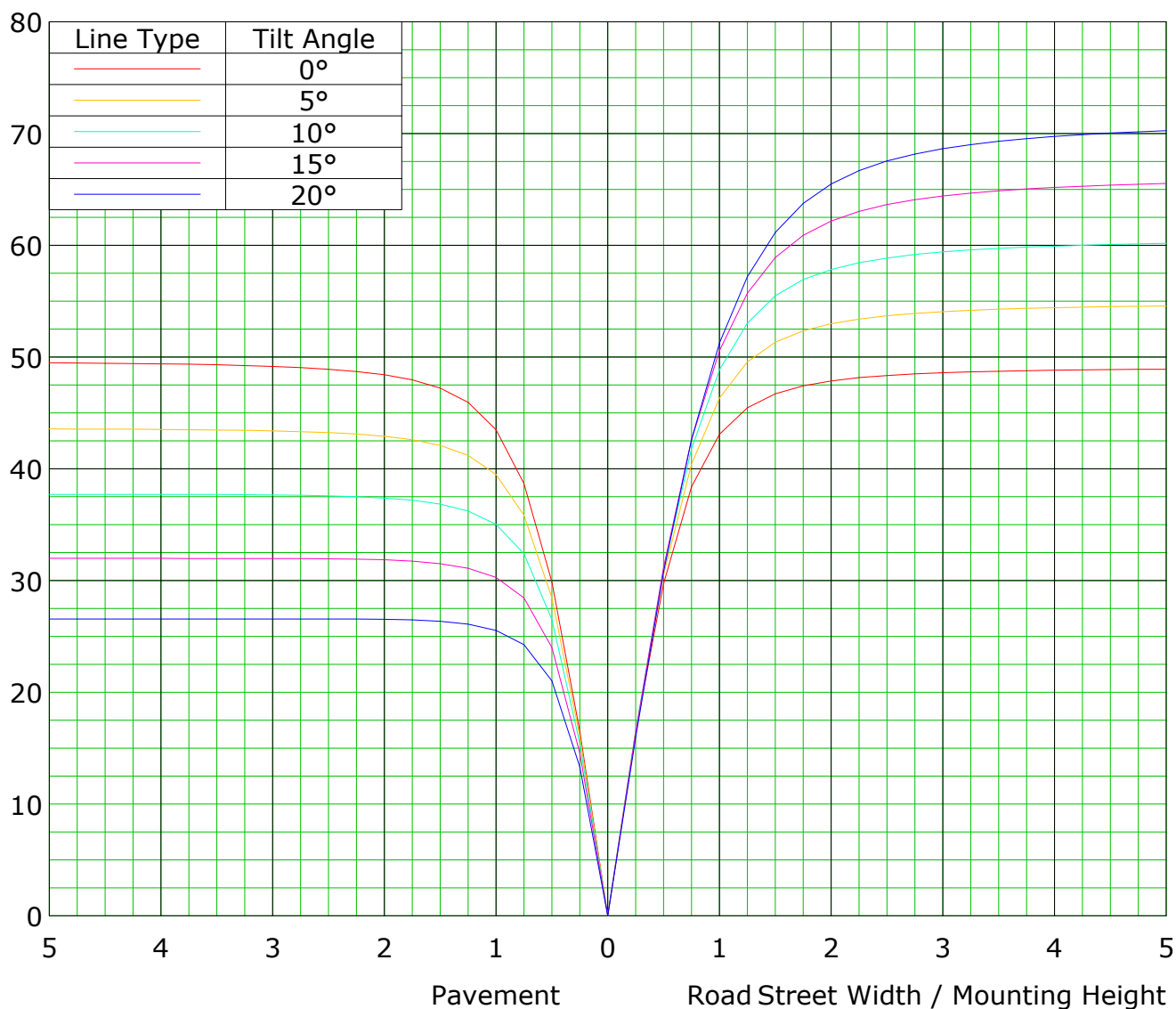
|                                                  |                 |
|--------------------------------------------------|-----------------|
| Mounting Height: 10.0m    Max Lux(100%): 73.4 lx |                 |
| ( 1%): 0.7 lx                                    | ( 2%): 1.5 lx   |
| ( 5%): 3.7 lx                                    | ( 10%): 7.3 lx  |
| ( 20%): 14.7 lx                                  | ( 50%): 36.7 lx |
| ( 90%): 66.0 lx                                  | (100%): 73.4 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(%)



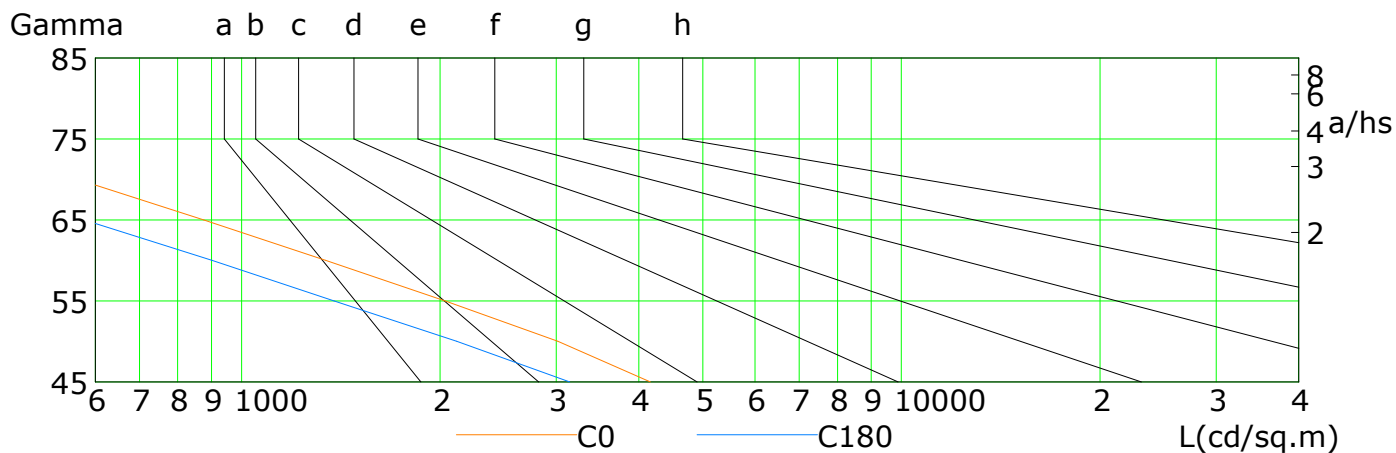
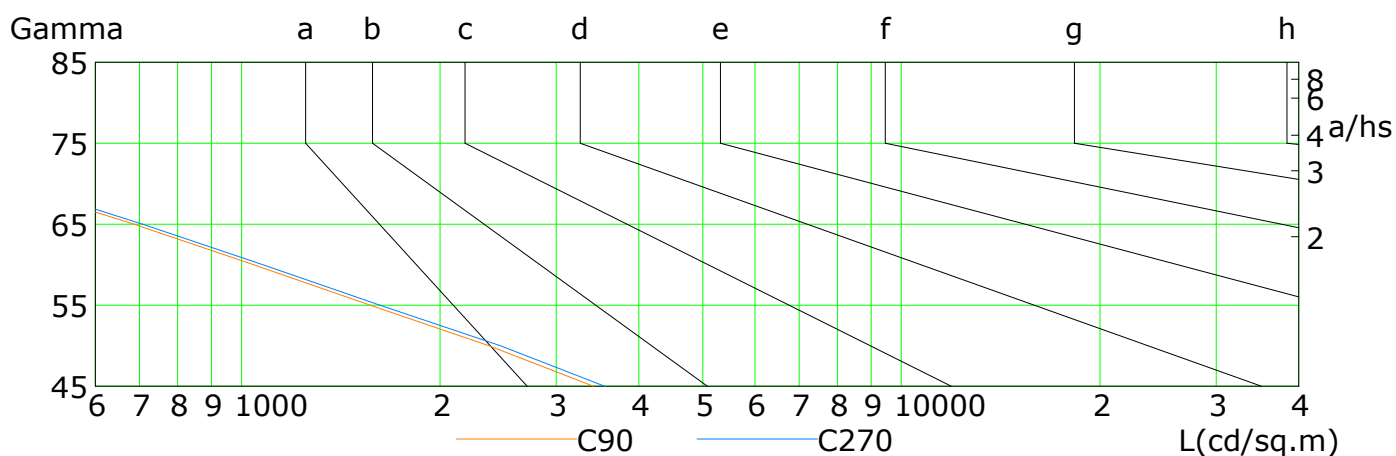
C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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

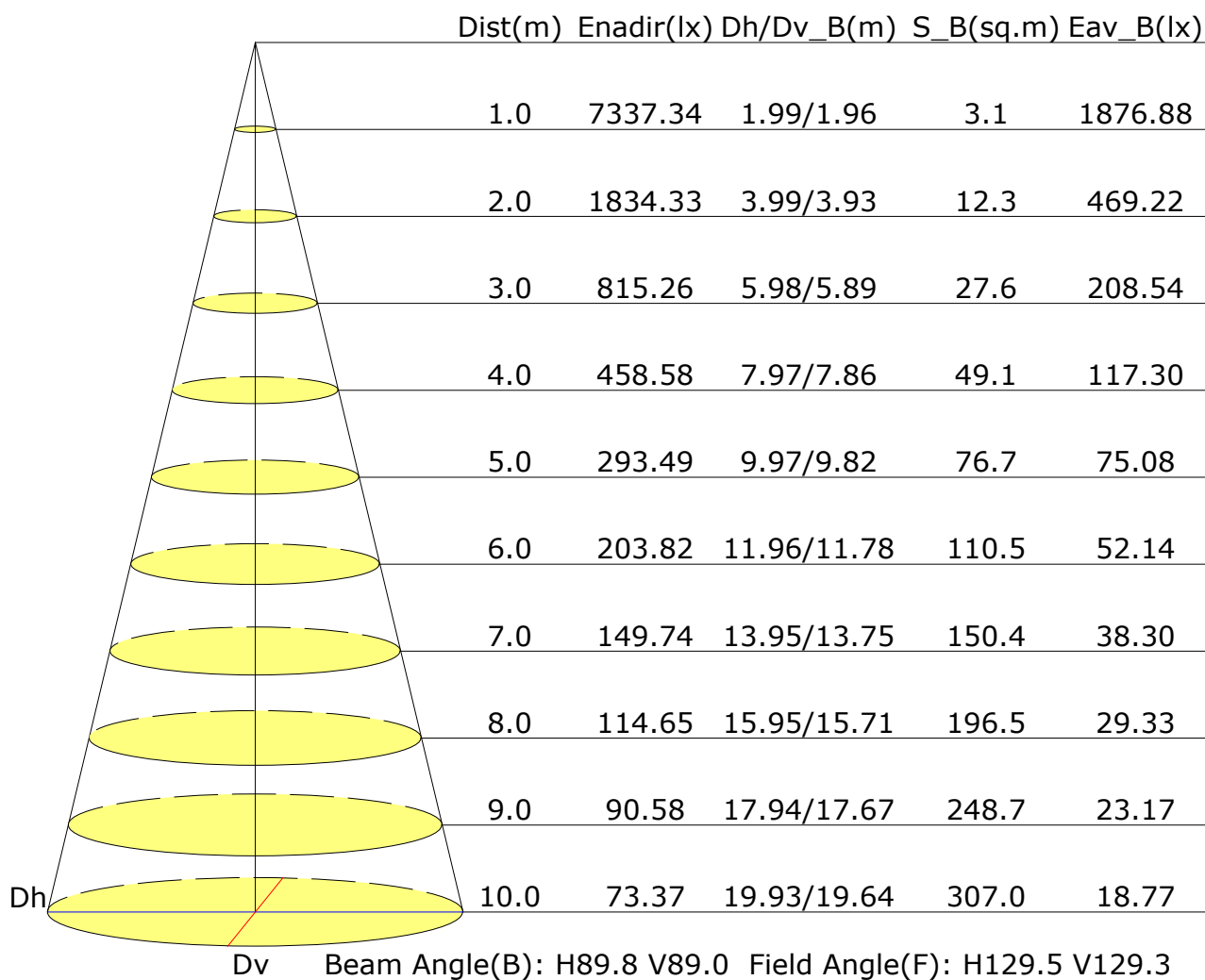


| L(cd/sq.m) | G45  | G50  | G55  | G60  | G65 | G70 | G75 | G80 | G85 |
|------------|------|------|------|------|-----|-----|-----|-----|-----|
| C0         | 4165 | 3017 | 2035 | 1341 | 877 | 564 | 343 | 192 | 81  |
| C90        | 3412 | 2365 | 1568 | 1042 | 687 | 439 | 265 | 137 | 39  |
| C180       | 3143 | 2119 | 1381 | 901  | 578 | 358 | 209 | 96  | 11  |
| C270       | 3548 | 2464 | 1621 | 1075 | 708 | 453 | 276 | 145 | 45  |

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:

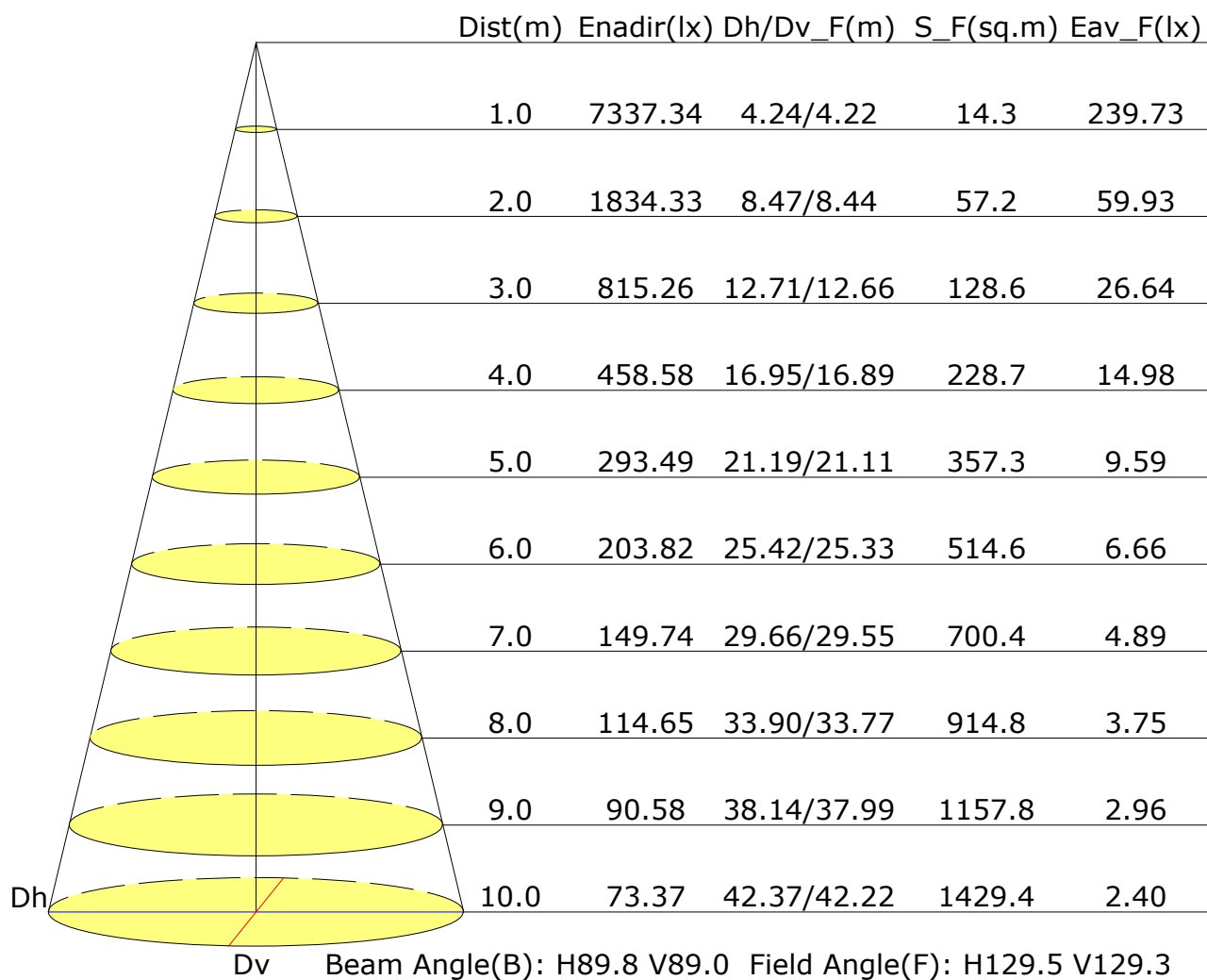
## Illuminance at a Distance(Beam Angle)



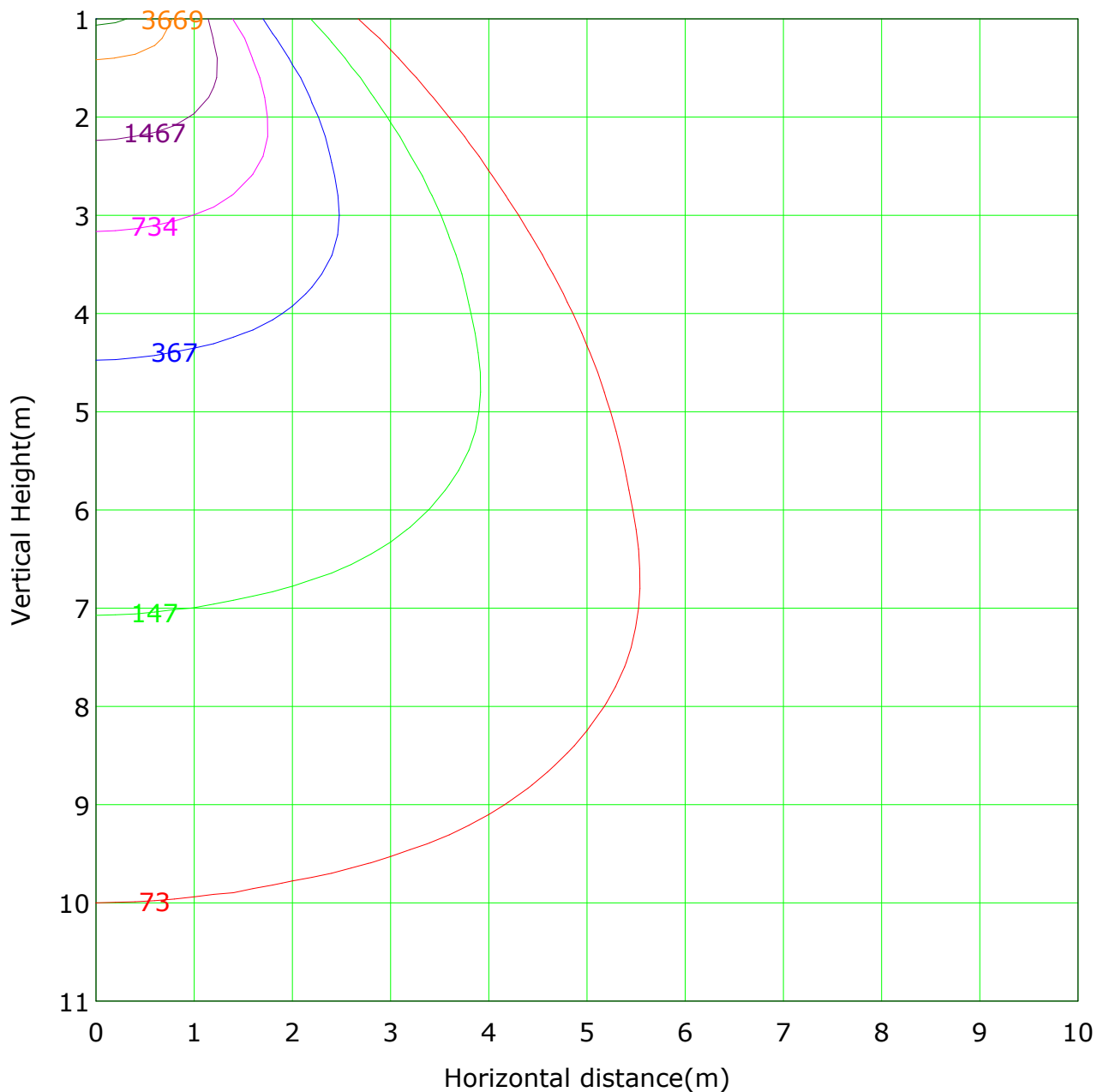
C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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

## Illuminance at a Distance(Field Angle)



## Vertical IsoLux Plot



Lowest(m): 1.0m    Highest(m): 11.0m    Max Lux: 7337.3 lx

|                   |                   |
|-------------------|-------------------|
| ( 1%): 73.4 lx    | ( 2%): 146.7 lx   |
| ( 5%): 366.9 lx   | ( 10%): 733.7 lx  |
| ( 20%): 1467.5 lx | ( 50%): 3668.7 lx |
| ( 90%): 6603.6 lx | (100%): 7337.3 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

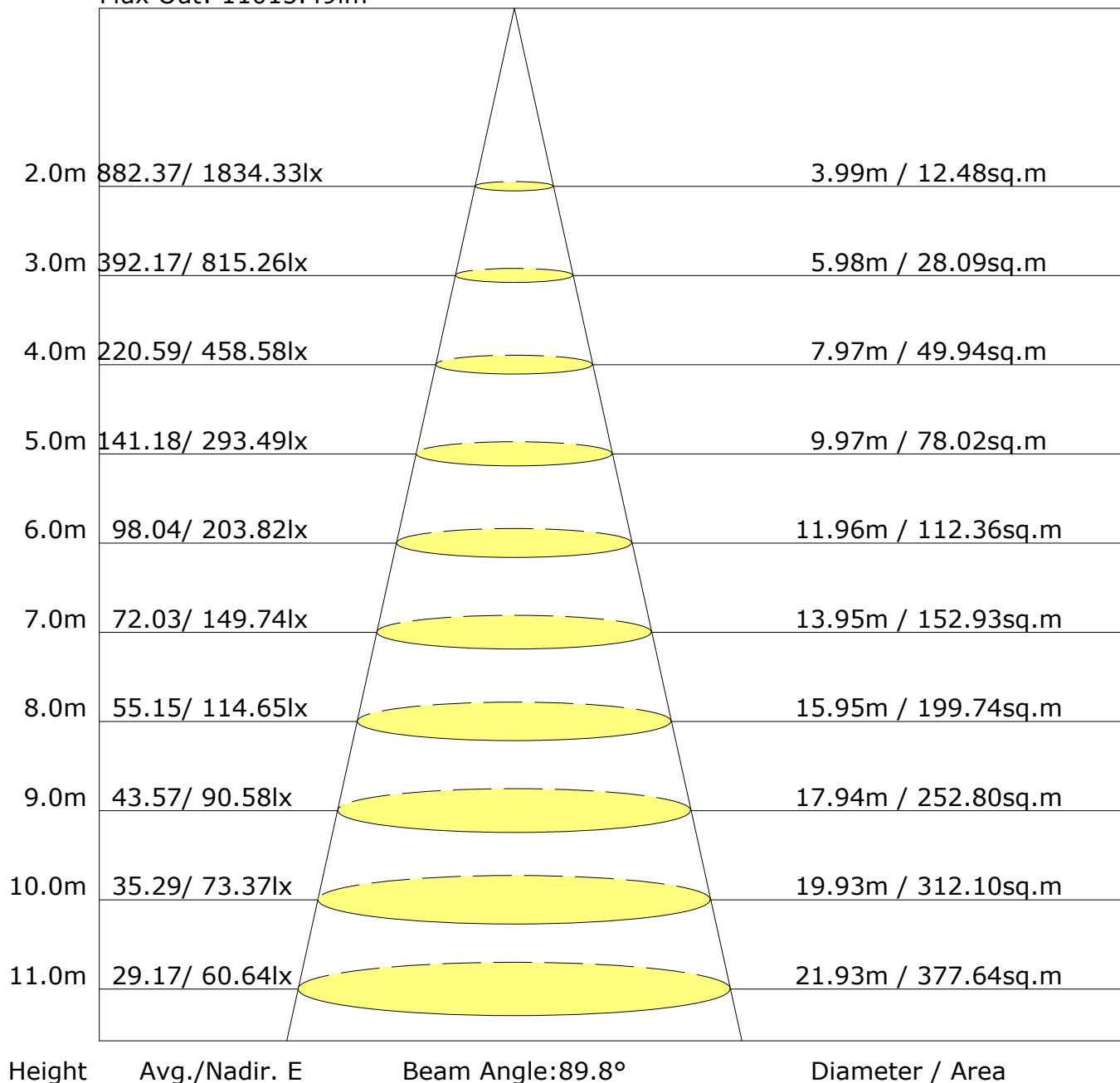
| Vertical plane | Horizontal plane |      |      |       |       |       |        |        |        |        |        |        |        |       |       |       |      |     |        |         |         |
|----------------|------------------|------|------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|------|-----|--------|---------|---------|
|                | -90              | -80  | -70  | -60   | -50   | -40   | -30    | -20    | -10    | 0      | 10     | 20     | 30     | 40    | 50    | 60    | 70   | 80  | 90     |         |         |
| -90            | 0.0              | 0.0  | 0.0  | 0.1   | 0.3   | 0.6   | 0.9    | 1.2    | 1.5    | 1.7    | 1.6    | 1.5    | 1.2    | 0.9   | 0.5   | 0.3   | 0.1  | 0.0 | 12.3   | 0.0     |         |
| -80            | 0.0              | 0.1  | 0.5  | 1.4   | 2.7   | 4.3   | 5.9    | 7.4    | 8.4    | 8.7    | 8.4    | 7.4    | 5.9    | 4.3   | 2.6   | 1.2   | 0.4  | 0.1 | 69.5   | 0.0     |         |
| -70            | 0.0              | 0.3  | 1.4  | 3.5   | 6.5   | 10.4  | 14.8   | 18.9   | 21.5   | 22.2   | 20.9   | 17.6   | 13.3   | 8.9   | 5.3   | 2.5   | 0.8  | 0.1 | 169.0  | 53.3    |         |
| -60            | 0.0              | 0.6  | 2.5  | 6.1   | 12.2  | 20.9  | 31.7   | 42.2   | 49.3   | 50.9   | 46.5   | 37.0   | 25.8   | 16.1  | 8.8   | 4.0   | 1.3  | 0.1 | 355.9  | 309.3   |         |
| -50            | 0.0              | 0.9  | 3.7  | 9.7   | 20.7  | 38.5  | 63.0   | 87.5   | 104.3  | 107.6  | 96.2   | 73.5   | 47.5   | 26.9  | 13.5  | 5.6   | 1.7  | 0.2 | 700.9  | 673.8   |         |
| -40            | 0.1              | 1.2  | 5.0  | 14.0  | 32.7  | 66.1  | 109.5  | 149.4  | 172.5  | 175.2  | 158.5  | 123.7  | 80.3   | 42.4  | 19.2  | 7.4   | 2.1  | 0.2 | 1159.6 | 1140.3  |         |
| -30            | 0.1              | 1.5  | 6.2  | 18.6  | 47.1  | 97.1  | 154.9  | 192.9  | 208.7  | 209.5  | 196.9  | 166.6  | 113.9  | 60.6  | 25.7  | 9.3   | 2.5  | 0.3 | 1512.5 | 1497.0  |         |
| -20            | 0.1              | 1.7  | 7.2  | 22.7  | 60.1  | 122.3 | 179.8  | 208.2  | 217.6  | 216.9  | 208.5  | 186.0  | 139.8  | 77.1  | 31.9  | 10.8  | 2.8  | 0.3 | 1693.6 | 1680.3  |         |
| -10            | 0.1              | 1.8  | 7.8  | 25.0  | 67.6  | 135.6 | 189.2  | 213.2  | 219.3  | 217.4  | 211.5  | 194.8  | 154.4  | 88.0  | 36.0  | 11.7  | 2.9  | 0.3 | 1776.5 | 1763.9  |         |
| 0              | 0.1              | 1.8  | 7.8  | 24.8  | 66.6  | 133.2 | 186.5  | 210.7  | 217.6  | 219.3  | 213.8  | 196.4  | 155.7  | 88.9  | 36.2  | 11.7  | 2.9  | 0.3 | 1774.4 | 1761.8  |         |
| 10             | 0.1              | 1.7  | 7.3  | 22.3  | 57.7  | 115.8 | 173.3  | 204.6  | 216.9  | 218.2  | 210.8  | 188.8  | 143.6  | 79.2  | 32.5  | 10.9  | 2.8  | 0.3 | 1686.7 | 1673.4  |         |
| 20             | 0.1              | 1.5  | 6.3  | 18.3  | 44.5  | 91.2  | 146.8  | 187.2  | 205.7  | 208.6  | 197.3  | 168.7  | 117.4  | 63.1  | 26.6  | 9.4   | 2.5  | 0.3 | 1495.4 | 1479.9  |         |
| 30             | 0.1              | 1.3  | 5.1  | 13.9  | 31.2  | 62.1  | 103.6  | 142.5  | 166.7  | 171.7  | 157.2  | 124.4  | 81.8   | 43.9  | 19.9  | 7.5   | 2.1  | 0.2 | 1135.0 | 1115.8  |         |
| 40             | 0.0              | 1.0  | 3.8  | 9.7   | 20.2  | 36.6  | 59.6   | 83.7   | 100.3  | 104.0  | 93.6   | 72.9   | 48.0   | 27.4  | 13.7  | 5.6   | 1.7  | 0.2 | 681.9  | 654.6   |         |
| 50             | 0.0              | 0.6  | 2.6  | 6.3   | 12.1  | 20.3  | 30.2   | 40.2   | 47.3   | 49.3   | 45.3   | 36.4   | 25.6   | 16.0  | 8.7   | 3.9   | 1.2  | 0.1 | 346.2  | 297.9   |         |
| 60             | 0.0              | 0.3  | 1.5  | 3.6   | 6.6   | 10.3  | 14.4   | 18.2   | 20.8   | 21.6   | 20.3   | 17.1   | 12.9   | 8.7   | 5.1   | 2.5   | 0.8  | 0.1 | 164.6  | 44.9    |         |
| 70             | 0.0              | 0.1  | 0.5  | 1.4   | 2.8   | 4.3   | 5.8    | 7.1    | 8.1    | 8.4    | 8.0    | 7.1    | 5.6    | 4.0   | 2.5   | 1.2   | 0.4  | 0.1 | 67.2   | 0.0     |         |
| 80             | 0.0              | 0.0  | 0.0  | 0.1   | 0.3   | 0.6   | 0.8    | 1.1    | 1.4    | 1.5    | 1.5    | 1.4    | 1.1    | 0.8   | 0.5   | 0.3   | 0.1  | 0.0 | 11.6   | 0.0     |         |
| 90             | 0.9              | 16.3 | 69.1 | 201.3 | 491.9 | 970.1 | 1470.8 | 1816.1 | 1987.2 | 2012.5 | 1897.2 | 1621.1 | 1173.6 | 657.2 | 289.2 | 105.7 | 29.1 | 3.3 | 14813  |         |         |
| Flux(T)        | 0.0              | 0.0  | 8.1  | 151.5 | 447.8 | 928.6 | 1430.4 | 1776.4 | 1947.6 | 1972.7 | 1857.7 | 1581.6 | 1133.5 | 616.0 | 245.9 | 48.4  | 0.0  | 0.0 |        | 14146   |         |
| 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: 11015.49lm



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:

## UGR Table

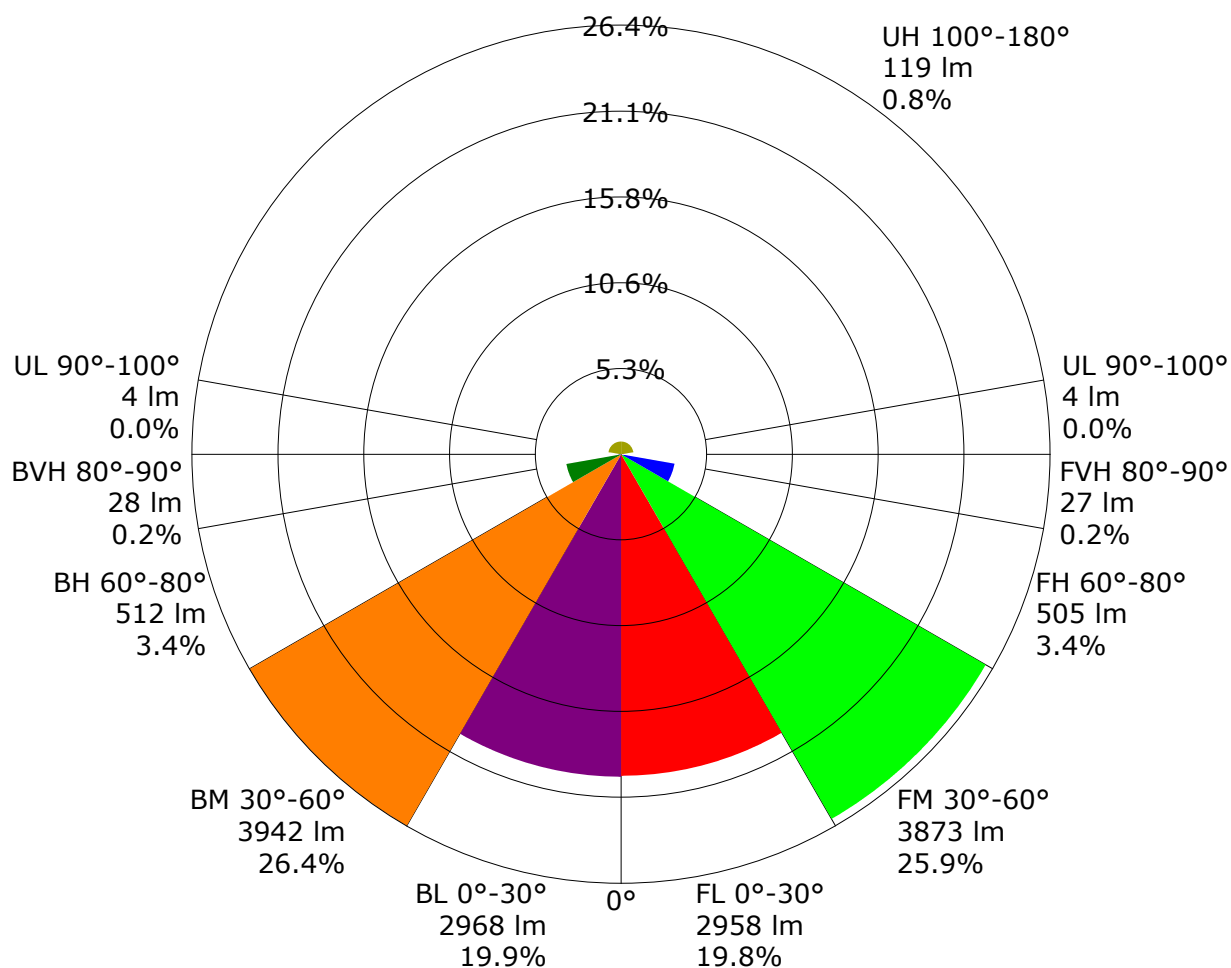
|                                                    |                  |       |       |       |       |                |       |       |       |       |
|----------------------------------------------------|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Reflectance:                                       |                  |       |       |       |       |                |       |       |       |       |
| Ceiling (cavity)                                   | 0.7              | 0.7   | 0.5   | 0.5   | 0.3   | 0.7            | 0.7   | 0.5   | 0.5   | 0.3   |
| Wall                                               | 0.5              | 0.3   | 0.5   | 0.3   | 0.3   | 0.5            | 0.3   | 0.5   | 0.3   | 0.3   |
| Reference plane                                    | 0.2              | 0.2   | 0.2   | 0.2   | 0.2   | 0.2            | 0.2   | 0.2   | 0.2   | 0.2   |
| Room dimensions                                    | Viewed crosswise |       |       |       |       | Viewed endwise |       |       |       |       |
| X=2H Y=2H                                          | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 3H                                                 | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 4H                                                 | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 6H                                                 | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 8H                                                 | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 12H                                                | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| X=4H Y=2H                                          | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 3H                                                 | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 4H                                                 | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 6H                                                 | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 8H                                                 | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 12H                                                | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| X=8H Y=4H                                          | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 6H                                                 | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 8H                                                 | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 12H                                                | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| X=12H Y=4H                                         | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 6H                                                 | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 8H                                                 | -1.\$            | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$          | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| Variations with the observer position at spacings: |                  |       |       |       |       |                |       |       |       |       |
| S=1.0H                                             | -1.\$/-1.\$      |       |       |       |       | -1.\$/-1.\$    |       |       |       |       |
| S=1.5H                                             | -1.\$/-1.\$      |       |       |       |       | -1.\$/-1.\$    |       |       |       |       |
| S=2.0H                                             | -1.\$/-1.\$      |       |       |       |       | -1.\$/-1.\$    |       |       |       |       |

Calculate in accordance with CIE Pub.117. The table is revised with 14937lm ( $8\log(F/F_0) = 9.4$ ).

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:

## 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 = 1.25 |      |      |      |      |      |      |      |      |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|----------------|------|------|------|------|------|------|------|------|--|
| Room Reflectance                                                                                                                                                                   |      |       | Room Index(RI) |      |      |      |      |      |      |      |      |  |
| Ceiling                                                                                                                                                                            | Wall | Floor | 0.75           | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 |  |
| 0.70                                                                                                                                                                               | 0.50 | 0.20  | 0.70           | 0.79 | 0.85 | 0.90 | 0.95 | 0.99 | 1.02 | 1.05 | 1.07 |  |
|                                                                                                                                                                                    | 0.30 |       | 0.64           | 0.73 | 0.80 | 0.84 | 0.91 | 0.95 | 0.98 | 1.02 | 1.05 |  |
|                                                                                                                                                                                    | 0.20 |       | 0.59           | 0.69 | 0.75 | 0.80 | 0.87 | 0.92 | 0.95 | 1.00 | 1.02 |  |
| 0.50                                                                                                                                                                               | 0.50 | 0.20  | 0.68           | 0.77 | 0.83 | 0.87 | 0.92 | 0.96 | 0.98 | 1.01 | 1.03 |  |
|                                                                                                                                                                                    | 0.30 |       | 0.63           | 0.72 | 0.78 | 0.83 | 0.89 | 0.92 | 0.95 | 0.99 | 1.01 |  |
|                                                                                                                                                                                    | 0.20 |       | 0.59           | 0.68 | 0.74 | 0.79 | 0.85 | 0.90 | 0.93 | 0.97 | 0.99 |  |
| 0.30                                                                                                                                                                               | 0.50 | 0.20  | 0.67           | 0.75 | 0.81 | 0.85 | 0.90 | 0.93 | 0.95 | 0.97 | 0.99 |  |
|                                                                                                                                                                                    | 0.30 |       | 0.62           | 0.71 | 0.77 | 0.81 | 0.86 | 0.90 | 0.92 | 0.96 | 0.98 |  |
|                                                                                                                                                                                    | 0.20 |       | 0.58           | 0.67 | 0.73 | 0.78 | 0.84 | 0.87 | 0.90 | 0.94 | 0.96 |  |
| 0.00                                                                                                                                                                               | 0.00 | 0.00  | 0.56           | 0.65 | 0.71 | 0.75 | 0.80 | 0.84 | 0.86 | 0.89 | 0.91 |  |
| Rating:100W 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 = 1.25 |      |      |      |      |      |      |      |      |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|----------------|------|------|------|------|------|------|------|------|--|
| Room Reflectance                                                                                                                                                                   |      |       | Room Index(RI) |      |      |      |      |      |      |      |      |  |
| Ceiling                                                                                                                                                                            | Wall | Floor | 0.75           | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 |  |
| 0.70                                                                                                                                                                               | 0.50 | 0.20  | 0.80           | 0.64 | 0.53 | 0.46 | 0.36 | 0.30 | 0.25 | 0.19 | 0.16 |  |
|                                                                                                                                                                                    | 0.30 |       | 0.66           | 0.54 | 0.46 | 0.41 | 0.33 | 0.27 | 0.23 | 0.18 | 0.15 |  |
|                                                                                                                                                                                    | 0.20 |       | 0.57           | 0.48 | 0.41 | 0.36 | 0.30 | 0.25 | 0.22 | 0.17 | 0.14 |  |
| 0.50                                                                                                                                                                               | 0.50 | 0.20  | 0.76           | 0.61 | 0.50 | 0.43 | 0.34 | 0.31 | 0.24 | 0.18 | 0.15 |  |
|                                                                                                                                                                                    | 0.30 |       | 0.65           | 0.53 | 0.45 | 0.39 | 0.31 | 0.26 | 0.22 | 0.17 | 0.14 |  |
|                                                                                                                                                                                    | 0.20 |       | 0.56           | 0.47 | 0.40 | 0.35 | 0.29 | 0.24 | 0.21 | 0.16 | 0.13 |  |
| 0.30                                                                                                                                                                               | 0.50 | 0.20  | 0.74           | 0.58 | 0.48 | 0.41 | 0.32 | 0.26 | 0.22 | 0.17 | 0.14 |  |
|                                                                                                                                                                                    | 0.30 |       | 0.63           | 0.51 | 0.43 | 0.37 | 0.29 | 0.24 | 0.21 | 0.16 | 0.13 |  |
|                                                                                                                                                                                    | 0.20 |       | 0.55           | 0.45 | 0.39 | 0.34 | 0.27 | 0.23 | 0.20 | 0.15 | 0.13 |  |
| 0.00                                                                                                                                                                               | 0.00 | 0.00  | 0.43           | 0.34 | 0.29 | 0.24 | 0.19 | 0.16 | 0.13 | 0.10 | 0.08 |  |
| Rating:100W 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 = 1.25 |      |      |      |      |      |      |      |      |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|----------------|------|------|------|------|------|------|------|------|--|
| Room Reflectance                                                                                                                                                                   |      |       | Room Index(RI) |      |      |      |      |      |      |      |      |  |
| Ceiling                                                                                                                                                                            | Wall | Floor | 0.75           | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 |  |
| 0.70                                                                                                                                                                               | 0.50 | 0.20  | 0.15           | 0.17 | 0.18 | 0.18 | 0.20 | 0.20 | 0.21 | 0.21 | 0.22 |  |
|                                                                                                                                                                                    | 0.30 |       | 0.10           | 0.12 | 0.13 | 0.14 | 0.16 | 0.17 | 0.18 | 0.19 | 0.20 |  |
|                                                                                                                                                                                    | 0.20 |       | 0.06           | 0.08 | 0.10 | 0.11 | 0.13 | 0.14 | 0.16 | 0.17 | 0.18 |  |
| 0.50                                                                                                                                                                               | 0.50 | 0.20  | 0.15           | 0.16 | 0.17 | 0.18 | 0.19 | 0.19 | 0.20 | 0.21 | 0.21 |  |
|                                                                                                                                                                                    | 0.30 |       | 0.10           | 0.11 | 0.13 | 0.14 | 0.15 | 0.17 | 0.17 | 0.19 | 0.19 |  |
|                                                                                                                                                                                    | 0.20 |       | 0.06           | 0.08 | 0.09 | 0.11 | 0.13 | 0.14 | 0.15 | 0.17 | 0.18 |  |
| 0.30                                                                                                                                                                               | 0.50 | 0.20  | 0.14           | 0.16 | 0.16 | 0.17 | 0.18 | 0.19 | 0.19 | 0.20 | 0.20 |  |
|                                                                                                                                                                                    | 0.30 |       | 0.10           | 0.11 | 0.12 | 0.14 | 0.15 | 0.16 | 0.17 | 0.18 | 0.19 |  |
|                                                                                                                                                                                    | 0.20 |       | 0.06           | 0.08 | 0.09 | 0.11 | 0.12 | 0.14 | 0.15 | 0.16 | 0.17 |  |
| 0.00                                                                                                                                                                               | 0.00 | 0.00  | 0.01           | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |  |
| Rating:100W 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      | 7212.2                    | 6.9                | 6.9                    | 0.05                  | 0.05                      |
| 1.0-2.0      | 7212.5                    | 20.7               | 27.6                   | 0.14                  | 0.18                      |
| 2.0-3.0      | 7212.3                    | 34.5               | 62.1                   | 0.23                  | 0.42                      |
| 3.0-4.0      | 7211.3                    | 48.3               | 110.4                  | 0.32                  | 0.74                      |
| 4.0-5.0      | 7208.9                    | 62.0               | 172.4                  | 0.42                  | 1.15                      |
| 5.0-6.0      | 7206.7                    | 75.7               | 248.2                  | 0.51                  | 1.66                      |
| 6.0-7.0      | 7206.2                    | 89.5               | 337.6                  | 0.60                  | 2.26                      |
| 7.0-8.0      | 7207.6                    | 103.2              | 440.8                  | 0.69                  | 2.95                      |
| 8.0-9.0      | 7208.4                    | 116.8              | 557.6                  | 0.78                  | 3.73                      |
| 9.0-10.0     | 7207.5                    | 130.4              | 688.1                  | 0.87                  | 4.61                      |
| 10.0-11.0    | 7206.8                    | 144.0              | 832.1                  | 0.96                  | 5.57                      |
| 11.0-12.0    | 7207.7                    | 157.6              | 989.7                  | 1.05                  | 6.63                      |
| 12.0-13.0    | 7210.2                    | 171.1              | 1160.8                 | 1.15                  | 7.77                      |
| 13.0-14.0    | 7211.0                    | 184.6              | 1345.4                 | 1.24                  | 9.01                      |
| 14.0-15.0    | 7210.6                    | 198.0              | 1543.4                 | 1.33                  | 10.33                     |
| 15.0-16.0    | 7208.0                    | 211.2              | 1754.6                 | 1.41                  | 11.75                     |
| 16.0-17.0    | 7204.3                    | 224.4              | 1979.0                 | 1.50                  | 13.25                     |
| 17.0-18.0    | 7197.2                    | 237.3              | 2216.3                 | 1.59                  | 14.84                     |
| 18.0-19.0    | 7184.0                    | 250.0              | 2466.3                 | 1.67                  | 16.51                     |
| 19.0-20.0    | 7168.0                    | 262.4              | 2728.7                 | 1.76                  | 18.27                     |
| 20.0-21.0    | 7145.8                    | 274.4              | 3003.1                 | 1.84                  | 20.10                     |
| 21.0-22.0    | 7116.5                    | 286.0              | 3289.1                 | 1.91                  | 22.02                     |
| 22.0-23.0    | 7080.6                    | 297.1              | 3586.3                 | 1.99                  | 24.01                     |
| 23.0-24.0    | 7037.3                    | 307.7              | 3894.0                 | 2.06                  | 26.07                     |
| 24.0-25.0    | 6988.0                    | 317.8              | 4211.8                 | 2.13                  | 28.20                     |
| 25.0-26.0    | 6930.9                    | 327.2              | 4539.0                 | 2.19                  | 30.39                     |
| 26.0-27.0    | 6863.5                    | 335.8              | 4874.8                 | 2.25                  | 32.64                     |
| 27.0-28.0    | 6787.5                    | 343.7              | 5218.5                 | 2.30                  | 34.94                     |
| 28.0-29.0    | 6703.6                    | 350.8              | 5569.3                 | 2.35                  | 37.28                     |
| 29.0-30.0    | 6609.7                    | 356.9              | 5926.2                 | 2.39                  | 39.67                     |
| 30.0-31.0    | 6504.4                    | 362.0              | 6288.2                 | 2.42                  | 42.10                     |
| 31.0-32.0    | 6383.2                    | 365.7              | 6654.0                 | 2.45                  | 44.55                     |
| 32.0-33.0    | 6246.3                    | 368.0              | 7022.0                 | 2.46                  | 47.01                     |
| 33.0-34.0    | 6095.1                    | 368.9              | 7390.9                 | 2.47                  | 49.48                     |
| 34.0-35.0    | 5925.7                    | 368.1              | 7759.0                 | 2.46                  | 51.94                     |
| 35.0-36.0    | 5736.6                    | 365.3              | 8124.3                 | 2.45                  | 54.39                     |

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    | 5529.4                    | 360.7              | 8485.0                 | 2.41                  | 56.80                     |
| 37.0-38.0    | 5307.4                    | 354.3              | 8839.3                 | 2.37                  | 59.18                     |
| 38.0-39.0    | 5073.1                    | 346.3              | 9185.6                 | 2.32                  | 61.49                     |
| 39.0-40.0    | 4830.8                    | 337.0              | 9522.6                 | 2.26                  | 63.75                     |
| 40.0-41.0    | 4587.6                    | 326.7              | 9849.3                 | 2.19                  | 65.94                     |
| 41.0-42.0    | 4344.1                    | 315.7              | 10164.9                | 2.11                  | 68.05                     |
| 42.0-43.0    | 4101.2                    | 303.8              | 10468.8                | 2.03                  | 70.09                     |
| 43.0-44.0    | 3865.1                    | 291.8              | 10760.5                | 1.95                  | 72.04                     |
| 44.0-45.0    | 3635.6                    | 279.4              | 11040.0                | 1.87                  | 73.91                     |
| 45.0-46.0    | 3409.6                    | 266.7              | 11306.7                | 1.79                  | 75.69                     |
| 46.0-47.0    | 3190.3                    | 253.8              | 11560.4                | 1.70                  | 77.39                     |
| 47.0-48.0    | 2975.4                    | 240.6              | 11801.0                | 1.61                  | 79.00                     |
| 48.0-49.0    | 2763.2                    | 226.9              | 12028.0                | 1.52                  | 80.52                     |
| 49.0-50.0    | 2560.4                    | 213.5              | 12241.5                | 1.43                  | 81.95                     |
| 50.0-51.0    | 2368.6                    | 200.4              | 12441.9                | 1.34                  | 83.29                     |
| 51.0-52.0    | 2185.9                    | 187.6              | 12629.5                | 1.26                  | 84.55                     |
| 52.0-53.0    | 2014.5                    | 175.3              | 12804.8                | 1.17                  | 85.72                     |
| 53.0-54.0    | 1857.0                    | 163.7              | 12968.4                | 1.10                  | 86.82                     |
| 54.0-55.0    | 1710.5                    | 152.7              | 13121.2                | 1.02                  | 87.84                     |
| 55.0-56.0    | 1574.2                    | 142.3              | 13263.4                | 0.95                  | 88.79                     |
| 56.0-57.0    | 1450.3                    | 132.6              | 13396.1                | 0.89                  | 89.68                     |
| 57.0-58.0    | 1335.9                    | 123.5              | 13519.6                | 0.83                  | 90.51                     |
| 58.0-59.0    | 1229.0                    | 114.9              | 13634.5                | 0.77                  | 91.28                     |
| 59.0-60.0    | 1131.8                    | 106.9              | 13741.5                | 0.72                  | 91.99                     |
| 60.0-61.0    | 1042.0                    | 99.5               | 13840.9                | 0.67                  | 92.66                     |
| 61.0-62.0    | 957.9                     | 92.3               | 13933.2                | 0.62                  | 93.28                     |
| 62.0-63.0    | 881.0                     | 85.7               | 14018.9                | 0.57                  | 93.85                     |
| 63.0-64.0    | 810.0                     | 79.5               | 14098.4                | 0.53                  | 94.38                     |
| 64.0-65.0    | 743.0                     | 73.5               | 14172.0                | 0.49                  | 94.88                     |
| 65.0-66.0    | 681.1                     | 68.0               | 14239.9                | 0.45                  | 95.33                     |
| 66.0-67.0    | 623.7                     | 62.7               | 14302.6                | 0.42                  | 95.75                     |
| 67.0-68.0    | 569.8                     | 57.7               | 14360.4                | 0.39                  | 96.14                     |
| 68.0-69.0    | 519.3                     | 53.0               | 14413.4                | 0.35                  | 96.49                     |
| 69.0-70.0    | 473.4                     | 48.6               | 14462.0                | 0.33                  | 96.82                     |
| 70.0-71.0    | 430.6                     | 44.5               | 14506.5                | 0.30                  | 97.12                     |
| 71.0-72.0    | 390.6                     | 40.6               | 14547.1                | 0.27                  | 97.39                     |

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    | 354.2                     | 37.0               | 14584.2                | 0.25                  | 97.64                     |
| 73.0-74.0    | 320.4                     | 33.7               | 14617.9                | 0.23                  | 97.86                     |
| 74.0-75.0    | 288.7                     | 30.5               | 14648.4                | 0.20                  | 98.07                     |
| 75.0-76.0    | 259.3                     | 27.5               | 14675.9                | 0.18                  | 98.25                     |
| 76.0-77.0    | 231.7                     | 24.7               | 14700.6                | 0.17                  | 98.42                     |
| 77.0-78.0    | 205.0                     | 22.0               | 14722.6                | 0.15                  | 98.56                     |
| 78.0-79.0    | 179.6                     | 19.3               | 14741.9                | 0.13                  | 98.69                     |
| 79.0-80.0    | 155.4                     | 16.8               | 14758.6                | 0.11                  | 98.80                     |
| 80.0-81.0    | 131.6                     | 14.2               | 14772.8                | 0.10                  | 98.90                     |
| 81.0-82.0    | 108.9                     | 11.8               | 14784.7                | 0.08                  | 98.98                     |
| 82.0-83.0    | 86.9                      | 9.4                | 14794.1                | 0.06                  | 99.04                     |
| 83.0-84.0    | 65.9                      | 7.2                | 14801.3                | 0.05                  | 99.09                     |
| 84.0-85.0    | 47.0                      | 5.1                | 14806.4                | 0.03                  | 99.12                     |
| 85.0-86.0    | 31.3                      | 3.4                | 14809.8                | 0.02                  | 99.15                     |
| 86.0-87.0    | 19.5                      | 2.1                | 14812.0                | 0.01                  | 99.16                     |
| 87.0-88.0    | 11.4                      | 1.2                | 14813.2                | 0.01                  | 99.17                     |
| 88.0-89.0    | 6.4                       | 0.7                | 14813.9                | 0.00                  | 99.17                     |
| 89.0-90.0    | 3.8                       | 0.4                | 14814.3                | 0.00                  | 99.18                     |
| 90.0-91.0    | 2.6                       | 0.3                | 14814.6                | 0.00                  | 99.18                     |
| 91.0-92.0    | 2.5                       | 0.3                | 14814.9                | 0.00                  | 99.18                     |
| 92.0-93.0    | 2.6                       | 0.3                | 14815.2                | 0.00                  | 99.18                     |
| 93.0-94.0    | 2.8                       | 0.3                | 14815.5                | 0.00                  | 99.19                     |
| 94.0-95.0    | 3.0                       | 0.3                | 14815.8                | 0.00                  | 99.19                     |
| 95.0-96.0    | 3.2                       | 0.4                | 14816.2                | 0.00                  | 99.19                     |
| 96.0-97.0    | 3.5                       | 0.4                | 14816.6                | 0.00                  | 99.19                     |
| 97.0-98.0    | 3.8                       | 0.4                | 14817.0                | 0.00                  | 99.19                     |
| 98.0-99.0    | 4.1                       | 0.4                | 14817.4                | 0.00                  | 99.20                     |
| 99.0-100.0   | 4.5                       | 0.5                | 14817.9                | 0.00                  | 99.20                     |
| 100.0-101.0  | 4.8                       | 0.5                | 14818.4                | 0.00                  | 99.20                     |
| 101.0-102.0  | 5.2                       | 0.6                | 14819.0                | 0.00                  | 99.21                     |
| 102.0-103.0  | 5.6                       | 0.6                | 14819.6                | 0.00                  | 99.21                     |
| 103.0-104.0  | 6.0                       | 0.6                | 14820.2                | 0.00                  | 99.22                     |
| 104.0-105.0  | 6.4                       | 0.7                | 14820.9                | 0.00                  | 99.22                     |
| 105.0-106.0  | 6.9                       | 0.7                | 14821.6                | 0.00                  | 99.23                     |
| 106.0-107.0  | 7.4                       | 0.8                | 14822.4                | 0.01                  | 99.23                     |
| 107.0-108.0  | 7.9                       | 0.8                | 14823.2                | 0.01                  | 99.24                     |

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  | 8.5                       | 0.9                | 14824.1                | 0.01                  | 99.24                     |
| 109.0-110.0  | 9.0                       | 0.9                | 14825.1                | 0.01                  | 99.25                     |
| 110.0-111.0  | 9.7                       | 1.0                | 14826.1                | 0.01                  | 99.26                     |
| 111.0-112.0  | 10.3                      | 1.0                | 14827.1                | 0.01                  | 99.26                     |
| 112.0-113.0  | 10.9                      | 1.1                | 14828.2                | 0.01                  | 99.27                     |
| 113.0-114.0  | 11.5                      | 1.2                | 14829.4                | 0.01                  | 99.28                     |
| 114.0-115.0  | 12.2                      | 1.2                | 14830.6                | 0.01                  | 99.29                     |
| 115.0-116.0  | 12.9                      | 1.3                | 14831.9                | 0.01                  | 99.29                     |
| 116.0-117.0  | 13.6                      | 1.3                | 14833.2                | 0.01                  | 99.30                     |
| 117.0-118.0  | 14.3                      | 1.4                | 14834.6                | 0.01                  | 99.31                     |
| 118.0-119.0  | 14.9                      | 1.4                | 14836.0                | 0.01                  | 99.32                     |
| 119.0-120.0  | 15.6                      | 1.5                | 14837.5                | 0.01                  | 99.33                     |
| 120.0-121.0  | 16.4                      | 1.6                | 14839.1                | 0.01                  | 99.34                     |
| 121.0-122.0  | 17.2                      | 1.6                | 14840.7                | 0.01                  | 99.35                     |
| 122.0-123.0  | 17.9                      | 1.7                | 14842.3                | 0.01                  | 99.36                     |
| 123.0-124.0  | 18.7                      | 1.7                | 14844.0                | 0.01                  | 99.38                     |
| 124.0-125.0  | 19.5                      | 1.8                | 14845.8                | 0.01                  | 99.39                     |
| 125.0-126.0  | 20.2                      | 1.8                | 14847.6                | 0.01                  | 99.40                     |
| 126.0-127.0  | 21.0                      | 1.9                | 14849.5                | 0.01                  | 99.41                     |
| 127.0-128.0  | 21.8                      | 1.9                | 14851.4                | 0.01                  | 99.43                     |
| 128.0-129.0  | 22.6                      | 1.9                | 14853.3                | 0.01                  | 99.44                     |
| 129.0-130.0  | 23.4                      | 2.0                | 14855.3                | 0.01                  | 99.45                     |
| 130.0-131.0  | 24.2                      | 2.0                | 14857.3                | 0.01                  | 99.46                     |
| 131.0-132.0  | 25.0                      | 2.1                | 14859.3                | 0.01                  | 99.48                     |
| 132.0-133.0  | 25.8                      | 2.1                | 14861.4                | 0.01                  | 99.49                     |
| 133.0-134.0  | 26.6                      | 2.1                | 14863.5                | 0.01                  | 99.51                     |
| 134.0-135.0  | 27.3                      | 2.1                | 14865.7                | 0.01                  | 99.52                     |
| 135.0-136.0  | 28.2                      | 2.2                | 14867.9                | 0.01                  | 99.54                     |
| 136.0-137.0  | 28.9                      | 2.2                | 14870.0                | 0.01                  | 99.55                     |
| 137.0-138.0  | 29.6                      | 2.2                | 14872.2                | 0.01                  | 99.56                     |
| 138.0-139.0  | 30.4                      | 2.2                | 14874.4                | 0.01                  | 99.58                     |
| 139.0-140.0  | 31.1                      | 2.2                | 14876.7                | 0.01                  | 99.59                     |
| 140.0-141.0  | 31.9                      | 2.2                | 14878.9                | 0.01                  | 99.61                     |
| 141.0-142.0  | 32.6                      | 2.2                | 14881.1                | 0.01                  | 99.62                     |
| 142.0-143.0  | 33.3                      | 2.2                | 14883.3                | 0.01                  | 99.64                     |
| 143.0-144.0  | 34.0                      | 2.2                | 14885.5                | 0.01                  | 99.65                     |

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  | 34.7                      | 2.2                | 14887.7                | 0.01                  | 99.67                     |
| 145.0-146.0  | 35.4                      | 2.2                | 14889.9                | 0.01                  | 99.68                     |
| 146.0-147.0  | 36.1                      | 2.2                | 14892.1                | 0.01                  | 99.70                     |
| 147.0-148.0  | 36.8                      | 2.2                | 14894.3                | 0.01                  | 99.71                     |
| 148.0-149.0  | 37.6                      | 2.2                | 14896.4                | 0.01                  | 99.73                     |
| 149.0-150.0  | 38.3                      | 2.1                | 14898.6                | 0.01                  | 99.74                     |
| 150.0-151.0  | 39.0                      | 2.1                | 14900.7                | 0.01                  | 99.76                     |
| 151.0-152.0  | 39.8                      | 2.1                | 14902.8                | 0.01                  | 99.77                     |
| 152.0-153.0  | 40.5                      | 2.1                | 14904.8                | 0.01                  | 99.78                     |
| 153.0-154.0  | 41.3                      | 2.0                | 14906.8                | 0.01                  | 99.80                     |
| 154.0-155.0  | 42.0                      | 2.0                | 14908.8                | 0.01                  | 99.81                     |
| 155.0-156.0  | 42.8                      | 1.9                | 14910.8                | 0.01                  | 99.82                     |
| 156.0-157.0  | 43.5                      | 1.9                | 14912.7                | 0.01                  | 99.84                     |
| 157.0-158.0  | 44.3                      | 1.9                | 14914.5                | 0.01                  | 99.85                     |
| 158.0-159.0  | 45.0                      | 1.8                | 14916.3                | 0.01                  | 99.86                     |
| 159.0-160.0  | 45.8                      | 1.8                | 14918.1                | 0.01                  | 99.87                     |
| 160.0-161.0  | 46.5                      | 1.7                | 14919.8                | 0.01                  | 99.88                     |
| 161.0-162.0  | 47.2                      | 1.6                | 14921.4                | 0.01                  | 99.89                     |
| 162.0-163.0  | 47.9                      | 1.6                | 14923.0                | 0.01                  | 99.90                     |
| 163.0-164.0  | 48.6                      | 1.5                | 14924.5                | 0.01                  | 99.92                     |
| 164.0-165.0  | 49.3                      | 1.4                | 14926.0                | 0.01                  | 99.92                     |
| 165.0-166.0  | 50.0                      | 1.4                | 14927.4                | 0.01                  | 99.93                     |
| 166.0-167.0  | 50.6                      | 1.3                | 14928.7                | 0.01                  | 99.94                     |
| 167.0-168.0  | 51.3                      | 1.2                | 14929.9                | 0.01                  | 99.95                     |
| 168.0-169.0  | 51.9                      | 1.1                | 14931.0                | 0.01                  | 99.96                     |
| 169.0-170.0  | 52.4                      | 1.0                | 14932.1                | 0.01                  | 99.97                     |
| 170.0-171.0  | 53.0                      | 1.0                | 14933.0                | 0.01                  | 99.97                     |
| 171.0-172.0  | 53.5                      | 0.9                | 14933.9                | 0.01                  | 99.98                     |
| 172.0-173.0  | 54.0                      | 0.8                | 14934.7                | 0.01                  | 99.98                     |
| 173.0-174.0  | 54.4                      | 0.7                | 14935.3                | 0.00                  | 99.99                     |
| 174.0-175.0  | 54.9                      | 0.6                | 14935.9                | 0.00                  | 99.99                     |
| 175.0-176.0  | 55.2                      | 0.5                | 14936.4                | 0.00                  | 99.99                     |
| 176.0-177.0  | 55.4                      | 0.4                | 14936.7                | 0.00                  | 100.00                    |
| 177.0-178.0  | 55.6                      | 0.3                | 14937.0                | 0.00                  | 100.00                    |
| 178.0-179.0  | 55.8                      | 0.2                | 14937.2                | 0.00                  | 100.00                    |
| 179.0-180.0  | 55.8                      | 0.1                | 14937.2                | 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  | 7337.3 | 7279.0 | 7236.0 | 7193.6 | 7182.6 | 7161.9 | 7152.2 | 7152.2 | 7337.3 | 7279.0 |
| G1.0  | 7332.1 | 7281.9 | 7234.8 | 7198.1 | 7188.6 | 7161.5 | 7151.7 | 7152.6 | 7335.9 | 7280.9 |
| G2.0  | 7334.5 | 7279.5 | 7237.9 | 7210.5 | 7183.4 | 7165.5 | 7150.0 | 7145.0 | 7334.5 | 7272.4 |
| G3.0  | 7333.8 | 7272.4 | 7223.3 | 7204.8 | 7180.3 | 7170.7 | 7162.9 | 7136.5 | 7339.3 | 7272.6 |
| G4.0  | 7330.9 | 7281.6 | 7236.2 | 7200.5 | 7176.2 | 7156.5 | 7147.9 | 7142.2 | 7333.3 | 7267.6 |
| G5.0  | 7323.8 | 7271.2 | 7230.0 | 7199.8 | 7176.7 | 7160.7 | 7145.0 | 7139.8 | 7331.6 | 7271.2 |
| G6.0  | 7318.3 | 7262.6 | 7221.7 | 7197.9 | 7182.4 | 7156.9 | 7158.1 | 7139.6 | 7331.1 | 7264.0 |
| G7.0  | 7316.2 | 7274.0 | 7236.9 | 7197.6 | 7176.0 | 7157.4 | 7150.5 | 7149.1 | 7325.0 | 7272.1 |
| G8.0  | 7330.9 | 7267.1 | 7229.8 | 7194.3 | 7185.5 | 7170.5 | 7166.7 | 7153.6 | 7331.9 | 7265.9 |
| G9.0  | 7312.6 | 7262.8 | 7222.6 | 7204.5 | 7187.4 | 7173.1 | 7167.4 | 7158.8 | 7330.7 | 7261.9 |
| G10.0 | 7315.4 | 7262.1 | 7229.3 | 7206.9 | 7181.9 | 7176.9 | 7163.8 | 7141.0 | 7329.5 | 7260.7 |
| G11.0 | 7309.0 | 7258.6 | 7223.1 | 7197.9 | 7184.3 | 7174.5 | 7172.9 | 7145.7 | 7330.4 | 7265.0 |
| G12.0 | 7309.0 | 7264.0 | 7229.8 | 7210.5 | 7186.0 | 7181.5 | 7161.5 | 7152.4 | 7329.5 | 7280.2 |
| G13.0 | 7316.6 | 7266.9 | 7238.1 | 7204.5 | 7197.6 | 7172.6 | 7165.0 | 7160.3 | 7325.9 | 7269.5 |
| G14.0 | 7325.9 | 7259.8 | 7229.3 | 7213.3 | 7198.1 | 7183.8 | 7166.0 | 7156.7 | 7320.7 | 7266.4 |
| G15.0 | 7323.3 | 7264.5 | 7240.2 | 7219.8 | 7189.5 | 7185.5 | 7161.2 | 7152.9 | 7314.5 | 7268.3 |
| G16.0 | 7327.1 | 7263.6 | 7238.3 | 7216.4 | 7197.6 | 7166.7 | 7148.6 | 7134.8 | 7304.0 | 7255.0 |
| G17.0 | 7330.2 | 7265.9 | 7232.1 | 7214.3 | 7187.6 | 7164.1 | 7142.6 | 7116.5 | 7308.1 | 7242.6 |
| G18.0 | 7312.4 | 7259.3 | 7244.8 | 7202.4 | 7167.9 | 7148.1 | 7121.5 | 7091.7 | 7282.1 | 7235.0 |
| G19.0 | 7316.4 | 7268.1 | 7231.4 | 7190.7 | 7151.0 | 7113.6 | 7079.1 | 7067.4 | 7257.4 | 7217.6 |
| G20.0 | 7319.0 | 7265.0 | 7222.1 | 7176.7 | 7139.8 | 7083.1 | 7047.2 | 7036.0 | 7223.8 | 7182.2 |
| G21.0 | 7310.0 | 7253.8 | 7202.4 | 7153.1 | 7107.7 | 7050.3 | 7001.3 | 6979.9 | 7186.7 | 7150.3 |
| G22.0 | 7296.2 | 7227.4 | 7173.8 | 7124.6 | 7069.1 | 7007.7 | 6950.6 | 6941.3 | 7141.2 | 7092.0 |
| G23.0 | 7269.5 | 7204.5 | 7153.1 | 7092.4 | 7013.2 | 6952.2 | 6899.2 | 6863.7 | 7092.7 | 7054.1 |
| G24.0 | 7242.6 | 7171.7 | 7114.8 | 7054.4 | 6967.0 | 6895.6 | 6830.1 | 6788.5 | 7030.1 | 6999.1 |
| G25.0 | 7208.3 | 7139.1 | 7078.4 | 6998.4 | 6914.2 | 6828.5 | 6759.2 | 6720.2 | 6959.9 | 6925.8 |
| G26.0 | 7168.8 | 7094.6 | 7017.7 | 6938.9 | 6838.5 | 6751.8 | 6679.0 | 6634.0 | 6888.2 | 6854.0 |
| G27.0 | 7121.2 | 7045.5 | 6965.3 | 6860.9 | 6762.3 | 6660.7 | 6587.6 | 6548.6 | 6787.5 | 6763.5 |
| G28.0 | 7065.8 | 6987.7 | 6885.4 | 6794.7 | 6680.9 | 6577.4 | 6484.6 | 6439.1 | 6702.1 | 6664.3 |
| G29.0 | 6993.2 | 6904.4 | 6815.9 | 6719.0 | 6580.5 | 6476.5 | 6379.1 | 6324.6 | 6591.4 | 6562.1 |
| G30.0 | 6931.3 | 6834.7 | 6733.8 | 6612.1 | 6480.8 | 6356.7 | 6258.9 | 6192.8 | 6474.1 | 6444.6 |
| G31.0 | 6849.0 | 6744.0 | 6638.8 | 6512.6 | 6365.3 | 6225.8 | 6110.6 | 6042.3 | 6339.1 | 6312.5 |
| G32.0 | 6745.6 | 6650.7 | 6541.4 | 6392.9 | 6235.6 | 6066.1 | 5951.9 | 5871.7 | 6173.0 | 6167.0 |
| G33.0 | 6655.5 | 6546.9 | 6421.2 | 6256.1 | 6094.9 | 5903.1 | 5764.1 | 5692.5 | 5995.5 | 5981.9 |
| G34.0 | 6537.6 | 6424.6 | 6295.8 | 6111.1 | 5929.3 | 5718.6 | 5561.1 | 5485.9 | 5802.2 | 5797.4 |
| G35.0 | 6409.3 | 6290.3 | 6153.0 | 5948.1 | 5741.7 | 5513.0 | 5342.8 | 5256.0 | 5572.0 | 5579.9 |
| G36.0 | 6264.6 | 6136.6 | 5984.5 | 5765.3 | 5514.7 | 5286.7 | 5114.6 | 5015.3 | 5335.2 | 5352.1 |

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 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 | 6087.1 | 5964.3 | 5791.7 | 5560.1 | 5297.6 | 5064.4 | 4874.0 | 4774.9 | 5077.5 | 5110.8 |
| G38.0 | 5898.3 | 5767.4 | 5587.7 | 5343.1 | 5061.3 | 4825.6 | 4641.6 | 4528.4 | 4824.9 | 4850.4 |
| G39.0 | 5689.4 | 5553.7 | 5363.8 | 5091.0 | 4833.3 | 4596.7 | 4401.3 | 4290.4 | 4551.9 | 4598.1 |
| G40.0 | 5442.5 | 5315.2 | 5115.0 | 4844.4 | 4586.2 | 4360.3 | 4171.4 | 4060.7 | 4305.3 | 4344.4 |
| G41.0 | 5198.6 | 5072.7 | 4864.2 | 4584.0 | 4349.1 | 4124.7 | 3950.9 | 3840.3 | 4069.2 | 4104.5 |
| G42.0 | 4926.3 | 4808.7 | 4599.3 | 4328.2 | 4104.7 | 3900.5 | 3736.7 | 3617.5 | 3839.3 | 3858.1 |
| G43.0 | 4656.2 | 4556.0 | 4353.2 | 4083.5 | 3863.4 | 3681.1 | 3521.1 | 3413.5 | 3597.7 | 3626.1 |
| G44.0 | 4407.5 | 4307.7 | 4115.9 | 3834.6 | 3638.4 | 3449.5 | 3292.4 | 3198.6 | 3370.7 | 3398.1 |
| G45.0 | 4164.7 | 4055.0 | 3884.3 | 3602.7 | 3412.3 | 3228.4 | 3070.3 | 2988.2 | 3143.1 | 3177.9 |
| G46.0 | 3926.0 | 3821.5 | 3650.6 | 3382.6 | 3182.4 | 3011.3 | 2855.4 | 2783.5 | 2913.7 | 2953.9 |
| G47.0 | 3695.3 | 3596.1 | 3424.5 | 3156.2 | 2966.5 | 2801.4 | 2648.8 | 2586.7 | 2706.2 | 2750.2 |
| G48.0 | 3459.5 | 3367.8 | 3189.8 | 2953.0 | 2765.4 | 2601.2 | 2447.7 | 2393.7 | 2495.5 | 2540.8 |
| G49.0 | 3236.7 | 3143.6 | 2959.4 | 2751.4 | 2555.7 | 2398.6 | 2249.7 | 2203.0 | 2300.8 | 2348.4 |
| G50.0 | 3016.5 | 2936.3 | 2758.3 | 2558.6 | 2365.3 | 2215.9 | 2075.0 | 2031.2 | 2118.8 | 2157.8 |
| G51.0 | 2801.1 | 2734.5 | 2541.7 | 2377.9 | 2177.5 | 2044.7 | 1915.7 | 1876.7 | 1941.2 | 1988.6 |
| G52.0 | 2592.9 | 2535.0 | 2343.9 | 2188.5 | 2008.6 | 1877.2 | 1762.5 | 1730.1 | 1786.0 | 1824.1 |
| G53.0 | 2391.5 | 2334.4 | 2154.7 | 2015.9 | 1844.8 | 1735.8 | 1629.7 | 1596.6 | 1642.3 | 1680.1 |
| G54.0 | 2209.4 | 2156.6 | 1985.2 | 1861.2 | 1701.1 | 1600.8 | 1506.4 | 1476.1 | 1509.2 | 1543.7 |
| G55.0 | 2035.2 | 1983.6 | 1823.4 | 1712.0 | 1567.8 | 1472.6 | 1386.6 | 1364.7 | 1380.9 | 1422.1 |
| G56.0 | 1872.2 | 1825.5 | 1678.2 | 1579.7 | 1436.2 | 1358.8 | 1282.4 | 1260.3 | 1265.3 | 1303.1 |
| G57.0 | 1719.4 | 1683.7 | 1544.4 | 1456.8 | 1325.9 | 1255.5 | 1187.2 | 1160.8 | 1165.1 | 1200.3 |
| G58.0 | 1587.0 | 1547.1 | 1420.4 | 1342.6 | 1222.9 | 1154.6 | 1091.8 | 1072.5 | 1067.0 | 1099.4 |
| G59.0 | 1457.3 | 1419.3 | 1303.6 | 1233.8 | 1129.8 | 1061.5 | 1007.3 | 989.2  | 979.9  | 1010.1 |
| G60.0 | 1340.7 | 1308.1 | 1199.1 | 1137.7 | 1041.8 | 978.9  | 932.0  | 912.3  | 901.3  | 924.0  |
| G61.0 | 1233.1 | 1203.8 | 1102.5 | 1049.9 | 957.0  | 901.1  | 858.0  | 842.3  | 825.2  | 848.3  |
| G62.0 | 1129.3 | 1103.9 | 1011.5 | 966.1  | 881.3  | 828.0  | 788.5  | 771.6  | 757.1  | 774.2  |
| G63.0 | 1037.5 | 1017.3 | 932.0  | 890.6  | 814.0  | 763.8  | 728.5  | 711.4  | 694.3  | 709.5  |
| G64.0 | 954.7  | 934.2  | 855.9  | 816.6  | 750.2  | 698.6  | 668.3  | 650.7  | 635.3  | 646.9  |
| G65.0 | 876.6  | 857.1  | 786.1  | 747.3  | 687.1  | 642.2  | 613.6  | 597.2  | 577.7  | 590.3  |
| G66.0 | 803.5  | 787.1  | 718.1  | 686.2  | 632.6  | 587.6  | 562.9  | 546.0  | 527.9  | 536.5  |
| G67.0 | 740.2  | 717.1  | 660.0  | 629.8  | 580.3  | 538.1  | 512.9  | 496.5  | 478.6  | 487.7  |
| G68.0 | 675.7  | 655.0  | 602.6  | 575.0  | 528.1  | 489.4  | 467.2  | 449.8  | 433.2  | 440.8  |
| G69.0 | 616.9  | 599.1  | 550.5  | 521.7  | 481.3  | 444.8  | 426.3  | 410.6  | 393.9  | 399.9  |
| G70.0 | 563.8  | 544.1  | 502.4  | 477.0  | 439.1  | 406.3  | 389.6  | 372.7  | 358.0  | 363.0  |
| G71.0 | 510.8  | 491.0  | 455.8  | 432.7  | 399.9  | 369.6  | 353.9  | 338.2  | 323.0  | 328.0  |
| G72.0 | 464.6  | 446.5  | 415.3  | 392.5  | 361.5  | 335.1  | 321.5  | 304.2  | 291.6  | 294.2  |
| G73.0 | 420.8  | 403.4  | 377.5  | 357.5  | 328.2  | 304.2  | 291.1  | 275.4  | 262.8  | 265.6  |

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  | 379.9 | 365.6 | 342.0 | 320.8 | 295.4 | 274.4  | 261.6  | 248.5  | 234.9  | 237.5  |
| G75.0  | 342.7 | 329.9 | 308.9 | 288.7 | 265.1 | 245.6  | 233.7  | 221.6  | 208.5  | 212.5  |
| G76.0  | 309.4 | 296.8 | 278.5 | 259.9 | 238.5 | 219.7  | 208.7  | 196.4  | 184.5  | 186.6  |
| G77.0  | 278.5 | 264.9 | 250.9 | 232.8 | 211.4 | 193.7  | 183.7  | 171.8  | 159.9  | 163.5  |
| G78.0  | 247.5 | 236.8 | 223.0 | 206.1 | 185.6 | 168.8  | 158.8  | 147.1  | 136.6  | 140.4  |
| G79.0  | 219.4 | 210.4 | 198.0 | 180.2 | 160.4 | 144.7  | 135.9  | 124.7  | 116.6  | 119.5  |
| G80.0  | 192.3 | 183.3 | 173.0 | 154.5 | 136.6 | 120.2  | 114.5  | 103.5  | 95.9   | 99.3   |
| G81.0  | 167.3 | 156.6 | 146.9 | 130.9 | 114.0 | 98.1   | 93.3   | 83.1   | 76.6   | 80.2   |
| G82.0  | 143.0 | 131.9 | 122.8 | 107.6 | 93.1  | 75.9   | 73.8   | 63.1   | 58.8   | 61.6   |
| G83.0  | 121.4 | 106.2 | 96.4  | 86.4  | 74.5  | 53.1   | 52.8   | 42.1   | 42.4   | 43.8   |
| G84.0  | 100.2 | 81.2  | 73.8  | 66.2  | 56.2  | 33.8   | 35.5   | 25.2   | 26.9   | 27.4   |
| G85.0  | 81.4  | 59.3  | 52.6  | 46.2  | 39.3  | 20.9   | 21.4   | 12.6   | 11.2   | 12.1   |
| G86.0  | 64.5  | 41.4  | 35.2  | 29.0  | 24.0  | 11.7   | 9.3    | 5.5    | 2.6    | 4.8    |
| G87.0  | 45.9  | 28.8  | 23.3  | 16.2  | 9.8   | 5.5    | 4.5    | 2.6    | 1.7    | 2.1    |
| G88.0  | 28.3  | 18.6  | 14.0  | 8.3   | 3.1   | 2.9    | 2.9    | 2.1    | 1.9    | 1.9    |
| G89.0  | 14.0  | 10.5  | 7.1   | 4.3   | 2.4   | 2.6    | 2.6    | 2.9    | 1.9    | 2.4    |
| G90.0  | 4.1   | 4.5   | 3.8   | 2.6   | 2.9   | 2.6    | 2.9    | 2.9    | 1.9    | 2.4    |
| G91.0  | 2.4   | 2.6   | 2.1   | 2.9   | 2.6   | 2.9    | 3.1    | 3.1    | 2.1    | 2.6    |
| G92.0  | 2.4   | 2.9   | 2.4   | 2.9   | 2.9   | 3.1    | 3.3    | 3.3    | 2.4    | 2.9    |
| G93.0  | 2.6   | 3.1   | 2.9   | 3.1   | 3.3   | 3.1    | 3.6    | 3.1    | 2.4    | 2.9    |
| G94.0  | 2.6   | 3.1   | 3.1   | 3.1   | 3.3   | 3.6    | 3.8    | 3.6    | 2.6    | 3.1    |
| G95.0  | 2.9   | 3.3   | 3.3   | 3.6   | 3.6   | 3.3    | 4.1    | 4.1    | 2.9    | 3.3    |
| G96.0  | 3.1   | 3.6   | 3.3   | 4.1   | 3.8   | 4.1    | 4.5    | 4.3    | 3.3    | 3.6    |
| G97.0  | 3.3   | 4.1   | 3.6   | 4.1   | 4.3   | 4.5    | 4.8    | 4.5    | 3.8    | 3.8    |
| G98.0  | 4.1   | 4.3   | 4.3   | 4.3   | 4.5   | 4.8    | 5.2    | 5.2    | 3.8    | 4.1    |
| G99.0  | 4.3   | 4.5   | 4.5   | 4.8   | 5.0   | 5.0    | 5.7    | 5.5    | 4.1    | 4.3    |
| G100.0 | 4.8   | 4.8   | 4.8   | 5.2   | 5.2   | 5.7    | 5.9    | 5.9    | 4.5    | 4.8    |
| G101.0 | 5.0   | 5.5   | 5.2   | 5.7   | 5.7   | 5.9    | 6.4    | 6.4    | 5.0    | 5.0    |
| G102.0 | 5.0   | 5.7   | 5.7   | 5.9   | 6.2   | 6.7    | 6.9    | 6.9    | 5.2    | 5.5    |
| G103.0 | 5.7   | 5.9   | 5.9   | 6.7   | 6.7   | 6.9    | 7.4    | 7.4    | 5.5    | 5.7    |
| G104.0 | 6.2   | 6.4   | 6.7   | 7.1   | 6.9   | 7.6    | 8.1    | 8.1    | 5.9    | 6.4    |
| G105.0 | 6.4   | 6.9   | 7.1   | 7.6   | 7.6   | 8.1    | 8.8    | 8.8    | 6.2    | 6.9    |
| G106.0 | 7.1   | 7.6   | 7.6   | 8.1   | 8.1   | 8.8    | 9.3    | 9.0    | 6.9    | 7.1    |
| G107.0 | 7.4   | 7.8   | 8.3   | 8.6   | 9.0   | 9.3    | 10.0   | 10.0   | 7.6    | 7.6    |
| G108.0 | 8.1   | 8.6   | 8.8   | 9.0   | 9.3   | 9.8    | 10.7   | 10.5   | 7.8    | 8.1    |
| G109.0 | 8.6   | 9.0   | 9.3   | 9.8   | 10.0  | 10.7   | 11.2   | 11.2   | 8.6    | 8.8    |
| G110.0 | 9.0   | 10.0  | 9.8   | 10.5  | 10.5  | 11.2   | 12.1   | 11.9   | 9.3    | 9.3    |

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 | 10.0 | 10.5  | 10.5  | 11.2  | 11.2  | 12.1   | 12.6   | 12.6   | 9.8    | 9.8    |
| G112.0 | 10.7 | 11.2  | 11.4  | 11.9  | 11.9  | 12.6   | 13.1   | 13.3   | 10.2   | 10.2   |
| G113.0 | 11.2 | 11.9  | 11.9  | 12.4  | 12.4  | 13.6   | 14.0   | 14.3   | 10.9   | 10.9   |
| G114.0 | 11.9 | 12.4  | 12.6  | 13.3  | 13.6  | 14.0   | 14.8   | 15.0   | 11.4   | 11.7   |
| G115.0 | 12.6 | 13.3  | 13.3  | 14.0  | 14.0  | 15.0   | 15.5   | 15.5   | 12.4   | 12.4   |
| G116.0 | 13.3 | 14.0  | 14.0  | 15.0  | 15.0  | 15.7   | 16.4   | 16.2   | 12.6   | 12.9   |
| G117.0 | 14.3 | 15.0  | 15.0  | 15.5  | 15.7  | 16.4   | 17.4   | 16.9   | 13.6   | 13.8   |
| G118.0 | 15.0 | 15.5  | 15.5  | 16.4  | 16.4  | 17.1   | 17.6   | 17.9   | 14.5   | 14.3   |
| G119.0 | 15.7 | 16.2  | 16.4  | 17.1  | 17.1  | 17.9   | 18.3   | 18.6   | 14.8   | 15.0   |
| G120.0 | 16.7 | 17.1  | 16.9  | 17.9  | 18.1  | 18.6   | 19.0   | 19.3   | 15.7   | 15.7   |
| G121.0 | 17.4 | 17.9  | 17.9  | 18.8  | 18.8  | 19.8   | 20.0   | 20.2   | 16.4   | 16.4   |
| G122.0 | 18.1 | 18.8  | 18.6  | 19.3  | 19.8  | 20.2   | 20.9   | 20.9   | 17.4   | 17.1   |
| G123.0 | 19.0 | 19.5  | 19.5  | 20.2  | 20.7  | 20.9   | 21.9   | 21.7   | 17.9   | 17.9   |
| G124.0 | 20.0 | 20.5  | 20.5  | 20.9  | 21.4  | 22.1   | 22.4   | 22.9   | 18.8   | 18.8   |
| G125.0 | 20.7 | 21.2  | 21.2  | 21.7  | 22.4  | 22.6   | 23.3   | 23.3   | 19.8   | 19.5   |
| G126.0 | 21.7 | 21.9  | 21.9  | 22.6  | 23.1  | 23.3   | 24.0   | 24.0   | 20.2   | 20.2   |
| G127.0 | 22.6 | 22.9  | 23.1  | 23.3  | 23.8  | 24.5   | 25.0   | 24.8   | 21.2   | 20.9   |
| G128.0 | 23.3 | 23.8  | 23.6  | 24.3  | 24.8  | 25.0   | 25.5   | 25.9   | 22.1   | 21.9   |
| G129.0 | 24.3 | 24.5  | 24.5  | 25.2  | 25.5  | 25.9   | 26.7   | 26.4   | 22.6   | 22.6   |
| G130.0 | 25.0 | 25.0  | 25.5  | 25.9  | 26.4  | 26.9   | 27.1   | 27.4   | 23.8   | 23.3   |
| G131.0 | 25.9 | 26.2  | 26.2  | 26.7  | 27.4  | 27.6   | 28.1   | 28.1   | 24.0   | 24.3   |
| G132.0 | 26.9 | 27.1  | 26.7  | 27.6  | 28.1  | 28.3   | 28.8   | 29.0   | 25.5   | 25.0   |
| G133.0 | 27.9 | 27.9  | 27.6  | 28.3  | 28.8  | 29.3   | 29.8   | 30.0   | 25.7   | 25.7   |
| G134.0 | 28.6 | 28.3  | 28.6  | 29.3  | 29.8  | 30.0   | 30.5   | 30.5   | 26.7   | 26.4   |
| G135.0 | 29.3 | 29.3  | 29.0  | 30.2  | 30.5  | 30.9   | 31.4   | 31.4   | 27.1   | 27.4   |
| G136.0 | 30.0 | 30.2  | 30.0  | 30.7  | 31.2  | 31.7   | 32.1   | 32.1   | 28.3   | 28.1   |
| G137.0 | 30.7 | 30.9  | 30.9  | 31.4  | 31.9  | 31.7   | 32.8   | 32.6   | 29.3   | 28.8   |
| G138.0 | 31.4 | 31.7  | 31.7  | 32.1  | 32.8  | 32.8   | 33.6   | 33.8   | 29.8   | 29.3   |
| G139.0 | 32.4 | 32.1  | 32.1  | 32.8  | 33.3  | 33.8   | 34.3   | 34.3   | 30.5   | 30.2   |
| G140.0 | 33.3 | 33.1  | 33.1  | 33.6  | 34.3  | 34.5   | 35.0   | 35.0   | 31.4   | 30.9   |
| G141.0 | 33.8 | 33.8  | 33.8  | 34.5  | 35.0  | 35.2   | 35.5   | 35.5   | 31.9   | 31.7   |
| G142.0 | 34.8 | 34.5  | 34.5  | 35.0  | 35.7  | 35.9   | 36.2   | 36.4   | 32.8   | 32.4   |
| G143.0 | 35.5 | 35.5  | 35.2  | 35.7  | 36.4  | 36.4   | 36.7   | 37.1   | 33.6   | 33.1   |
| G144.0 | 36.2 | 35.9  | 35.7  | 36.4  | 36.9  | 37.1   | 37.6   | 37.6   | 34.0   | 33.8   |
| G145.0 | 36.7 | 36.9  | 36.7  | 36.9  | 37.6  | 37.6   | 38.6   | 38.3   | 34.8   | 34.3   |
| G146.0 | 37.1 | 37.6  | 37.1  | 37.8  | 38.3  | 38.6   | 39.0   | 39.3   | 35.7   | 35.5   |
| G147.0 | 38.1 | 38.1  | 38.1  | 38.6  | 39.5  | 39.0   | 39.5   | 39.5   | 36.4   | 35.9   |

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 | 38.8 | 39.3  | 38.8  | 39.0  | 39.5  | 39.5   | 40.2   | 40.5   | 37.1   | 36.9   |
| G149.0 | 39.5 | 39.5  | 39.3  | 39.8  | 40.2  | 40.7   | 40.9   | 40.9   | 37.8   | 37.4   |
| G150.0 | 40.5 | 40.2  | 40.0  | 40.9  | 40.9  | 41.4   | 41.7   | 41.7   | 38.8   | 38.3   |
| G151.0 | 40.7 | 40.9  | 40.9  | 41.4  | 41.9  | 41.7   | 42.4   | 42.4   | 39.5   | 39.3   |
| G152.0 | 41.4 | 41.7  | 41.4  | 41.9  | 42.4  | 42.6   | 43.3   | 43.3   | 40.2   | 40.2   |
| G153.0 | 42.6 | 42.4  | 42.1  | 42.6  | 43.1  | 43.1   | 43.8   | 43.8   | 41.2   | 40.9   |
| G154.0 | 42.8 | 42.8  | 43.1  | 43.6  | 43.8  | 44.0   | 44.3   | 44.5   | 42.1   | 41.9   |
| G155.0 | 43.6 | 43.8  | 43.8  | 44.0  | 44.5  | 44.8   | 45.2   | 45.0   | 42.8   | 42.6   |
| G156.0 | 44.5 | 44.5  | 44.3  | 44.8  | 45.5  | 45.5   | 45.7   | 45.9   | 43.6   | 43.3   |
| G157.0 | 45.2 | 45.0  | 45.0  | 45.5  | 45.9  | 45.9   | 46.2   | 46.4   | 44.5   | 44.3   |
| G158.0 | 45.7 | 45.9  | 45.7  | 46.2  | 46.7  | 46.7   | 47.1   | 46.9   | 45.2   | 45.2   |
| G159.0 | 46.4 | 46.4  | 46.4  | 46.9  | 46.9  | 47.1   | 47.6   | 47.6   | 46.2   | 45.9   |
| G160.0 | 47.1 | 47.1  | 47.1  | 47.8  | 47.8  | 47.8   | 48.3   | 48.3   | 47.1   | 46.9   |
| G161.0 | 47.8 | 47.8  | 47.4  | 48.3  | 48.5  | 48.3   | 48.8   | 49.0   | 47.8   | 47.6   |
| G162.0 | 48.8 | 48.5  | 48.3  | 48.8  | 49.0  | 49.0   | 49.7   | 49.5   | 48.5   | 48.3   |
| G163.0 | 49.5 | 49.3  | 48.5  | 49.7  | 49.5  | 49.5   | 50.2   | 50.2   | 49.3   | 49.0   |
| G164.0 | 50.0 | 49.5  | 49.5  | 50.0  | 50.2  | 50.0   | 50.7   | 50.7   | 50.2   | 50.0   |
| G165.0 | 50.7 | 50.7  | 50.2  | 50.7  | 50.9  | 50.7   | 51.2   | 51.2   | 50.7   | 50.9   |
| G166.0 | 51.2 | 51.2  | 50.9  | 51.4  | 51.7  | 51.4   | 51.7   | 51.7   | 51.4   | 51.2   |
| G167.0 | 51.9 | 51.7  | 51.2  | 51.9  | 52.1  | 51.9   | 52.4   | 52.1   | 51.9   | 52.1   |
| G168.0 | 52.6 | 52.4  | 51.9  | 52.6  | 52.4  | 52.1   | 52.6   | 52.8   | 52.8   | 52.8   |
| G169.0 | 52.8 | 52.8  | 52.6  | 52.8  | 52.8  | 52.6   | 52.8   | 53.3   | 53.5   | 53.3   |
| G170.0 | 53.8 | 53.3  | 53.1  | 53.5  | 53.3  | 53.1   | 53.3   | 53.5   | 54.3   | 54.0   |
| G171.0 | 54.3 | 54.0  | 53.5  | 53.8  | 53.5  | 53.5   | 53.8   | 54.0   | 54.5   | 54.5   |
| G172.0 | 55.0 | 54.3  | 54.0  | 54.3  | 54.0  | 54.3   | 54.0   | 54.3   | 55.2   | 55.0   |
| G173.0 | 55.5 | 55.0  | 54.3  | 54.7  | 54.5  | 54.5   | 54.7   | 54.3   | 55.9   | 55.2   |
| G174.0 | 55.7 | 55.2  | 54.7  | 55.0  | 55.0  | 54.5   | 54.7   | 54.7   | 56.2   | 55.7   |
| G175.0 | 56.2 | 55.9  | 55.2  | 55.5  | 55.0  | 54.7   | 55.2   | 54.7   | 56.9   | 56.2   |
| G176.0 | 56.7 | 56.2  | 55.2  | 55.7  | 55.5  | 55.0   | 55.2   | 55.0   | 57.1   | 56.7   |
| G177.0 | 57.1 | 56.2  | 55.5  | 55.5  | 55.5  | 55.0   | 55.2   | 54.7   | 57.1   | 56.7   |
| G178.0 | 57.1 | 56.4  | 55.7  | 55.9  | 55.7  | 55.0   | 55.2   | 55.0   | 57.4   | 56.9   |
| G179.0 | 57.4 | 56.7  | 55.7  | 55.9  | 55.7  | 55.2   | 55.2   | 55.0   | 57.4   | 56.9   |
| G180.0 | 57.4 | 56.7  | 56.2  | 55.7  | 55.2  | 55.0   | 55.0   | 54.7   | 57.6   | 56.7   |
|        |      |       |       |       |       |        |        |        |        |        |
|        |      |       |       |       |       |        |        |        |        |        |
|        |      |       |       |       |       |        |        |        |        |        |
|        |      |       |       |       |       |        |        |        |        |        |

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 5)

Unit: cd

|       |        |        |        |        |        |        |        |  |  |  |
|-------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| G\C   | C225.0 | C247.5 | C270.0 | C292.5 | C315.0 | C337.5 | C360.0 |  |  |  |
| G0.0  | 7236.0 | 7193.6 | 7182.6 | 7161.9 | 7152.2 | 7152.2 | 7337.3 |  |  |  |
| G1.0  | 7230.7 | 7208.1 | 7186.2 | 7161.5 | 7157.4 | 7139.6 | 7332.1 |  |  |  |
| G2.0  | 7229.8 | 7211.2 | 7184.3 | 7163.4 | 7152.9 | 7142.9 | 7334.5 |  |  |  |
| G3.0  | 7231.0 | 7201.7 | 7186.0 | 7168.8 | 7160.3 | 7152.2 | 7333.8 |  |  |  |
| G4.0  | 7239.0 | 7194.1 | 7184.1 | 7166.2 | 7161.0 | 7148.1 | 7330.9 |  |  |  |
| G5.0  | 7225.5 | 7198.8 | 7170.7 | 7162.6 | 7159.1 | 7152.6 | 7323.8 |  |  |  |
| G6.0  | 7226.4 | 7194.8 | 7177.4 | 7160.7 | 7154.8 | 7150.0 | 7318.3 |  |  |  |
| G7.0  | 7227.4 | 7194.8 | 7180.7 | 7154.8 | 7144.3 | 7146.0 | 7316.2 |  |  |  |
| G8.0  | 7219.8 | 7193.6 | 7174.8 | 7163.1 | 7155.0 | 7139.6 | 7330.9 |  |  |  |
| G9.0  | 7221.0 | 7196.4 | 7172.6 | 7162.4 | 7153.8 | 7139.1 | 7312.6 |  |  |  |
| G10.0 | 7220.2 | 7199.8 | 7171.9 | 7161.9 | 7155.3 | 7134.8 | 7315.4 |  |  |  |
| G11.0 | 7222.6 | 7203.3 | 7173.6 | 7162.9 | 7150.3 | 7132.2 | 7309.0 |  |  |  |
| G12.0 | 7220.5 | 7197.6 | 7166.2 | 7164.1 | 7152.2 | 7136.7 | 7309.0 |  |  |  |
| G13.0 | 7229.0 | 7204.5 | 7182.9 | 7162.2 | 7150.3 | 7137.4 | 7316.6 |  |  |  |
| G14.0 | 7231.2 | 7202.1 | 7169.8 | 7164.1 | 7145.0 | 7137.4 | 7325.9 |  |  |  |
| G15.0 | 7225.2 | 7185.0 | 7186.9 | 7160.7 | 7151.5 | 7140.3 | 7323.3 |  |  |  |
| G16.0 | 7216.0 | 7198.3 | 7165.5 | 7160.7 | 7154.3 | 7138.1 | 7327.1 |  |  |  |
| G17.0 | 7206.0 | 7185.7 | 7178.4 | 7169.3 | 7159.1 | 7151.5 | 7330.2 |  |  |  |
| G18.0 | 7191.2 | 7177.6 | 7169.8 | 7151.2 | 7150.5 | 7152.4 | 7312.4 |  |  |  |
| G19.0 | 7174.8 | 7164.1 | 7165.0 | 7146.5 | 7146.0 | 7142.4 | 7316.4 |  |  |  |
| G20.0 | 7159.1 | 7141.9 | 7139.3 | 7130.5 | 7139.6 | 7139.3 | 7319.0 |  |  |  |
| G21.0 | 7126.9 | 7117.9 | 7120.8 | 7114.1 | 7118.4 | 7128.1 | 7310.0 |  |  |  |
| G22.0 | 7074.3 | 7084.1 | 7098.9 | 7103.6 | 7108.6 | 7113.6 | 7296.2 |  |  |  |
| G23.0 | 7040.5 | 7042.5 | 7061.5 | 7068.6 | 7081.5 | 7081.5 | 7269.5 |  |  |  |
| G24.0 | 6980.1 | 6997.5 | 7017.0 | 7028.9 | 7050.8 | 7055.5 | 7242.6 |  |  |  |
| G25.0 | 6925.1 | 6951.0 | 6969.4 | 6988.4 | 7008.6 | 7019.1 | 7208.3 |  |  |  |
| G26.0 | 6855.6 | 6881.5 | 6923.2 | 6930.6 | 6958.4 | 6981.3 | 7168.8 |  |  |  |
| G27.0 | 6774.7 | 6814.2 | 6853.5 | 6870.6 | 6897.3 | 6921.1 | 7121.2 |  |  |  |
| G28.0 | 6689.5 | 6737.6 | 6766.8 | 6803.7 | 6833.7 | 6852.3 | 7065.8 |  |  |  |
| G29.0 | 6590.0 | 6637.1 | 6690.9 | 6729.7 | 6765.6 | 6790.6 | 6993.2 |  |  |  |
| G30.0 | 6474.8 | 6535.5 | 6596.9 | 6641.9 | 6684.5 | 6707.8 | 6931.3 |  |  |  |
| G31.0 | 6361.7 | 6420.0 | 6492.2 | 6547.1 | 6600.7 | 6616.9 | 6849.0 |  |  |  |
| G32.0 | 6216.1 | 6287.5 | 6365.3 | 6424.1 | 6480.5 | 6515.3 | 6745.6 |  |  |  |
| G33.0 | 6049.7 | 6137.3 | 6231.1 | 6303.0 | 6368.9 | 6395.8 | 6655.5 |  |  |  |
| G34.0 | 5866.7 | 5971.2 | 6074.2 | 6163.0 | 6239.9 | 6268.4 | 6537.6 |  |  |  |
| G35.0 | 5666.3 | 5782.7 | 5910.0 | 5996.9 | 6087.6 | 6126.6 | 6409.3 |  |  |  |
| G36.0 | 5443.5 | 5577.0 | 5702.0 | 5819.1 | 5910.7 | 5972.1 | 6264.6 |  |  |  |

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 | 5200.3 | 5329.3 | 5485.4 | 5610.4 | 5726.7 | 5793.1 | 6087.1 |  |  |  |
| G38.0 | 4941.5 | 5082.4 | 5252.9 | 5389.7 | 5504.0 | 5590.4 | 5898.3 |  |  |  |
| G39.0 | 4690.0 | 4822.1 | 5008.0 | 5136.2 | 5275.5 | 5348.1 | 5689.4 |  |  |  |
| G40.0 | 4436.5 | 4566.9 | 4736.4 | 4900.1 | 5036.8 | 5114.1 | 5442.5 |  |  |  |
| G41.0 | 4195.1 | 4310.1 | 4487.0 | 4662.6 | 4786.8 | 4867.0 | 5198.6 |  |  |  |
| G42.0 | 3950.2 | 4049.7 | 4242.0 | 4421.0 | 4546.2 | 4615.2 | 4926.3 |  |  |  |
| G43.0 | 3719.1 | 3800.5 | 3996.4 | 4172.5 | 4294.2 | 4358.9 | 4656.2 |  |  |  |
| G44.0 | 3497.1 | 3576.3 | 3779.6 | 3943.8 | 4065.4 | 4115.2 | 4407.5 |  |  |  |
| G45.0 | 3272.6 | 3361.9 | 3548.5 | 3720.6 | 3834.1 | 3883.4 | 4164.7 |  |  |  |
| G46.0 | 3038.9 | 3149.1 | 3321.4 | 3495.4 | 3618.2 | 3656.1 | 3926.0 |  |  |  |
| G47.0 | 2827.6 | 2947.7 | 3101.7 | 3280.5 | 3391.9 | 3449.0 | 3695.3 |  |  |  |
| G48.0 | 2610.2 | 2724.3 | 2874.9 | 3049.9 | 3173.6 | 3236.2 | 3459.5 |  |  |  |
| G49.0 | 2408.4 | 2523.1 | 2662.1 | 2836.4 | 2935.1 | 3027.2 | 3236.7 |  |  |  |
| G50.0 | 2212.8 | 2335.8 | 2464.1 | 2619.3 | 2718.5 | 2808.5 | 3016.5 |  |  |  |
| G51.0 | 2040.0 | 2152.3 | 2265.4 | 2422.9 | 2511.7 | 2611.9 | 2801.1 |  |  |  |
| G52.0 | 1871.7 | 1980.9 | 2083.5 | 2235.4 | 2312.5 | 2413.6 | 2592.9 |  |  |  |
| G53.0 | 1724.6 | 1829.3 | 1919.5 | 2067.8 | 2121.1 | 2230.6 | 2391.5 |  |  |  |
| G54.0 | 1580.9 | 1690.1 | 1768.4 | 1900.3 | 1955.2 | 2060.2 | 2209.4 |  |  |  |
| G55.0 | 1454.9 | 1554.2 | 1621.1 | 1755.3 | 1804.6 | 1892.4 | 2035.2 |  |  |  |
| G56.0 | 1335.2 | 1432.6 | 1495.2 | 1619.2 | 1662.3 | 1738.4 | 1872.2 |  |  |  |
| G57.0 | 1232.2 | 1323.8 | 1373.3 | 1495.4 | 1535.6 | 1607.3 | 1719.4 |  |  |  |
| G58.0 | 1130.1 | 1214.6 | 1266.0 | 1373.1 | 1412.6 | 1479.5 | 1587.0 |  |  |  |
| G59.0 | 1041.1 | 1118.6 | 1164.8 | 1266.9 | 1298.8 | 1365.9 | 1457.3 |  |  |  |
| G60.0 | 958.2  | 1030.6 | 1075.1 | 1168.6 | 1200.5 | 1260.7 | 1340.7 |  |  |  |
| G61.0 | 879.0  | 947.3  | 988.5  | 1075.1 | 1106.5 | 1158.4 | 1233.1 |  |  |  |
| G62.0 | 805.4  | 868.5  | 910.2  | 989.9  | 1022.5 | 1067.7 | 1129.3 |  |  |  |
| G63.0 | 741.4  | 798.3  | 838.5  | 912.0  | 943.0  | 983.7  | 1037.5 |  |  |  |
| G64.0 | 679.3  | 733.1  | 771.9  | 838.5  | 864.9  | 903.7  | 954.7  |  |  |  |
| G65.0 | 621.9  | 669.0  | 708.3  | 768.1  | 798.5  | 833.0  | 876.6  |  |  |  |
| G66.0 | 566.0  | 611.5  | 651.4  | 704.3  | 735.0  | 763.3  | 803.5  |  |  |  |
| G67.0 | 517.4  | 560.3  | 595.0  | 647.4  | 677.1  | 701.4  | 740.2  |  |  |  |
| G68.0 | 468.9  | 507.7  | 545.3  | 591.7  | 619.5  | 642.9  | 675.7  |  |  |  |
| G69.0 | 426.5  | 462.2  | 495.8  | 539.3  | 568.1  | 588.6  | 616.9  |  |  |  |
| G70.0 | 388.4  | 420.6  | 452.9  | 492.7  | 517.2  | 536.0  | 563.8  |  |  |  |
| G71.0 | 351.8  | 381.5  | 411.0  | 447.2  | 472.9  | 488.9  | 510.8  |  |  |  |
| G72.0 | 317.3  | 345.1  | 372.7  | 407.0  | 430.8  | 443.9  | 464.6  |  |  |  |
| G73.0 | 286.8  | 312.3  | 337.7  | 370.3  | 393.0  | 403.9  | 420.8  |  |  |  |

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 7)

Unit: cd

| G\C    | C225.0 | C247.5 | C270.0 | C292.5 | C315.0 | C337.5 | C360.0 |  |  |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| G74.0  | 257.0  | 282.3  | 306.6  | 335.8  | 356.1  | 365.6  | 379.9  |  |  |  |
| G75.0  | 232.1  | 252.5  | 275.6  | 301.6  | 323.7  | 331.1  | 342.7  |  |  |  |
| G76.0  | 205.6  | 226.4  | 248.5  | 273.0  | 292.0  | 299.6  | 309.4  |  |  |  |
| G77.0  | 181.4  | 200.6  | 221.4  | 243.7  | 264.4  | 269.0  | 278.5  |  |  |  |
| G78.0  | 156.1  | 175.4  | 194.7  | 216.8  | 235.9  | 240.1  | 247.5  |  |  |  |
| G79.0  | 134.2  | 150.2  | 169.7  | 191.6  | 209.9  | 213.3  | 219.4  |  |  |  |
| G80.0  | 112.8  | 126.6  | 144.9  | 166.4  | 182.1  | 186.6  | 192.3  |  |  |  |
| G81.0  | 92.8   | 102.6  | 121.6  | 140.7  | 155.4  | 160.2  | 167.3  |  |  |  |
| G82.0  | 70.2   | 79.5   | 100.0  | 117.8  | 131.1  | 132.8  | 143.0  |  |  |  |
| G83.0  | 50.2   | 57.4   | 81.2   | 95.4   | 105.4  | 107.8  | 121.4  |  |  |  |
| G84.0  | 32.1   | 38.6   | 63.3   | 74.0   | 77.8   | 81.4   | 100.2  |  |  |  |
| G85.0  | 18.6   | 23.8   | 45.2   | 51.4   | 55.9   | 59.7   | 81.4   |  |  |  |
| G86.0  | 7.8    | 13.8   | 28.8   | 32.4   | 39.3   | 41.2   | 64.5   |  |  |  |
| G87.0  | 3.6    | 5.7    | 11.7   | 17.4   | 27.4   | 26.9   | 45.9   |  |  |  |
| G88.0  | 1.4    | 2.9    | 2.9    | 7.8    | 15.9   | 15.7   | 28.3   |  |  |  |
| G89.0  | 2.1    | 2.1    | 1.9    | 3.6    | 7.4    | 7.8    | 14.0   |  |  |  |
| G90.0  | 1.9    | 2.1    | 1.7    | 1.7    | 3.6    | 3.3    | 4.1    |  |  |  |
| G91.0  | 2.1    | 2.4    | 1.9    | 1.9    | 1.7    | 1.7    | 2.4    |  |  |  |
| G92.0  | 2.4    | 2.6    | 1.9    | 1.9    | 2.1    | 1.9    | 2.4    |  |  |  |
| G93.0  | 2.4    | 2.6    | 2.1    | 1.9    | 2.1    | 1.9    | 2.6    |  |  |  |
| G94.0  | 2.6    | 2.9    | 2.4    | 2.4    | 2.4    | 2.1    | 2.6    |  |  |  |
| G95.0  | 2.9    | 2.9    | 2.6    | 2.4    | 2.6    | 2.1    | 2.9    |  |  |  |
| G96.0  | 3.1    | 3.1    | 2.6    | 2.4    | 2.9    | 2.4    | 3.1    |  |  |  |
| G97.0  | 3.6    | 3.3    | 3.1    | 2.9    | 3.1    | 2.6    | 3.3    |  |  |  |
| G98.0  | 3.6    | 3.6    | 2.9    | 3.1    | 2.9    | 2.9    | 4.1    |  |  |  |
| G99.0  | 4.1    | 3.8    | 3.3    | 3.3    | 3.3    | 2.9    | 4.3    |  |  |  |
| G100.0 | 4.5    | 4.3    | 3.6    | 3.6    | 3.3    | 3.3    | 4.8    |  |  |  |
| G101.0 | 4.8    | 4.5    | 4.3    | 3.8    | 3.8    | 3.6    | 5.0    |  |  |  |
| G102.0 | 5.0    | 4.8    | 4.5    | 4.1    | 4.3    | 3.6    | 5.0    |  |  |  |
| G103.0 | 5.5    | 5.0    | 4.8    | 4.3    | 4.5    | 4.3    | 5.7    |  |  |  |
| G104.0 | 5.7    | 5.5    | 4.8    | 4.8    | 5.0    | 4.3    | 6.2    |  |  |  |
| G105.0 | 6.2    | 5.7    | 5.2    | 5.0    | 5.2    | 4.8    | 6.4    |  |  |  |
| G106.0 | 6.7    | 6.7    | 5.5    | 5.5    | 5.5    | 5.2    | 7.1    |  |  |  |
| G107.0 | 7.1    | 6.9    | 5.9    | 5.7    | 5.9    | 5.5    | 7.4    |  |  |  |
| G108.0 | 7.8    | 7.4    | 6.7    | 6.2    | 6.2    | 5.9    | 8.1    |  |  |  |
| G109.0 | 8.1    | 7.6    | 7.1    | 6.7    | 6.9    | 6.4    | 8.6    |  |  |  |
| G110.0 | 8.6    | 8.6    | 7.6    | 7.1    | 7.4    | 6.7    | 9.0    |  |  |  |

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 8)

Unit: cd

| G\C    | C225.0 | C247.5 | C270.0 | C292.5 | C315.0 | C337.5 | C360.0 |  |  |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| G111.0 | 9.0    | 9.3    | 8.1    | 7.8    | 7.8    | 7.4    | 10.0   |  |  |  |
| G112.0 | 10.0   | 9.5    | 8.6    | 8.3    | 8.3    | 7.8    | 10.7   |  |  |  |
| G113.0 | 10.2   | 10.2   | 9.0    | 8.8    | 8.8    | 8.3    | 11.2   |  |  |  |
| G114.0 | 10.7   | 10.5   | 9.8    | 9.5    | 9.5    | 9.0    | 11.9   |  |  |  |
| G115.0 | 11.9   | 11.2   | 10.5   | 10.0   | 10.2   | 9.5    | 12.6   |  |  |  |
| G116.0 | 12.4   | 11.7   | 10.9   | 10.5   | 10.7   | 10.0   | 13.3   |  |  |  |
| G117.0 | 12.9   | 12.4   | 11.7   | 11.2   | 11.2   | 10.9   | 14.3   |  |  |  |
| G118.0 | 13.3   | 13.1   | 12.1   | 11.7   | 11.7   | 11.7   | 15.0   |  |  |  |
| G119.0 | 14.0   | 13.8   | 12.9   | 12.4   | 12.4   | 11.9   | 15.7   |  |  |  |
| G120.0 | 14.8   | 14.8   | 13.3   | 13.1   | 12.9   | 12.4   | 16.7   |  |  |  |
| G121.0 | 15.7   | 15.2   | 14.3   | 13.8   | 13.6   | 13.1   | 17.4   |  |  |  |
| G122.0 | 16.2   | 15.7   | 14.8   | 14.5   | 14.0   | 13.8   | 18.1   |  |  |  |
| G123.0 | 17.1   | 16.4   | 15.5   | 15.2   | 14.8   | 14.5   | 19.0   |  |  |  |
| G124.0 | 17.4   | 17.4   | 16.7   | 15.7   | 15.7   | 15.0   | 20.0   |  |  |  |
| G125.0 | 18.3   | 18.1   | 17.4   | 16.4   | 15.9   | 15.7   | 20.7   |  |  |  |
| G126.0 | 19.3   | 18.8   | 18.1   | 17.1   | 16.9   | 16.4   | 21.7   |  |  |  |
| G127.0 | 20.0   | 19.5   | 18.6   | 18.1   | 17.4   | 17.4   | 22.6   |  |  |  |
| G128.0 | 20.7   | 20.2   | 19.3   | 19.0   | 18.3   | 17.9   | 23.3   |  |  |  |
| G129.0 | 21.4   | 21.2   | 20.5   | 19.5   | 18.8   | 18.8   | 24.3   |  |  |  |
| G130.0 | 22.4   | 21.9   | 21.2   | 19.8   | 19.8   | 19.3   | 25.0   |  |  |  |
| G131.0 | 23.1   | 22.6   | 21.9   | 20.7   | 20.5   | 20.2   | 25.9   |  |  |  |
| G132.0 | 23.8   | 23.3   | 22.6   | 21.7   | 21.2   | 20.7   | 26.9   |  |  |  |
| G133.0 | 24.5   | 24.3   | 23.1   | 22.6   | 22.1   | 21.7   | 27.9   |  |  |  |
| G134.0 | 25.5   | 24.8   | 24.3   | 23.1   | 22.4   | 22.6   | 28.6   |  |  |  |
| G135.0 | 26.2   | 25.7   | 25.0   | 24.0   | 23.6   | 23.1   | 29.3   |  |  |  |
| G136.0 | 26.9   | 26.7   | 25.7   | 25.0   | 24.5   | 24.0   | 30.0   |  |  |  |
| G137.0 | 27.6   | 27.4   | 26.4   | 25.5   | 25.2   | 24.8   | 30.7   |  |  |  |
| G138.0 | 28.3   | 27.9   | 27.4   | 26.2   | 25.9   | 25.5   | 31.4   |  |  |  |
| G139.0 | 29.0   | 28.8   | 27.9   | 27.1   | 26.4   | 26.2   | 32.4   |  |  |  |
| G140.0 | 30.0   | 29.5   | 28.8   | 27.9   | 27.4   | 26.9   | 33.3   |  |  |  |
| G141.0 | 30.7   | 30.2   | 29.3   | 28.3   | 28.1   | 27.6   | 33.8   |  |  |  |
| G142.0 | 31.2   | 31.2   | 30.0   | 29.3   | 28.8   | 28.3   | 34.8   |  |  |  |
| G143.0 | 32.1   | 31.9   | 30.7   | 29.8   | 29.3   | 29.3   | 35.5   |  |  |  |
| G144.0 | 32.8   | 32.4   | 31.4   | 30.5   | 30.2   | 30.0   | 36.2   |  |  |  |
| G145.0 | 33.6   | 33.3   | 32.4   | 31.7   | 30.9   | 30.7   | 36.7   |  |  |  |
| G146.0 | 34.3   | 34.0   | 32.8   | 32.1   | 31.7   | 31.4   | 37.1   |  |  |  |
| G147.0 | 35.0   | 34.5   | 33.8   | 33.1   | 32.1   | 32.1   | 38.1   |  |  |  |

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 9)

Unit: cd

| G\C    | C225.0 | C247.5 | C270.0 | C292.5 | C315.0 | C337.5 | C360.0 |  |  |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| G148.0 | 36.2   | 35.5   | 34.5   | 34.0   | 33.1   | 32.8   | 38.8   |  |  |  |
| G149.0 | 36.7   | 36.2   | 35.2   | 34.3   | 34.0   | 33.6   | 39.5   |  |  |  |
| G150.0 | 37.6   | 36.9   | 35.9   | 35.2   | 34.8   | 34.3   | 40.5   |  |  |  |
| G151.0 | 38.3   | 37.8   | 36.7   | 36.2   | 35.5   | 35.0   | 40.7   |  |  |  |
| G152.0 | 39.3   | 38.3   | 37.6   | 36.7   | 36.4   | 35.9   | 41.4   |  |  |  |
| G153.0 | 39.8   | 39.3   | 38.3   | 37.6   | 37.1   | 36.7   | 42.6   |  |  |  |
| G154.0 | 40.7   | 40.2   | 39.3   | 38.3   | 37.8   | 37.1   | 42.8   |  |  |  |
| G155.0 | 41.4   | 40.9   | 40.0   | 39.3   | 38.8   | 38.3   | 43.6   |  |  |  |
| G156.0 | 42.1   | 41.7   | 40.9   | 40.0   | 39.5   | 39.0   | 44.5   |  |  |  |
| G157.0 | 43.3   | 42.6   | 41.7   | 40.9   | 40.5   | 39.8   | 45.2   |  |  |  |
| G158.0 | 43.8   | 43.1   | 42.6   | 41.9   | 41.2   | 40.7   | 45.7   |  |  |  |
| G159.0 | 44.5   | 44.3   | 43.3   | 42.6   | 41.9   | 41.7   | 46.4   |  |  |  |
| G160.0 | 45.7   | 44.8   | 44.0   | 43.3   | 42.8   | 42.4   | 47.1   |  |  |  |
| G161.0 | 46.2   | 45.7   | 45.0   | 44.3   | 43.3   | 43.1   | 47.8   |  |  |  |
| G162.0 | 46.9   | 46.2   | 45.7   | 45.0   | 44.3   | 44.0   | 48.8   |  |  |  |
| G163.0 | 47.6   | 47.4   | 46.7   | 46.2   | 45.2   | 44.8   | 49.5   |  |  |  |
| G164.0 | 48.5   | 48.1   | 47.6   | 46.7   | 46.2   | 45.5   | 50.0   |  |  |  |
| G165.0 | 49.5   | 48.8   | 48.1   | 47.4   | 46.9   | 46.2   | 50.7   |  |  |  |
| G166.0 | 50.2   | 49.7   | 48.8   | 48.1   | 47.6   | 46.9   | 51.2   |  |  |  |
| G167.0 | 50.7   | 50.2   | 49.5   | 49.0   | 48.5   | 47.8   | 51.9   |  |  |  |
| G168.0 | 51.4   | 50.9   | 50.2   | 50.0   | 49.3   | 48.3   | 52.6   |  |  |  |
| G169.0 | 52.1   | 51.7   | 51.2   | 50.2   | 50.0   | 49.5   | 52.8   |  |  |  |
| G170.0 | 52.8   | 52.4   | 51.7   | 50.9   | 50.5   | 50.0   | 53.8   |  |  |  |
| G171.0 | 53.5   | 52.8   | 52.4   | 51.7   | 51.2   | 50.9   | 54.3   |  |  |  |
| G172.0 | 53.8   | 53.8   | 53.1   | 52.1   | 52.1   | 51.2   | 55.0   |  |  |  |
| G173.0 | 54.3   | 53.8   | 53.5   | 52.8   | 52.6   | 52.1   | 55.5   |  |  |  |
| G174.0 | 55.0   | 54.5   | 54.0   | 53.3   | 52.8   | 52.8   | 55.7   |  |  |  |
| G175.0 | 55.5   | 55.0   | 54.5   | 54.0   | 53.5   | 53.3   | 56.2   |  |  |  |
| G176.0 | 55.7   | 55.2   | 54.7   | 54.3   | 53.8   | 53.5   | 56.7   |  |  |  |
| G177.0 | 55.7   | 55.5   | 55.2   | 54.3   | 54.3   | 54.0   | 57.1   |  |  |  |
| G178.0 | 55.9   | 55.9   | 55.2   | 54.7   | 54.7   | 54.3   | 57.1   |  |  |  |
| G179.0 | 56.2   | 55.9   | 55.7   | 55.0   | 55.0   | 54.5   | 57.4   |  |  |  |
| G180.0 | 55.9   | 55.9   | 55.7   | 55.2   | 55.0   | 54.7   | 57.4   |  |  |  |
|        |        |        |        |        |        |        |        |  |  |  |
|        |        |        |        |        |        |        |        |  |  |  |
|        |        |        |        |        |        |        |        |  |  |  |
|        |        |        |        |        |        |        |        |  |  |  |

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: