

Report No.:

Test Time: 2023/12/9 星期六 04:28

## Luminaire Property

Luminaire Manufacturer:

Voltage: 120.5 V

Power: 20.54 W

Current: 0.173 A

Power Factor: 0.987

## Photometric Results

IES Classification: Type III

Total Rated Lamp Lumens: 2726.6 lm

Efficiency: 100%

Upward Ratio: 7%

Central Intensity: 560.6 cd

Pos of Max. Intensity: H90 V38

Longitudinal Classification: Very Short

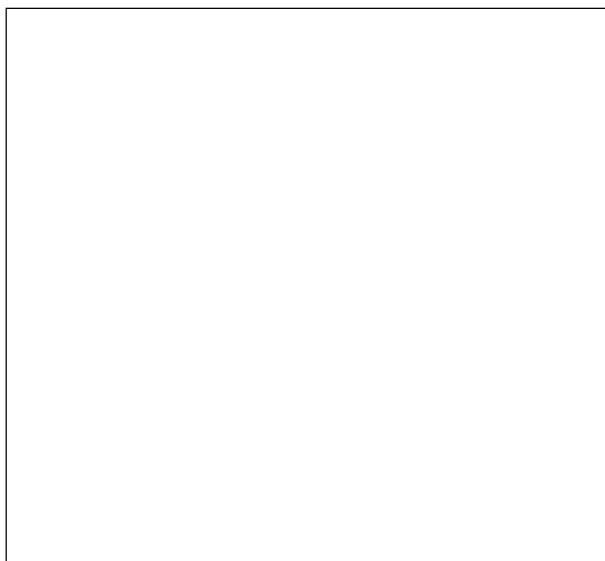
Measurement Flux: 2726.6 lm

Downward Ratio: 93%

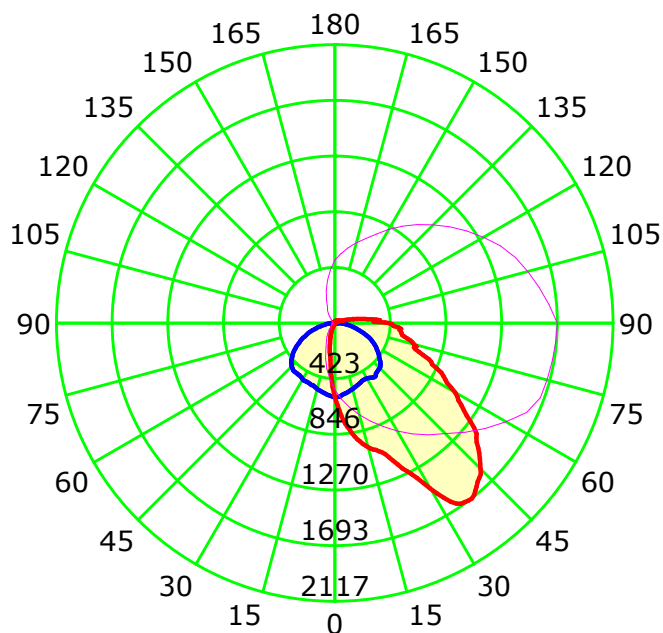
Luminaire Efficacy Rating (LER): 132.79

Max. Intensity: 1693.68 cd

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 103.0°

— C0-C180 — C90-C270 — G38

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

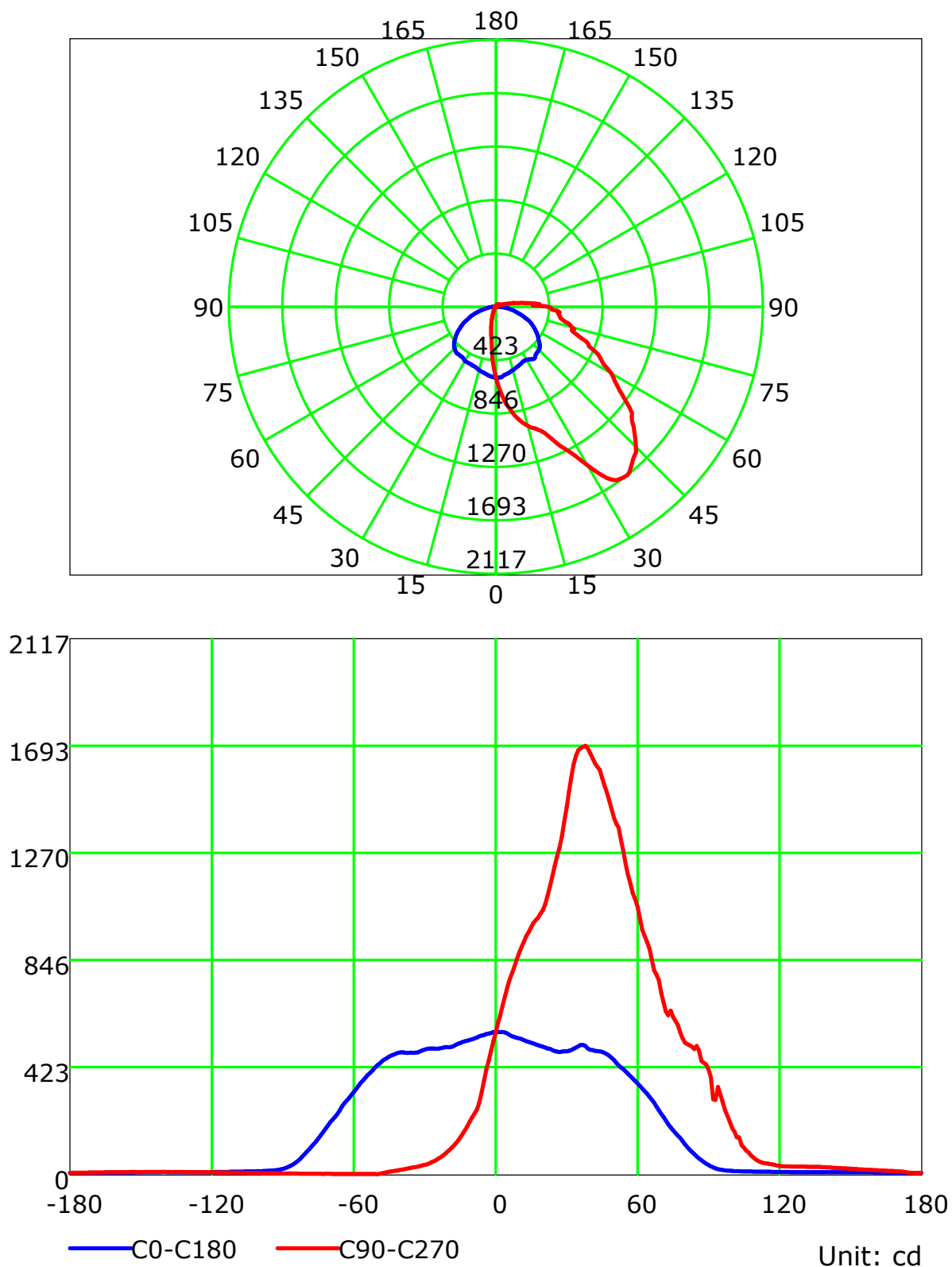
Test Device: GPM-1800B

Distance: 8.190 m

Humidity:

Inspector:

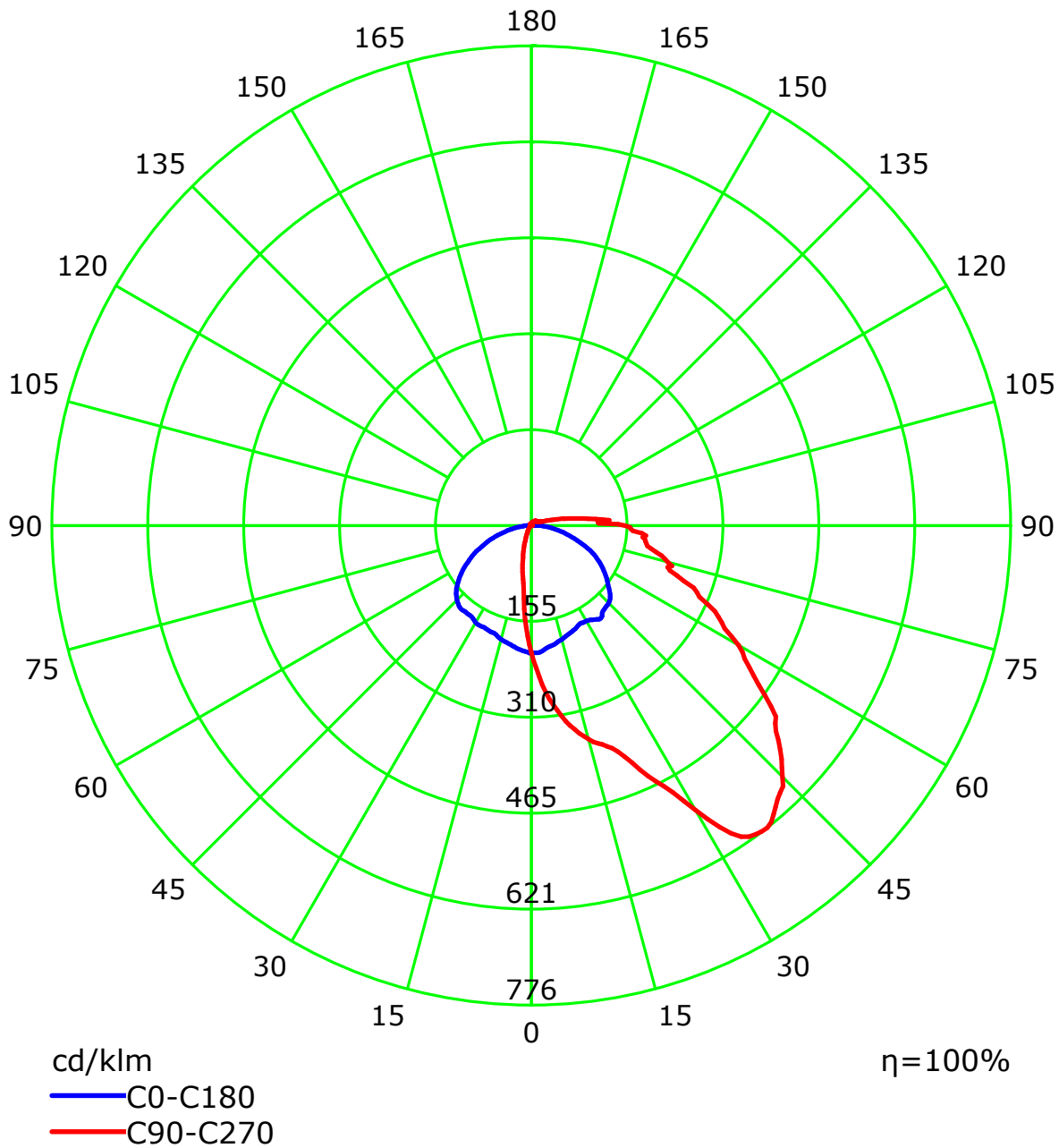
## Luminous Intensity Distribution Curve



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:

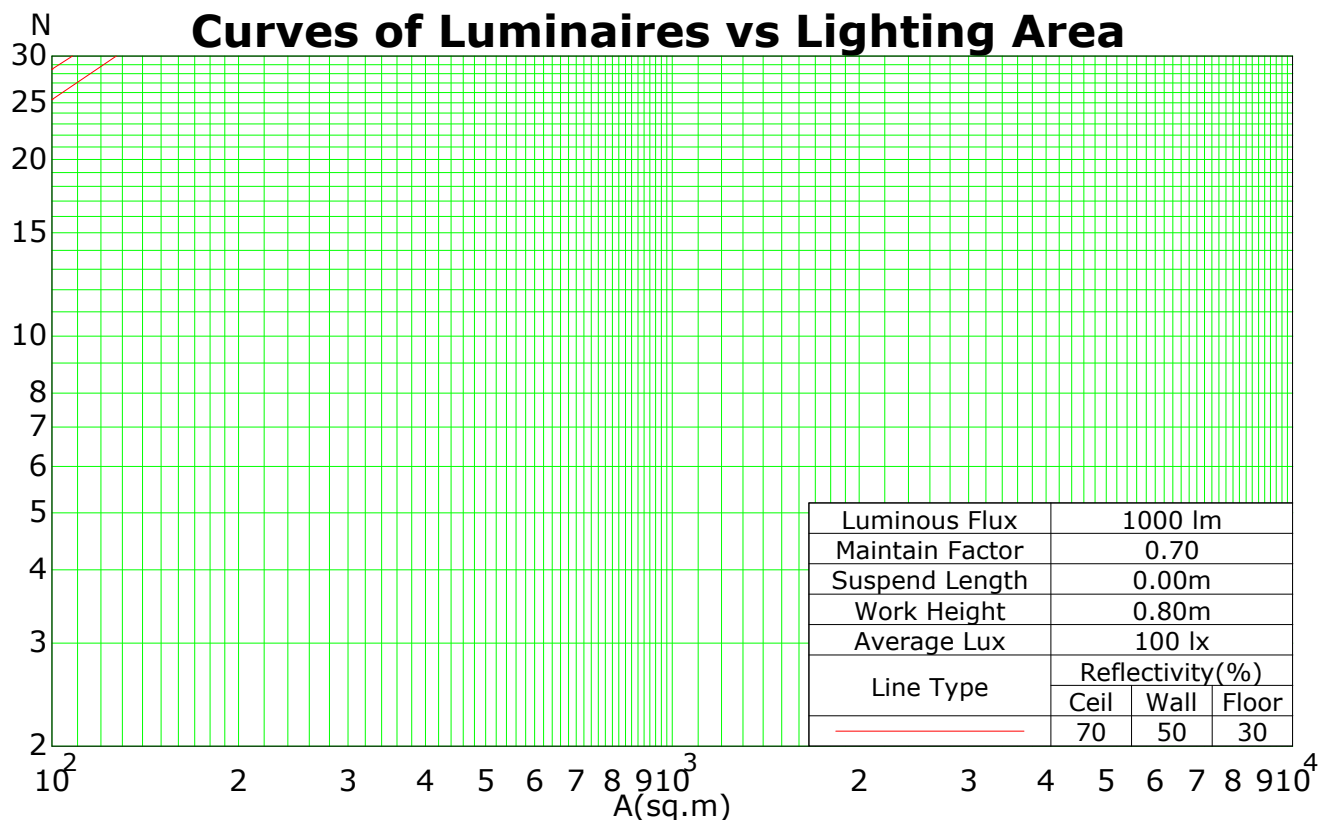
## Coefficients Of Utilization - Zonal Cavity Method

|     |          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|-----|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| 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   | 117      | 117 | 117 | 117 | 114 | 114 | 114 | 114 | 107 | 107 | 107 | 101 | 101 | 101 | 96  | 96  | 96  | 93 |
| 1   | 105      | 99  | 93  | 89  | 101 | 96  | 91  | 87  | 90  | 86  | 83  | 85  | 82  | 79  | 80  | 78  | 75  | 73 |
| 2   | 94       | 84  | 76  | 70  | 90  | 82  | 74  | 68  | 77  | 71  | 66  | 73  | 68  | 63  | 68  | 64  | 61  | 58 |
| 3   | 85       | 73  | 64  | 56  | 81  | 71  | 62  | 55  | 67  | 59  | 53  | 63  | 57  | 52  | 59  | 54  | 50  | 47 |
| 4   | 77       | 64  | 54  | 46  | 74  | 62  | 53  | 46  | 58  | 50  | 44  | 55  | 48  | 43  | 52  | 46  | 42  | 39 |
| 5   | 70       | 56  | 46  | 39  | 67  | 55  | 45  | 39  | 52  | 44  | 37  | 49  | 42  | 36  | 46  | 40  | 35  | 33 |
| 6   | 64       | 50  | 40  | 33  | 62  | 49  | 40  | 33  | 46  | 38  | 32  | 44  | 37  | 31  | 41  | 35  | 30  | 28 |
| 7   | 59       | 45  | 35  | 29  | 57  | 44  | 35  | 29  | 41  | 34  | 28  | 39  | 32  | 27  | 37  | 31  | 26  | 24 |
| 8   | 55       | 41  | 32  | 25  | 53  | 40  | 31  | 25  | 38  | 30  | 24  | 36  | 29  | 24  | 34  | 28  | 23  | 21 |
| 9   | 51       | 37  | 28  | 22  | 49  | 36  | 28  | 22  | 34  | 27  | 22  | 33  | 26  | 21  | 31  | 25  | 21  | 19 |
| 10  | 48       | 34  | 26  | 20  | 46  | 33  | 25  | 20  | 32  | 24  | 19  | 30  | 24  | 19  | 29  | 23  | 19  | 17 |

Spacing Criteria (0-180): 1.35

Spacing Criteria (90-270): 2.00

Spacing Criteria (Diagonal): 1.72



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

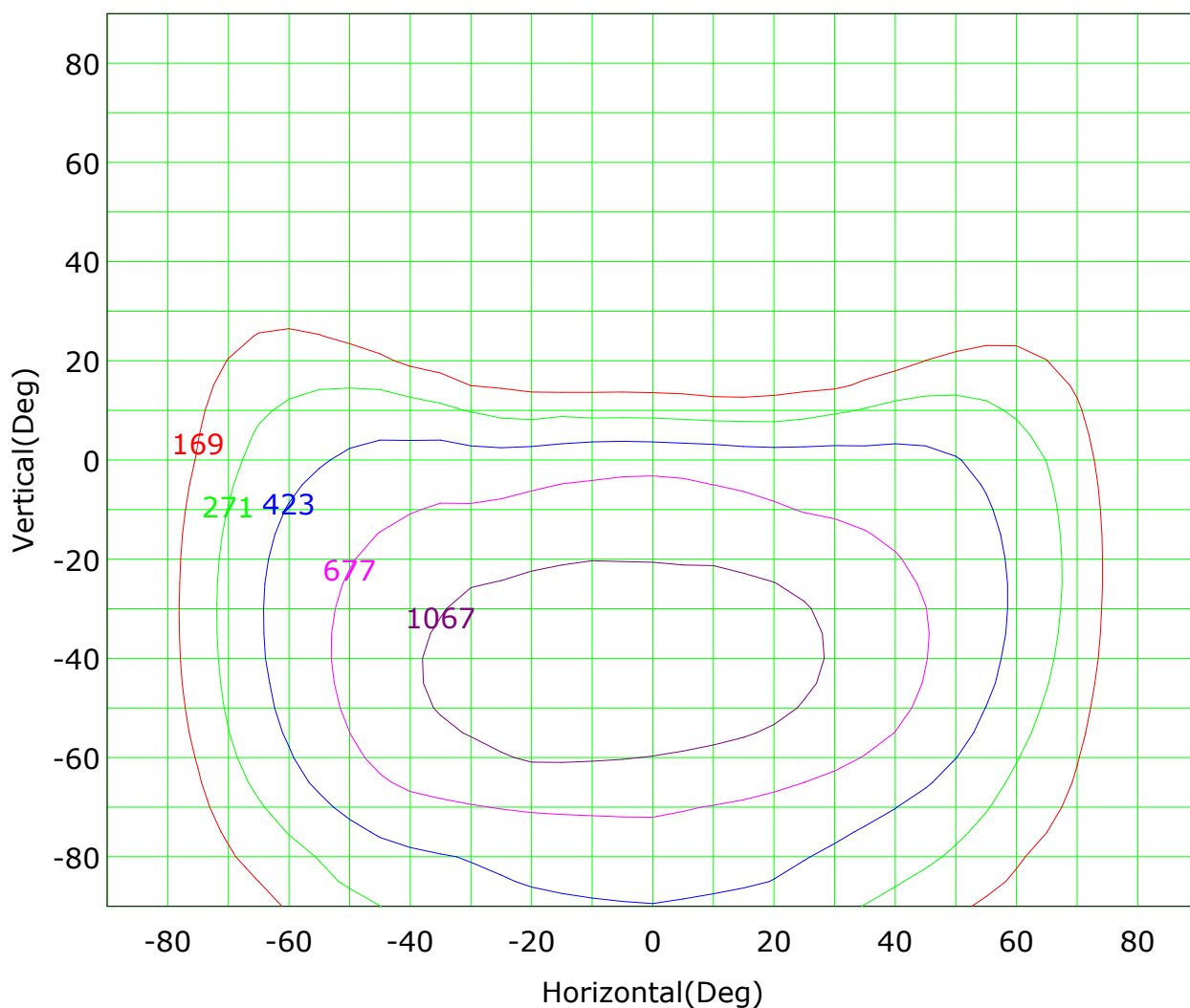
Test Device: GPM-1800B

Distance: 8.190 m

Humidity:

Inspector:

## Isocandela (rectangle)



Imax (100%): 1694 cd

|                 |                 |
|-----------------|-----------------|
| ( 10%): 169 cd  | ( 16%): 271 cd  |
| ( 25%): 423 cd  | ( 40%): 677 cd  |
| ( 63%): 1067 cd | (100%): 1694 cd |

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

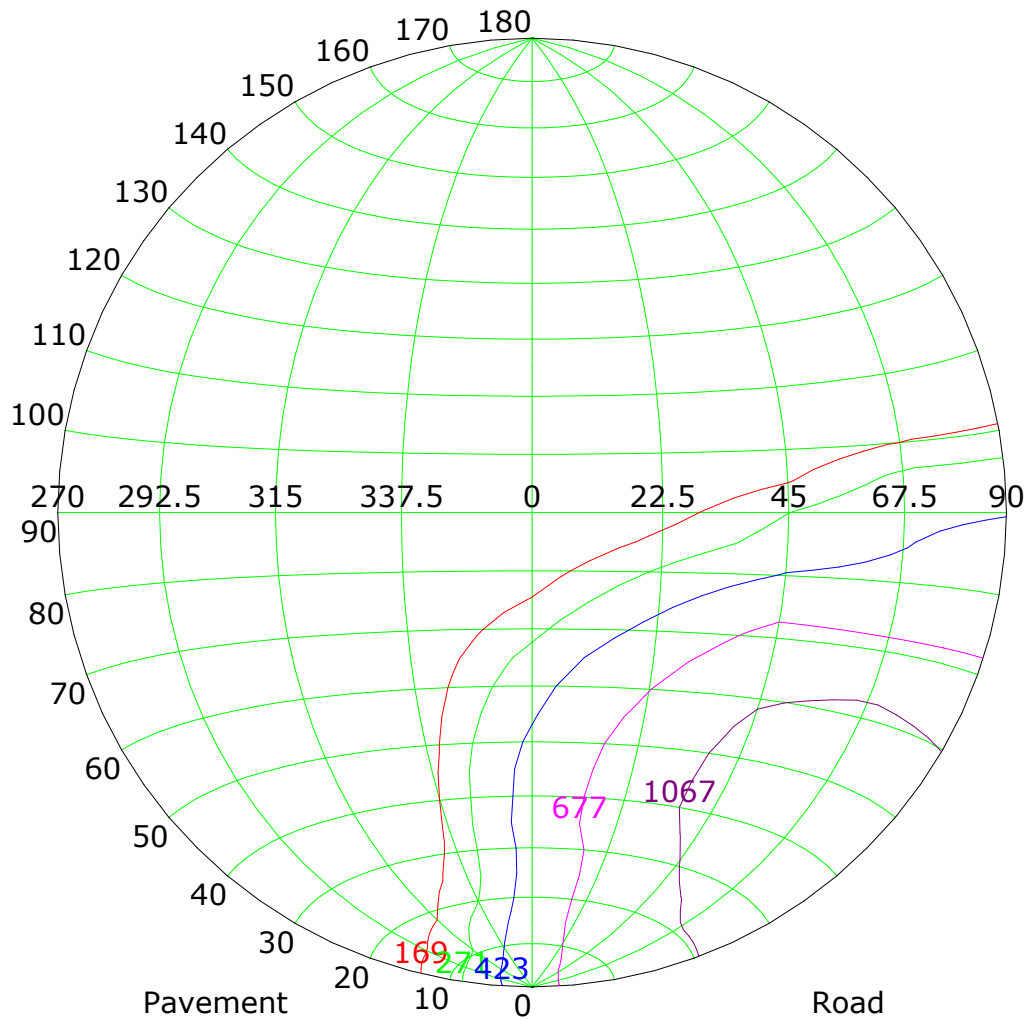
Test Device: GPM-1800B

Distance: 8.190 m

Humidity:

Inspector:

## Isocandela (sphere)



Imax (100%): 1694 cd

|                 |                 |
|-----------------|-----------------|
| ( 10%): 169 cd  | ( 16%): 271 cd  |
| ( 25%): 423 cd  | ( 40%): 677 cd  |
| ( 63%): 1067 cd | (100%): 1694 cd |

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

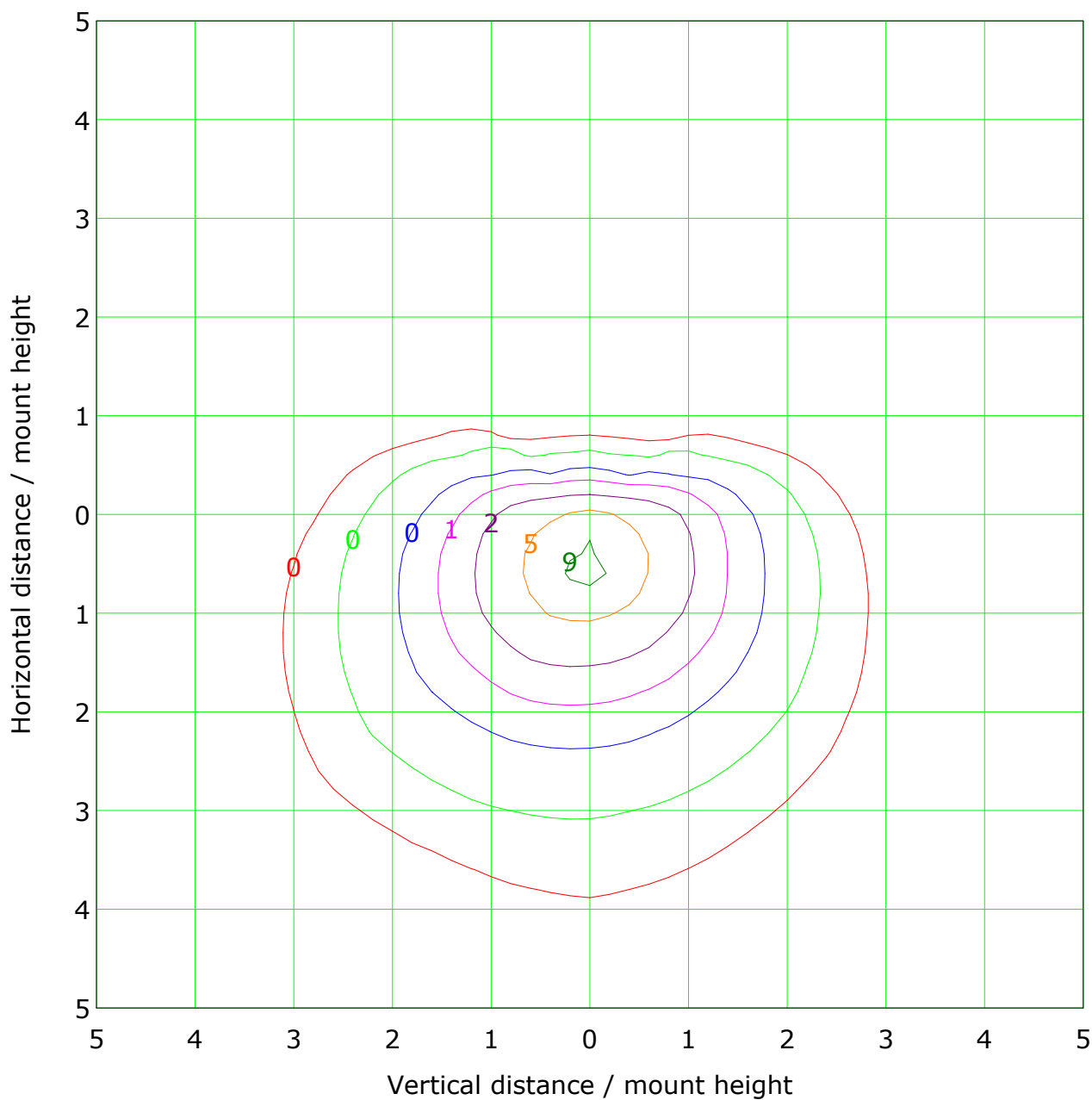
Test Device: GPM-1800B

Distance: 8.190 m

Humidity:

Inspector:

## IsoLux Plot



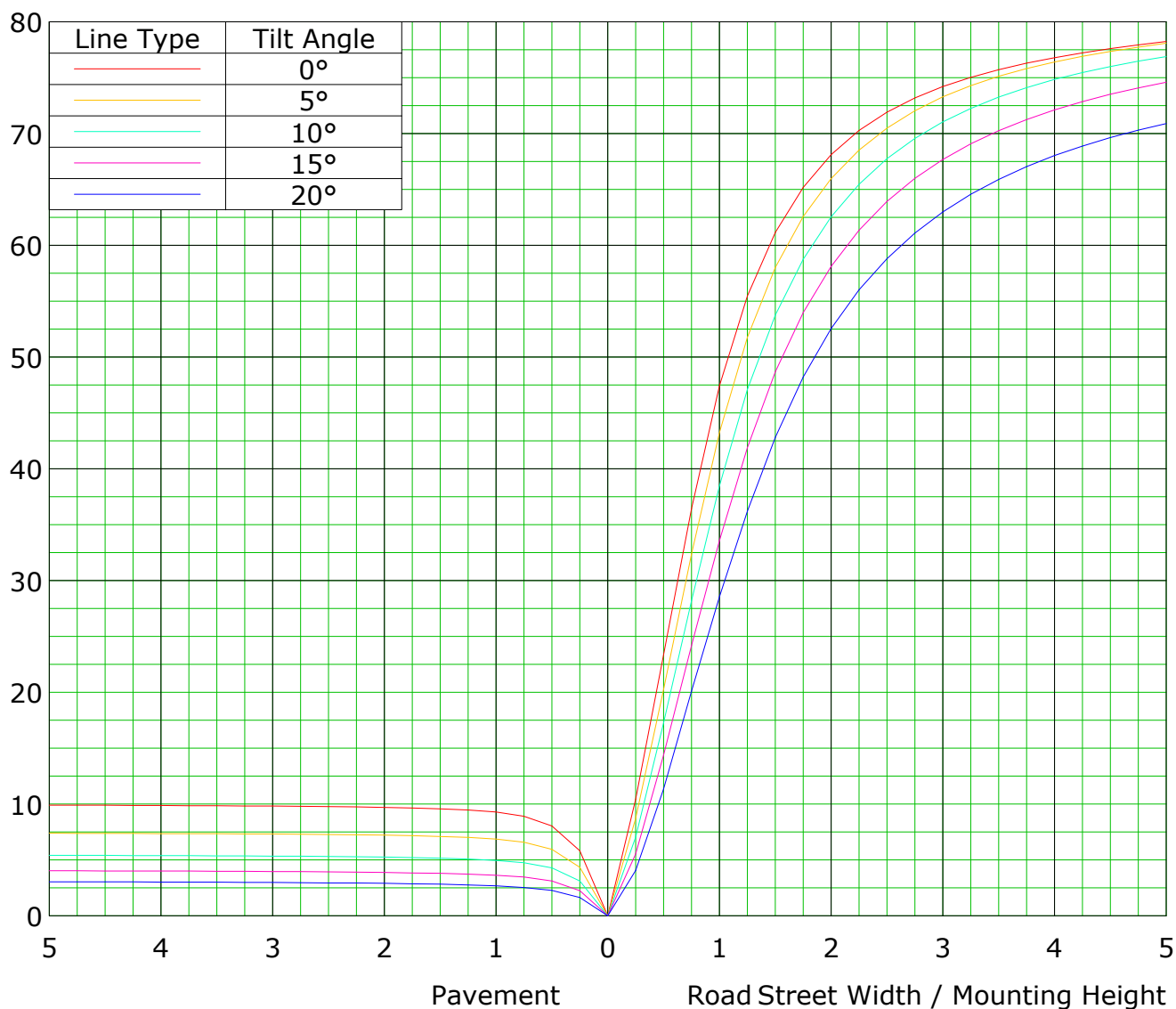
|   |                |
|---|----------------|
| Mounting Height: 10.0m    Max Lux(100%): 9.6 lx |                |
| ( 1%): 0.1 lx                                   | ( 2%): 0.2 lx  |
| ( 5%): 0.5 lx                                   | ( 10%): 1.0 lx |
| ( 20%): 1.9 lx                                  | ( 50%): 4.8 lx |
| ( 90%): 8.6 lx                                  | (100%): 9.6 lx |

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

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

## 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:

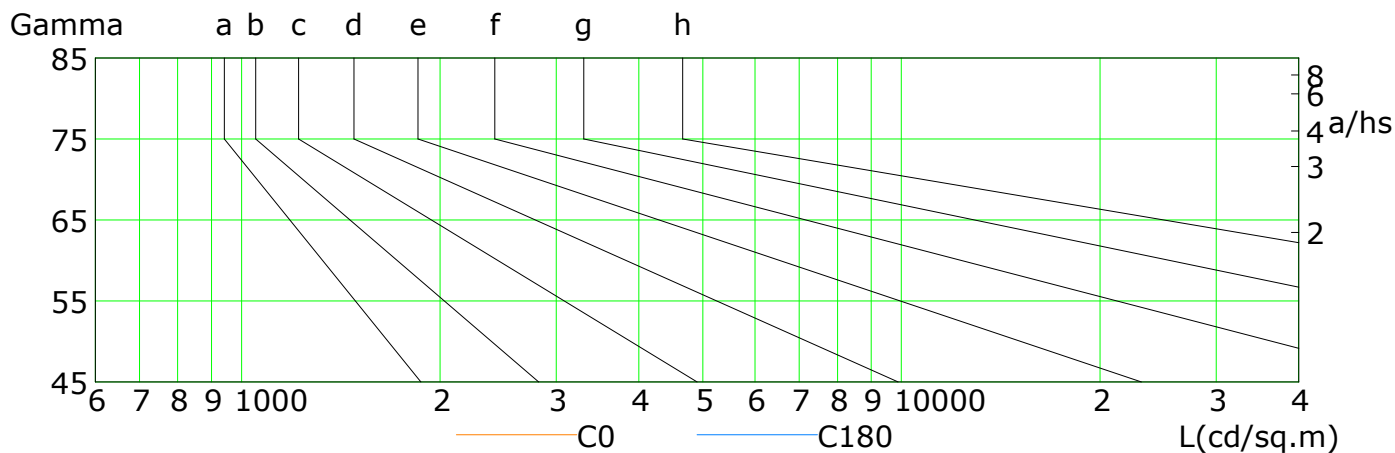
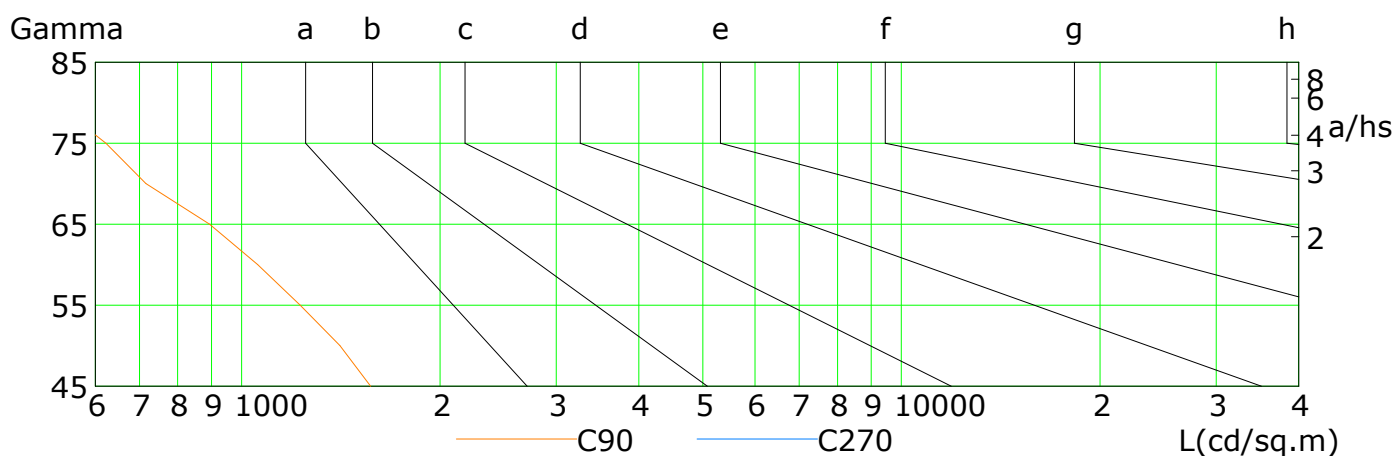
Inspector:



## 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         | 484  | 452  | 407  | 360  | 308 | 239 | 175 | 120 | 71  |
| C90        | 1568 | 1410 | 1226 | 1057 | 895 | 717 | 623 | 520 | 508 |
| C180       | 466  | 432  | 383  | 325  | 269 | 206 | 142 | 88  | 44  |
| C270       | 10   | 1    | 1    | 2    | 2   | 2   | 2   | 3   | 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

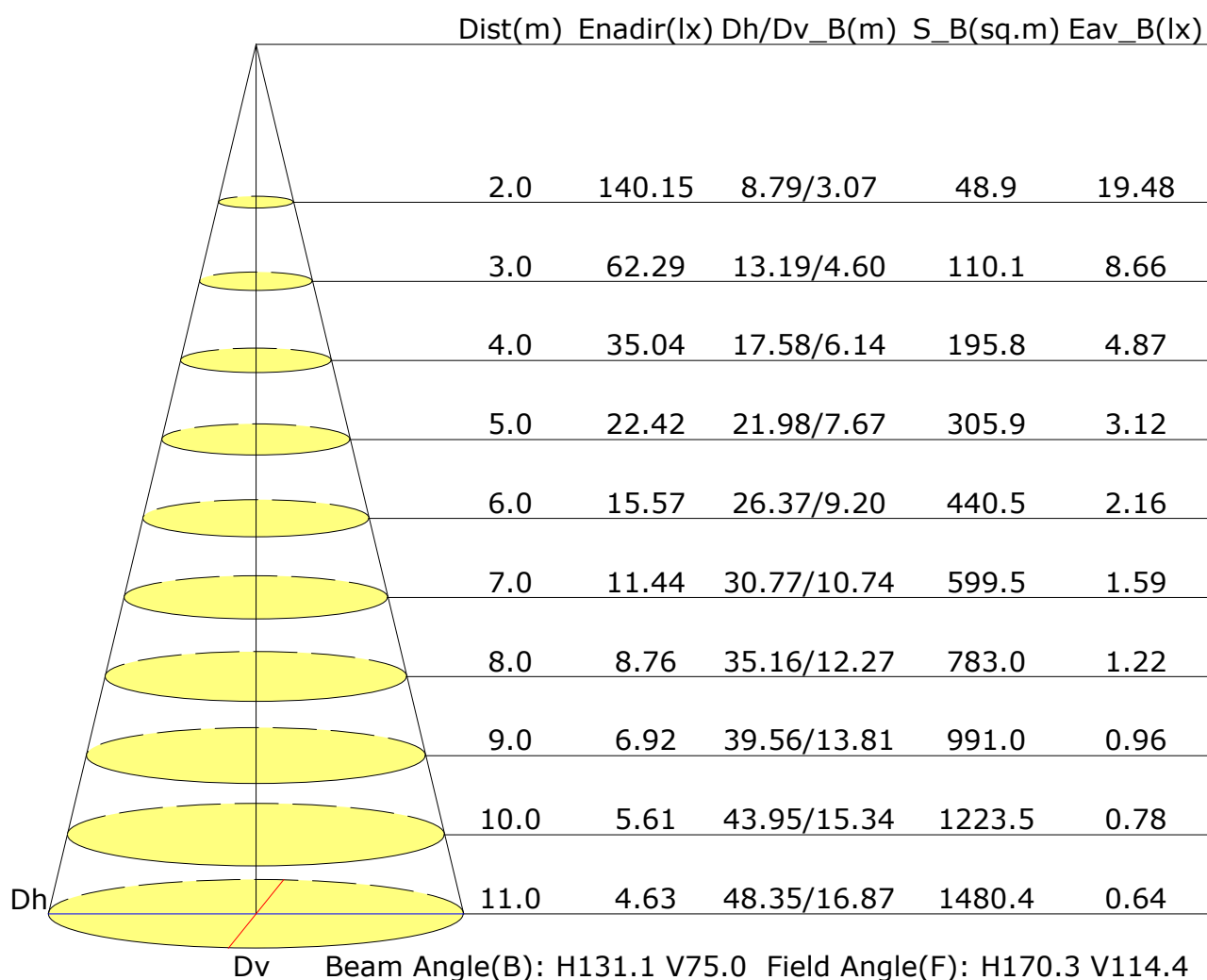
Test Device: GPM-1800B

Distance: 8.190 m

Humidity:

Inspector:

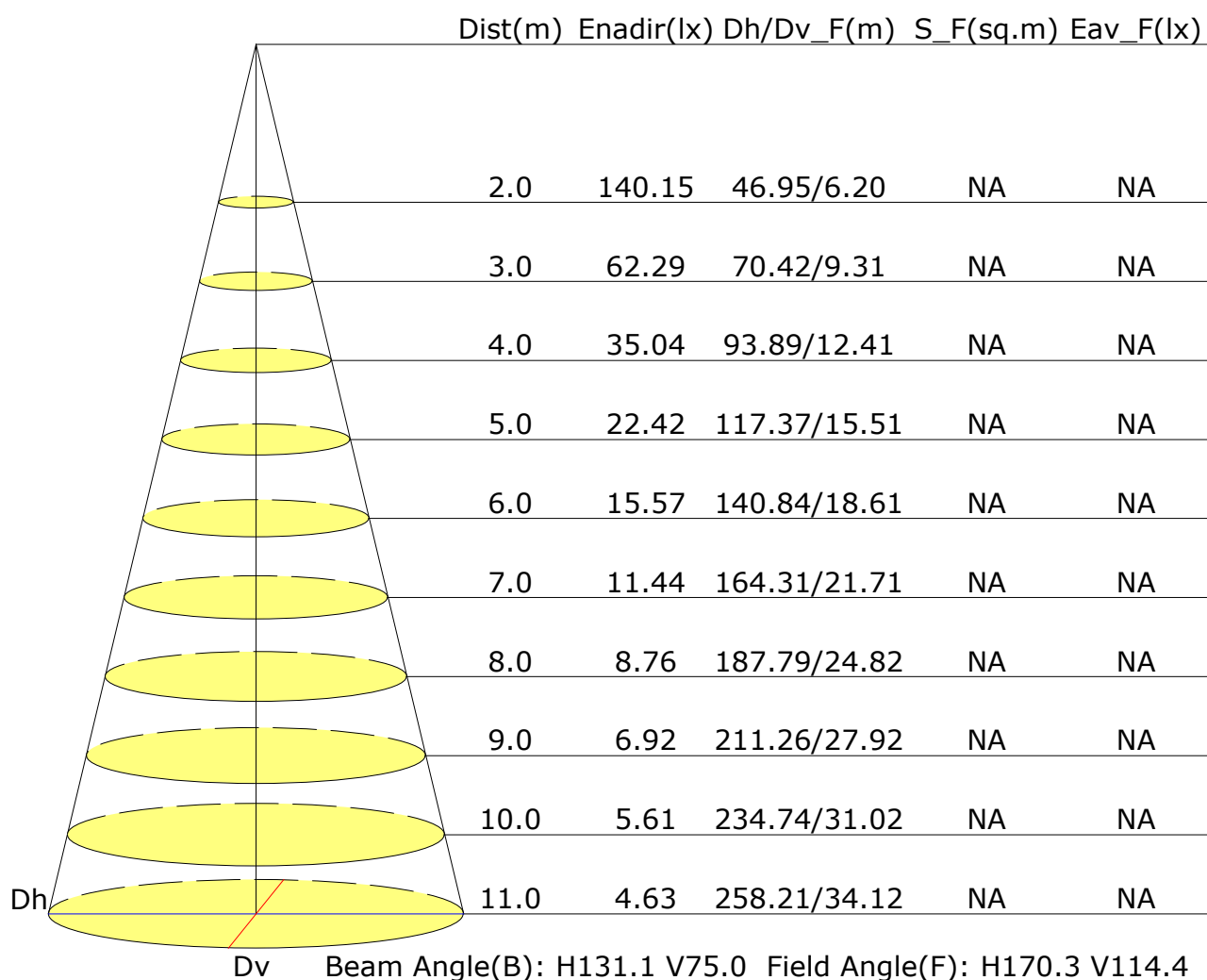
## Illuminance at a Distance(Beam Angle)



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:

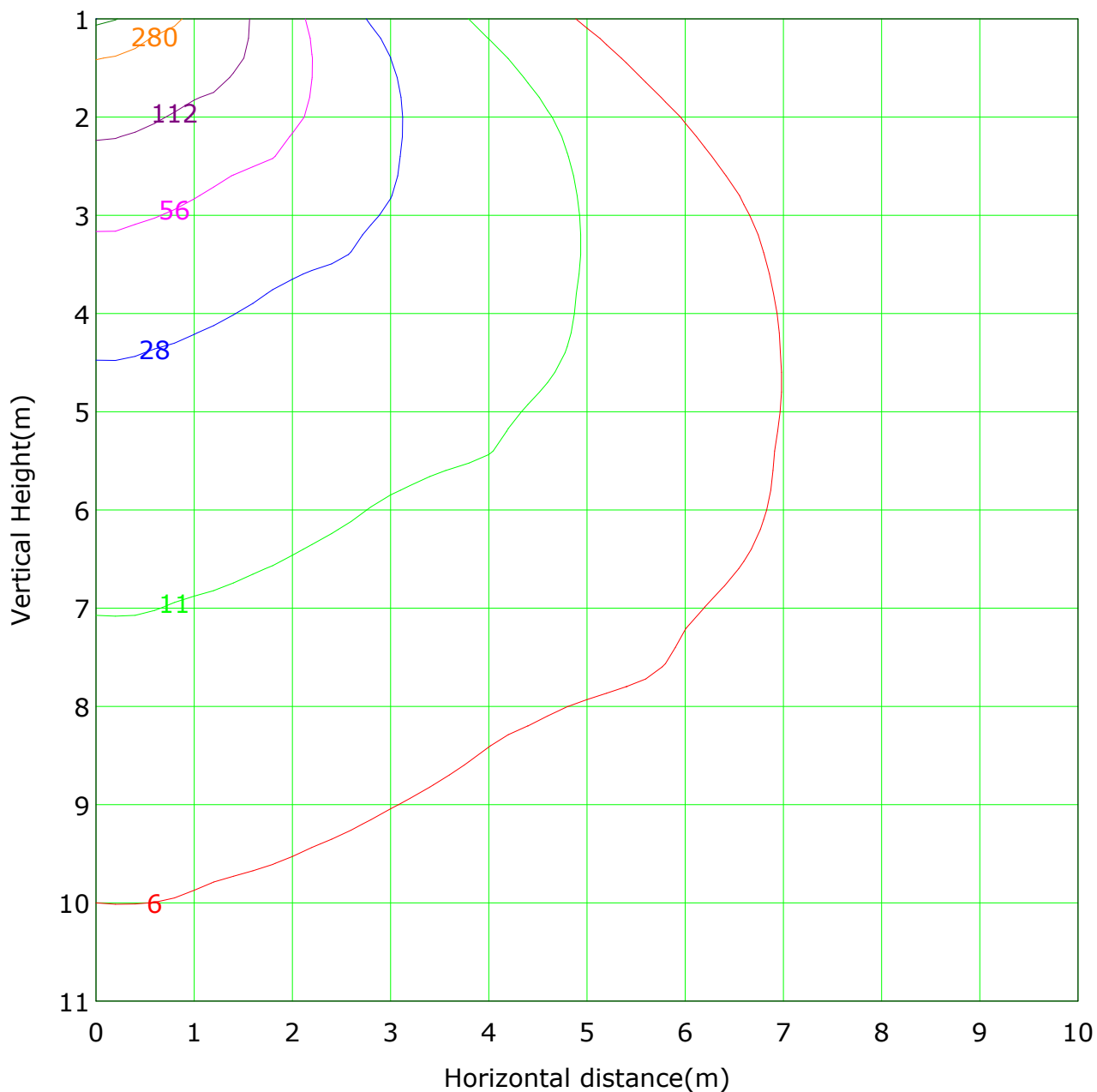
## Illuminance at a Distance(Field Angle)



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

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

## Vertical IsoLux Plot



Lowest(m): 1.0m    Highest(m): 11.0m    Max Lux: 560.6 lx

|                  |                  |
|------------------|------------------|
| ( 1%): 5.6 lx    | ( 2%): 11.2 lx   |
| ( 5%): 28.0 lx   | ( 10%): 56.1 lx  |
| ( 20%): 112.1 lx | ( 50%): 280.3 lx |
| ( 90%): 504.5 lx | (100%): 560.6 lx |

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

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

## Area Flux Table

Unit: lm

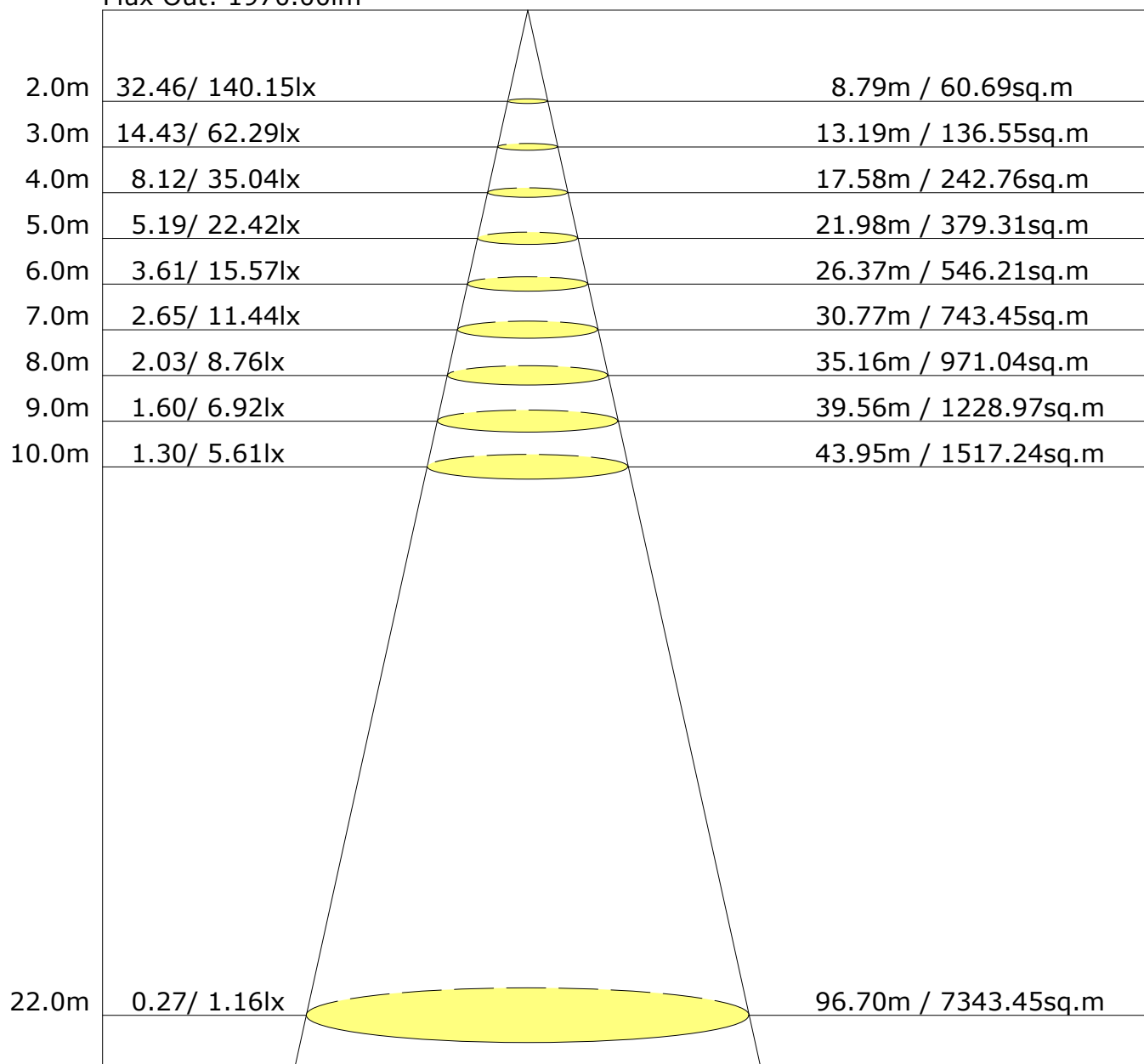
| Vertical plane   | Omni. dir. |      |      |      |       |       |       |       |       |       |       |       |       |       |      |      |      |     |       |         |         |
|------------------|------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|-----|-------|---------|---------|
|                  | -90        | -80  | -70  | -60  | -50   | -40   | -30   | -20   | -10   | 0     | 10    | 20    | 30    | 40    | 50   | 60   | 70   | 80  | 90    |         |         |
| -90              | 0.1        | 0.2  | 0.3  | 0.2  | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.2   | 0.3  | 0.3  | 0.3  | 0.1 | 2.8   | 0.0     |         |
| -80              | 0.1        | 0.2  | 0.3  | 0.3  | 0.2   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.2   | 0.4  | 0.4  | 0.3  | 0.1 | 3.2   | 0.0     |         |
| -70              | 0.1        | 0.3  | 0.4  | 0.4  | 0.3   | 0.1   | 0.1   | 0.1   | 0.1   | 0.0   | 0.0   | 0.1   | 0.2   | 0.3   | 0.5  | 0.6  | 0.4  | 0.1 | 4.1   | 0.0     |         |
| -60              | 0.1        | 0.4  | 0.6  | 0.6  | 0.4   | 0.2   | 0.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 0.2   | 0.5   | 0.7  | 0.7  | 0.5  | 0.1 | 5.6   | 0.0     |         |
| -50              | 0.1        | 0.5  | 0.9  | 0.9  | 0.8   | 0.4   | 0.3   | 0.2   | 0.3   | 0.3   | 0.3   | 0.3   | 0.5   | 1.0   | 1.1  | 1.0  | 0.7  | 0.2 | 9.9   | 0.0     |         |
| -40              | 0.1        | 0.7  | 1.3  | 1.5  | 1.5   | 1.1   | 0.8   | 0.7   | 0.8   | 0.8   | 0.8   | 0.8   | 1.3   | 1.7   | 1.7  | 1.5  | 0.8  | 0.2 | 18.2  | 0.0     |         |
| -30              | 0.1        | 0.8  | 1.9  | 2.6  | 2.5   | 2.4   | 1.8   | 1.7   | 1.8   | 1.9   | 1.8   | 2.0   | 2.6   | 2.9   | 3.0  | 2.2  | 1.0  | 0.2 | 33.2  | 4.7     |         |
| -20              | 0.1        | 1.0  | 2.5  | 4.2  | 5.1   | 4.7   | 4.2   | 4.1   | 4.5   | 4.6   | 4.5   | 4.5   | 5.1   | 5.5   | 4.6  | 2.9  | 1.2  | 0.2 | 63.6  | 43.3    |         |
| -10              | 0.2        | 1.1  | 3.2  | 5.9  | 8.3   | 9.5   | 9.9   | 10.3  | 11.2  | 11.5  | 10.9  | 9.9   | 9.9   | 8.7   | 6.3  | 3.6  | 1.4  | 0.2 | 121.9 | 120.2   |         |
| 0                | 0.2        | 1.2  | 3.7  | 7.2  | 11.0  | 13.8  | 16.1  | 18.9  | 21.4  | 21.8  | 19.9  | 16.9  | 14.9  | 11.9  | 8.0  | 4.3  | 1.5  | 0.2 | 192.9 | 191.5   |         |
| 10               | 0.2        | 1.3  | 4.0  | 8.1  | 12.8  | 17.2  | 21.4  | 25.9  | 28.7  | 29.3  | 27.3  | 23.3  | 19.7  | 14.7  | 9.5  | 4.9  | 1.7  | 0.3 | 250.0 | 248.8   |         |
| 20               | 0.2        | 1.3  | 4.1  | 8.5  | 14.1  | 20.7  | 27.6  | 33.2  | 36.2  | 37.0  | 35.2  | 30.1  | 24.2  | 17.0  | 10.6 | 5.2  | 1.8  | 0.3 | 307.3 | 306.1   |         |
| 30               | 0.2        | 1.3  | 4.0  | 8.5  | 14.9  | 22.6  | 31.3  | 40.4  | 46.9  | 49.0  | 45.9  | 36.8  | 27.5  | 18.7  | 11.0 | 5.3  | 1.8  | 0.3 | 366.3 | 365.1   |         |
| 40               | 0.2        | 1.2  | 3.6  | 8.0  | 14.3  | 22.2  | 30.6  | 39.1  | 45.1  | 47.6  | 45.9  | 37.4  | 28.2  | 18.9  | 10.8 | 5.0  | 1.7  | 0.3 | 360.0 | 358.7   |         |
| 50               | 0.2        | 1.1  | 3.1  | 6.8  | 12.4  | 19.0  | 25.8  | 32.1  | 36.2  | 38.2  | 37.6  | 32.3  | 25.1  | 17.2  | 9.7  | 4.6  | 1.6  | 0.2 | 303.3 | 301.6   |         |
| 60               | 0.1        | 1.0  | 2.7  | 5.4  | 9.5   | 14.1  | 18.8  | 23.1  | 26.0  | 27.3  | 26.8  | 23.8  | 19.2  | 13.9  | 7.9  | 3.8  | 1.3  | 0.2 | 225.1 | 223.0   |         |
| 70               | 0.1        | 0.8  | 2.2  | 4.4  | 7.1   | 10.2  | 13.3  | 15.9  | 17.9  | 18.4  | 17.3  | 15.3  | 12.8  | 9.5   | 5.8  | 3.0  | 1.1  | 0.2 | 155.3 | 152.3   |         |
| 80               | 0.1        | 0.6  | 1.6  | 3.3  | 5.5   | 8.0   | 10.6  | 12.6  | 14.1  | 14.2  | 13.0  | 11.3  | 9.1   | 6.7   | 4.3  | 2.2  | 0.9  | 0.2 | 118.3 | 113.4   |         |
| 90               | 2.4        | 15.0 | 40.4 | 76.8 | 121.0 | 166.6 | 213.1 | 258.4 | 291.2 | 302.2 | 287.3 | 245.0 | 200.6 | 149.4 | 96.2 | 51.8 | 20.1 | 3.6 | 2541  |         |         |
| Flux(T)          | 0.0        | 3.9  | 32.0 | 70.5 | 115.1 | 160.5 | 207.2 | 252.8 | 285.4 | 296.7 | 281.8 | 239.3 | 194.3 | 143.1 | 90.1 | 45.2 | 10.8 | 0.0 |       | 2429    |         |
| 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) |
| Horizontal plane |            |      |      |      |       |       |       |       |       |       |       |       |       |       |      |      |      |     |       |         |         |

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: 1970.00lm



Height Avg./Nadir. E Beam Angle: 131.1° Diameter / Area

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

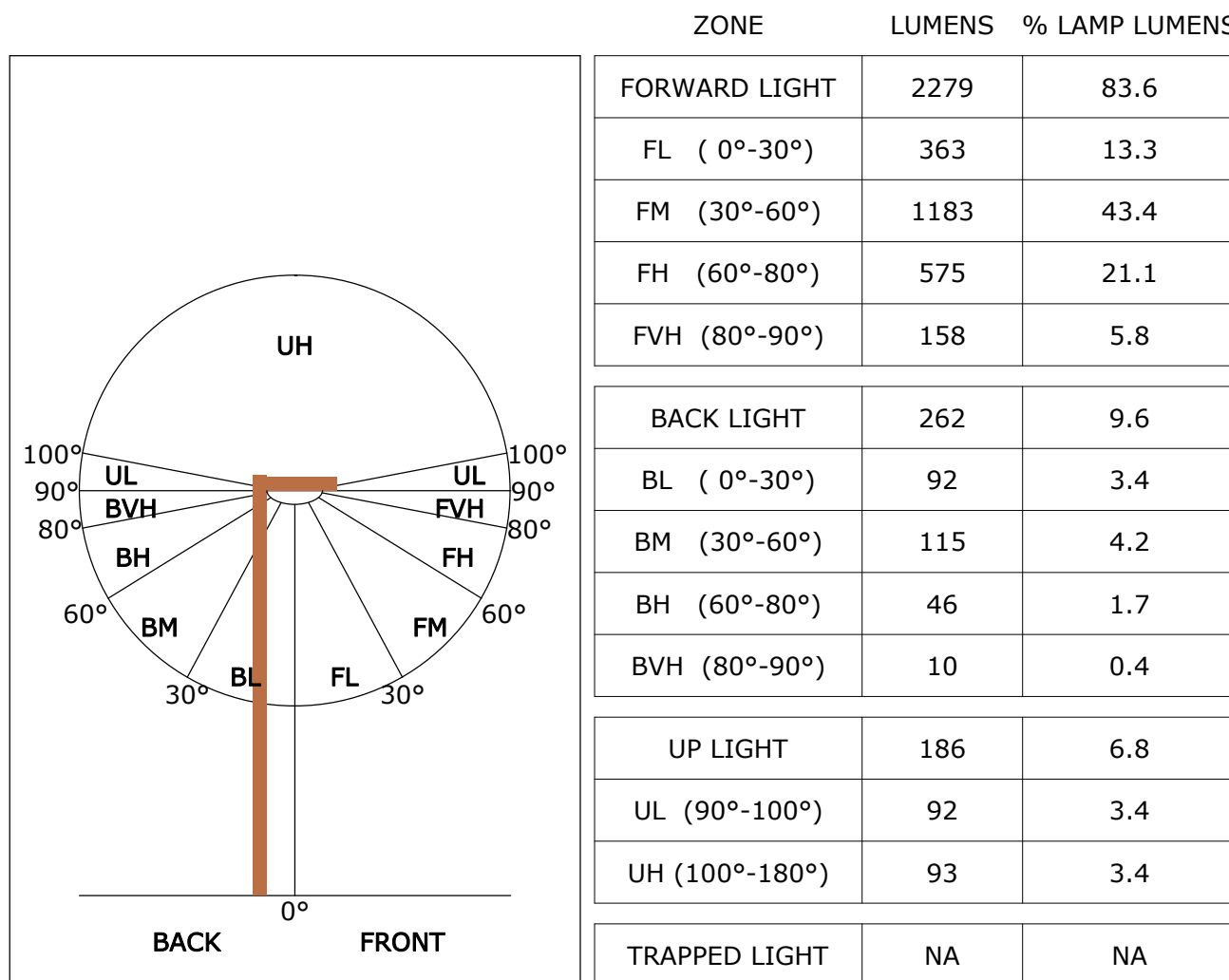
|  |                  |       |       |       |       |                |       |       |       |       |
|--|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Reflectance:                                       |                  |       |       |       |       |                |       |       |       |       |
| 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  $2727\text{lm}$  ( $8\log(F/F_0) = 3.5$ ).

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

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

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



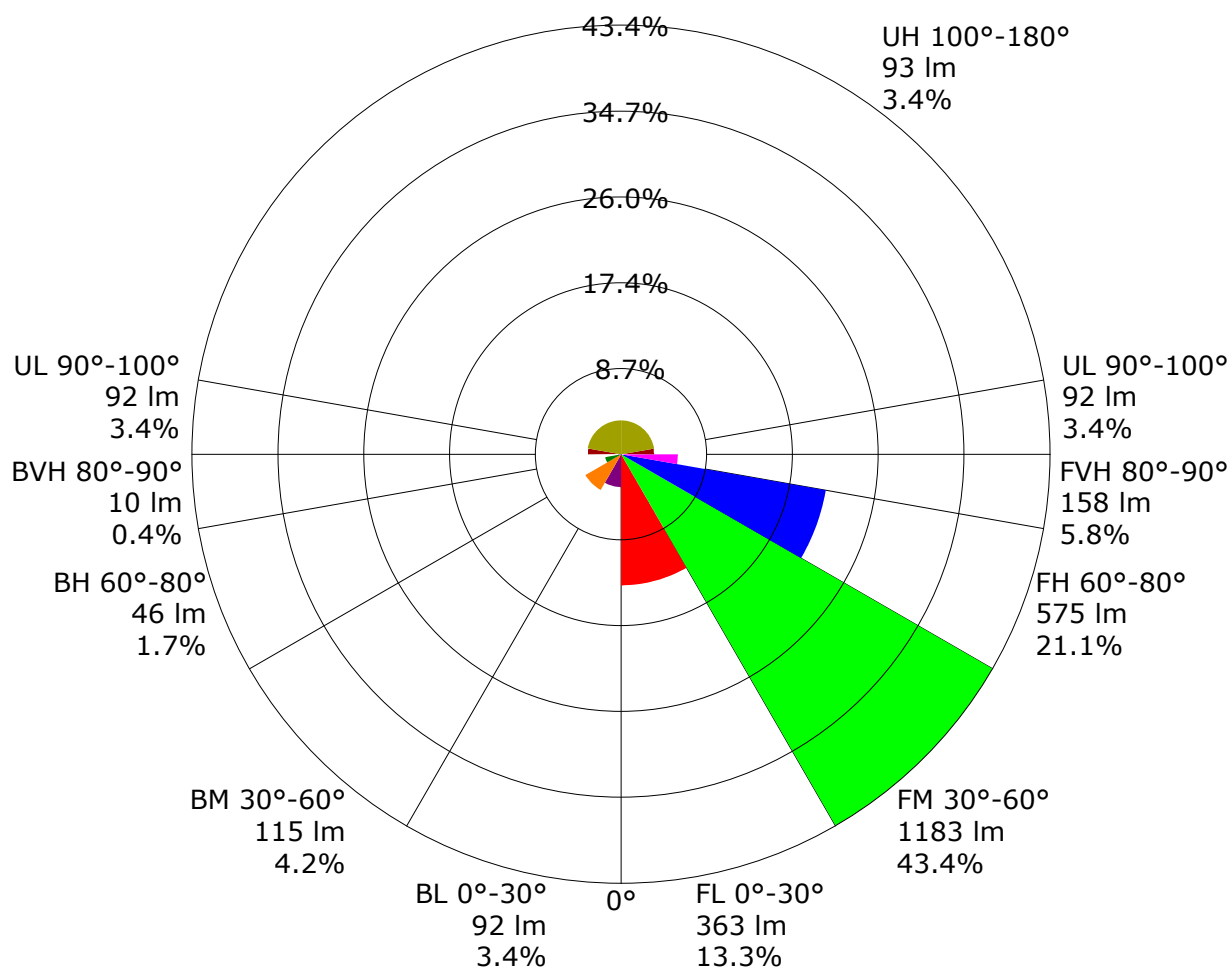
| BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07             |          |
|--|----------|
| Asymmetrical Luminaire Types<br>(Type I,II,III,IV)               | B0 U5 G1 |
| Quadrilateral Symmetrical Luminaire Types<br>(Type V,Area Light) | B0 U5 G1 |

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 = 1.75 |      |      |      |      |      |      |      |      |  |
|---|------|-------|----------------|------|------|------|------|------|------|------|------|--|
| Room Reflectance  |      |       | Room Index(RI) |      |      |      |      |      |      |      |      |  |
| Ceiling   | Wall | Floor | 0.75           | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 |  |
| 0.70  | 0.50 | 0.20  | NA             | 0.61 | 0.68 | 0.74 | 0.81 | 0.86 | 0.90 | 0.95 | 0.98 |  |
|   | 0.30 |       | NA             | 0.53 | 0.60 | 0.66 | 0.74 | 0.80 | 0.84 | 0.90 | 0.94 |  |
|   | 0.20 |       | NA             | 0.46 | 0.54 | 0.60 | 0.68 | 0.74 | 0.79 | 0.85 | 0.90 |  |
| 0.50  | 0.50 | 0.20  | NA             | 0.58 | 0.65 | 0.70 | 0.77 | 0.81 | 0.85 | 0.89 | 0.92 |  |
|   | 0.30 |       | NA             | 0.51 | 0.58 | 0.63 | 0.71 | 0.76 | 0.80 | 0.85 | 0.89 |  |
|   | 0.20 |       | NA             | 0.45 | 0.52 | 0.58 | 0.66 | 0.72 | 0.76 | 0.82 | 0.86 |  |
| 0.30  | 0.50 | 0.20  | NA             | 0.55 | 0.62 | 0.66 | 0.73 | 0.77 | 0.80 | 0.84 | 0.87 |  |
|   | 0.30 |       | NA             | 0.49 | 0.56 | 0.61 | 0.68 | 0.73 | 0.76 | 0.81 | 0.84 |  |
|   | 0.20 |       | NA             | 0.44 | 0.51 | 0.56 | 0.64 | 0.69 | 0.73 | 0.78 | 0.82 |  |
| 0.00  | 0.00 | 0.00  | NA             | 0.41 | 0.47 | 0.52 | 0.59 | 0.64 | 0.67 | 0.72 | 0.75 |  |
| Rating:21W 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 = 1.75 |      |      |      |      |      |      |      |      |  |
|---|------|-------|----------------|------|------|------|------|------|------|------|------|--|
| Room Reflectance  |      |       | Room Index(RI) |      |      |      |      |      |      |      |      |  |
| Ceiling   | Wall | Floor | 0.75           | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 |  |
| 0.70  | 0.50 | 0.20  | NA             | 0.88 | 0.76 | 0.67 | 0.55 | 0.46 | 0.40 | 0.32 | 0.27 |  |
|   | 0.30 |       | NA             | 0.76 | 0.67 | 0.59 | 0.49 | 0.42 | 0.37 | 0.30 | 0.25 |  |
|   | 0.20 |       | NA             | 0.66 | 0.59 | 0.53 | 0.45 | 0.39 | 0.35 | 0.28 | 0.24 |  |
| 0.50  | 0.50 | 0.20  | NA             | 0.84 | 0.72 | 0.64 | 0.52 | 0.47 | 0.38 | 0.30 | 0.25 |  |
|   | 0.30 |       | NA             | 0.73 | 0.64 | 0.57 | 0.47 | 0.41 | 0.36 | 0.29 | 0.24 |  |
|   | 0.20 |       | NA             | 0.64 | 0.57 | 0.52 | 0.43 | 0.38 | 0.33 | 0.27 | 0.23 |  |
| 0.30  | 0.50 | 0.20  | NA             | 0.80 | 0.69 | 0.60 | 0.49 | 0.41 | 0.36 | 0.29 | 0.24 |  |
|   | 0.30 |       | NA             | 0.70 | 0.62 | 0.55 | 0.45 | 0.39 | 0.34 | 0.27 | 0.23 |  |
|   | 0.20 |       | NA             | 0.63 | 0.56 | 0.50 | 0.42 | 0.36 | 0.32 | 0.26 | 0.22 |  |
| 0.00  | 0.00 | 0.00  | 0.94           | 0.53 | 0.46 | 0.41 | 0.34 | 0.30 | 0.26 | 0.21 | 0.18 |  |
| Rating:21W Photometrically tested without ceiling board.<br>Multiply UF values by service correction factors<br>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980 |      |       |                |      |      |      |      |      |      |      |      |  |

C Plane (°):0.0-360.0: 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(Ceiling cavity)

| Utilisation Factors UF(C)   |      |       | SHR NOM = 1.75 |      |      |      |      |      |      |      |      |  |
|---|------|-------|----------------|------|------|------|------|------|------|------|------|--|
| Room Reflectance  |      |       | Room Index(RI) |      |      |      |      |      |      |      |      |  |
| Ceiling   | Wall | Floor | 0.75           | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 |  |
| 0.70  | 0.50 | 0.20  | NA             | 0.25 | 0.26 | 0.26 | 0.27 | 0.28 | 0.28 | 0.28 | 0.29 |  |
|   | 0.30 |       | NA             | 0.18 | 0.19 | 0.20 | 0.22 | 0.23 | 0.24 | 0.25 | 0.26 |  |
|   | 0.20 |       | NA             | 0.13 | 0.14 | 0.15 | 0.17 | 0.19 | 0.20 | 0.21 | 0.23 |  |
| 0.50  | 0.50 | 0.20  | NA             | 0.24 | 0.25 | 0.25 | 0.26 | 0.26 | 0.27 | 0.27 | 0.27 |  |
|   | 0.30 |       | NA             | 0.17 | 0.19 | 0.20 | 0.21 | 0.22 | 0.23 | 0.24 | 0.25 |  |
|   | 0.20 |       | NA             | 0.12 | 0.14 | 0.15 | 0.17 | 0.18 | 0.19 | 0.21 | 0.22 |  |
| 0.30  | 0.50 | 0.20  | NA             | 0.23 | 0.24 | 0.24 | 0.25 | 0.25 | 0.26 | 0.26 | 0.26 |  |
|   | 0.30 |       | NA             | 0.17 | 0.18 | 0.19 | 0.20 | 0.21 | 0.22 | 0.23 | 0.24 |  |
|   | 0.20 |       | NA             | 0.12 | 0.14 | 0.15 | 0.16 | 0.18 | 0.19 | 0.20 | 0.21 |  |
| 0.00  | 0.00 | 0.00  | 0.07           | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 |  |
| Rating:21W Photometrically tested without ceiling board.<br>Multiply UF values by service correction factors<br>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980 |      |       |                |      |      |      |      |      |      |      |      |  |

C Plane (°):0.0-360.0: 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

| 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      | 561.6                     | 0.5                | 0.5                    | 0.02                  | 0.02                      |
| 1.0-2.0      | 561.6                     | 1.6                | 2.1                    | 0.06                  | 0.08                      |
| 2.0-3.0      | 560.4                     | 2.7                | 4.8                    | 0.10                  | 0.18                      |
| 3.0-4.0      | 559.3                     | 3.7                | 8.6                    | 0.14                  | 0.31                      |
| 4.0-5.0      | 556.8                     | 4.8                | 13.4                   | 0.18                  | 0.49                      |
| 5.0-6.0      | 553.3                     | 5.8                | 19.2                   | 0.21                  | 0.70                      |
| 6.0-7.0      | 548.1                     | 6.8                | 26.0                   | 0.25                  | 0.95                      |
| 7.0-8.0      | 542.5                     | 7.8                | 33.8                   | 0.28                  | 1.24                      |
| 8.0-9.0      | 539.0                     | 8.7                | 42.5                   | 0.32                  | 1.56                      |
| 9.0-10.0     | 537.1                     | 9.7                | 52.2                   | 0.36                  | 1.91                      |
| 10.0-11.0    | 536.0                     | 10.7               | 62.9                   | 0.39                  | 2.31                      |
| 11.0-12.0    | 535.0                     | 11.7               | 74.6                   | 0.43                  | 2.74                      |
| 12.0-13.0    | 534.5                     | 12.7               | 87.3                   | 0.47                  | 3.20                      |
| 13.0-14.0    | 534.3                     | 13.7               | 101.0                  | 0.50                  | 3.70                      |
| 14.0-15.0    | 533.6                     | 14.7               | 115.6                  | 0.54                  | 4.24                      |
| 15.0-16.0    | 532.4                     | 15.6               | 131.2                  | 0.57                  | 4.81                      |
| 16.0-17.0    | 530.8                     | 16.5               | 147.8                  | 0.61                  | 5.42                      |
| 17.0-18.0    | 528.9                     | 17.4               | 165.2                  | 0.64                  | 6.06                      |
| 18.0-19.0    | 527.6                     | 18.4               | 183.6                  | 0.67                  | 6.73                      |
| 19.0-20.0    | 527.0                     | 19.3               | 202.9                  | 0.71                  | 7.44                      |
| 20.0-21.0    | 527.2                     | 20.2               | 223.1                  | 0.74                  | 8.18                      |
| 21.0-22.0    | 528.7                     | 21.2               | 244.4                  | 0.78                  | 8.96                      |
| 22.0-23.0    | 531.3                     | 22.3               | 266.6                  | 0.82                  | 9.78                      |
| 23.0-24.0    | 534.1                     | 23.4               | 290.0                  | 0.86                  | 10.64                     |
| 24.0-25.0    | 537.4                     | 24.4               | 314.4                  | 0.90                  | 11.53                     |
| 25.0-26.0    | 541.6                     | 25.6               | 340.0                  | 0.94                  | 12.47                     |
| 26.0-27.0    | 547.1                     | 26.8               | 366.8                  | 0.98                  | 13.45                     |
| 27.0-28.0    | 553.6                     | 28.0               | 394.8                  | 1.03                  | 14.48                     |
| 28.0-29.0    | 561.0                     | 29.4               | 424.2                  | 1.08                  | 15.56                     |
| 29.0-30.0    | 569.4                     | 30.7               | 454.9                  | 1.13                  | 16.68                     |
| 30.0-31.0    | 578.7                     | 32.2               | 487.1                  | 1.18                  | 17.87                     |
| 31.0-32.0    | 588.7                     | 33.7               | 520.9                  | 1.24                  | 19.10                     |
| 32.0-33.0    | 598.9                     | 35.3               | 556.1                  | 1.29                  | 20.40                     |
| 33.0-34.0    | 608.2                     | 36.8               | 592.9                  | 1.35                  | 21.75                     |
| 34.0-35.0    | 615.5                     | 38.2               | 631.2                  | 1.40                  | 23.15                     |
| 35.0-36.0    | 620.4                     | 39.5               | 670.7                  | 1.45                  | 24.60                     |

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    | 623.4                     | 40.7               | 711.3                  | 1.49                  | 26.09                     |
| 37.0-38.0    | 625.5                     | 41.8               | 753.1                  | 1.53                  | 27.62                     |
| 38.0-39.0    | 626.0                     | 42.7               | 795.8                  | 1.57                  | 29.19                     |
| 39.0-40.0    | 624.2                     | 43.5               | 839.4                  | 1.60                  | 30.79                     |
| 40.0-41.0    | 621.7                     | 44.3               | 883.7                  | 1.62                  | 32.41                     |
| 41.0-42.0    | 618.7                     | 45.0               | 928.6                  | 1.65                  | 34.06                     |
| 42.0-43.0    | 614.6                     | 45.5               | 974.2                  | 1.67                  | 35.73                     |
| 43.0-44.0    | 610.1                     | 46.1               | 1020.2                 | 1.69                  | 37.42                     |
| 44.0-45.0    | 604.8                     | 46.5               | 1066.7                 | 1.70                  | 39.12                     |
| 45.0-46.0    | 598.2                     | 46.8               | 1113.5                 | 1.72                  | 40.84                     |
| 46.0-47.0    | 590.7                     | 47.0               | 1160.5                 | 1.72                  | 42.56                     |
| 47.0-48.0    | 582.3                     | 47.1               | 1207.5                 | 1.73                  | 44.29                     |
| 48.0-49.0    | 573.9                     | 47.1               | 1254.7                 | 1.73                  | 46.02                     |
| 49.0-50.0    | 564.7                     | 47.1               | 1301.8                 | 1.73                  | 47.74                     |
| 50.0-51.0    | 554.3                     | 46.9               | 1348.7                 | 1.72                  | 49.46                     |
| 51.0-52.0    | 544.7                     | 46.7               | 1395.4                 | 1.71                  | 51.18                     |
| 52.0-53.0    | 534.9                     | 46.5               | 1442.0                 | 1.71                  | 52.89                     |
| 53.0-54.0    | 523.6                     | 46.2               | 1488.1                 | 1.69                  | 54.58                     |
| 54.0-55.0    | 511.4                     | 45.7               | 1533.8                 | 1.67                  | 56.25                     |
| 55.0-56.0    | 498.9                     | 45.1               | 1578.9                 | 1.65                  | 57.91                     |
| 56.0-57.0    | 486.1                     | 44.5               | 1623.3                 | 1.63                  | 59.54                     |
| 57.0-58.0    | 473.0                     | 43.7               | 1667.1                 | 1.60                  | 61.14                     |
| 58.0-59.0    | 460.2                     | 43.0               | 1710.1                 | 1.58                  | 62.72                     |
| 59.0-60.0    | 447.7                     | 42.3               | 1752.4                 | 1.55                  | 64.27                     |
| 60.0-61.0    | 434.6                     | 41.5               | 1793.9                 | 1.52                  | 65.79                     |
| 61.0-62.0    | 421.0                     | 40.6               | 1834.5                 | 1.49                  | 67.28                     |
| 62.0-63.0    | 407.6                     | 39.6               | 1874.1                 | 1.45                  | 68.73                     |
| 63.0-64.0    | 394.3                     | 38.7               | 1912.8                 | 1.42                  | 70.15                     |
| 64.0-65.0    | 380.8                     | 37.7               | 1950.5                 | 1.38                  | 71.54                     |
| 65.0-66.0    | 366.1                     | 36.5               | 1987.0                 | 1.34                  | 72.88                     |
| 66.0-67.0    | 350.6                     | 35.3               | 2022.3                 | 1.29                  | 74.17                     |
| 67.0-68.0    | 335.6                     | 34.0               | 2056.3                 | 1.25                  | 75.42                     |
| 68.0-69.0    | 321.7                     | 32.8               | 2089.1                 | 1.20                  | 76.62                     |
| 69.0-70.0    | 307.4                     | 31.6               | 2120.7                 | 1.16                  | 77.78                     |
| 70.0-71.0    | 292.8                     | 30.3               | 2150.9                 | 1.11                  | 78.89                     |
| 71.0-72.0    | 278.2                     | 28.9               | 2179.9                 | 1.06                  | 79.95                     |

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    | 264.0                     | 27.6               | 2207.5                 | 1.01                  | 80.96                     |
| 73.0-74.0    | 252.0                     | 26.5               | 2234.0                 | 0.97                  | 81.93                     |
| 74.0-75.0    | 241.3                     | 25.5               | 2259.5                 | 0.94                  | 82.87                     |
| 75.0-76.0    | 231.5                     | 24.6               | 2284.0                 | 0.90                  | 83.77                     |
| 76.0-77.0    | 222.0                     | 23.7               | 2307.7                 | 0.87                  | 84.64                     |
| 77.0-78.0    | 212.1                     | 22.7               | 2330.4                 | 0.83                  | 85.47                     |
| 78.0-79.0    | 202.2                     | 21.7               | 2352.2                 | 0.80                  | 86.27                     |
| 79.0-80.0    | 192.4                     | 20.7               | 2372.9                 | 0.76                  | 87.03                     |
| 80.0-81.0    | 183.7                     | 19.9               | 2392.8                 | 0.73                  | 87.76                     |
| 81.0-82.0    | 176.2                     | 19.1               | 2411.9                 | 0.70                  | 88.46                     |
| 82.0-83.0    | 169.6                     | 18.4               | 2430.3                 | 0.68                  | 89.13                     |
| 83.0-84.0    | 163.3                     | 17.8               | 2448.1                 | 0.65                  | 89.79                     |
| 84.0-85.0    | 157.1                     | 17.2               | 2465.3                 | 0.63                  | 90.42                     |
| 85.0-86.0    | 151.2                     | 16.5               | 2481.8                 | 0.61                  | 91.02                     |
| 86.0-87.0    | 144.4                     | 15.8               | 2497.6                 | 0.58                  | 91.60                     |
| 87.0-88.0    | 137.5                     | 15.1               | 2512.7                 | 0.55                  | 92.15                     |
| 88.0-89.0    | 132.3                     | 14.5               | 2527.2                 | 0.53                  | 92.69                     |
| 89.0-90.0    | 126.4                     | 13.9               | 2541.0                 | 0.51                  | 93.19                     |
| 90.0-91.0    | 118.3                     | 13.0               | 2554.0                 | 0.48                  | 93.67                     |
| 91.0-92.0    | 106.4                     | 11.7               | 2565.7                 | 0.43                  | 94.10                     |
| 92.0-93.0    | 96.0                      | 10.5               | 2576.2                 | 0.39                  | 94.48                     |
| 93.0-94.0    | 92.5                      | 10.1               | 2586.3                 | 0.37                  | 94.86                     |
| 94.0-95.0    | 89.0                      | 9.7                | 2596.0                 | 0.36                  | 95.21                     |
| 95.0-96.0    | 82.5                      | 9.0                | 2605.0                 | 0.33                  | 95.54                     |
| 96.0-97.0    | 75.2                      | 8.2                | 2613.2                 | 0.30                  | 95.84                     |
| 97.0-98.0    | 67.8                      | 7.4                | 2620.6                 | 0.27                  | 96.11                     |
| 98.0-99.0    | 60.9                      | 6.6                | 2627.2                 | 0.24                  | 96.36                     |
| 99.0-100.0   | 54.3                      | 5.9                | 2633.1                 | 0.22                  | 96.57                     |
| 100.0-101.0  | 48.6                      | 5.2                | 2638.3                 | 0.19                  | 96.76                     |
| 101.0-102.0  | 43.8                      | 4.7                | 2643.0                 | 0.17                  | 96.94                     |
| 102.0-103.0  | 39.8                      | 4.3                | 2647.3                 | 0.16                  | 97.09                     |
| 103.0-104.0  | 36.0                      | 3.8                | 2651.1                 | 0.14                  | 97.23                     |
| 104.0-105.0  | 32.1                      | 3.4                | 2654.5                 | 0.13                  | 97.36                     |
| 105.0-106.0  | 29.2                      | 3.1                | 2657.6                 | 0.11                  | 97.47                     |
| 106.0-107.0  | 26.8                      | 2.8                | 2660.4                 | 0.10                  | 97.57                     |
| 107.0-108.0  | 24.6                      | 2.6                | 2663.0                 | 0.09                  | 97.67                     |

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  | 22.7                      | 2.4                | 2665.4                 | 0.09                  | 97.76                     |
| 109.0-110.0  | 21.0                      | 2.2                | 2667.6                 | 0.08                  | 97.84                     |
| 110.0-111.0  | 19.7                      | 2.0                | 2669.6                 | 0.07                  | 97.91                     |
| 111.0-112.0  | 18.8                      | 1.9                | 2671.5                 | 0.07                  | 97.98                     |
| 112.0-113.0  | 18.1                      | 1.8                | 2673.3                 | 0.07                  | 98.05                     |
| 113.0-114.0  | 17.6                      | 1.8                | 2675.1                 | 0.06                  | 98.11                     |
| 114.0-115.0  | 17.1                      | 1.7                | 2676.8                 | 0.06                  | 98.17                     |
| 115.0-116.0  | 16.8                      | 1.7                | 2678.5                 | 0.06                  | 98.24                     |
| 116.0-117.0  | 16.3                      | 1.6                | 2680.1                 | 0.06                  | 98.29                     |
| 117.0-118.0  | 15.9                      | 1.5                | 2681.6                 | 0.06                  | 98.35                     |
| 118.0-119.0  | 15.6                      | 1.5                | 2683.1                 | 0.06                  | 98.41                     |
| 119.0-120.0  | 15.3                      | 1.5                | 2684.6                 | 0.05                  | 98.46                     |
| 120.0-121.0  | 15.1                      | 1.4                | 2686.0                 | 0.05                  | 98.51                     |
| 121.0-122.0  | 15.0                      | 1.4                | 2687.4                 | 0.05                  | 98.56                     |
| 122.0-123.0  | 14.9                      | 1.4                | 2688.8                 | 0.05                  | 98.61                     |
| 123.0-124.0  | 14.8                      | 1.3                | 2690.1                 | 0.05                  | 98.66                     |
| 124.0-125.0  | 14.7                      | 1.3                | 2691.4                 | 0.05                  | 98.71                     |
| 125.0-126.0  | 14.6                      | 1.3                | 2692.8                 | 0.05                  | 98.76                     |
| 126.0-127.0  | 14.6                      | 1.3                | 2694.0                 | 0.05                  | 98.81                     |
| 127.0-128.0  | 14.5                      | 1.3                | 2695.3                 | 0.05                  | 98.85                     |
| 128.0-129.0  | 14.5                      | 1.2                | 2696.5                 | 0.05                  | 98.90                     |
| 129.0-130.0  | 14.5                      | 1.2                | 2697.8                 | 0.04                  | 98.94                     |
| 130.0-131.0  | 14.5                      | 1.2                | 2699.0                 | 0.04                  | 98.99                     |
| 131.0-132.0  | 14.5                      | 1.2                | 2700.2                 | 0.04                  | 99.03                     |
| 132.0-133.0  | 14.5                      | 1.2                | 2701.3                 | 0.04                  | 99.07                     |
| 133.0-134.0  | 14.5                      | 1.2                | 2702.5                 | 0.04                  | 99.12                     |
| 134.0-135.0  | 14.4                      | 1.1                | 2703.6                 | 0.04                  | 99.16                     |
| 135.0-136.0  | 14.4                      | 1.1                | 2704.7                 | 0.04                  | 99.20                     |
| 136.0-137.0  | 14.4                      | 1.1                | 2705.8                 | 0.04                  | 99.24                     |
| 137.0-138.0  | 14.3                      | 1.1                | 2706.9                 | 0.04                  | 99.28                     |
| 138.0-139.0  | 14.3                      | 1.0                | 2707.9                 | 0.04                  | 99.32                     |
| 139.0-140.0  | 14.2                      | 1.0                | 2708.9                 | 0.04                  | 99.35                     |
| 140.0-141.0  | 14.1                      | 1.0                | 2709.9                 | 0.04                  | 99.39                     |
| 141.0-142.0  | 14.1                      | 1.0                | 2710.9                 | 0.04                  | 99.42                     |
| 142.0-143.0  | 14.0                      | 0.9                | 2711.8                 | 0.03                  | 99.46                     |
| 143.0-144.0  | 13.9                      | 0.9                | 2712.7                 | 0.03                  | 99.49                     |

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  | 13.8                      | 0.9                | 2713.6                 | 0.03                  | 99.52                     |
| 145.0-146.0  | 13.7                      | 0.9                | 2714.5                 | 0.03                  | 99.56                     |
| 146.0-147.0  | 13.6                      | 0.8                | 2715.3                 | 0.03                  | 99.59                     |
| 147.0-148.0  | 13.4                      | 0.8                | 2716.1                 | 0.03                  | 99.61                     |
| 148.0-149.0  | 13.3                      | 0.8                | 2716.8                 | 0.03                  | 99.64                     |
| 149.0-150.0  | 13.2                      | 0.7                | 2717.6                 | 0.03                  | 99.67                     |
| 150.0-151.0  | 13.0                      | 0.7                | 2718.3                 | 0.03                  | 99.70                     |
| 151.0-152.0  | 12.8                      | 0.7                | 2718.9                 | 0.02                  | 99.72                     |
| 152.0-153.0  | 12.7                      | 0.6                | 2719.6                 | 0.02                  | 99.74                     |
| 153.0-154.0  | 12.5                      | 0.6                | 2720.2                 | 0.02                  | 99.77                     |
| 154.0-155.0  | 12.3                      | 0.6                | 2720.8                 | 0.02                  | 99.79                     |
| 155.0-156.0  | 12.0                      | 0.5                | 2721.3                 | 0.02                  | 99.81                     |
| 156.0-157.0  | 11.8                      | 0.5                | 2721.8                 | 0.02                  | 99.83                     |
| 157.0-158.0  | 11.5                      | 0.5                | 2722.3                 | 0.02                  | 99.84                     |
| 158.0-159.0  | 11.3                      | 0.5                | 2722.8                 | 0.02                  | 99.86                     |
| 159.0-160.0  | 11.0                      | 0.4                | 2723.2                 | 0.02                  | 99.88                     |
| 160.0-161.0  | 10.8                      | 0.4                | 2723.6                 | 0.01                  | 99.89                     |
| 161.0-162.0  | 10.5                      | 0.4                | 2724.0                 | 0.01                  | 99.90                     |
| 162.0-163.0  | 10.2                      | 0.3                | 2724.3                 | 0.01                  | 99.92                     |
| 163.0-164.0  | 10.0                      | 0.3                | 2724.6                 | 0.01                  | 99.93                     |
| 164.0-165.0  | 9.7                       | 0.3                | 2724.9                 | 0.01                  | 99.94                     |
| 165.0-166.0  | 9.4                       | 0.3                | 2725.1                 | 0.01                  | 99.95                     |
| 166.0-167.0  | 9.1                       | 0.2                | 2725.4                 | 0.01                  | 99.96                     |
| 167.0-168.0  | 8.7                       | 0.2                | 2725.6                 | 0.01                  | 99.96                     |
| 168.0-169.0  | 8.4                       | 0.2                | 2725.8                 | 0.01                  | 99.97                     |
| 169.0-170.0  | 8.1                       | 0.2                | 2725.9                 | 0.01                  | 99.98                     |
| 170.0-171.0  | 7.8                       | 0.1                | 2726.1                 | 0.01                  | 99.98                     |
| 171.0-172.0  | 7.4                       | 0.1                | 2726.2                 | 0.00                  | 99.99                     |
| 172.0-173.0  | 7.1                       | 0.1                | 2726.3                 | 0.00                  | 99.99                     |
| 173.0-174.0  | 6.7                       | 0.1                | 2726.4                 | 0.00                  | 99.99                     |
| 174.0-175.0  | 6.3                       | 0.1                | 2726.4                 | 0.00                  | 99.99                     |
| 175.0-176.0  | 6.0                       | 0.1                | 2726.5                 | 0.00                  | 100.00                    |
| 176.0-177.0  | 5.8                       | 0.0                | 2726.5                 | 0.00                  | 100.00                    |
| 177.0-178.0  | 5.7                       | 0.0                | 2726.6                 | 0.00                  | 100.00                    |
| 178.0-179.0  | 5.7                       | 0.0                | 2726.6                 | 0.00                  | 100.00                    |
| 179.0-180.0  | 5.7                       | 0.0                | 2726.6                 | 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  | 560.6 | 560.6 | 560.6  | 560.6  | 560.6  | 560.6  | 560.6  | 560.6  | 560.6  | 560.6  |
| G1.0  | 562.4 | 576.4 | 588.4  | 596.6  | 598.7  | 592.9  | 586.1  | 572.8  | 562.7  | 549.6  |
| G2.0  | 562.8 | 593.7 | 612.4  | 626.4  | 629.5  | 622.1  | 605.3  | 580.7  | 558.5  | 536.2  |
| G3.0  | 562.9 | 604.8 | 636.8  | 664.2  | 666.9  | 655.6  | 632.1  | 589.7  | 556.5  | 519.3  |
| G4.0  | 561.2 | 613.8 | 664.6  | 696.7  | 705.1  | 686.2  | 650.0  | 600.3  | 554.4  | 500.4  |
| G5.0  | 556.6 | 623.9 | 687.7  | 730.6  | 740.8  | 717.9  | 673.9  | 612.3  | 551.0  | 484.7  |
| G6.0  | 550.4 | 634.9 | 714.3  | 764.6  | 771.4  | 745.3  | 700.0  | 622.2  | 548.9  | 469.5  |
| G7.0  | 545.3 | 642.6 | 732.3  | 791.6  | 796.7  | 766.6  | 719.8  | 630.1  | 545.2  | 451.8  |
| G8.0  | 542.3 | 649.5 | 752.7  | 817.0  | 822.1  | 790.4  | 738.1  | 637.8  | 541.1  | 433.8  |
| G9.0  | 539.6 | 659.2 | 769.3  | 838.9  | 850.6  | 814.2  | 746.7  | 646.3  | 537.7  | 416.1  |
| G10.0 | 537.7 | 672.8 | 786.2  | 862.2  | 877.2  | 838.8  | 759.1  | 653.2  | 533.9  | 398.6  |
| G11.0 | 534.7 | 684.3 | 800.9  | 883.9  | 900.0  | 863.0  | 770.6  | 657.0  | 531.2  | 382.8  |
| G12.0 | 530.8 | 693.8 | 820.3  | 901.7  | 919.4  | 883.2  | 784.6  | 660.0  | 528.5  | 365.5  |
| G13.0 | 526.6 | 701.9 | 843.6  | 918.0  | 941.7  | 905.8  | 794.4  | 665.8  | 526.4  | 347.8  |
| G14.0 | 523.6 | 711.5 | 861.2  | 938.8  | 958.4  | 927.2  | 805.9  | 672.1  | 523.5  | 330.4  |
| G15.0 | 520.9 | 719.2 | 878.1  | 955.9  | 975.6  | 947.1  | 815.1  | 673.5  | 519.7  | 313.0  |
| G16.0 | 517.5 | 723.6 | 890.8  | 974.6  | 992.8  | 962.1  | 826.8  | 676.2  | 516.1  | 294.9  |
| G17.0 | 513.6 | 727.3 | 902.8  | 994.4  | 1005.3 | 969.1  | 845.9  | 679.4  | 511.6  | 277.9  |
| G18.0 | 509.9 | 731.5 | 915.7  | 1004.9 | 1015.5 | 979.0  | 865.6  | 680.4  | 506.8  | 261.9  |
| G19.0 | 507.1 | 737.1 | 928.7  | 1023.2 | 1030.9 | 986.0  | 880.0  | 679.6  | 503.7  | 250.6  |
| G20.0 | 504.1 | 741.6 | 940.8  | 1035.0 | 1045.4 | 1001.0 | 894.5  | 678.8  | 502.7  | 241.8  |
| G21.0 | 501.5 | 741.8 | 950.5  | 1051.2 | 1068.5 | 1025.2 | 900.8  | 678.3  | 503.1  | 234.1  |
| G22.0 | 497.7 | 743.7 | 958.8  | 1075.6 | 1101.3 | 1054.0 | 910.1  | 678.8  | 501.2  | 226.0  |
| G23.0 | 495.9 | 747.2 | 970.6  | 1099.4 | 1136.8 | 1078.4 | 917.8  | 681.7  | 499.1  | 217.7  |
| G24.0 | 491.7 | 749.5 | 969.0  | 1129.7 | 1179.0 | 1095.8 | 927.2  | 682.4  | 497.4  | 211.2  |
| G25.0 | 487.8 | 749.2 | 972.5  | 1164.8 | 1219.3 | 1119.9 | 933.6  | 682.6  | 496.1  | 205.2  |
| G26.0 | 484.8 | 750.5 | 986.1  | 1198.6 | 1255.8 | 1145.5 | 945.5  | 680.0  | 497.0  | 199.3  |
| G27.0 | 483.6 | 750.8 | 1001.8 | 1232.8 | 1291.5 | 1179.4 | 961.2  | 680.7  | 496.9  | 193.5  |
| G28.0 | 485.3 | 751.7 | 1020.1 | 1273.7 | 1334.6 | 1204.6 | 974.1  | 678.9  | 497.7  | 188.0  |
| G29.0 | 485.8 | 756.7 | 1036.4 | 1312.0 | 1391.4 | 1237.1 | 985.9  | 681.5  | 496.3  | 182.6  |
| G30.0 | 486.3 | 763.8 | 1051.6 | 1355.9 | 1450.0 | 1269.1 | 996.4  | 688.1  | 493.8  | 177.5  |
| G31.0 | 488.3 | 773.8 | 1065.0 | 1403.9 | 1511.9 | 1304.9 | 1007.3 | 693.5  | 490.2  | 172.7  |
| G32.0 | 491.8 | 783.6 | 1075.6 | 1452.8 | 1568.9 | 1342.7 | 1021.3 | 702.6  | 485.9  | 168.3  |
| G33.0 | 496.3 | 794.2 | 1088.2 | 1513.2 | 1619.3 | 1376.4 | 1033.4 | 708.4  | 482.7  | 164.9  |
| G34.0 | 501.2 | 803.9 | 1104.9 | 1558.3 | 1656.1 | 1407.6 | 1041.1 | 711.1  | 481.2  | 161.7  |
| G35.0 | 506.0 | 812.8 | 1126.1 | 1590.5 | 1676.8 | 1427.0 | 1051.3 | 712.1  | 480.5  | 158.4  |
| G36.0 | 511.0 | 818.5 | 1147.6 | 1617.4 | 1684.4 | 1429.0 | 1057.0 | 714.4  | 481.4  | 155.1  |

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 | 511.5 | 825.5 | 1167.3 | 1642.5 | 1690.3 | 1430.9 | 1056.2 | 713.1  | 480.7  | 152.0  |
| G38.0 | 507.3 | 829.9 | 1188.8 | 1661.2 | 1693.7 | 1433.8 | 1057.2 | 709.1  | 480.3  | 148.7  |
| G39.0 | 497.8 | 827.4 | 1204.0 | 1674.8 | 1684.2 | 1430.0 | 1060.7 | 705.3  | 481.8  | 145.9  |
| G40.0 | 492.5 | 823.1 | 1214.0 | 1673.2 | 1664.0 | 1428.1 | 1056.0 | 699.9  | 482.0  | 143.0  |
| G41.0 | 490.9 | 822.3 | 1223.0 | 1682.1 | 1645.1 | 1417.6 | 1054.0 | 699.1  | 481.4  | 140.1  |
| G42.0 | 488.3 | 821.8 | 1230.9 | 1669.6 | 1625.3 | 1409.0 | 1047.8 | 697.0  | 478.3  | 136.9  |
| G43.0 | 487.1 | 816.4 | 1230.3 | 1662.3 | 1611.9 | 1395.0 | 1039.3 | 697.5  | 474.3  | 133.8  |
| G44.0 | 486.5 | 810.3 | 1224.9 | 1652.0 | 1600.1 | 1383.0 | 1030.8 | 694.9  | 470.2  | 130.6  |
| G45.0 | 483.8 | 805.3 | 1220.6 | 1643.0 | 1568.4 | 1374.1 | 1016.7 | 691.6  | 466.2  | 127.7  |
| G46.0 | 480.4 | 801.6 | 1220.3 | 1623.7 | 1539.0 | 1354.1 | 1005.8 | 685.2  | 459.8  | 124.3  |
| G47.0 | 475.4 | 797.4 | 1212.8 | 1600.3 | 1510.5 | 1330.9 | 996.3  | 677.4  | 454.4  | 121.2  |
| G48.0 | 469.0 | 790.4 | 1209.1 | 1573.3 | 1478.6 | 1310.9 | 986.7  | 667.1  | 447.8  | 117.9  |
| G49.0 | 460.9 | 787.7 | 1202.8 | 1553.8 | 1446.6 | 1285.9 | 979.8  | 658.9  | 439.4  | 114.4  |
| G50.0 | 451.8 | 784.6 | 1193.4 | 1521.8 | 1409.9 | 1254.2 | 967.3  | 648.8  | 432.4  | 111.5  |
| G51.0 | 441.4 | 776.8 | 1185.5 | 1480.5 | 1386.7 | 1222.6 | 956.7  | 636.3  | 422.5  | 108.0  |
| G52.0 | 430.7 | 769.9 | 1178.6 | 1450.0 | 1370.9 | 1200.8 | 940.8  | 627.8  | 412.3  | 104.6  |
| G53.0 | 422.6 | 757.4 | 1168.8 | 1426.3 | 1325.4 | 1175.2 | 925.5  | 614.5  | 403.2  | 101.0  |
| G54.0 | 415.4 | 745.9 | 1153.4 | 1400.0 | 1275.4 | 1147.7 | 905.6  | 600.8  | 394.1  | 98.2   |
| G55.0 | 406.6 | 736.2 | 1131.4 | 1367.1 | 1226.5 | 1117.9 | 887.1  | 589.9  | 383.5  | 94.9   |
| G56.0 | 397.9 | 723.5 | 1116.1 | 1329.7 | 1183.9 | 1089.8 | 864.2  | 575.1  | 373.1  | 91.8   |
| G57.0 | 388.1 | 713.2 | 1093.9 | 1290.7 | 1148.0 | 1056.2 | 843.3  | 558.7  | 362.4  | 88.8   |
| G58.0 | 378.4 | 698.2 | 1076.6 | 1250.9 | 1110.5 | 1019.2 | 822.8  | 543.6  | 350.7  | 85.6   |
| G59.0 | 369.3 | 685.5 | 1058.7 | 1207.7 | 1088.7 | 984.7  | 799.5  | 530.3  | 338.2  | 82.2   |
| G60.0 | 359.8 | 668.7 | 1035.7 | 1168.0 | 1057.2 | 955.6  | 779.9  | 515.9  | 325.3  | 79.0   |
| G61.0 | 349.3 | 653.6 | 1009.9 | 1138.2 | 1012.0 | 924.3  | 755.3  | 500.9  | 313.9  | 76.0   |
| G62.0 | 339.5 | 636.7 | 985.1  | 1106.0 | 967.1  | 893.3  | 730.8  | 485.2  | 302.7  | 72.7   |
| G63.0 | 329.1 | 618.2 | 955.7  | 1070.0 | 943.6  | 857.0  | 706.4  | 469.1  | 292.5  | 69.8   |
| G64.0 | 319.2 | 599.9 | 932.3  | 1028.0 | 918.9  | 823.4  | 680.3  | 452.1  | 281.0  | 67.1   |
| G65.0 | 307.7 | 580.7 | 908.3  | 978.3  | 894.7  | 790.5  | 655.0  | 437.4  | 268.9  | 64.4   |
| G66.0 | 295.8 | 560.3 | 881.1  | 934.8  | 851.9  | 754.1  | 628.9  | 421.1  | 253.0  | 61.7   |
| G67.0 | 283.0 | 539.4 | 854.9  | 894.0  | 806.1  | 715.1  | 601.5  | 402.3  | 238.3  | 59.1   |
| G68.0 | 267.8 | 520.6 | 829.8  | 838.3  | 790.1  | 686.1  | 574.4  | 379.1  | 226.5  | 56.2   |
| G69.0 | 253.5 | 499.7 | 803.0  | 788.6  | 768.6  | 661.7  | 549.6  | 360.3  | 216.4  | 53.9   |
| G70.0 | 239.1 | 478.4 | 769.9  | 756.0  | 716.6  | 634.3  | 522.7  | 342.5  | 205.7  | 51.7   |
| G71.0 | 226.9 | 462.1 | 733.2  | 721.6  | 679.3  | 598.8  | 501.1  | 326.6  | 192.6  | 49.6   |
| G72.0 | 212.7 | 440.2 | 696.1  | 685.0  | 643.7  | 561.3  | 475.7  | 310.7  | 180.1  | 47.7   |
| G73.0 | 198.4 | 419.2 | 664.4  | 643.6  | 629.5  | 528.7  | 449.4  | 293.4  | 167.4  | 45.7   |

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 8.190 m

Humidity:

Inspector:

## Candlepower Table (Continue 2)

Unit: cd

| G\C    | C0.0  | C22.5 | C45.0 | C67.5 | C90.0 | C112.5 | C135.0 | C157.5 | C180.0 | C202.5 |
|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| G74.0  | 185.8 | 398.5 | 627.2 | 598.3 | 646.8 | 513.4  | 430.5  | 274.1  | 154.4  | 43.8   |
| G75.0  | 174.9 | 380.5 | 593.2 | 563.1 | 623.0 | 515.8  | 407.8  | 258.7  | 142.0  | 41.9   |
| G76.0  | 164.0 | 363.4 | 561.5 | 562.3 | 607.9 | 508.1  | 384.1  | 242.8  | 130.7  | 40.3   |
| G77.0  | 153.7 | 346.5 | 523.7 | 537.6 | 591.0 | 497.5  | 364.3  | 229.8  | 119.2  | 38.5   |
| G78.0  | 144.3 | 328.6 | 489.9 | 521.0 | 562.5 | 484.9  | 356.5  | 218.8  | 108.7  | 36.8   |
| G79.0  | 132.6 | 309.0 | 457.9 | 501.1 | 539.8 | 465.3  | 342.2  | 209.2  | 97.9   | 35.3   |
| G80.0  | 119.6 | 287.1 | 433.8 | 476.4 | 520.0 | 454.8  | 328.1  | 198.6  | 87.8   | 33.8   |
| G81.0  | 108.2 | 264.9 | 410.1 | 452.8 | 515.4 | 446.5  | 313.7  | 190.4  | 78.1   | 32.3   |
| G82.0  | 98.0  | 244.9 | 386.5 | 441.7 | 510.1 | 439.4  | 301.8  | 181.3  | 68.4   | 30.8   |
| G83.0  | 89.2  | 226.0 | 367.2 | 431.9 | 505.7 | 433.0  | 292.7  | 169.9  | 59.3   | 29.3   |
| G84.0  | 80.2  | 209.6 | 341.8 | 423.9 | 495.1 | 439.7  | 279.4  | 157.0  | 51.2   | 27.6   |
| G85.0  | 70.9  | 195.3 | 325.0 | 420.3 | 507.7 | 421.3  | 260.5  | 142.7  | 43.8   | 26.3   |
| G86.0  | 62.6  | 182.7 | 322.7 | 434.0 | 490.4 | 383.4  | 251.7  | 130.4  | 37.7   | 25.0   |
| G87.0  | 55.5  | 168.6 | 316.1 | 410.5 | 448.1 | 377.7  | 248.2  | 119.9  | 32.5   | 23.5   |
| G88.0  | 49.0  | 153.1 | 287.1 | 391.3 | 441.3 | 374.4  | 245.4  | 110.3  | 28.4   | 22.3   |
| G89.0  | 42.7  | 141.7 | 277.5 | 400.7 | 435.3 | 358.9  | 230.6  | 100.1  | 24.9   | 20.9   |
| G90.0  | 37.1  | 129.5 | 269.8 | 387.5 | 413.6 | 338.7  | 211.3  | 88.0   | 22.0   | 19.7   |
| G91.0  | 32.1  | 119.6 | 267.4 | 370.4 | 383.7 | 294.1  | 192.1  | 78.4   | 19.6   | 18.4   |
| G92.0  | 27.7  | 109.9 | 249.0 | 346.6 | 297.6 | 245.2  | 159.0  | 69.4   | 17.8   | 17.2   |
| G93.0  | 24.1  | 99.4  | 228.5 | 280.4 | 294.3 | 277.7  | 148.3  | 59.6   | 16.5   | 16.1   |
| G94.0  | 21.1  | 89.1  | 207.0 | 259.2 | 345.7 | 273.5  | 150.7  | 51.8   | 15.5   | 15.1   |
| G95.0  | 18.8  | 79.9  | 163.7 | 302.7 | 316.6 | 244.2  | 133.0  | 48.1   | 14.7   | 14.3   |
| G96.0  | 17.2  | 69.7  | 162.0 | 274.7 | 287.2 | 222.3  | 117.8  | 43.9   | 14.1   | 13.2   |
| G97.0  | 15.8  | 58.5  | 160.1 | 249.3 | 252.7 | 197.0  | 102.2  | 39.4   | 13.6   | 12.6   |
| G98.0  | 14.9  | 52.0  | 141.9 | 221.4 | 231.4 | 176.1  | 86.8   | 35.9   | 13.2   | 11.9   |
| G99.0  | 14.2  | 48.5  | 122.9 | 200.6 | 209.0 | 152.8  | 77.1   | 32.4   | 12.8   | 11.3   |
| G100.0 | 13.5  | 43.2  | 106.3 | 173.2 | 182.4 | 136.8  | 67.9   | 29.8   | 12.5   | 10.8   |
| G101.0 | 13.1  | 38.7  | 89.9  | 155.3 | 168.7 | 122.8  | 61.1   | 27.8   | 12.1   | 10.4   |
| G102.0 | 12.7  | 34.7  | 79.3  | 134.2 | 146.3 | 114.9  | 52.5   | 25.9   | 11.9   | 10.0   |
| G103.0 | 12.3  | 31.5  | 69.0  | 126.5 | 146.0 | 94.8   | 47.7   | 24.3   | 11.6   | 9.7    |
| G104.0 | 12.0  | 29.3  | 61.1  | 111.0 | 115.5 | 84.9   | 42.8   | 23.0   | 11.4   | 9.4    |
| G105.0 | 11.8  | 27.2  | 52.9  | 94.1  | 105.8 | 75.4   | 38.8   | 22.1   | 11.2   | 9.2    |
| G106.0 | 11.5  | 25.4  | 47.4  | 84.5  | 93.6  | 67.1   | 34.9   | 21.2   | 11.1   | 9.1    |
| G107.0 | 11.2  | 23.8  | 42.7  | 75.2  | 85.8  | 59.4   | 32.2   | 20.7   | 10.9   | 8.9    |
| G108.0 | 11.1  | 22.4  | 38.0  | 67.1  | 74.8  | 52.6   | 30.8   | 20.1   | 10.7   | 8.9    |
| G109.0 | 10.9  | 21.2  | 34.1  | 58.8  | 67.2  | 46.3   | 29.3   | 19.8   | 10.6   | 8.7    |
| G110.0 | 10.7  | 20.4  | 31.4  | 52.4  | 59.0  | 42.3   | 28.1   | 19.3   | 10.4   | 8.8    |

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 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 | 10.6 | 19.8  | 29.8  | 46.7  | 53.2  | 40.1   | 27.1   | 18.8   | 10.2   | 8.7    |
| G112.0 | 10.5 | 19.3  | 28.5  | 43.1  | 49.1  | 38.6   | 26.1   | 18.3   | 10.1   | 8.6    |
| G113.0 | 10.4 | 18.8  | 27.3  | 40.6  | 45.8  | 37.2   | 25.4   | 18.3   | 10.0   | 8.7    |
| G114.0 | 10.3 | 18.4  | 26.3  | 39.1  | 43.9  | 35.6   | 24.6   | 17.8   | 9.8    | 8.7    |
| G115.0 | 10.2 | 17.9  | 25.4  | 37.5  | 42.6  | 33.8   | 24.0   | 17.3   | 9.6    | 8.6    |
| G116.0 | 10.1 | 17.5  | 24.6  | 36.3  | 41.1  | 32.2   | 23.4   | 17.2   | 9.5    | 8.7    |
| G117.0 | 9.9  | 17.0  | 23.7  | 34.2  | 39.4  | 30.6   | 23.0   | 16.8   | 9.4    | 8.7    |
| G118.0 | 9.9  | 16.6  | 23.0  | 32.5  | 37.4  | 29.7   | 22.5   | 16.6   | 9.3    | 8.7    |
| G119.0 | 9.7  | 16.3  | 22.5  | 31.0  | 35.0  | 29.2   | 22.1   | 16.4   | 9.1    | 8.7    |
| G120.0 | 9.5  | 16.0  | 22.1  | 30.0  | 33.4  | 28.5   | 22.1   | 16.1   | 9.0    | 8.8    |
| G121.0 | 9.4  | 15.8  | 21.7  | 29.5  | 32.7  | 28.3   | 21.7   | 16.2   | 9.0    | 8.8    |
| G122.0 | 9.3  | 15.5  | 21.5  | 28.7  | 32.1  | 27.8   | 21.7   | 15.9   | 8.9    | 8.8    |
| G123.0 | 9.2  | 15.3  | 21.1  | 28.5  | 32.0  | 27.9   | 21.5   | 15.6   | 8.8    | 8.8    |
| G124.0 | 9.1  | 15.0  | 20.9  | 28.2  | 31.5  | 27.3   | 21.4   | 15.7   | 8.8    | 8.8    |
| G125.0 | 9.0  | 14.7  | 20.7  | 27.9  | 31.0  | 27.2   | 21.4   | 15.6   | 8.7    | 8.9    |
| G126.0 | 8.9  | 14.5  | 20.4  | 27.6  | 30.8  | 27.1   | 21.0   | 15.4   | 8.7    | 8.9    |
| G127.0 | 8.9  | 14.2  | 20.2  | 27.1  | 30.5  | 27.2   | 21.1   | 15.4   | 8.7    | 8.9    |
| G128.0 | 8.8  | 14.2  | 20.0  | 26.9  | 30.3  | 27.0   | 20.9   | 15.3   | 8.7    | 9.0    |
| G129.0 | 8.7  | 14.0  | 19.8  | 26.8  | 30.5  | 27.2   | 20.7   | 15.3   | 8.7    | 9.0    |
| G130.0 | 8.7  | 13.8  | 19.6  | 26.5  | 30.2  | 27.1   | 20.7   | 15.2   | 8.8    | 9.0    |
| G131.0 | 8.7  | 13.7  | 19.4  | 26.4  | 30.2  | 27.0   | 20.5   | 15.3   | 8.8    | 9.1    |
| G132.0 | 8.7  | 13.6  | 19.2  | 26.2  | 30.1  | 27.0   | 20.2   | 15.1   | 8.8    | 9.1    |
| G133.0 | 8.7  | 13.6  | 19.1  | 25.9  | 30.1  | 26.8   | 20.4   | 15.1   | 8.8    | 9.1    |
| G134.0 | 8.7  | 13.5  | 18.9  | 25.6  | 29.8  | 26.6   | 20.3   | 15.2   | 8.9    | 9.1    |
| G135.0 | 8.7  | 13.4  | 18.7  | 25.6  | 29.7  | 26.6   | 19.8   | 15.3   | 8.9    | 9.1    |
| G136.0 | 8.7  | 13.4  | 18.5  | 25.3  | 29.5  | 26.3   | 19.8   | 15.3   | 8.9    | 9.2    |
| G137.0 | 8.7  | 13.4  | 18.3  | 25.0  | 29.3  | 26.0   | 19.8   | 15.4   | 9.0    | 9.1    |
| G138.0 | 8.7  | 13.3  | 18.0  | 24.8  | 29.1  | 25.8   | 19.8   | 15.3   | 9.0    | 9.2    |
| G139.0 | 8.9  | 13.4  | 18.0  | 24.2  | 28.3  | 25.6   | 19.6   | 15.4   | 9.0    | 9.2    |
| G140.0 | 8.9  | 13.4  | 17.8  | 23.7  | 28.1  | 25.1   | 19.7   | 15.5   | 9.1    | 9.2    |
| G141.0 | 8.9  | 13.4  | 17.7  | 23.5  | 27.3  | 24.7   | 19.5   | 15.4   | 9.1    | 9.2    |
| G142.0 | 8.9  | 13.4  | 17.6  | 23.2  | 26.6  | 24.4   | 19.3   | 15.4   | 9.0    | 9.2    |
| G143.0 | 9.0  | 13.5  | 17.6  | 22.9  | 25.9  | 24.3   | 19.0   | 15.3   | 9.0    | 9.2    |
| G144.0 | 9.0  | 13.4  | 17.6  | 22.4  | 25.5  | 23.8   | 18.9   | 15.3   | 9.0    | 9.1    |
| G145.0 | 9.0  | 13.4  | 17.5  | 22.1  | 24.8  | 23.5   | 18.8   | 15.3   | 8.9    | 9.0    |
| G146.0 | 9.0  | 13.4  | 17.5  | 21.5  | 24.4  | 22.9   | 18.6   | 15.3   | 8.8    | 8.8    |
| G147.0 | 9.0  | 13.3  | 17.4  | 21.2  | 23.8  | 22.4   | 18.5   | 14.9   | 8.7    | 8.7    |

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 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 | 9.0  | 13.3  | 17.3  | 20.7  | 23.4  | 22.4   | 18.1   | 14.8   | 8.7    | 8.7    |
| G149.0 | 9.0  | 13.2  | 17.3  | 20.4  | 22.8  | 21.9   | 18.0   | 14.6   | 8.6    | 8.6    |
| G150.0 | 8.9  | 13.1  | 17.1  | 20.3  | 22.6  | 21.4   | 17.5   | 14.5   | 8.5    | 8.5    |
| G151.0 | 8.9  | 13.0  | 16.8  | 19.6  | 22.0  | 21.0   | 17.1   | 14.2   | 8.4    | 8.4    |
| G152.0 | 8.8  | 12.8  | 16.5  | 19.5  | 21.6  | 20.7   | 16.9   | 14.0   | 8.2    | 8.3    |
| G153.0 | 8.8  | 12.6  | 16.2  | 19.6  | 21.0  | 20.2   | 16.6   | 13.9   | 8.0    | 8.3    |
| G154.0 | 8.7  | 12.4  | 15.9  | 19.0  | 20.1  | 19.5   | 16.3   | 13.6   | 7.8    | 8.1    |
| G155.0 | 8.6  | 12.2  | 15.5  | 18.7  | 19.6  | 18.9   | 15.6   | 13.5   | 7.5    | 7.9    |
| G156.0 | 8.5  | 12.0  | 15.2  | 18.7  | 19.1  | 18.2   | 15.3   | 13.4   | 7.2    | 7.5    |
| G157.0 | 8.4  | 11.7  | 14.8  | 18.2  | 18.4  | 17.6   | 14.8   | 13.2   | 7.0    | 7.1    |
| G158.0 | 8.3  | 11.4  | 14.4  | 17.5  | 17.8  | 17.2   | 14.6   | 12.8   | 6.8    | 7.0    |
| G159.0 | 8.1  | 11.2  | 14.0  | 17.4  | 17.4  | 16.4   | 14.4   | 12.4   | 6.7    | 6.8    |
| G160.0 | 8.0  | 10.9  | 13.6  | 16.8  | 16.8  | 15.8   | 14.0   | 12.4   | 6.5    | 6.7    |
| G161.0 | 7.8  | 10.5  | 13.2  | 16.6  | 16.2  | 15.4   | 13.5   | 12.0   | 6.3    | 6.6    |
| G162.0 | 7.6  | 10.2  | 12.8  | 16.0  | 15.7  | 14.7   | 13.2   | 11.9   | 6.2    | 6.5    |
| G163.0 | 7.5  | 9.8   | 12.4  | 15.5  | 15.2  | 14.3   | 12.9   | 11.8   | 6.0    | 6.4    |
| G164.0 | 7.3  | 9.5   | 12.0  | 14.6  | 15.0  | 13.8   | 12.4   | 11.3   | 5.8    | 6.2    |
| G165.0 | 7.1  | 9.1   | 11.6  | 14.0  | 14.6  | 13.4   | 12.3   | 10.8   | 5.6    | 6.1    |
| G166.0 | 6.9  | 8.7   | 11.2  | 13.4  | 14.0  | 13.0   | 11.9   | 10.2   | 5.5    | 5.9    |
| G167.0 | 6.8  | 8.3   | 10.7  | 13.2  | 13.8  | 12.7   | 11.4   | 9.8    | 5.3    | 5.8    |
| G168.0 | 6.6  | 7.9   | 10.2  | 12.5  | 13.2  | 12.0   | 10.7   | 9.3    | 5.2    | 5.7    |
| G169.0 | 6.5  | 7.5   | 9.6   | 11.6  | 12.6  | 11.9   | 10.1   | 8.9    | 5.0    | 5.7    |
| G170.0 | 6.3  | 7.2   | 9.0   | 11.0  | 12.1  | 11.6   | 9.7    | 8.6    | 4.9    | 5.6    |
| G171.0 | 6.1  | 6.9   | 8.4   | 10.4  | 11.3  | 10.9   | 8.9    | 8.3    | 4.8    | 5.5    |
| G172.0 | 6.0  | 6.8   | 8.0   | 10.1  | 10.7  | 9.1    | 8.0    | 8.0    | 4.7    | 5.4    |
| G173.0 | 6.0  | 6.6   | 7.6   | 9.4   | 9.5   | 8.4    | 7.3    | 7.1    | 4.8    | 5.3    |
| G174.0 | 5.9  | 6.5   | 7.5   | 8.5   | 7.7   | 7.0    | 6.9    | 6.4    | 4.9    | 5.2    |
| G175.0 | 5.7  | 6.5   | 7.3   | 7.6   | 6.3   | 6.2    | 5.8    | 5.8    | 5.1    | 5.2    |
| G176.0 | 5.6  | 6.4   | 7.1   | 7.0   | 6.1   | 5.9    | 5.1    | 5.2    | 5.1    | 5.3    |
| G177.0 | 5.3  | 6.3   | 6.7   | 6.3   | 5.6   | 5.6    | 4.8    | 5.2    | 5.1    | 5.7    |
| G178.0 | 5.3  | 6.0   | 6.5   | 6.0   | 5.7   | 5.2    | 5.0    | 5.1    | 5.2    | 5.8    |
| G179.0 | 5.2  | 5.9   | 6.4   | 6.4   | 6.0   | 5.5    | 4.9    | 4.9    | 5.2    | 6.0    |
| G180.0 | 5.2  | 6.0   | 6.5   | 6.1   | 6.2   | 5.5    | 5.0    | 5.2    | 5.2    | 5.9    |
|        |      |       |       |       |       |        |        |        |        |        |
|        |      |       |       |       |       |        |        |        |        |        |
|        |      |       |       |       |       |        |        |        |        |        |
|        |      |       |       |       |       |        |        |        |        |        |

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 5)

Unit: cd

| G\C   | C225.0 | C247.5 | C270.0 | C292.5 | C315.0 | C337.5 | C360.0 |  |  |  |
|-------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| G0.0  | 560.6  | 560.6  | 560.6  | 560.6  | 560.6  | 560.6  | 560.6  |  |  |  |
| G1.0  | 537.6  | 529.5  | 527.0  | 530.9  | 541.1  | 548.0  | 562.4  |  |  |  |
| G2.0  | 507.8  | 493.7  | 488.8  | 496.1  | 518.9  | 536.8  | 562.8  |  |  |  |
| G3.0  | 482.0  | 457.4  | 450.8  | 465.0  | 492.2  | 526.1  | 562.9  |  |  |  |
| G4.0  | 453.7  | 423.2  | 414.4  | 431.3  | 466.5  | 511.9  | 561.2  |  |  |  |
| G5.0  | 425.8  | 382.5  | 369.3  | 395.8  | 438.6  | 491.7  | 556.6  |  |  |  |
| G6.0  | 395.8  | 340.4  | 324.9  | 354.5  | 412.2  | 474.2  | 550.4  |  |  |  |
| G7.0  | 362.3  | 298.7  | 282.6  | 309.7  | 380.1  | 460.9  | 545.3  |  |  |  |
| G8.0  | 329.1  | 265.8  | 256.2  | 273.9  | 346.7  | 448.3  | 542.3  |  |  |  |
| G9.0  | 297.3  | 246.1  | 241.1  | 251.4  | 315.1  | 433.8  | 539.6  |  |  |  |
| G10.0 | 269.0  | 231.8  | 225.3  | 237.1  | 283.8  | 418.8  | 537.7  |  |  |  |
| G11.0 | 246.7  | 216.0  | 208.7  | 221.1  | 259.0  | 406.7  | 534.7  |  |  |  |
| G12.0 | 230.4  | 200.6  | 191.6  | 206.1  | 241.4  | 395.6  | 530.8  |  |  |  |
| G13.0 | 217.3  | 184.8  | 175.7  | 190.9  | 229.6  | 381.5  | 526.6  |  |  |  |
| G14.0 | 205.2  | 168.4  | 160.8  | 176.3  | 218.4  | 364.2  | 523.6  |  |  |  |
| G15.0 | 193.0  | 154.6  | 146.5  | 162.4  | 209.1  | 345.4  | 520.9  |  |  |  |
| G16.0 | 180.9  | 142.1  | 133.2  | 149.3  | 197.5  | 329.6  | 517.5  |  |  |  |
| G17.0 | 168.2  | 128.9  | 121.3  | 136.5  | 184.3  | 311.0  | 513.6  |  |  |  |
| G18.0 | 156.4  | 117.9  | 111.5  | 124.8  | 171.5  | 294.2  | 509.9  |  |  |  |
| G19.0 | 145.8  | 108.2  | 102.0  | 114.9  | 160.1  | 277.5  | 507.1  |  |  |  |
| G20.0 | 135.2  | 98.6   | 92.6   | 105.3  | 148.2  | 262.8  | 504.1  |  |  |  |
| G21.0 | 126.2  | 90.0   | 84.8   | 96.2   | 138.3  | 250.3  | 501.5  |  |  |  |
| G22.0 | 117.6  | 82.0   | 77.0   | 87.8   | 128.3  | 237.3  | 497.7  |  |  |  |
| G23.0 | 109.4  | 74.6   | 70.1   | 80.3   | 117.8  | 226.8  | 495.9  |  |  |  |
| G24.0 | 102.1  | 67.8   | 63.6   | 73.3   | 111.2  | 218.2  | 491.7  |  |  |  |
| G25.0 | 95.1   | 61.5   | 57.6   | 66.6   | 103.1  | 212.2  | 487.8  |  |  |  |
| G26.0 | 88.7   | 55.6   | 52.7   | 60.5   | 95.7   | 208.1  | 484.8  |  |  |  |
| G27.0 | 82.9   | 50.9   | 48.4   | 55.2   | 89.0   | 204.7  | 483.6  |  |  |  |
| G28.0 | 77.6   | 46.8   | 43.8   | 50.4   | 83.0   | 200.1  | 485.3  |  |  |  |
| G29.0 | 72.5   | 42.8   | 40.0   | 46.4   | 77.0   | 195.5  | 485.8  |  |  |  |
| G30.0 | 67.5   | 38.9   | 37.4   | 42.1   | 72.2   | 190.4  | 486.3  |  |  |  |
| G31.0 | 63.1   | 35.9   | 35.4   | 38.3   | 67.4   | 186.7  | 488.3  |  |  |  |
| G32.0 | 58.9   | 33.7   | 32.8   | 35.5   | 63.1   | 182.7  | 491.8  |  |  |  |
| G33.0 | 55.0   | 31.3   | 30.5   | 33.3   | 58.2   | 179.1  | 496.3  |  |  |  |
| G34.0 | 51.6   | 28.8   | 29.1   | 31.4   | 54.9   | 175.1  | 501.2  |  |  |  |
| G35.0 | 48.2   | 27.2   | 27.4   | 28.7   | 51.2   | 172.8  | 506.0  |  |  |  |
| G36.0 | 45.0   | 25.3   | 25.2   | 26.3   | 48.0   | 169.6  | 511.0  |  |  |  |

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 8.190 m

Humidity:

Inspector:



## Candlepower Table (Continue 6)

Unit: cd

| G\C   | C225.0 | C247.5 | C270.0 | C292.5 | C315.0 | C337.5 | C360.0 |  |  |  |
|-------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| G37.0 | 42.1   | 23.6   | 23.2   | 24.9   | 45.0   | 166.5  | 511.5  |  |  |  |
| G38.0 | 39.9   | 21.5   | 21.6   | 23.2   | 42.1   | 163.8  | 507.3  |  |  |  |
| G39.0 | 37.6   | 20.0   | 19.5   | 21.4   | 39.4   | 161.1  | 497.8  |  |  |  |
| G40.0 | 35.6   | 18.2   | 18.5   | 19.8   | 37.2   | 158.0  | 492.5  |  |  |  |
| G41.0 | 33.4   | 16.6   | 16.6   | 18.2   | 35.3   | 154.6  | 490.9  |  |  |  |
| G42.0 | 31.4   | 15.4   | 14.9   | 16.5   | 33.3   | 151.6  | 488.3  |  |  |  |
| G43.0 | 29.7   | 13.9   | 13.4   | 14.9   | 31.5   | 148.6  | 487.1  |  |  |  |
| G44.0 | 28.0   | 12.2   | 11.6   | 13.9   | 29.5   | 145.6  | 486.5  |  |  |  |
| G45.0 | 26.1   | 10.9   | 10.2   | 12.2   | 28.0   | 143.8  | 483.8  |  |  |  |
| G46.0 | 24.5   | 9.6    | 8.1    | 10.7   | 26.8   | 140.9  | 480.4  |  |  |  |
| G47.0 | 23.0   | 7.7    | 6.4    | 9.4    | 24.9   | 138.3  | 475.4  |  |  |  |
| G48.0 | 21.5   | 6.2    | 4.5    | 7.7    | 23.8   | 133.9  | 469.0  |  |  |  |
| G49.0 | 20.1   | 4.8    | 2.5    | 6.5    | 22.3   | 130.9  | 460.9  |  |  |  |
| G50.0 | 18.7   | 3.1    | 1.0    | 5.0    | 21.1   | 127.8  | 451.8  |  |  |  |
| G51.0 | 17.4   | 1.6    | 1.1    | 3.3    | 19.8   | 124.3  | 441.4  |  |  |  |
| G52.0 | 16.1   | 1.3    | 1.1    | 1.7    | 18.6   | 120.8  | 430.7  |  |  |  |
| G53.0 | 14.9   | 1.0    | 1.1    | 0.6    | 17.0   | 116.9  | 422.6  |  |  |  |
| G54.0 | 13.7   | 1.3    | 1.1    | 0.4    | 15.9   | 114.2  | 415.4  |  |  |  |
| G55.0 | 12.5   | 1.1    | 1.3    | 0.7    | 15.2   | 110.9  | 406.6  |  |  |  |
| G56.0 | 11.3   | 1.5    | 1.2    | 0.6    | 13.8   | 107.8  | 397.9  |  |  |  |
| G57.0 | 10.2   | 1.3    | 1.3    | 0.7    | 12.8   | 104.6  | 388.1  |  |  |  |
| G58.0 | 9.4    | 1.6    | 1.4    | 0.6    | 11.9   | 100.8  | 378.4  |  |  |  |
| G59.0 | 9.0    | 1.4    | 1.3    | 0.7    | 10.6   | 97.6   | 369.3  |  |  |  |
| G60.0 | 8.7    | 1.6    | 1.6    | 0.7    | 9.7    | 94.4   | 359.8  |  |  |  |
| G61.0 | 8.5    | 1.6    | 1.6    | 0.6    | 8.9    | 90.8   | 349.3  |  |  |  |
| G62.0 | 8.3    | 1.7    | 1.4    | 0.9    | 8.6    | 87.2   | 339.5  |  |  |  |
| G63.0 | 8.1    | 1.7    | 1.5    | 1.0    | 8.6    | 83.9   | 329.1  |  |  |  |
| G64.0 | 7.8    | 1.7    | 1.9    | 0.9    | 8.3    | 79.8   | 319.2  |  |  |  |
| G65.0 | 7.6    | 1.8    | 1.8    | 0.8    | 8.2    | 75.8   | 307.7  |  |  |  |
| G66.0 | 7.4    | 1.8    | 1.8    | 1.1    | 8.2    | 72.1   | 295.8  |  |  |  |
| G67.0 | 7.3    | 1.9    | 2.0    | 0.9    | 8.2    | 68.8   | 283.0  |  |  |  |
| G68.0 | 7.1    | 1.9    | 1.9    | 1.2    | 8.4    | 65.5   | 267.8  |  |  |  |
| G69.0 | 7.0    | 1.8    | 1.9    | 1.4    | 8.9    | 62.7   | 253.5  |  |  |  |
| G70.0 | 6.9    | 2.2    | 2.2    | 1.2    | 9.4    | 59.8   | 239.1  |  |  |  |
| G71.0 | 6.8    | 1.9    | 2.0    | 1.3    | 9.6    | 58.1   | 226.9  |  |  |  |
| G72.0 | 6.6    | 2.3    | 2.2    | 1.4    | 9.7    | 56.2   | 212.7  |  |  |  |
| G73.0 | 6.5    | 2.2    | 1.9    | 1.5    | 9.9    | 54.4   | 198.4  |  |  |  |

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 8.190 m

Humidity:

Inspector:



## Candlepower Table (Continue 7)

Unit: cd

| G\C    | C225.0 | C247.5 | C270.0 | C292.5 | C315.0 | C337.5 | C360.0 |  |  |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| G74.0  | 6.5    | 2.1    | 2.2    | 1.5    | 9.4    | 52.1   | 185.8  |  |  |  |
| G75.0  | 6.4    | 2.4    | 2.4    | 1.5    | 9.0    | 51.4   | 174.9  |  |  |  |
| G76.0  | 6.3    | 2.5    | 2.5    | 1.7    | 8.2    | 48.7   | 164.0  |  |  |  |
| G77.0  | 6.2    | 2.6    | 2.5    | 1.8    | 7.6    | 46.9   | 153.7  |  |  |  |
| G78.0  | 6.2    | 2.7    | 2.6    | 2.0    | 6.6    | 45.1   | 144.3  |  |  |  |
| G79.0  | 6.1    | 2.7    | 2.8    | 1.8    | 6.3    | 44.1   | 132.6  |  |  |  |
| G80.0  | 6.1    | 2.7    | 2.8    | 2.0    | 6.3    | 43.3   | 119.6  |  |  |  |
| G81.0  | 6.1    | 3.0    | 2.9    | 2.2    | 6.2    | 42.2   | 108.2  |  |  |  |
| G82.0  | 6.0    | 3.1    | 2.8    | 2.3    | 6.4    | 41.2   | 98.0   |  |  |  |
| G83.0  | 6.0    | 3.1    | 2.9    | 2.3    | 6.4    | 38.0   | 89.2   |  |  |  |
| G84.0  | 5.9    | 3.5    | 3.3    | 2.4    | 6.3    | 34.6   | 80.2   |  |  |  |
| G85.0  | 5.9    | 3.4    | 3.4    | 2.4    | 6.1    | 31.7   | 70.9   |  |  |  |
| G86.0  | 5.9    | 3.4    | 3.5    | 2.5    | 6.0    | 29.5   | 62.6   |  |  |  |
| G87.0  | 5.9    | 3.5    | 3.4    | 2.7    | 5.8    | 27.9   | 55.5   |  |  |  |
| G88.0  | 5.8    | 3.7    | 3.8    | 2.7    | 5.8    | 26.9   | 49.0   |  |  |  |
| G89.0  | 5.8    | 3.7    | 3.5    | 2.9    | 5.6    | 25.7   | 42.7   |  |  |  |
| G90.0  | 5.8    | 3.6    | 3.8    | 2.8    | 5.7    | 24.3   | 37.1   |  |  |  |
| G91.0  | 5.8    | 4.1    | 4.0    | 3.1    | 5.5    | 22.6   | 32.1   |  |  |  |
| G92.0  | 5.9    | 4.3    | 4.2    | 3.0    | 5.8    | 21.3   | 27.7   |  |  |  |
| G93.0  | 5.8    | 4.5    | 4.4    | 3.3    | 5.3    | 20.4   | 24.1   |  |  |  |
| G94.0  | 5.9    | 4.5    | 4.5    | 3.4    | 5.5    | 19.0   | 21.1   |  |  |  |
| G95.0  | 5.9    | 4.5    | 4.5    | 3.6    | 5.5    | 17.9   | 18.8   |  |  |  |
| G96.0  | 5.9    | 5.1    | 4.6    | 3.6    | 5.3    | 16.9   | 17.2   |  |  |  |
| G97.0  | 6.0    | 5.0    | 4.7    | 3.9    | 5.3    | 15.9   | 15.8   |  |  |  |
| G98.0  | 6.0    | 5.1    | 4.9    | 4.0    | 5.6    | 15.0   | 14.9   |  |  |  |
| G99.0  | 6.0    | 5.1    | 5.0    | 4.0    | 5.4    | 14.4   | 14.2   |  |  |  |
| G100.0 | 6.0    | 5.2    | 5.3    | 4.1    | 5.5    | 13.5   | 13.5   |  |  |  |
| G101.0 | 6.0    | 5.7    | 5.2    | 4.4    | 5.5    | 13.2   | 13.1   |  |  |  |
| G102.0 | 6.1    | 5.9    | 5.4    | 4.3    | 5.5    | 12.3   | 12.7   |  |  |  |
| G103.0 | 6.1    | 6.0    | 5.6    | 4.7    | 5.5    | 11.7   | 12.3   |  |  |  |
| G104.0 | 6.2    | 5.9    | 5.6    | 4.6    | 5.5    | 11.5   | 12.0   |  |  |  |
| G105.0 | 6.3    | 6.2    | 5.9    | 4.8    | 5.5    | 11.0   | 11.8   |  |  |  |
| G106.0 | 6.3    | 6.2    | 6.2    | 5.1    | 5.5    | 10.7   | 11.5   |  |  |  |
| G107.0 | 6.4    | 6.5    | 6.4    | 5.2    | 5.8    | 10.0   | 11.2   |  |  |  |
| G108.0 | 6.5    | 6.7    | 6.5    | 5.3    | 5.8    | 10.1   | 11.1   |  |  |  |
| G109.0 | 6.5    | 6.7    | 6.8    | 5.3    | 5.8    | 10.1   | 10.9   |  |  |  |
| G110.0 | 6.6    | 6.7    | 6.8    | 5.6    | 5.8    | 9.4    | 10.7   |  |  |  |

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 8)

Unit: cd

| G\C    | C225.0 | C247.5 | C270.0 | C292.5 | C315.0 | C337.5 | C360.0 |  |  |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| G111.0 | 6.7    | 7.0    | 6.9    | 5.8    | 5.9    | 9.6    | 10.6   |  |  |  |
| G112.0 | 6.8    | 7.2    | 6.9    | 5.9    | 5.9    | 9.4    | 10.5   |  |  |  |
| G113.0 | 6.9    | 7.1    | 7.3    | 6.0    | 6.1    | 9.1    | 10.4   |  |  |  |
| G114.0 | 7.0    | 7.4    | 7.4    | 6.2    | 6.0    | 9.4    | 10.3   |  |  |  |
| G115.0 | 7.0    | 7.8    | 7.4    | 6.2    | 6.2    | 9.3    | 10.2   |  |  |  |
| G116.0 | 7.2    | 7.7    | 7.9    | 6.3    | 6.4    | 9.3    | 10.1   |  |  |  |
| G117.0 | 7.2    | 7.9    | 7.7    | 6.4    | 6.3    | 9.2    | 9.9    |  |  |  |
| G118.0 | 7.4    | 8.2    | 7.8    | 6.6    | 6.5    | 9.2    | 9.9    |  |  |  |
| G119.0 | 7.5    | 8.1    | 7.8    | 6.8    | 6.7    | 9.0    | 9.7    |  |  |  |
| G120.0 | 7.7    | 8.1    | 8.2    | 6.9    | 6.5    | 9.1    | 9.5    |  |  |  |
| G121.0 | 7.9    | 8.5    | 8.2    | 6.9    | 6.7    | 9.3    | 9.4    |  |  |  |
| G122.0 | 8.1    | 8.5    | 8.4    | 7.1    | 6.7    | 9.3    | 9.3    |  |  |  |
| G123.0 | 8.2    | 8.7    | 8.3    | 7.1    | 6.6    | 9.2    | 9.2    |  |  |  |
| G124.0 | 8.3    | 8.4    | 8.4    | 7.4    | 6.7    | 9.3    | 9.1    |  |  |  |
| G125.0 | 8.5    | 8.8    | 8.6    | 7.2    | 6.9    | 9.6    | 9.0    |  |  |  |
| G126.0 | 8.6    | 8.5    | 8.8    | 7.4    | 7.2    | 9.4    | 8.9    |  |  |  |
| G127.0 | 8.7    | 8.9    | 8.7    | 7.6    | 7.2    | 9.7    | 8.9    |  |  |  |
| G128.0 | 8.9    | 8.9    | 8.8    | 7.5    | 7.3    | 9.8    | 8.8    |  |  |  |
| G129.0 | 9.0    | 8.6    | 9.0    | 7.5    | 7.2    | 9.8    | 8.7    |  |  |  |
| G130.0 | 9.2    | 9.0    | 8.9    | 7.6    | 7.3    | 10.0   | 8.7    |  |  |  |
| G131.0 | 9.3    | 9.1    | 8.9    | 7.6    | 7.3    | 10.0   | 8.7    |  |  |  |
| G132.0 | 9.5    | 9.1    | 9.2    | 7.9    | 7.6    | 10.3   | 8.7    |  |  |  |
| G133.0 | 9.5    | 9.2    | 9.1    | 8.1    | 7.7    | 10.4   | 8.7    |  |  |  |
| G134.0 | 9.6    | 9.2    | 9.2    | 7.9    | 8.0    | 10.8   | 8.7    |  |  |  |
| G135.0 | 9.7    | 9.1    | 9.2    | 8.0    | 8.0    | 10.7   | 8.7    |  |  |  |
| G136.0 | 9.8    | 9.4    | 9.2    | 7.9    | 8.0    | 10.9   | 8.7    |  |  |  |
| G137.0 | 9.8    | 9.6    | 9.0    | 8.3    | 8.0    | 11.0   | 8.7    |  |  |  |
| G138.0 | 9.8    | 9.6    | 9.3    | 7.9    | 8.0    | 10.9   | 8.7    |  |  |  |
| G139.0 | 9.9    | 10.0   | 9.3    | 8.2    | 8.2    | 11.1   | 8.9    |  |  |  |
| G140.0 | 9.9    | 9.7    | 9.5    | 8.2    | 8.5    | 11.0   | 8.9    |  |  |  |
| G141.0 | 9.9    | 9.6    | 9.2    | 8.1    | 8.6    | 11.2   | 8.9    |  |  |  |
| G142.0 | 9.9    | 10.3   | 9.3    | 8.1    | 8.8    | 11.3   | 8.9    |  |  |  |
| G143.0 | 9.9    | 10.2   | 9.4    | 8.2    | 8.9    | 11.4   | 9.0    |  |  |  |
| G144.0 | 9.9    | 10.1   | 9.4    | 8.4    | 9.0    | 11.5   | 9.0    |  |  |  |
| G145.0 | 9.8    | 9.9    | 9.5    | 8.4    | 9.0    | 11.5   | 9.0    |  |  |  |
| G146.0 | 9.6    | 10.0   | 9.3    | 8.3    | 9.2    | 11.6   | 9.0    |  |  |  |
| G147.0 | 9.4    | 9.9    | 9.6    | 8.2    | 9.4    | 11.7   | 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 9)

Unit: cd

| G\C    | C225.0 | C247.5 | C270.0 | C292.5 | C315.0 | C337.5 | C360.0 |  |  |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| G148.0 | 9.2    | 9.6    | 9.4    | 8.3    | 9.6    | 11.9   | 9.0    |  |  |  |
| G149.0 | 9.0    | 9.9    | 9.3    | 8.4    | 9.9    | 11.9   | 9.0    |  |  |  |
| G150.0 | 8.7    | 9.7    | 9.0    | 8.4    | 10.0   | 11.8   | 8.9    |  |  |  |
| G151.0 | 8.4    | 9.3    | 9.0    | 8.3    | 9.6    | 11.9   | 8.9    |  |  |  |
| G152.0 | 8.1    | 9.3    | 9.1    | 8.4    | 10.2   | 11.7   | 8.8    |  |  |  |
| G153.0 | 8.1    | 9.0    | 9.1    | 8.0    | 10.0   | 11.6   | 8.8    |  |  |  |
| G154.0 | 8.1    | 9.2    | 9.2    | 8.2    | 10.1   | 11.6   | 8.7    |  |  |  |
| G155.0 | 8.1    | 9.2    | 9.1    | 8.1    | 10.3   | 11.7   | 8.6    |  |  |  |
| G156.0 | 8.0    | 8.8    | 9.0    | 7.9    | 10.3   | 11.6   | 8.5    |  |  |  |
| G157.0 | 7.9    | 9.1    | 9.0    | 8.1    | 10.3   | 11.6   | 8.4    |  |  |  |
| G158.0 | 7.7    | 8.6    | 8.5    | 7.9    | 9.8    | 11.6   | 8.3    |  |  |  |
| G159.0 | 7.4    | 8.9    | 8.6    | 7.8    | 9.7    | 11.5   | 8.1    |  |  |  |
| G160.0 | 7.2    | 8.5    | 8.9    | 7.6    | 9.2    | 11.4   | 8.0    |  |  |  |
| G161.0 | 7.1    | 8.4    | 8.7    | 7.6    | 9.3    | 11.3   | 7.8    |  |  |  |
| G162.0 | 7.1    | 8.4    | 8.4    | 7.6    | 8.7    | 10.9   | 7.6    |  |  |  |
| G163.0 | 7.0    | 8.3    | 8.4    | 7.6    | 8.5    | 10.5   | 7.5    |  |  |  |
| G164.0 | 6.9    | 8.0    | 8.2    | 7.4    | 8.1    | 10.2   | 7.3    |  |  |  |
| G165.0 | 6.8    | 8.0    | 8.2    | 7.2    | 7.8    | 9.8    | 7.1    |  |  |  |
| G166.0 | 6.7    | 7.8    | 7.9    | 7.2    | 7.3    | 9.6    | 6.9    |  |  |  |
| G167.0 | 6.6    | 7.7    | 7.9    | 7.1    | 6.7    | 8.7    | 6.8    |  |  |  |
| G168.0 | 6.5    | 7.4    | 8.0    | 7.1    | 6.5    | 8.2    | 6.6    |  |  |  |
| G169.0 | 6.4    | 7.3    | 7.6    | 7.1    | 6.6    | 7.7    | 6.5    |  |  |  |
| G170.0 | 6.2    | 7.3    | 7.6    | 6.8    | 6.3    | 7.0    | 6.3    |  |  |  |
| G171.0 | 6.1    | 7.0    | 7.6    | 6.7    | 6.2    | 6.7    | 6.1    |  |  |  |
| G172.0 | 6.0    | 7.0    | 7.1    | 6.5    | 6.1    | 6.4    | 6.0    |  |  |  |
| G173.0 | 5.9    | 6.7    | 6.9    | 6.5    | 6.2    | 6.2    | 6.0    |  |  |  |
| G174.0 | 5.8    | 6.7    | 6.8    | 6.4    | 6.0    | 5.8    | 5.9    |  |  |  |
| G175.0 | 5.7    | 6.4    | 6.9    | 6.1    | 5.8    | 5.7    | 5.7    |  |  |  |
| G176.0 | 5.6    | 6.2    | 6.4    | 6.1    | 5.8    | 5.8    | 5.6    |  |  |  |
| G177.0 | 5.5    | 6.0    | 6.4    | 6.0    | 5.5    | 5.6    | 5.3    |  |  |  |
| G178.0 | 5.8    | 6.0    | 6.4    | 5.8    | 5.3    | 5.4    | 5.3    |  |  |  |
| G179.0 | 6.4    | 5.6    | 6.3    | 5.6    | 5.2    | 5.3    | 5.2    |  |  |  |
| G180.0 | 6.4    | 6.0    | 5.9    | 5.8    | 5.2    | 5.0    | 5.2    |  |  |  |
|        |        |        |        |        |        |        |        |  |  |  |
|        |        |        |        |        |        |        |        |  |  |  |
|        |        |        |        |        |        |        |        |  |  |  |
|        |        |        |        |        |        |        |        |  |  |  |

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: