

Report No.:

Test Time: 2023/12/1 星期五 11:45

## Luminaire Property

Luminaire Manufacturer:

Voltage: 120.1 V

Power: 87.54 W

Current: 0.734 A

Power Factor: 0.993

## Photometric Results

IES Classification: Type IV

Total Rated Lamp Lumens: 12451.2 lm

Efficiency: 100%

Upward Ratio: 6%

Central Intensity: 2733.03 cd

Pos of Max. Intensity: H90 V40

Longitudinal Classification: Very Short

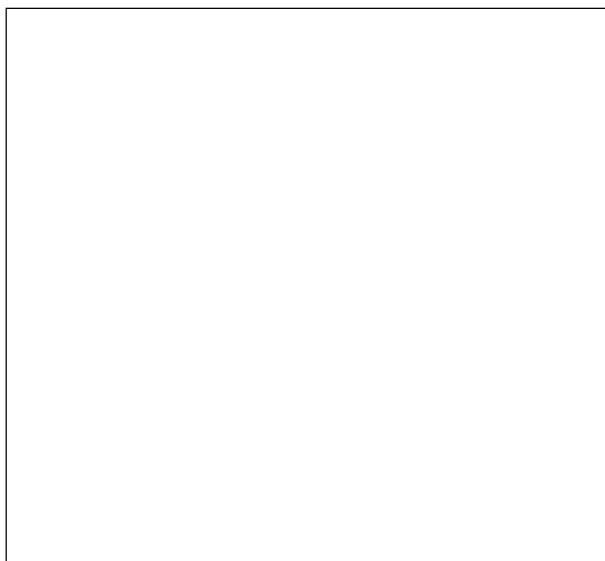
Measurement Flux: 12451.2 lm

Downward Ratio: 94%

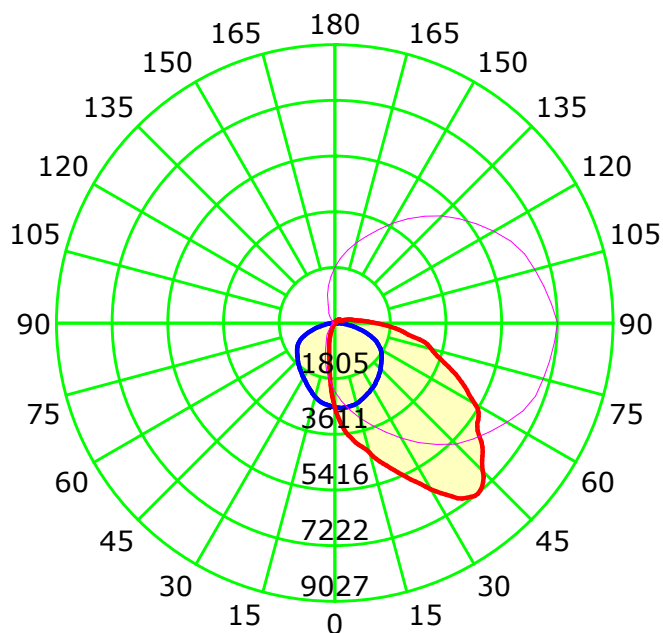
Luminaire Efficacy Rating (LER): 142.28

Max. Intensity: 7222.04 cd

Picture Of Luminaire



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

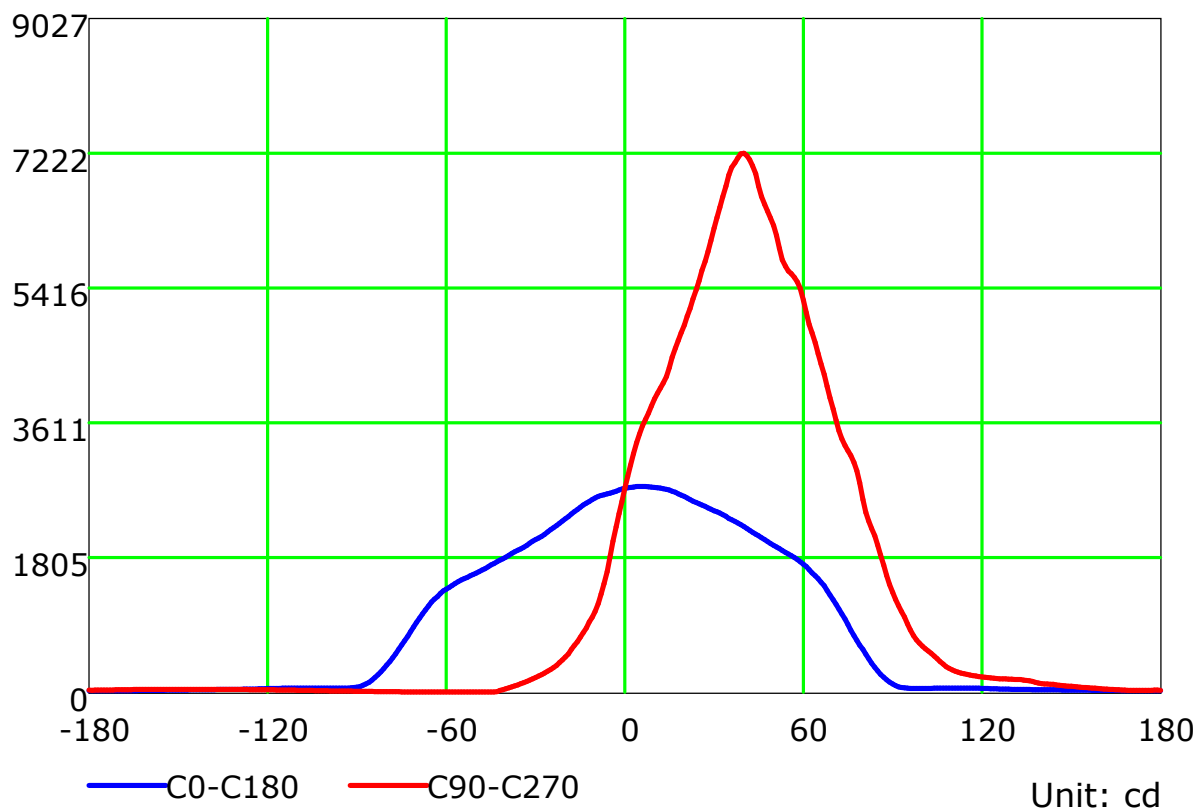
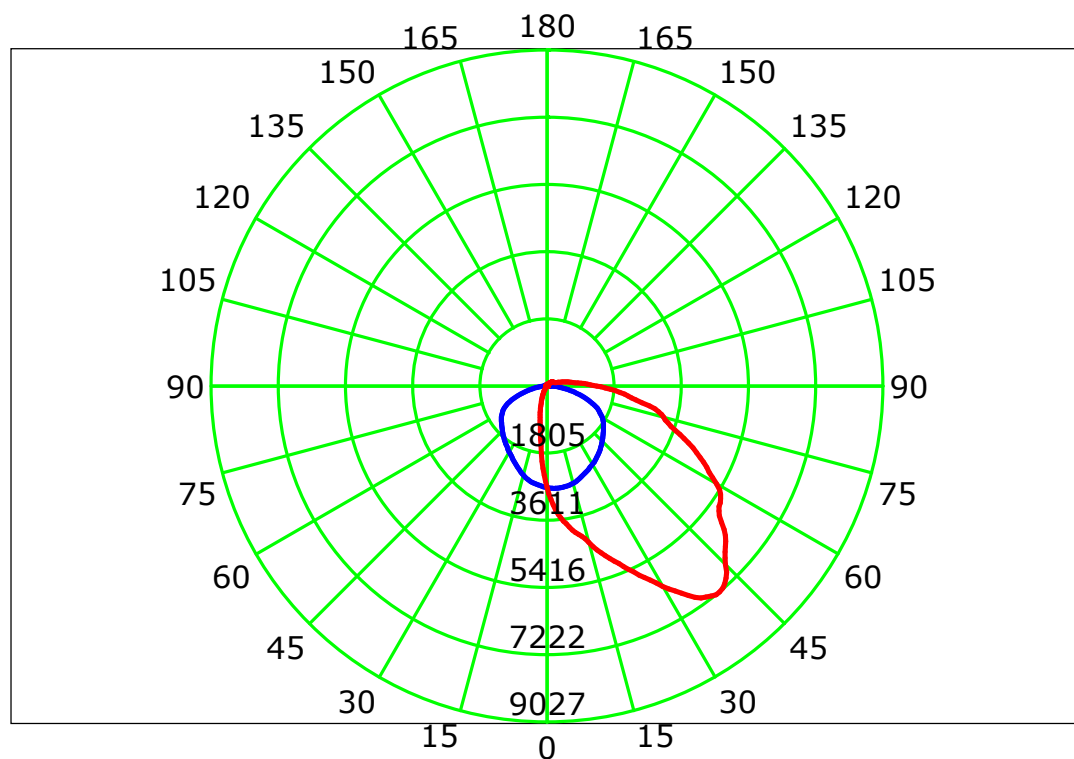
Test Device: GPM-1800B

Distance: 8.190 m

Humidity:

Inspector:

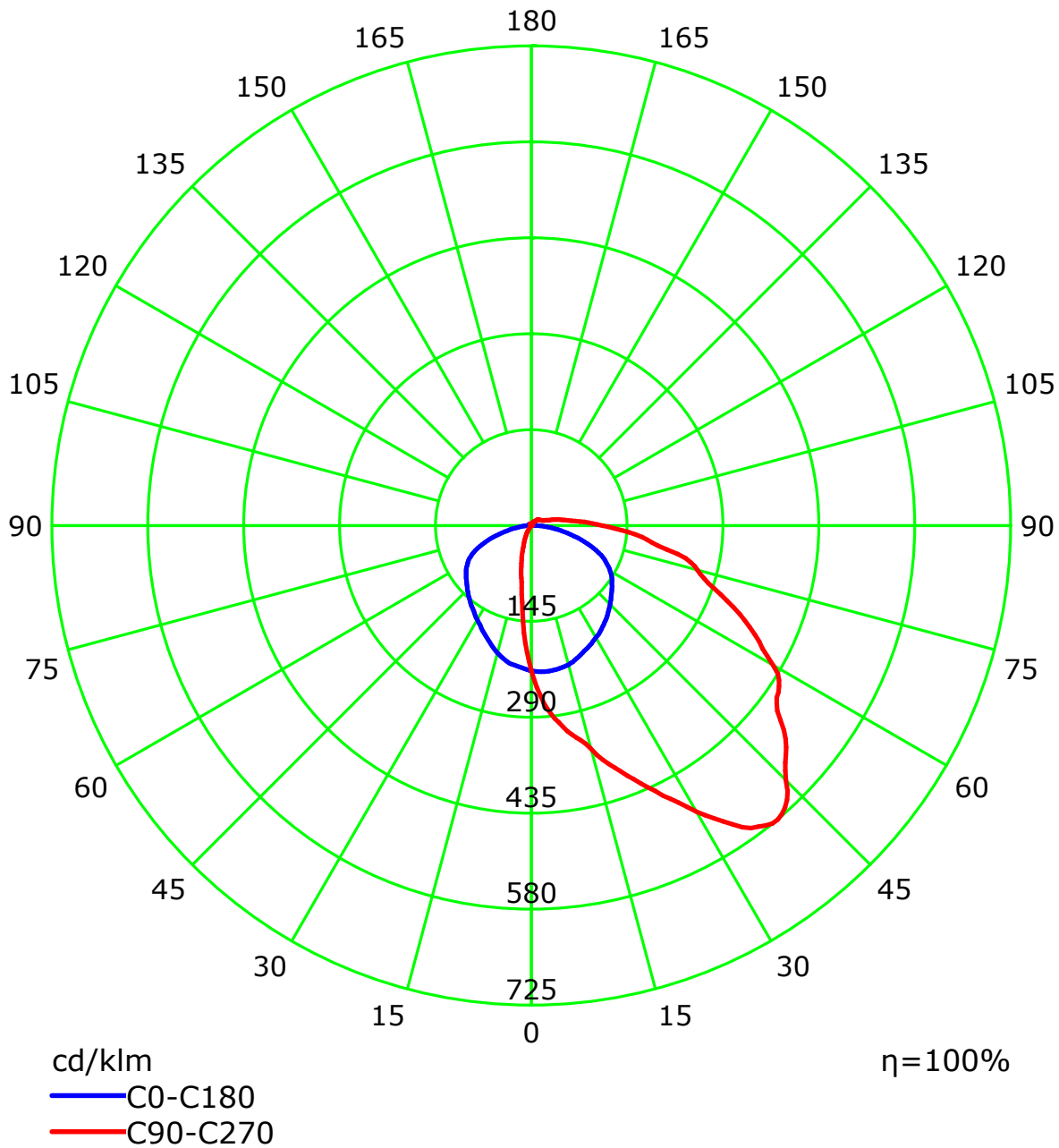
## Luminous Intensity Distribution Curve



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:

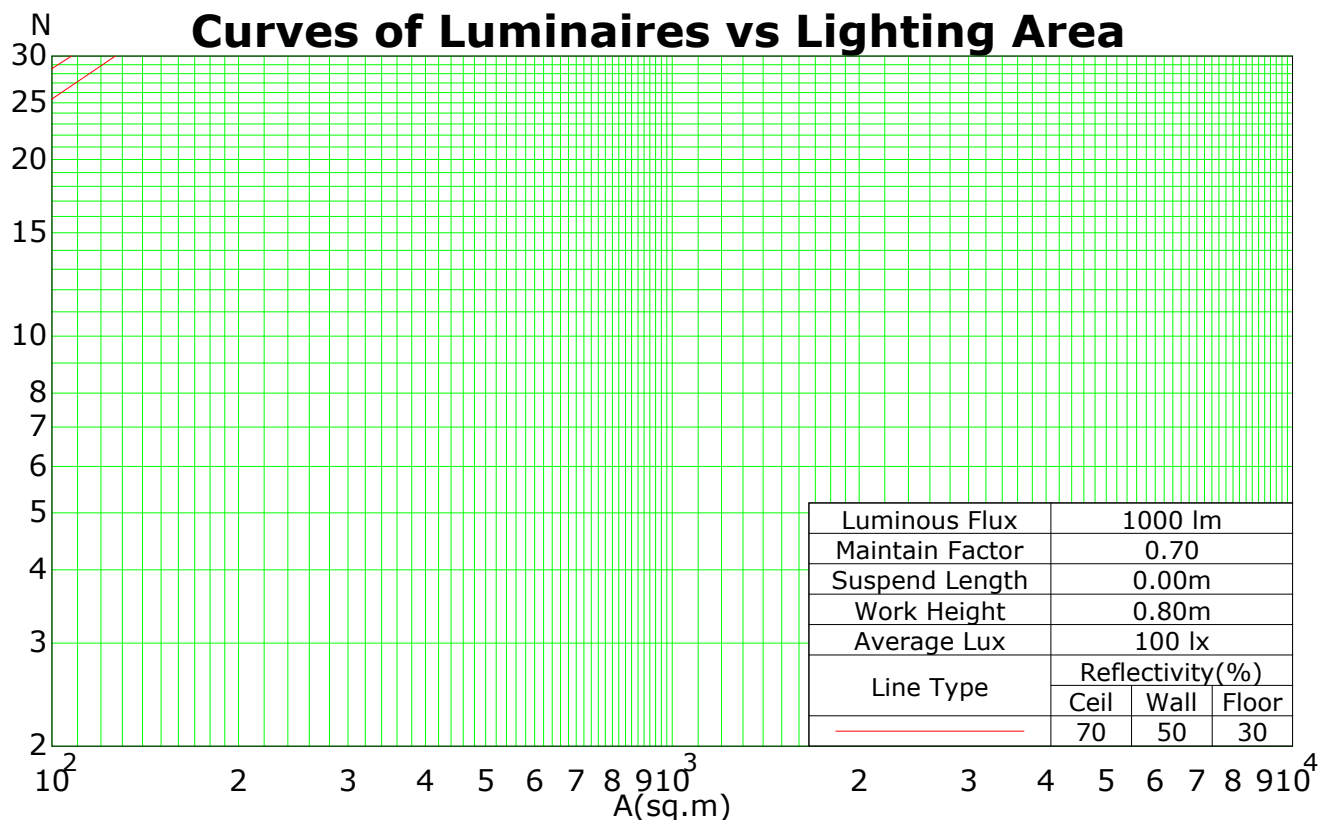
## Coefficients Of Utilization - Zonal Cavity Method

|     |          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|-----|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| 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   | 118      | 118 | 118 | 118 | 114 | 114 | 114 | 114 | 108 | 108 | 108 | 102 | 102 | 102 | 96  | 96  | 96  | 94 |
| 1   | 105      | 99  | 93  | 89  | 101 | 96  | 91  | 87  | 90  | 86  | 83  | 85  | 82  | 79  | 80  | 78  | 75  | 73 |
| 2   | 94       | 84  | 76  | 69  | 90  | 82  | 74  | 68  | 77  | 71  | 65  | 73  | 67  | 63  | 69  | 64  | 61  | 58 |
| 3   | 84       | 73  | 63  | 56  | 81  | 70  | 62  | 55  | 66  | 59  | 53  | 63  | 57  | 51  | 59  | 54  | 50  | 47 |
| 4   | 77       | 63  | 54  | 46  | 74  | 62  | 52  | 45  | 58  | 50  | 44  | 55  | 48  | 43  | 52  | 46  | 41  | 39 |
| 5   | 70       | 56  | 46  | 39  | 67  | 54  | 45  | 38  | 51  | 43  | 37  | 49  | 42  | 36  | 46  | 40  | 35  | 33 |
| 6   | 64       | 50  | 40  | 33  | 62  | 49  | 39  | 33  | 46  | 38  | 32  | 44  | 37  | 31  | 41  | 35  | 30  | 28 |
| 7   | 59       | 45  | 35  | 29  | 57  | 44  | 35  | 28  | 41  | 34  | 28  | 39  | 32  | 27  | 38  | 31  | 26  | 24 |
| 8   | 55       | 41  | 31  | 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): 1.23

Spacing Criteria (90-270): 1.88

Spacing Criteria (Diagonal): 1.67



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

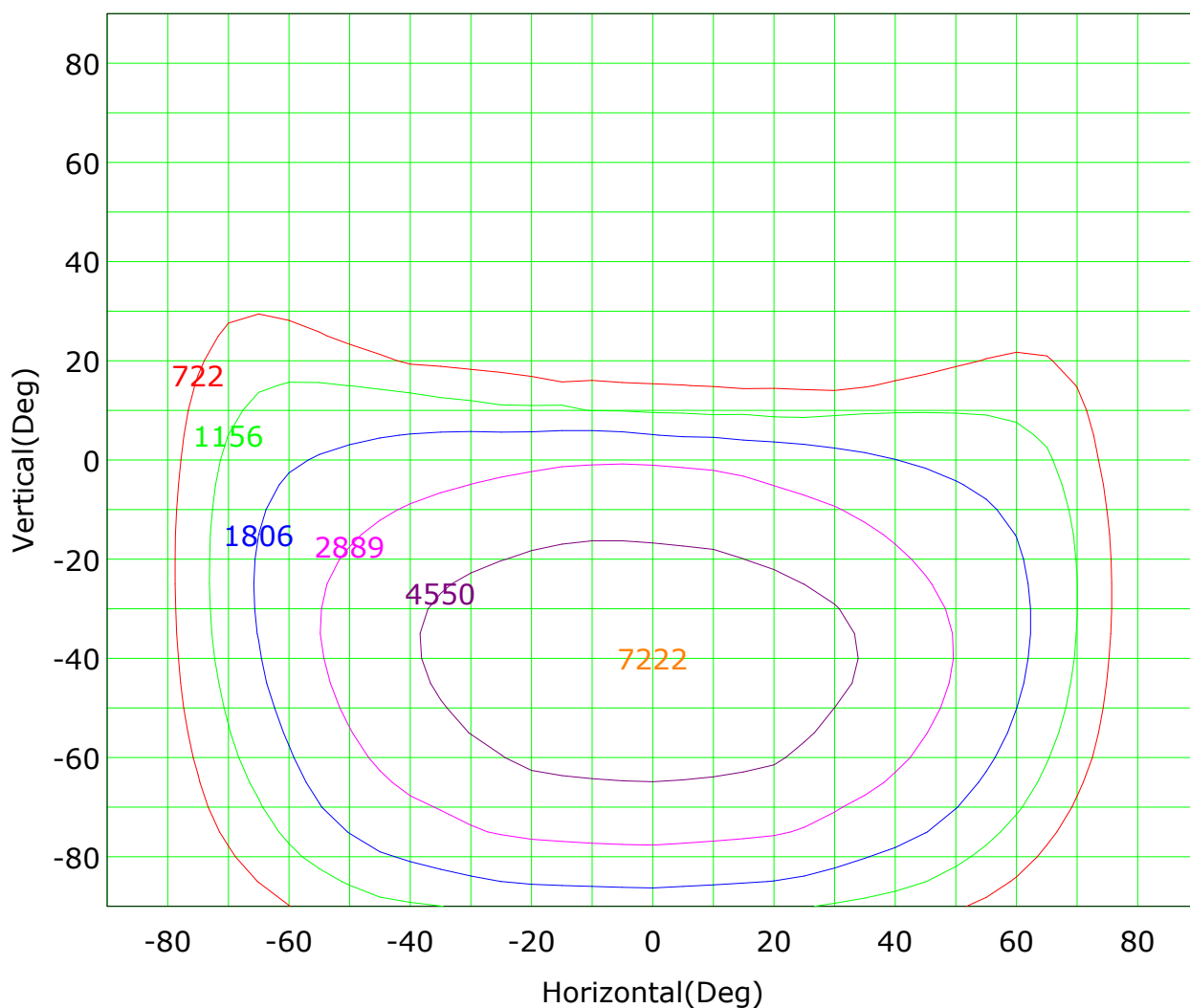
Test Device: GPM-1800B

Distance: 8.190 m

Humidity:

Inspector:

## Isocandela (rectangle)



Imax (100%): 7222 cd

|                 |                 |
|-----------------|-----------------|
| ( 10%): 722 cd  | ( 16%): 1156 cd |
| ( 25%): 1806 cd | ( 40%): 2889 cd |
| ( 63%): 4550 cd | (100%): 7222 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

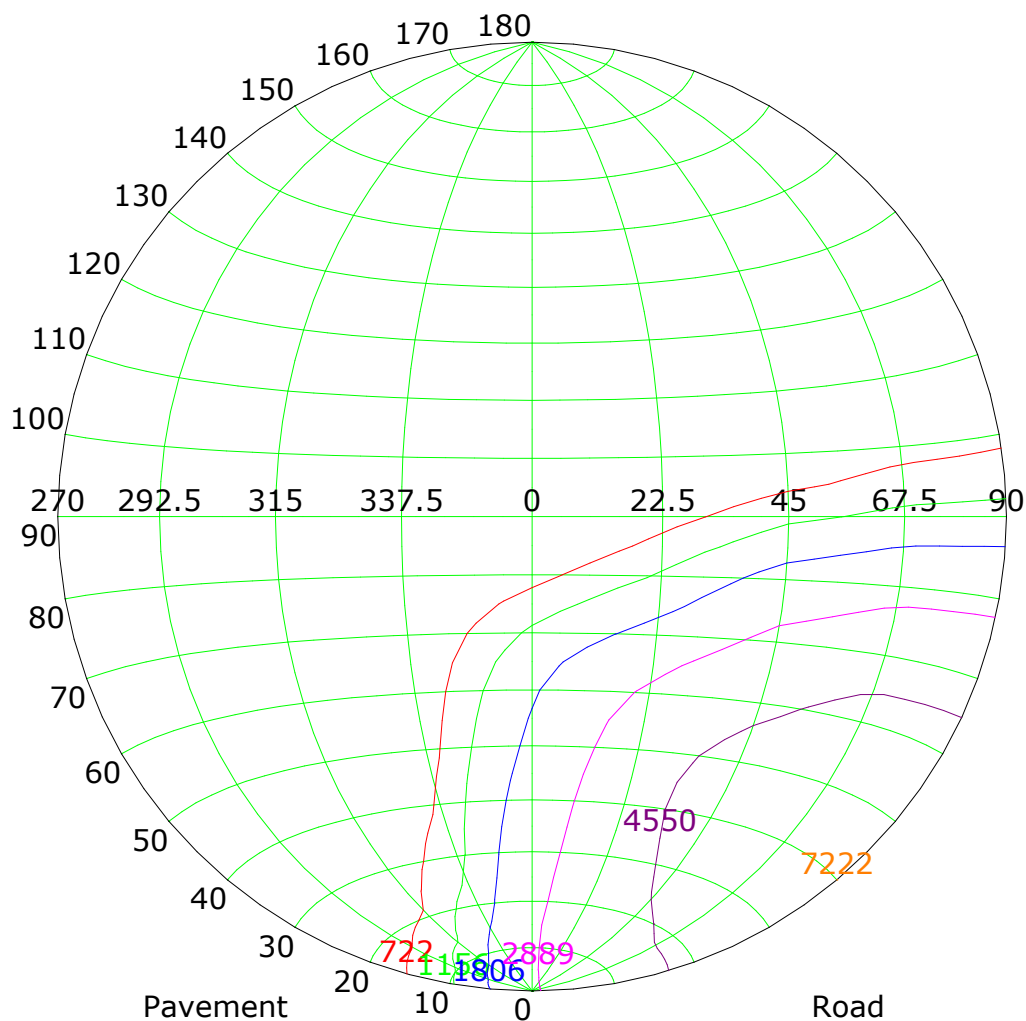
Test Device: GPM-1800B

Distance: 8.190 m

Humidity:

Inspector:

## Isocandela (sphere)



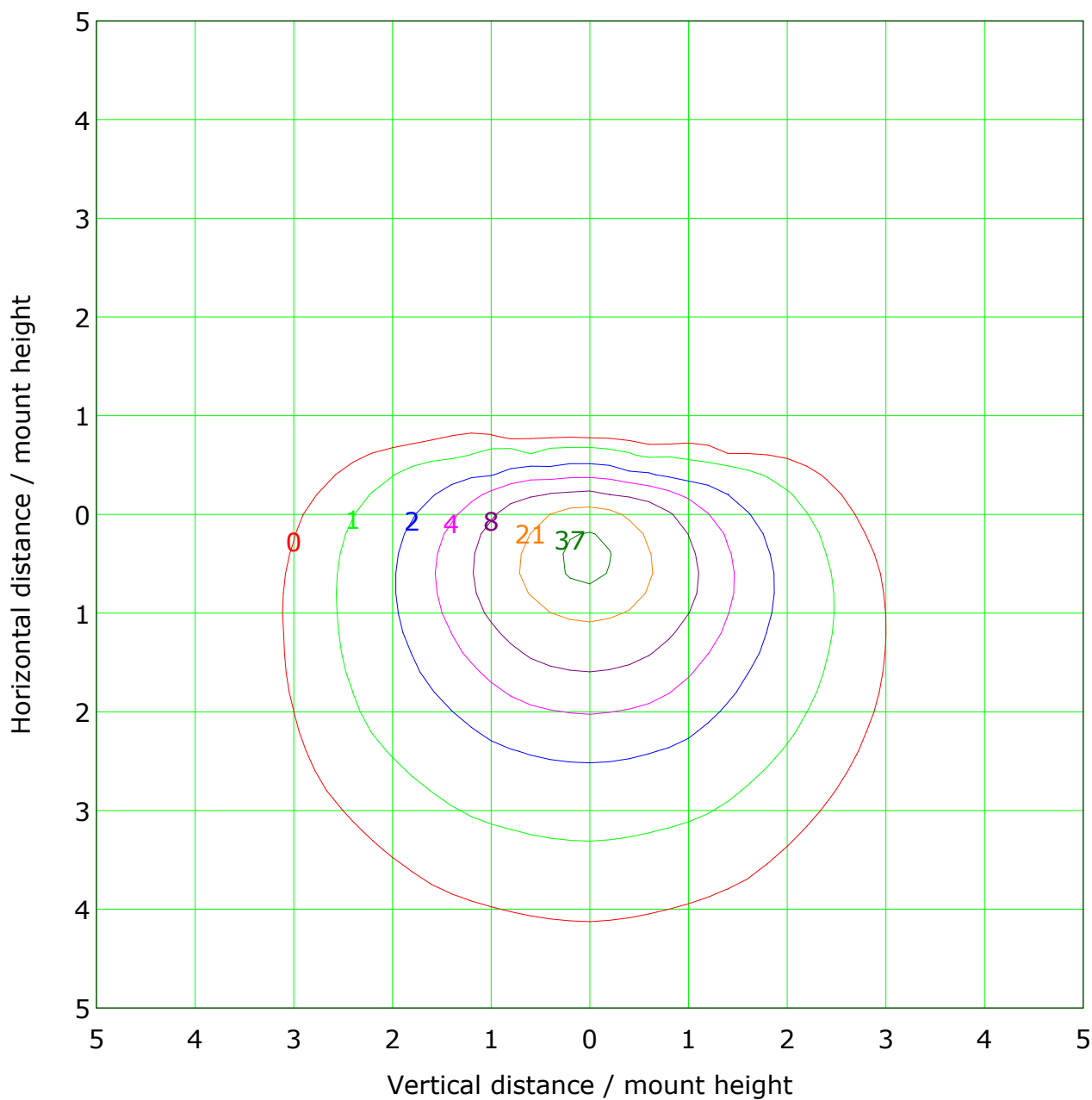
Imax (100%): 7222 cd

|                 |                 |
|-----------------|-----------------|
| ( 10%): 722 cd  | ( 16%): 1156 cd |
| ( 25%): 1806 cd | ( 40%): 2889 cd |
| ( 63%): 4550 cd | (100%): 7222 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



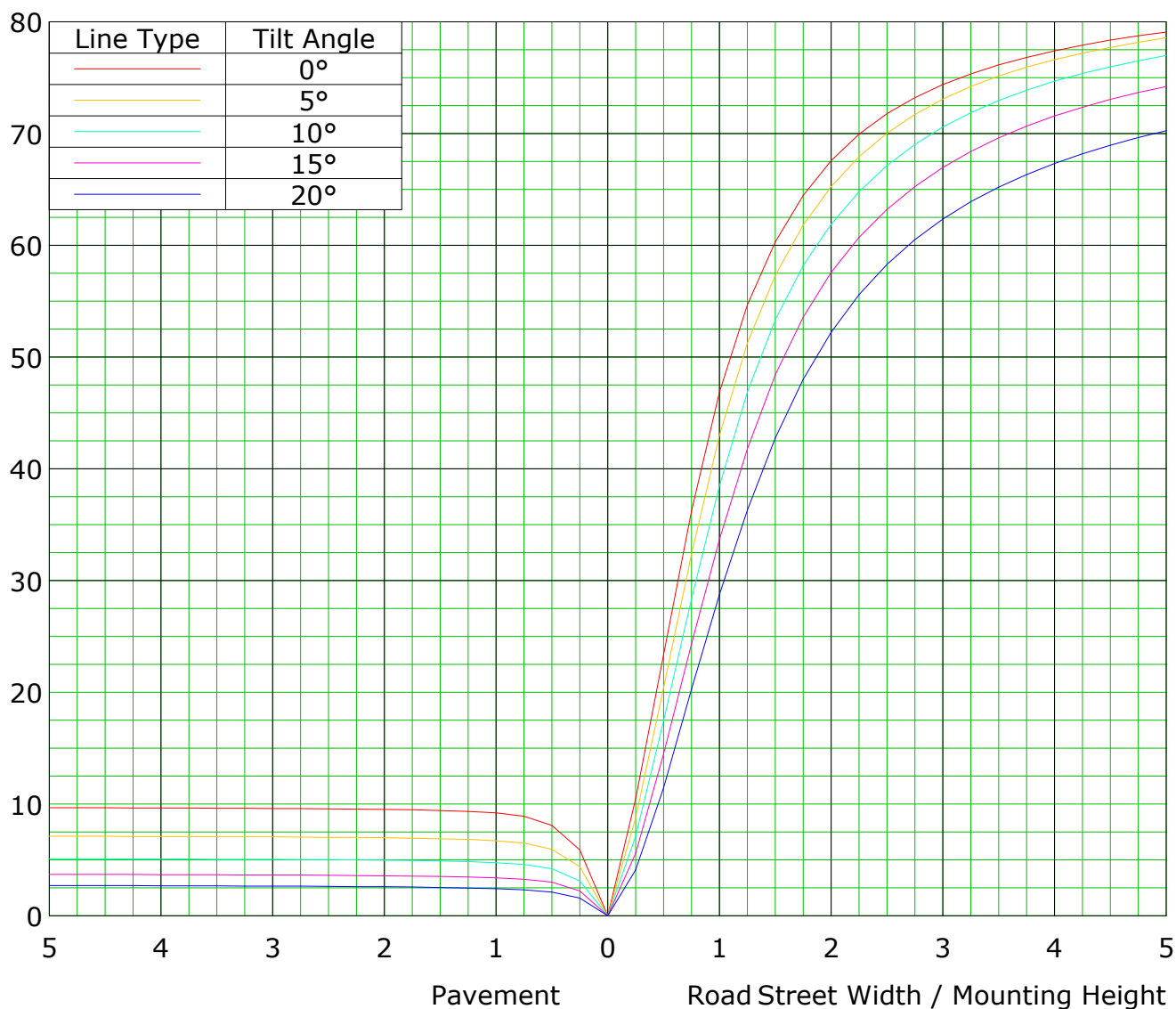
|  |                 |
|--|-----------------|
| Mounting Height: 10.0m    Max Lux(100%): 41.1 lx |                 |
| ( 1%): 0.4 lx                                    | ( 2%): 0.8 lx   |
| ( 5%): 2.1 lx                                    | ( 10%): 4.1 lx  |
| ( 20%): 8.2 lx                                   | ( 50%): 20.6 lx |
| ( 90%): 37.0 lx                                  | (100%): 41.1 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:

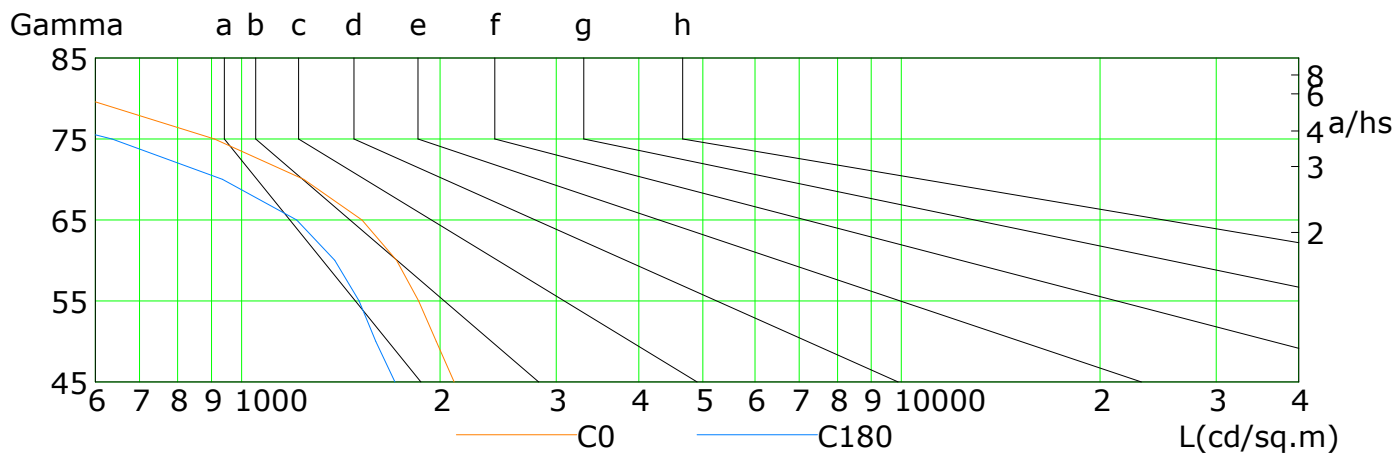
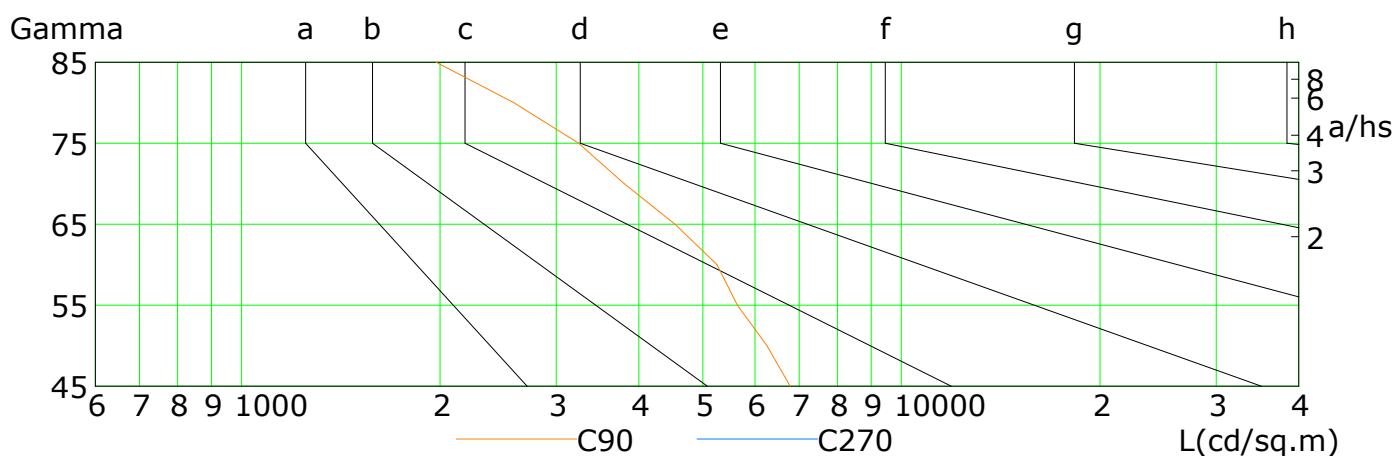
Inspector:



## 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         | 2100 | 1972 | 1854 | 1718 | 1523 | 1242 | 910  | 577  | 288  |
| C90        | 6784 | 6254 | 5644 | 5255 | 4539 | 3798 | 3241 | 2586 | 1973 |
| C180       | 1708 | 1598 | 1507 | 1384 | 1212 | 935  | 636  | 367  | 166  |
| C270       | 5    | 5    | 5    | 5    | 6    | 7    | 8    | 11   | 13   |

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

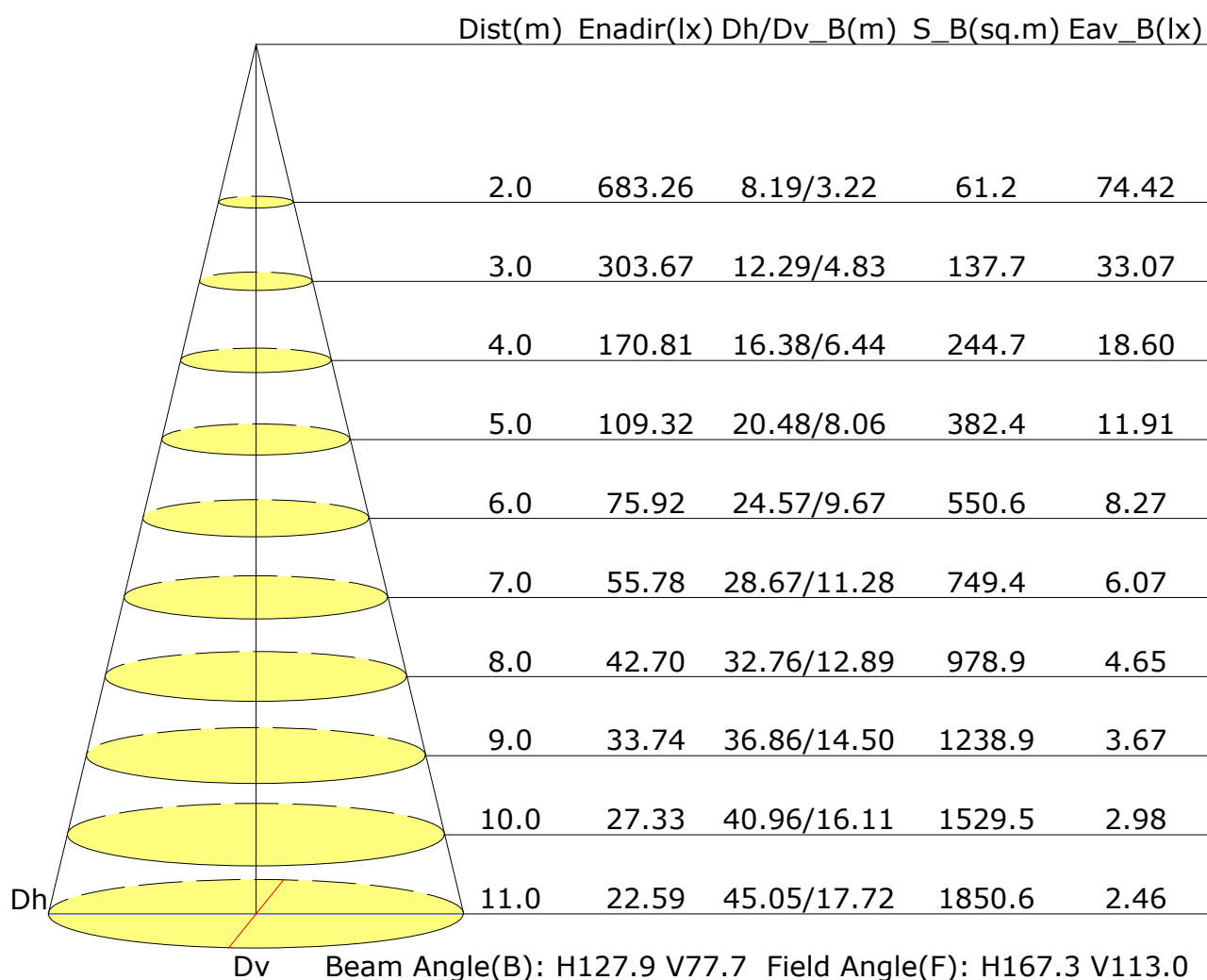
Test Device: GPM-1800B

Distance: 8.190 m

Humidity:

Inspector:

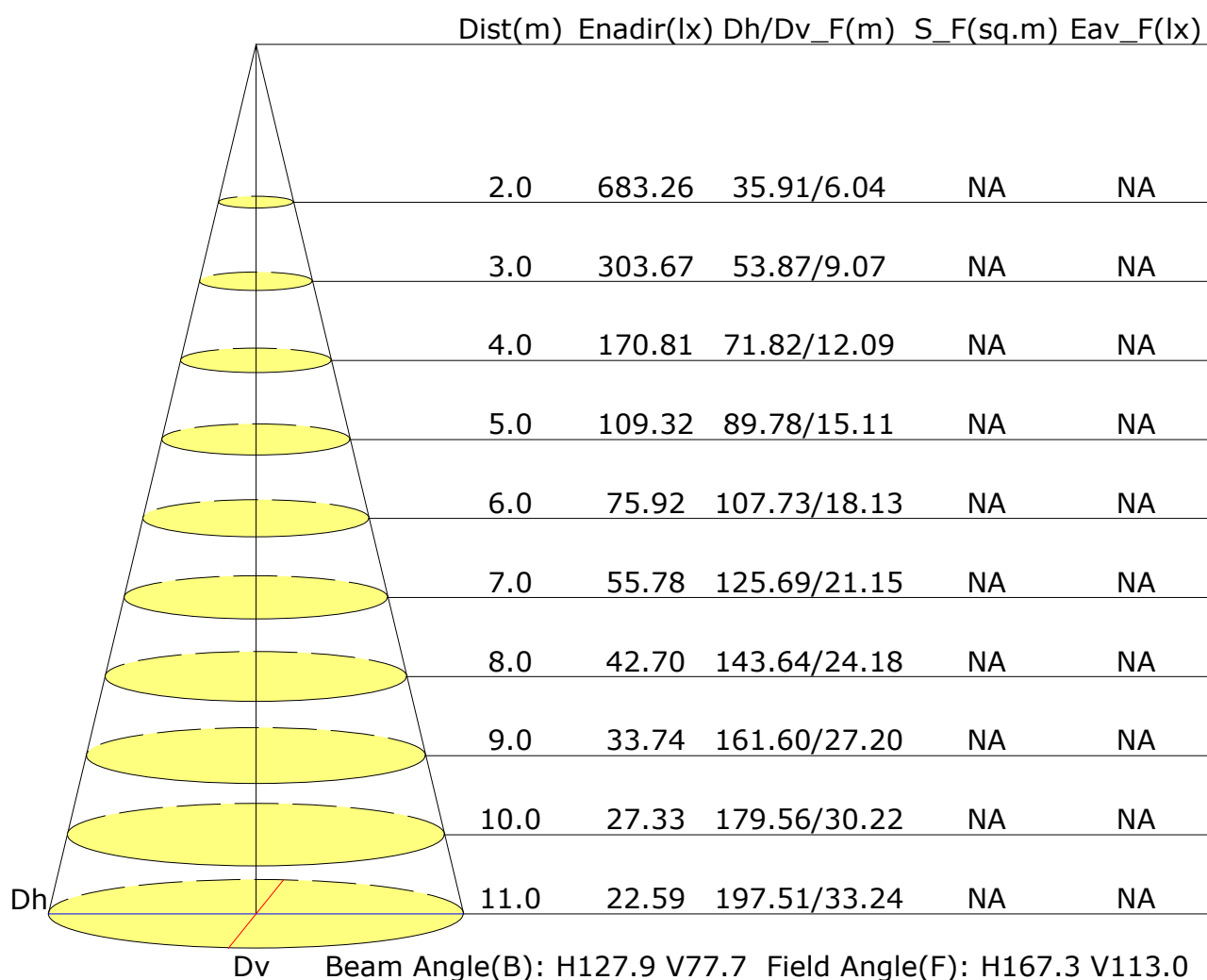
## Illuminance at a Distance(Beam Angle)



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:

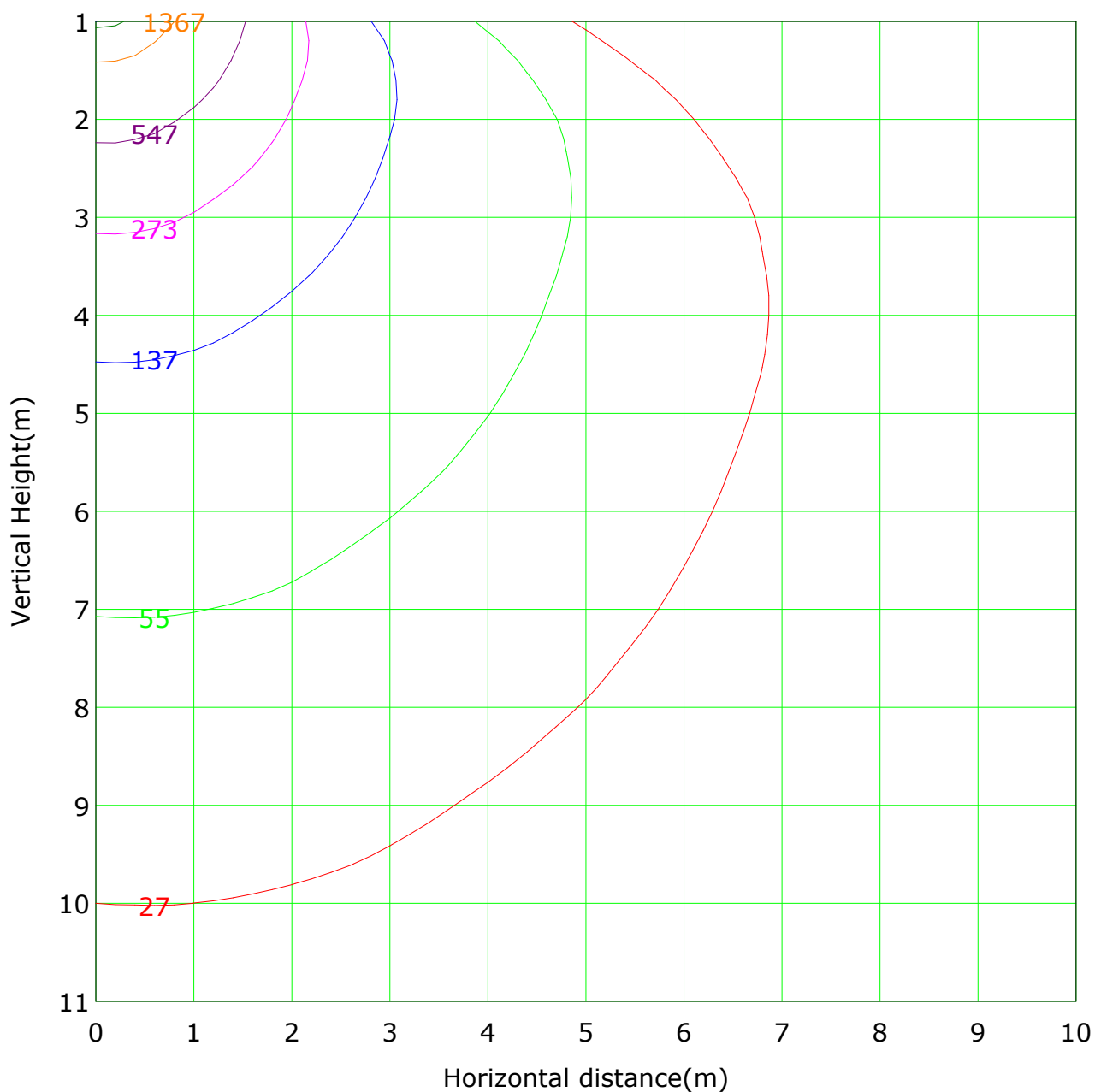
## Illuminance at a Distance(Field Angle)



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: 2733.0 lx

|                   |                   |
|-------------------|-------------------|
| ( 1%): 27.3 lx    | ( 2%): 54.7 lx    |
| ( 5%): 136.7 lx   | ( 10%): 273.3 lx  |
| ( 20%): 546.6 lx  | ( 50%): 1366.5 lx |
| ( 90%): 2459.7 lx | (100%): 2733.0 lx |

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

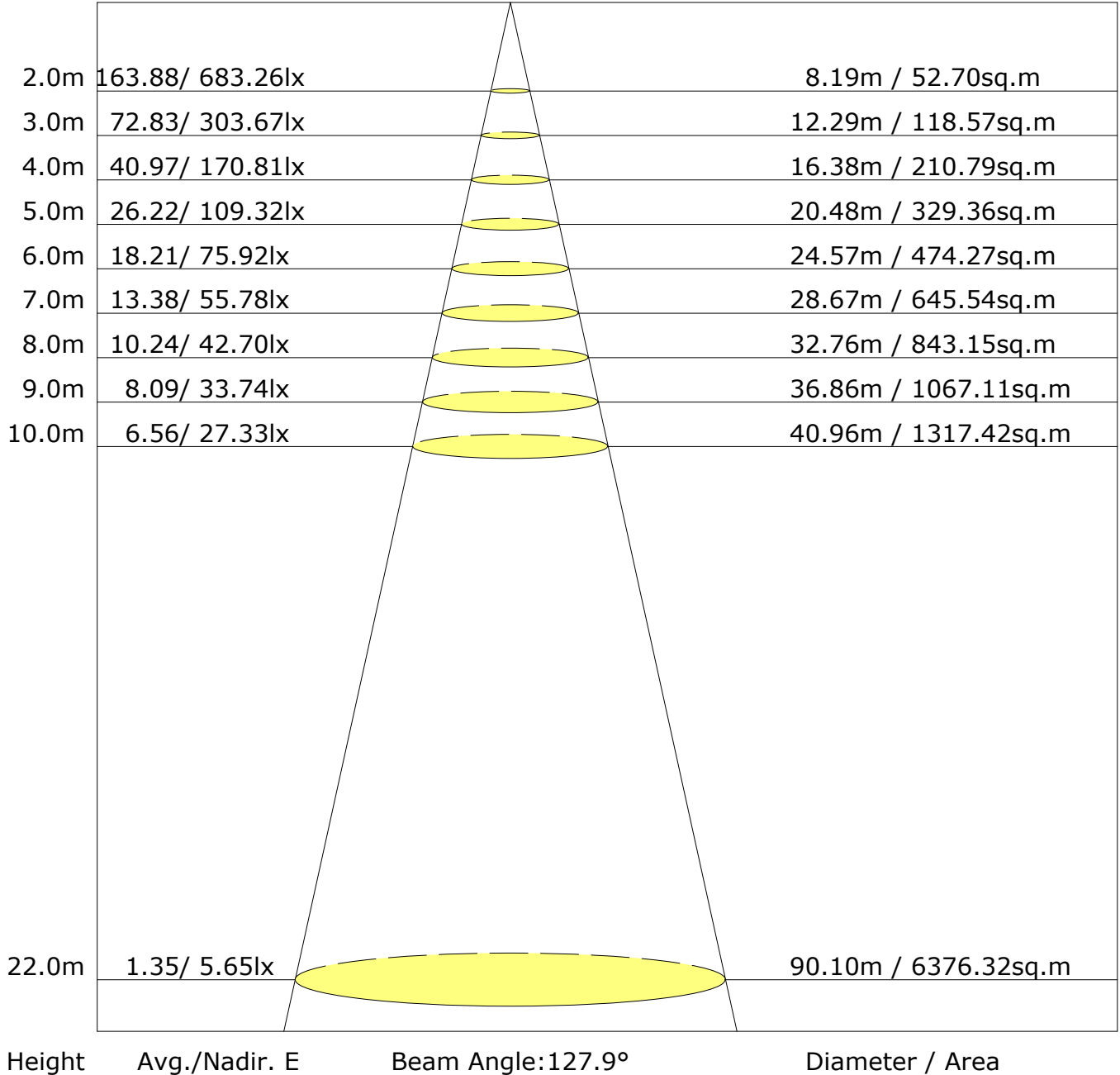
Gamma Plane (°): 0.0-180.0: 1.0  
Test Device: GPM-1800B  
Distance: 8.190 m  
Humidity:  
Inspector:

## Unit: 1m

|                            |           |
|----------------------------|-----------|
| 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:                 |           |

## The Average Illuminance Effective Figure

Flux Out: 8635.76lm



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 12451lm ( $8\log(F/F_0) = 8.8$ ).

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:

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

|  | ZONE           | LUMENS | % LAMP LUMENS |
|--|----------------|--------|---------------|
|  | FORWARD LIGHT  | 10499  | 84.3          |
|  | FL ( 0°-30°)   | 1690   | 13.6          |
|  | FM (30°-60°)   | 5265   | 42.3          |
|  | FH (60°-80°)   | 2845   | 22.9          |
|  | FVH (80°-90°)  | 699    | 5.6           |
|  | BACK LIGHT     | 1167   | 9.4           |
|  | BL ( 0°-30°)   | 462    | 3.7           |
|  | BM (30°-60°)   | 473    | 3.8           |
|  | BH (60°-80°)   | 196    | 1.6           |
|  | BVH (80°-90°)  | 35     | 0.3           |
|  | UP LIGHT       | 786    | 6.3           |
|  | UL (90°-100°)  | 333    | 2.7           |
|  | UH (100°-180°) | 453    | 3.6           |
|  | TRAPPED LIGHT  | NA     | NA            |

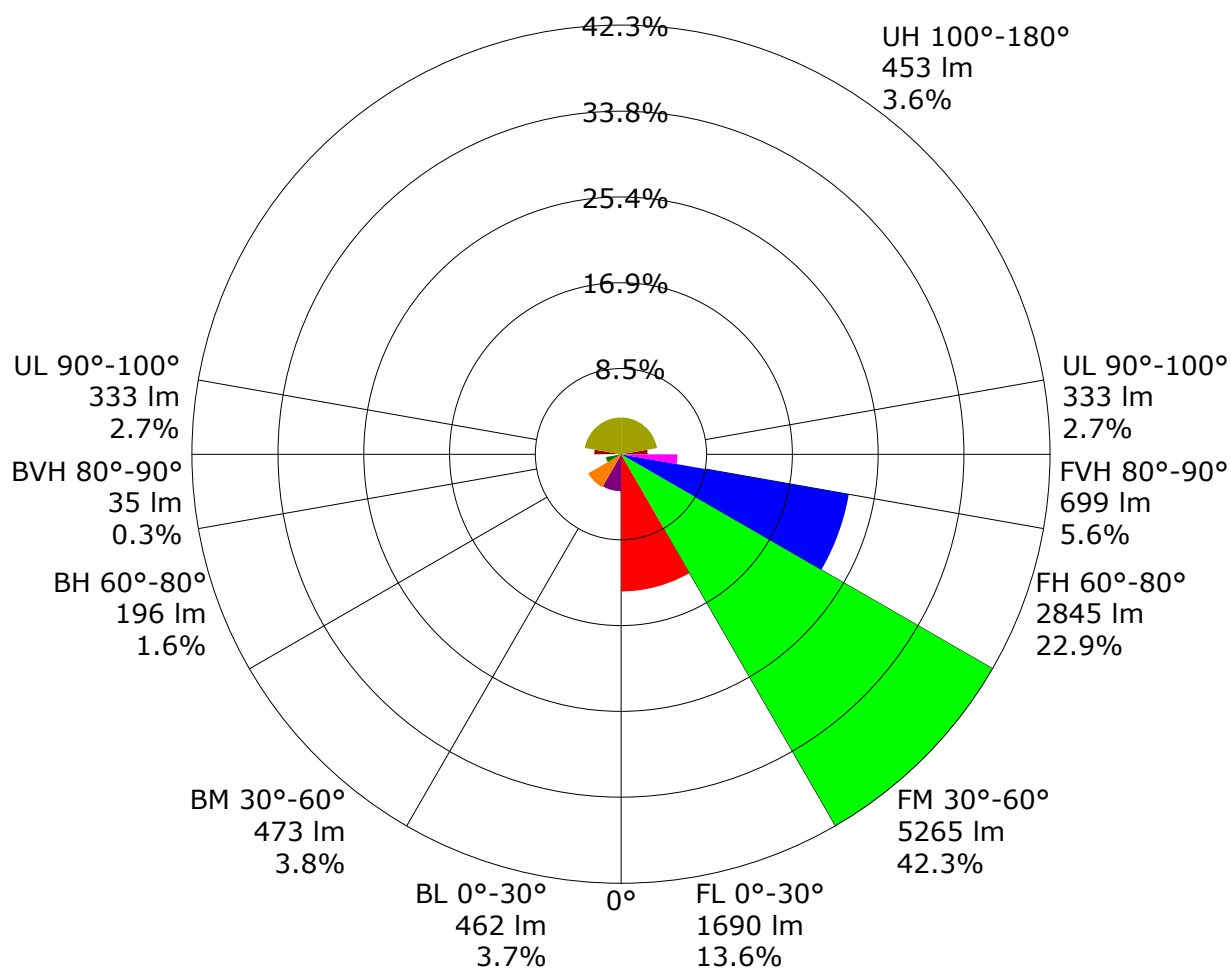
| BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07             |          |
|--|----------|
| Asymmetrical Luminaire Types<br>(Type I,II,III,IV)               | B1 U5 G4 |
| Quadrilateral Symmetrical Luminaire Types<br>(Type V,Area Light) | B1 U5 G4 |

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             | 0.60 | 0.68 | 0.73 | 0.81 | 0.86 | 0.89 | 0.94 | 0.98 |  |
|  | 0.30 |       | NA             | 0.52 | 0.60 | 0.65 | 0.74 | 0.79 | 0.83 | 0.89 | 0.93 |  |
|  | 0.20 |       | NA             | 0.46 | 0.53 | 0.59 | 0.68 | 0.74 | 0.78 | 0.85 | 0.89 |  |
| 0.50   | 0.50 | 0.20  | NA             | 0.58 | 0.64 | 0.69 | 0.76 | 0.81 | 0.85 | 0.89 | 0.92 |  |
|  | 0.30 |       | NA             | 0.50 | 0.57 | 0.63 | 0.70 | 0.76 | 0.80 | 0.85 | 0.89 |  |
|  | 0.20 |       | NA             | 0.45 | 0.52 | 0.57 | 0.65 | 0.71 | 0.75 | 0.81 | 0.85 |  |
| 0.30   | 0.50 | 0.20  | NA             | 0.55 | 0.61 | 0.66 | 0.73 | 0.77 | 0.80 | 0.84 | 0.87 |  |
|  | 0.30 |       | NA             | 0.49 | 0.55 | 0.60 | 0.68 | 0.72 | 0.76 | 0.81 | 0.84 |  |
|  | 0.20 |       | NA             | 0.44 | 0.50 | 0.56 | 0.63 | 0.69 | 0.73 | 0.78 | 0.82 |  |
| 0.00   | 0.00 | 0.00  | NA             | 0.40 | 0.47 | 0.52 | 0.59 | 0.64 | 0.67 | 0.72 | 0.76 |  |
| <p>Rating:88W Photometrically tested without ceiling board.</p> <p>Multiply UF values by service correction factors</p> <p>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p> |      |       |                |      |      |      |      |      |      |      |      |  |

## 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             | 0.89 | 0.77 | 0.68 | 0.55 | 0.47 | 0.41 | 0.32 | 0.27 |  |
|   | 0.30 |       | NA             | 0.76 | 0.67 | 0.60 | 0.50 | 0.43 | 0.38 | 0.30 | 0.26 |  |
|   | 0.20 |       | NA             | 0.66 | 0.59 | 0.54 | 0.45 | 0.40 | 0.35 | 0.29 | 0.24 |  |
| 0.50  | 0.50 | 0.20  | NA             | 0.84 | 0.73 | 0.64 | 0.52 | 0.47 | 0.38 | 0.31 | 0.25 |  |
|   | 0.30 |       | NA             | 0.73 | 0.64 | 0.58 | 0.48 | 0.41 | 0.36 | 0.29 | 0.24 |  |
|   | 0.20 |       | NA             | 0.65 | 0.58 | 0.52 | 0.44 | 0.38 | 0.34 | 0.28 | 0.23 |  |
| 0.30  | 0.50 | 0.20  | NA             | 0.80 | 0.69 | 0.61 | 0.50 | 0.42 | 0.37 | 0.29 | 0.24 |  |
|   | 0.30 |       | NA             | 0.71 | 0.62 | 0.55 | 0.46 | 0.39 | 0.34 | 0.28 | 0.23 |  |
|   | 0.20 |       | NA             | 0.63 | 0.56 | 0.51 | 0.43 | 0.37 | 0.33 | 0.26 | 0.22 |  |
| 0.00  | 0.00 | 0.00  | 0.94           | 0.53 | 0.47 | 0.42 | 0.35 | 0.30 | 0.27 | 0.22 | 0.18 |  |
| Rating:88W 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             | 0.24 | 0.25 | 0.26 | 0.27 | 0.27 | 0.27 | 0.28 | 0.28 |  |
|   | 0.30 |       | NA             | 0.17 | 0.18 | 0.19 | 0.21 | 0.22 | 0.23 | 0.24 | 0.25 |  |
|   | 0.20 |       | NA             | 0.12 | 0.13 | 0.14 | 0.16 | 0.18 | 0.19 | 0.21 | 0.22 |  |
| 0.50  | 0.50 | 0.20  | NA             | 0.23 | 0.24 | 0.25 | 0.26 | 0.26 | 0.26 | 0.27 | 0.27 |  |
|   | 0.30 |       | NA             | 0.17 | 0.18 | 0.19 | 0.20 | 0.21 | 0.22 | 0.23 | 0.24 |  |
|   | 0.20 |       | NA             | 0.12 | 0.13 | 0.14 | 0.16 | 0.17 | 0.19 | 0.20 | 0.21 |  |
| 0.30  | 0.50 | 0.20  | NA             | 0.23 | 0.23 | 0.24 | 0.25 | 0.25 | 0.25 | 0.26 | 0.26 |  |
|   | 0.30 |       | NA             | 0.16 | 0.18 | 0.18 | 0.20 | 0.21 | 0.21 | 0.22 | 0.23 |  |
|   | 0.20 |       | NA             | 0.12 | 0.13 | 0.14 | 0.16 | 0.17 | 0.18 | 0.20 | 0.21 |  |
| 0.00  | 0.00 | 0.00  | 0.06           | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |  |
| Rating:88W 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      | 2731.8                    | 2.6                | 2.6                    | 0.02                  | 0.02                      |
| 1.0-2.0      | 2728.9                    | 7.8                | 10.4                   | 0.06                  | 0.08                      |
| 2.0-3.0      | 2724.1                    | 13.0               | 23.5                   | 0.10                  | 0.19                      |
| 3.0-4.0      | 2715.0                    | 18.2               | 41.7                   | 0.15                  | 0.33                      |
| 4.0-5.0      | 2698.3                    | 23.2               | 64.9                   | 0.19                  | 0.52                      |
| 5.0-6.0      | 2673.8                    | 28.1               | 93.0                   | 0.23                  | 0.75                      |
| 6.0-7.0      | 2646.5                    | 32.9               | 125.8                  | 0.26                  | 1.01                      |
| 7.0-8.0      | 2620.1                    | 37.5               | 163.3                  | 0.30                  | 1.31                      |
| 8.0-9.0      | 2596.5                    | 42.1               | 205.4                  | 0.34                  | 1.65                      |
| 9.0-10.0     | 2577.3                    | 46.6               | 252.1                  | 0.37                  | 2.02                      |
| 10.0-11.0    | 2561.3                    | 51.2               | 303.2                  | 0.41                  | 2.44                      |
| 11.0-12.0    | 2547.3                    | 55.7               | 358.9                  | 0.45                  | 2.88                      |
| 12.0-13.0    | 2534.7                    | 60.2               | 419.1                  | 0.48                  | 3.37                      |
| 13.0-14.0    | 2523.3                    | 64.6               | 483.7                  | 0.52                  | 3.88                      |
| 14.0-15.0    | 2515.0                    | 69.1               | 552.8                  | 0.55                  | 4.44                      |
| 15.0-16.0    | 2512.2                    | 73.6               | 626.4                  | 0.59                  | 5.03                      |
| 16.0-17.0    | 2512.9                    | 78.3               | 704.6                  | 0.63                  | 5.66                      |
| 17.0-18.0    | 2512.7                    | 82.9               | 787.5                  | 0.67                  | 6.32                      |
| 18.0-19.0    | 2511.5                    | 87.4               | 874.9                  | 0.70                  | 7.03                      |
| 19.0-20.0    | 2511.4                    | 91.9               | 966.8                  | 0.74                  | 7.76                      |
| 20.0-21.0    | 2514.4                    | 96.6               | 1063.4                 | 0.78                  | 8.54                      |
| 21.0-22.0    | 2520.9                    | 101.3              | 1164.7                 | 0.81                  | 9.35                      |
| 22.0-23.0    | 2529.2                    | 106.1              | 1270.8                 | 0.85                  | 10.21                     |
| 23.0-24.0    | 2538.5                    | 111.0              | 1381.8                 | 0.89                  | 11.10                     |
| 24.0-25.0    | 2547.8                    | 115.9              | 1497.7                 | 0.93                  | 12.03                     |
| 25.0-26.0    | 2558.3                    | 120.8              | 1618.5                 | 0.97                  | 13.00                     |
| 26.0-27.0    | 2570.1                    | 125.8              | 1744.2                 | 1.01                  | 14.01                     |
| 27.0-28.0    | 2582.1                    | 130.7              | 1875.0                 | 1.05                  | 15.06                     |
| 28.0-29.0    | 2596.0                    | 135.8              | 2010.8                 | 1.09                  | 16.15                     |
| 29.0-30.0    | 2612.5                    | 141.1              | 2151.9                 | 1.13                  | 17.28                     |
| 30.0-31.0    | 2631.2                    | 146.4              | 2298.3                 | 1.18                  | 18.46                     |
| 31.0-32.0    | 2649.7                    | 151.8              | 2450.2                 | 1.22                  | 19.68                     |
| 32.0-33.0    | 2667.8                    | 157.2              | 2607.3                 | 1.26                  | 20.94                     |
| 33.0-34.0    | 2686.6                    | 162.6              | 2770.0                 | 1.31                  | 22.25                     |
| 34.0-35.0    | 2703.9                    | 167.9              | 2937.9                 | 1.35                  | 23.60                     |
| 35.0-36.0    | 2718.9                    | 173.1              | 3111.0                 | 1.39                  | 24.99                     |

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    | 2729.4                    | 178.0              | 3289.1                 | 1.43                  | 26.42                     |
| 37.0-38.0    | 2734.0                    | 182.5              | 3471.6                 | 1.47                  | 27.88                     |
| 38.0-39.0    | 2735.9                    | 186.8              | 3658.4                 | 1.50                  | 29.38                     |
| 39.0-40.0    | 2735.0                    | 190.8              | 3849.1                 | 1.53                  | 30.91                     |
| 40.0-41.0    | 2729.7                    | 194.4              | 4043.5                 | 1.56                  | 32.47                     |
| 41.0-42.0    | 2719.5                    | 197.6              | 4241.1                 | 1.59                  | 34.06                     |
| 42.0-43.0    | 2702.4                    | 200.2              | 4441.4                 | 1.61                  | 35.67                     |
| 43.0-44.0    | 2680.8                    | 202.4              | 4643.7                 | 1.63                  | 37.30                     |
| 44.0-45.0    | 2654.0                    | 204.0              | 4847.7                 | 1.64                  | 38.93                     |
| 45.0-46.0    | 2620.7                    | 205.0              | 5052.7                 | 1.65                  | 40.58                     |
| 46.0-47.0    | 2585.6                    | 205.7              | 5258.4                 | 1.65                  | 42.23                     |
| 47.0-48.0    | 2550.2                    | 206.2              | 5464.5                 | 1.66                  | 43.89                     |
| 48.0-49.0    | 2515.9                    | 206.6              | 5671.2                 | 1.66                  | 45.55                     |
| 49.0-50.0    | 2480.4                    | 206.8              | 5878.0                 | 1.66                  | 47.21                     |
| 50.0-51.0    | 2440.0                    | 206.5              | 6084.5                 | 1.66                  | 48.87                     |
| 51.0-52.0    | 2395.1                    | 205.6              | 6290.0                 | 1.65                  | 50.52                     |
| 52.0-53.0    | 2347.4                    | 204.2              | 6494.3                 | 1.64                  | 52.16                     |
| 53.0-54.0    | 2301.0                    | 202.8              | 6697.1                 | 1.63                  | 53.79                     |
| 54.0-55.0    | 2258.7                    | 201.6              | 6898.7                 | 1.62                  | 55.41                     |
| 55.0-56.0    | 2219.5                    | 200.6              | 7099.3                 | 1.61                  | 57.02                     |
| 56.0-57.0    | 2183.3                    | 199.6              | 7299.0                 | 1.60                  | 58.62                     |
| 57.0-58.0    | 2148.0                    | 198.7              | 7497.6                 | 1.60                  | 60.22                     |
| 58.0-59.0    | 2110.6                    | 197.3              | 7695.0                 | 1.58                  | 61.80                     |
| 59.0-60.0    | 2068.1                    | 195.4              | 7890.4                 | 1.57                  | 63.37                     |
| 60.0-61.0    | 2019.3                    | 192.7              | 8083.1                 | 1.55                  | 64.92                     |
| 61.0-62.0    | 1966.4                    | 189.5              | 8272.6                 | 1.52                  | 66.44                     |
| 62.0-63.0    | 1913.4                    | 186.1              | 8458.7                 | 1.49                  | 67.93                     |
| 63.0-64.0    | 1862.6                    | 182.8              | 8641.5                 | 1.47                  | 69.40                     |
| 64.0-65.0    | 1811.5                    | 179.3              | 8820.8                 | 1.44                  | 70.84                     |
| 65.0-66.0    | 1757.2                    | 175.3              | 8996.2                 | 1.41                  | 72.25                     |
| 66.0-67.0    | 1700.5                    | 171.0              | 9167.2                 | 1.37                  | 73.62                     |
| 67.0-68.0    | 1642.0                    | 166.4              | 9333.5                 | 1.34                  | 74.96                     |
| 68.0-69.0    | 1581.8                    | 161.4              | 9494.9                 | 1.30                  | 76.26                     |
| 69.0-70.0    | 1520.3                    | 156.2              | 9651.1                 | 1.25                  | 77.51                     |
| 70.0-71.0    | 1456.6                    | 150.6              | 9801.7                 | 1.21                  | 78.72                     |
| 71.0-72.0    | 1394.1                    | 145.0              | 9946.6                 | 1.16                  | 79.88                     |

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

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

## Zonal Lumen (Continue 2)

| Gamma<br>[°] | I <sub>mean</sub><br>[cd] | Zonal Flux<br>[lm] | Sum Zonal Flux<br>[lm] | Rel Zonal Flux<br>[%] | Sum Rel Zonal Flux<br>[%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 72.0-73.0    | 1335.1                    | 139.6              | 10086.3                | 1.12                  | 81.01                     |
| 73.0-74.0    | 1279.8                    | 134.6              | 10220.8                | 1.08                  | 82.09                     |
| 74.0-75.0    | 1230.3                    | 130.0              | 10350.8                | 1.04                  | 83.13                     |
| 75.0-76.0    | 1184.6                    | 125.8              | 10476.6                | 1.01                  | 84.14                     |
| 76.0-77.0    | 1138.8                    | 121.4              | 10598.0                | 0.98                  | 85.12                     |
| 77.0-78.0    | 1091.0                    | 116.8              | 10714.8                | 0.94                  | 86.05                     |
| 78.0-79.0    | 1037.5                    | 111.5              | 10826.3                | 0.90                  | 86.95                     |
| 79.0-80.0    | 972.8                     | 104.9              | 10931.2                | 0.84                  | 87.79                     |
| 80.0-81.0    | 902.9                     | 97.7               | 11028.9                | 0.78                  | 88.58                     |
| 81.0-82.0    | 841.5                     | 91.3               | 11120.1                | 0.73                  | 89.31                     |
| 82.0-83.0    | 789.7                     | 85.9               | 11206.0                | 0.69                  | 90.00                     |
| 83.0-84.0    | 741.9                     | 80.8               | 11286.8                | 0.65                  | 90.65                     |
| 84.0-85.0    | 694.9                     | 75.8               | 11362.7                | 0.61                  | 91.26                     |
| 85.0-86.0    | 646.9                     | 70.7               | 11433.4                | 0.57                  | 91.83                     |
| 86.0-87.0    | 597.9                     | 65.4               | 11498.9                | 0.53                  | 92.35                     |
| 87.0-88.0    | 550.0                     | 60.3               | 11559.1                | 0.48                  | 92.83                     |
| 88.0-89.0    | 505.6                     | 55.4               | 11614.5                | 0.45                  | 93.28                     |
| 89.0-90.0    | 465.2                     | 51.0               | 11665.5                | 0.41                  | 93.69                     |
| 90.0-91.0    | 427.5                     | 46.9               | 11712.4                | 0.38                  | 94.07                     |
| 91.0-92.0    | 393.1                     | 43.1               | 11755.5                | 0.35                  | 94.41                     |
| 92.0-93.0    | 362.2                     | 39.7               | 11795.2                | 0.32                  | 94.73                     |
| 93.0-94.0    | 334.3                     | 36.6               | 11831.8                | 0.29                  | 95.02                     |
| 94.0-95.0    | 308.2                     | 33.7               | 11865.5                | 0.27                  | 95.30                     |
| 95.0-96.0    | 283.6                     | 31.0               | 11896.4                | 0.25                  | 95.54                     |
| 96.0-97.0    | 260.9                     | 28.4               | 11924.9                | 0.23                  | 95.77                     |
| 97.0-98.0    | 241.0                     | 26.2               | 11951.1                | 0.21                  | 95.98                     |
| 98.0-99.0    | 224.4                     | 24.3               | 11975.4                | 0.20                  | 96.18                     |
| 99.0-100.0   | 210.3                     | 22.7               | 11998.2                | 0.18                  | 96.36                     |
| 100.0-101.0  | 197.8                     | 21.3               | 12019.5                | 0.17                  | 96.53                     |
| 101.0-102.0  | 186.8                     | 20.1               | 12039.6                | 0.16                  | 96.69                     |
| 102.0-103.0  | 176.3                     | 18.9               | 12058.4                | 0.15                  | 96.85                     |
| 103.0-104.0  | 165.7                     | 17.7               | 12076.1                | 0.14                  | 96.99                     |
| 104.0-105.0  | 155.4                     | 16.5               | 12092.6                | 0.13                  | 97.12                     |
| 105.0-106.0  | 145.9                     | 15.4               | 12108.0                | 0.12                  | 97.24                     |
| 106.0-107.0  | 137.1                     | 14.4               | 12122.4                | 0.12                  | 97.36                     |
| 107.0-108.0  | 129.2                     | 13.5               | 12135.9                | 0.11                  | 97.47                     |

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  | 122.6                     | 12.8               | 12148.7                | 0.10                  | 97.57                     |
| 109.0-110.0  | 117.2                     | 12.1               | 12160.8                | 0.10                  | 97.67                     |
| 110.0-111.0  | 112.7                     | 11.6               | 12172.4                | 0.09                  | 97.76                     |
| 111.0-112.0  | 108.8                     | 11.1               | 12183.5                | 0.09                  | 97.85                     |
| 112.0-113.0  | 105.3                     | 10.7               | 12194.1                | 0.09                  | 97.94                     |
| 113.0-114.0  | 102.1                     | 10.3               | 12204.4                | 0.08                  | 98.02                     |
| 114.0-115.0  | 99.4                      | 9.9                | 12214.3                | 0.08                  | 98.10                     |
| 115.0-116.0  | 97.0                      | 9.6                | 12223.9                | 0.08                  | 98.17                     |
| 116.0-117.0  | 94.9                      | 9.3                | 12233.2                | 0.07                  | 98.25                     |
| 117.0-118.0  | 92.9                      | 9.0                | 12242.3                | 0.07                  | 98.32                     |
| 118.0-119.0  | 91.0                      | 8.8                | 12251.0                | 0.07                  | 98.39                     |
| 119.0-120.0  | 89.1                      | 8.5                | 12259.5                | 0.07                  | 98.46                     |
| 120.0-121.0  | 87.3                      | 8.2                | 12267.8                | 0.07                  | 98.53                     |
| 121.0-122.0  | 85.7                      | 8.0                | 12275.8                | 0.06                  | 98.59                     |
| 122.0-123.0  | 84.3                      | 7.8                | 12283.6                | 0.06                  | 98.65                     |
| 123.0-124.0  | 82.8                      | 7.6                | 12291.2                | 0.06                  | 98.71                     |
| 124.0-125.0  | 81.5                      | 7.4                | 12298.6                | 0.06                  | 98.77                     |
| 125.0-126.0  | 80.5                      | 7.2                | 12305.7                | 0.06                  | 98.83                     |
| 126.0-127.0  | 79.4                      | 7.0                | 12312.7                | 0.06                  | 98.89                     |
| 127.0-128.0  | 78.2                      | 6.8                | 12319.5                | 0.05                  | 98.94                     |
| 128.0-129.0  | 77.2                      | 6.6                | 12326.2                | 0.05                  | 99.00                     |
| 129.0-130.0  | 76.2                      | 6.5                | 12332.6                | 0.05                  | 99.05                     |
| 130.0-131.0  | 75.2                      | 6.3                | 12338.9                | 0.05                  | 99.10                     |
| 131.0-132.0  | 74.1                      | 6.1                | 12345.0                | 0.05                  | 99.15                     |
| 132.0-133.0  | 73.0                      | 5.9                | 12350.9                | 0.05                  | 99.19                     |
| 133.0-134.0  | 71.8                      | 5.7                | 12356.6                | 0.05                  | 99.24                     |
| 134.0-135.0  | 70.4                      | 5.5                | 12362.1                | 0.04                  | 99.28                     |
| 135.0-136.0  | 68.8                      | 5.3                | 12367.4                | 0.04                  | 99.33                     |
| 136.0-137.0  | 67.1                      | 5.1                | 12372.4                | 0.04                  | 99.37                     |
| 137.0-138.0  | 65.2                      | 4.8                | 12377.3                | 0.04                  | 99.41                     |
| 138.0-139.0  | 63.3                      | 4.6                | 12381.9                | 0.04                  | 99.44                     |
| 139.0-140.0  | 61.5                      | 4.4                | 12386.2                | 0.04                  | 99.48                     |
| 140.0-141.0  | 59.9                      | 4.2                | 12390.4                | 0.03                  | 99.51                     |
| 141.0-142.0  | 58.7                      | 4.0                | 12394.4                | 0.03                  | 99.54                     |
| 142.0-143.0  | 57.7                      | 3.9                | 12398.3                | 0.03                  | 99.57                     |
| 143.0-144.0  | 56.6                      | 3.7                | 12402.0                | 0.03                  | 99.60                     |

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 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  | 55.3                      | 3.5                | 12405.5                | 0.03                  | 99.63                     |
| 145.0-146.0  | 53.7                      | 3.3                | 12408.8                | 0.03                  | 99.66                     |
| 146.0-147.0  | 52.1                      | 3.2                | 12412.0                | 0.03                  | 99.68                     |
| 147.0-148.0  | 50.7                      | 3.0                | 12415.0                | 0.02                  | 99.71                     |
| 148.0-149.0  | 49.5                      | 2.8                | 12417.8                | 0.02                  | 99.73                     |
| 149.0-150.0  | 48.4                      | 2.7                | 12420.5                | 0.02                  | 99.75                     |
| 150.0-151.0  | 47.1                      | 2.5                | 12423.0                | 0.02                  | 99.77                     |
| 151.0-152.0  | 45.8                      | 2.4                | 12425.4                | 0.02                  | 99.79                     |
| 152.0-153.0  | 44.4                      | 2.2                | 12427.7                | 0.02                  | 99.81                     |
| 153.0-154.0  | 43.1                      | 2.1                | 12429.8                | 0.02                  | 99.83                     |
| 154.0-155.0  | 41.9                      | 2.0                | 12431.8                | 0.02                  | 99.84                     |
| 155.0-156.0  | 40.8                      | 1.9                | 12433.6                | 0.01                  | 99.86                     |
| 156.0-157.0  | 39.7                      | 1.7                | 12435.4                | 0.01                  | 99.87                     |
| 157.0-158.0  | 38.6                      | 1.6                | 12437.0                | 0.01                  | 99.89                     |
| 158.0-159.0  | 37.4                      | 1.5                | 12438.5                | 0.01                  | 99.90                     |
| 159.0-160.0  | 36.2                      | 1.4                | 12439.9                | 0.01                  | 99.91                     |
| 160.0-161.0  | 35.2                      | 1.3                | 12441.2                | 0.01                  | 99.92                     |
| 161.0-162.0  | 34.2                      | 1.2                | 12442.3                | 0.01                  | 99.93                     |
| 162.0-163.0  | 33.2                      | 1.1                | 12443.4                | 0.01                  | 99.94                     |
| 163.0-164.0  | 32.2                      | 1.0                | 12444.4                | 0.01                  | 99.95                     |
| 164.0-165.0  | 31.1                      | 0.9                | 12445.4                | 0.01                  | 99.95                     |
| 165.0-166.0  | 30.1                      | 0.8                | 12446.2                | 0.01                  | 99.96                     |
| 166.0-167.0  | 29.2                      | 0.7                | 12446.9                | 0.01                  | 99.97                     |
| 167.0-168.0  | 28.3                      | 0.7                | 12447.6                | 0.01                  | 99.97                     |
| 168.0-169.0  | 27.6                      | 0.6                | 12448.2                | 0.00                  | 99.98                     |
| 169.0-170.0  | 27.0                      | 0.5                | 12448.7                | 0.00                  | 99.98                     |
| 170.0-171.0  | 26.5                      | 0.5                | 12449.2                | 0.00                  | 99.98                     |
| 171.0-172.0  | 26.2                      | 0.4                | 12449.7                | 0.00                  | 99.99                     |
| 172.0-173.0  | 26.1                      | 0.4                | 12450.0                | 0.00                  | 99.99                     |
| 173.0-174.0  | 26.1                      | 0.3                | 12450.3                | 0.00                  | 99.99                     |
| 174.0-175.0  | 26.0                      | 0.3                | 12450.6                | 0.00                  | 100.00                    |
| 175.0-176.0  | 26.0                      | 0.2                | 12450.8                | 0.00                  | 100.00                    |
| 176.0-177.0  | 25.9                      | 0.2                | 12451.0                | 0.00                  | 100.00                    |
| 177.0-178.0  | 26.0                      | 0.1                | 12451.1                | 0.00                  | 100.00                    |
| 178.0-179.0  | 26.0                      | 0.1                | 12451.2                | 0.00                  | 100.00                    |
| 179.0-180.0  | 26.1                      | 0.0                | 12451.2                | 0.00                  | 100.00                    |

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

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

## Candlepower Table

Unit: cd

| G\C   | C0.0   | C22.5  | C45.0  | C67.5  | C90.0  | C112.5 | C135.0 | C157.5 | C180.0 | C202.5 |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| G0.0  | 2733.0 | 2733.0 | 2733.0 | 2733.0 | 2733.0 | 2733.0 | 2733.0 | 2733.0 | 2733.0 | 2733.0 |
| G1.0  | 2741.8 | 2801.6 | 2857.6 | 2882.8 | 2892.0 | 2876.8 | 2838.7 | 2788.0 | 2725.1 | 2657.1 |
| G2.0  | 2745.9 | 2871.7 | 2983.6 | 3044.1 | 3048.7 | 3014.3 | 2946.9 | 2839.5 | 2711.2 | 2577.5 |
| G3.0  | 2752.5 | 2943.3 | 3105.8 | 3187.3 | 3195.7 | 3145.8 | 3045.1 | 2886.5 | 2694.8 | 2500.3 |
| G4.0  | 2759.8 | 3009.3 | 3210.1 | 3332.2 | 3345.9 | 3282.8 | 3137.4 | 2929.3 | 2683.4 | 2418.9 |
| G5.0  | 2760.4 | 3074.8 | 3320.9 | 3451.4 | 3464.2 | 3390.0 | 3227.2 | 2969.6 | 2671.6 | 2347.8 |
| G6.0  | 2759.8 | 3131.3 | 3421.4 | 3550.4 | 3569.4 | 3476.0 | 3301.0 | 3012.8 | 2660.2 | 2272.4 |
| G7.0  | 2759.8 | 3189.0 | 3502.1 | 3650.6 | 3660.8 | 3561.0 | 3371.2 | 3050.4 | 2647.3 | 2191.8 |
| G8.0  | 2756.5 | 3245.3 | 3582.0 | 3720.7 | 3740.8 | 3625.2 | 3435.7 | 3093.6 | 2637.6 | 2103.8 |
| G9.0  | 2753.0 | 3295.2 | 3645.5 | 3801.8 | 3837.6 | 3696.5 | 3500.0 | 3136.4 | 2625.8 | 2016.4 |
| G10.0 | 2747.4 | 3342.5 | 3701.1 | 3897.5 | 3934.6 | 3787.4 | 3549.7 | 3174.2 | 2605.9 | 1924.6 |
| G11.0 | 2743.7 | 3381.4 | 3754.9 | 3990.4 | 4007.6 | 3871.8 | 3603.1 | 3203.5 | 2583.7 | 1834.7 |
| G12.0 | 2736.4 | 3416.6 | 3822.5 | 4060.1 | 4078.0 | 3937.0 | 3657.5 | 3216.1 | 2560.2 | 1746.3 |
| G13.0 | 2728.4 | 3445.3 | 3899.8 | 4128.5 | 4144.7 | 4004.2 | 3723.6 | 3230.6 | 2534.8 | 1655.6 |
| G14.0 | 2720.0 | 3471.1 | 3957.0 | 4206.4 | 4232.3 | 4069.0 | 3777.9 | 3245.1 | 2510.0 | 1566.1 |
| G15.0 | 2712.9 | 3490.5 | 4008.6 | 4296.9 | 4348.9 | 4149.7 | 3822.0 | 3255.7 | 2480.2 | 1489.6 |
| G16.0 | 2696.5 | 3508.6 | 4049.7 | 4416.4 | 4492.7 | 4260.2 | 3864.7 | 3260.5 | 2451.5 | 1421.7 |
| G17.0 | 2682.8 | 3517.3 | 4099.4 | 4555.0 | 4610.9 | 4393.4 | 3896.1 | 3263.3 | 2418.9 | 1351.2 |
| G18.0 | 2661.1 | 3519.9 | 4152.4 | 4668.6 | 4715.1 | 4506.7 | 3936.1 | 3261.4 | 2389.8 | 1286.4 |
| G19.0 | 2643.7 | 3530.1 | 4209.1 | 4777.7 | 4820.3 | 4611.1 | 3974.8 | 3256.0 | 2354.5 | 1228.2 |
| G20.0 | 2625.2 | 3547.0 | 4285.6 | 4875.7 | 4923.0 | 4715.8 | 4018.0 | 3248.1 | 2325.6 | 1167.5 |
| G21.0 | 2603.4 | 3566.8 | 4369.2 | 4976.5 | 5041.8 | 4809.7 | 4079.7 | 3243.6 | 2296.2 | 1112.9 |
| G22.0 | 2583.5 | 3587.5 | 4444.2 | 5085.3 | 5145.7 | 4906.0 | 4140.9 | 3247.7 | 2266.4 | 1061.8 |
| G23.0 | 2561.7 | 3606.8 | 4515.5 | 5195.4 | 5272.8 | 4995.3 | 4197.7 | 3248.8 | 2235.9 | 1016.1 |
| G24.0 | 2546.8 | 3621.7 | 4577.2 | 5309.2 | 5394.3 | 5091.1 | 4245.6 | 3260.5 | 2207.4 | 976.4  |
| G25.0 | 2528.7 | 3632.8 | 4640.1 | 5421.6 | 5511.2 | 5173.8 | 4294.7 | 3264.4 | 2181.2 | 937.2  |
| G26.0 | 2512.0 | 3638.6 | 4700.7 | 5532.5 | 5655.7 | 5279.1 | 4338.8 | 3268.4 | 2152.2 | 900.2  |
| G27.0 | 2493.3 | 3637.9 | 4763.3 | 5649.1 | 5774.4 | 5390.0 | 4386.4 | 3271.8 | 2116.9 | 863.0  |
| G28.0 | 2472.1 | 3643.6 | 4820.6 | 5759.5 | 5908.1 | 5500.4 | 4427.1 | 3273.7 | 2091.9 | 823.5  |
| G29.0 | 2454.8 | 3641.8 | 4880.8 | 5887.4 | 6052.5 | 5598.2 | 4467.0 | 3275.3 | 2068.0 | 786.9  |
| G30.0 | 2435.9 | 3646.5 | 4952.5 | 6007.5 | 6219.9 | 5691.7 | 4517.8 | 3271.1 | 2047.0 | 754.9  |
| G31.0 | 2420.0 | 3651.7 | 5021.0 | 6151.4 | 6360.6 | 5793.7 | 4570.8 | 3269.1 | 2025.2 | 728.3  |
| G32.0 | 2403.0 | 3659.0 | 5074.8 | 6285.3 | 6498.1 | 5899.4 | 4612.0 | 3259.7 | 1999.4 | 700.8  |
| G33.0 | 2382.0 | 3665.8 | 5139.3 | 6439.0 | 6641.3 | 6004.9 | 4651.8 | 3252.1 | 1969.8 | 675.9  |
| G34.0 | 2360.2 | 3670.1 | 5210.9 | 6569.4 | 6782.7 | 6101.3 | 4701.8 | 3242.1 | 1945.2 | 652.9  |
| G35.0 | 2332.7 | 3680.0 | 5266.9 | 6672.9 | 6932.8 | 6200.9 | 4739.6 | 3228.8 | 1923.4 | 630.2  |
| G36.0 | 2312.1 | 3690.4 | 5321.8 | 6773.0 | 7036.0 | 6308.6 | 4781.3 | 3212.1 | 1904.9 | 606.1  |

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 | 2291.1 | 3701.8 | 5386.2 | 6835.5 | 7095.2 | 6375.2 | 4818.7 | 3193.1 | 1883.7 | 585.5  |
| G38.0 | 2270.0 | 3702.3 | 5444.4 | 6865.3 | 7161.7 | 6410.7 | 4853.8 | 3170.9 | 1861.8 | 560.1  |
| G39.0 | 2247.4 | 3696.9 | 5508.2 | 6894.6 | 7213.8 | 6444.5 | 4885.3 | 3155.5 | 1838.9 | 536.8  |
| G40.0 | 2223.1 | 3690.3 | 5556.5 | 6888.1 | 7222.0 | 6472.7 | 4926.6 | 3146.0 | 1813.3 | 516.5  |
| G41.0 | 2196.8 | 3695.7 | 5579.0 | 6896.6 | 7196.1 | 6488.1 | 4956.6 | 3130.4 | 1791.9 | 497.4  |
| G42.0 | 2173.1 | 3693.3 | 5589.0 | 6889.7 | 7139.1 | 6492.9 | 4969.5 | 3106.3 | 1774.1 | 478.7  |
| G43.0 | 2147.5 | 3684.9 | 5586.6 | 6827.5 | 7057.4 | 6474.4 | 4974.6 | 3084.2 | 1749.8 | 462.1  |
| G44.0 | 2122.7 | 3667.1 | 5575.4 | 6793.3 | 6949.1 | 6452.0 | 4970.6 | 3067.9 | 1727.9 | 444.1  |
| G45.0 | 2099.9 | 3646.4 | 5564.6 | 6710.9 | 6783.6 | 6397.7 | 4953.7 | 3045.1 | 1707.8 | 425.3  |
| G46.0 | 2074.1 | 3627.9 | 5527.2 | 6596.9 | 6647.1 | 6327.1 | 4918.0 | 3026.8 | 1682.3 | 407.8  |
| G47.0 | 2049.8 | 3615.3 | 5480.2 | 6479.0 | 6539.1 | 6237.8 | 4862.1 | 3002.5 | 1658.4 | 392.8  |
| G48.0 | 2023.1 | 3588.9 | 5419.4 | 6369.5 | 6447.8 | 6140.3 | 4807.2 | 2974.0 | 1640.1 | 378.0  |
| G49.0 | 1998.2 | 3564.3 | 5343.4 | 6281.2 | 6358.9 | 6063.7 | 4751.7 | 2950.7 | 1620.1 | 364.1  |
| G50.0 | 1971.6 | 3534.7 | 5253.4 | 6182.3 | 6253.8 | 5956.1 | 4696.3 | 2929.2 | 1597.9 | 348.0  |
| G51.0 | 1949.2 | 3499.6 | 5134.0 | 6066.1 | 6121.9 | 5845.4 | 4633.4 | 2904.9 | 1581.8 | 335.5  |
| G52.0 | 1926.0 | 3467.5 | 5013.4 | 5934.9 | 5950.6 | 5745.9 | 4557.6 | 2873.7 | 1562.7 | 322.1  |
| G53.0 | 1903.7 | 3442.2 | 4899.5 | 5773.2 | 5797.3 | 5622.6 | 4478.9 | 2835.0 | 1543.7 | 308.8  |
| G54.0 | 1878.1 | 3410.6 | 4773.6 | 5636.9 | 5709.6 | 5492.3 | 4392.7 | 2806.6 | 1524.4 | 294.9  |
| G55.0 | 1854.0 | 3370.1 | 4672.6 | 5528.7 | 5644.0 | 5380.8 | 4285.7 | 2774.2 | 1506.5 | 283.1  |
| G56.0 | 1834.1 | 3320.7 | 4563.0 | 5437.2 | 5612.5 | 5266.7 | 4180.2 | 2735.3 | 1484.5 | 272.1  |
| G57.0 | 1807.4 | 3260.2 | 4468.3 | 5383.6 | 5561.2 | 5191.6 | 4075.1 | 2705.6 | 1459.5 | 260.6  |
| G58.0 | 1780.3 | 3197.3 | 4380.8 | 5312.0 | 5499.1 | 5124.7 | 3960.5 | 2670.1 | 1435.1 | 250.4  |
| G59.0 | 1750.4 | 3131.5 | 4286.1 | 5238.8 | 5414.3 | 5045.0 | 3868.0 | 2625.4 | 1406.9 | 238.9  |
| G60.0 | 1717.5 | 3057.7 | 4175.9 | 5152.8 | 5255.1 | 4963.7 | 3764.9 | 2580.0 | 1383.6 | 228.9  |
| G61.0 | 1686.5 | 2984.4 | 4073.5 | 5016.6 | 5089.2 | 4851.8 | 3665.2 | 2522.0 | 1361.1 | 219.7  |
| G62.0 | 1644.6 | 2902.1 | 3993.7 | 4863.0 | 4930.2 | 4719.8 | 3565.7 | 2460.8 | 1326.5 | 210.8  |
| G63.0 | 1601.3 | 2811.9 | 3895.1 | 4722.9 | 4817.0 | 4601.7 | 3468.5 | 2393.2 | 1286.0 | 201.8  |
| G64.0 | 1561.6 | 2722.9 | 3784.8 | 4621.3 | 4685.1 | 4500.4 | 3373.7 | 2321.4 | 1250.6 | 193.7  |
| G65.0 | 1522.6 | 2633.6 | 3698.6 | 4484.4 | 4539.1 | 4386.9 | 3271.3 | 2256.5 | 1211.7 | 186.6  |
| G66.0 | 1477.8 | 2529.1 | 3583.7 | 4352.5 | 4402.4 | 4261.5 | 3170.6 | 2185.7 | 1160.8 | 178.8  |
| G67.0 | 1431.3 | 2416.1 | 3494.8 | 4208.6 | 4262.8 | 4124.2 | 3078.2 | 2108.7 | 1103.4 | 173.2  |
| G68.0 | 1367.0 | 2301.7 | 3393.3 | 4066.2 | 4104.1 | 3978.4 | 2991.5 | 2025.3 | 1055.0 | 170.7  |
| G69.0 | 1306.0 | 2191.6 | 3293.2 | 3924.2 | 3946.1 | 3823.8 | 2900.5 | 1952.5 | 998.5  | 165.6  |
| G70.0 | 1241.6 | 2083.6 | 3183.9 | 3772.9 | 3797.9 | 3668.8 | 2797.5 | 1866.8 | 935.3  | 159.2  |
| G71.0 | 1180.1 | 1970.0 | 3060.7 | 3611.2 | 3646.2 | 3518.0 | 2693.6 | 1778.3 | 875.5  | 153.1  |
| G72.0 | 1118.6 | 1874.7 | 2946.8 | 3460.1 | 3506.2 | 3369.4 | 2596.7 | 1690.5 | 818.2  | 147.5  |
| G73.0 | 1051.8 | 1781.2 | 2823.2 | 3332.1 | 3400.5 | 3237.0 | 2490.9 | 1603.7 | 754.2  | 142.4  |

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 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  | 983.3 | 1684.9 | 2714.4 | 3228.3 | 3308.9 | 3127.3 | 2381.0 | 1520.5 | 694.3  | 136.6  |
| G75.0  | 909.7 | 1601.1 | 2622.1 | 3151.7 | 3241.4 | 3040.5 | 2284.1 | 1435.4 | 636.0  | 130.5  |
| G76.0  | 832.5 | 1509.4 | 2537.8 | 3072.2 | 3175.3 | 2961.3 | 2192.8 | 1349.8 | 579.8  | 124.1  |
| G77.0  | 761.6 | 1429.6 | 2447.3 | 3005.9 | 3079.4 | 2875.2 | 2103.8 | 1267.2 | 518.8  | 118.5  |
| G78.0  | 695.4 | 1353.6 | 2358.3 | 2900.4 | 2970.5 | 2775.3 | 2009.0 | 1183.2 | 466.7  | 113.7  |
| G79.0  | 632.6 | 1278.5 | 2257.2 | 2767.2 | 2807.2 | 2640.5 | 1908.3 | 1098.7 | 414.9  | 108.1  |
| G80.0  | 577.3 | 1200.2 | 2126.5 | 2554.2 | 2585.9 | 2440.0 | 1796.9 | 1021.3 | 366.7  | 102.9  |
| G81.0  | 513.7 | 1121.2 | 1982.0 | 2368.8 | 2414.4 | 2256.8 | 1680.2 | 939.1  | 318.5  | 98.1   |
| G82.0  | 450.7 | 1048.7 | 1847.9 | 2239.0 | 2295.0 | 2137.9 | 1568.2 | 862.2  | 276.7  | 94.1   |
| G83.0  | 392.5 | 979.1  | 1734.0 | 2128.9 | 2196.6 | 2031.3 | 1471.1 | 788.7  | 238.1  | 89.8   |
| G84.0  | 338.6 | 915.3  | 1623.2 | 2016.7 | 2099.2 | 1921.8 | 1384.5 | 717.5  | 198.9  | 85.8   |
| G85.0  | 287.9 | 852.8  | 1522.8 | 1904.6 | 1973.5 | 1815.0 | 1296.4 | 651.2  | 166.1  | 83.3   |
| G86.0  | 244.3 | 783.9  | 1414.8 | 1786.2 | 1840.6 | 1693.3 | 1206.1 | 591.0  | 137.1  | 80.2   |
| G87.0  | 203.6 | 718.1  | 1313.3 | 1648.1 | 1704.9 | 1566.0 | 1116.5 | 532.6  | 113.6  | 77.2   |
| G88.0  | 171.1 | 660.3  | 1212.5 | 1516.5 | 1569.6 | 1440.2 | 1029.9 | 479.7  | 94.7   | 74.2   |
| G89.0  | 139.5 | 608.4  | 1124.4 | 1399.7 | 1445.9 | 1330.9 | 945.5  | 433.2  | 81.2   | 71.4   |
| G90.0  | 113.2 | 557.7  | 1038.3 | 1290.0 | 1340.5 | 1222.5 | 865.0  | 392.2  | 71.3   | 68.8   |
| G91.0  | 90.7  | 511.2  | 948.8  | 1187.4 | 1244.1 | 1116.5 | 790.6  | 356.7  | 65.2   | 66.9   |
| G92.0  | 76.2  | 464.0  | 862.9  | 1098.5 | 1163.2 | 1022.8 | 721.9  | 323.8  | 61.8   | 64.7   |
| G93.0  | 66.8  | 422.7  | 786.3  | 1021.7 | 1088.4 | 935.5  | 658.4  | 291.2  | 59.2   | 62.6   |
| G94.0  | 61.0  | 386.0  | 709.7  | 949.3  | 1008.4 | 863.7  | 602.9  | 266.4  | 57.3   | 60.6   |
| G95.0  | 57.2  | 355.0  | 642.8  | 875.5  | 920.8  | 797.0  | 550.2  | 245.2  | 56.6   | 59.1   |
| G96.0  | 55.2  | 328.9  | 586.4  | 800.0  | 837.4  | 731.8  | 500.3  | 226.3  | 56.6   | 56.4   |
| G97.0  | 54.2  | 302.9  | 539.6  | 726.7  | 763.3  | 666.7  | 459.3  | 207.1  | 56.6   | 55.7   |
| G98.0  | 53.6  | 280.6  | 497.6  | 664.5  | 706.1  | 613.7  | 423.6  | 190.9  | 56.6   | 54.1   |
| G99.0  | 53.3  | 258.9  | 458.3  | 615.0  | 660.6  | 572.9  | 393.3  | 178.0  | 56.6   | 52.7   |
| G100.0 | 53.9  | 239.6  | 424.8  | 574.0  | 621.3  | 535.1  | 363.0  | 164.4  | 57.0   | 51.3   |
| G101.0 | 54.2  | 222.1  | 395.9  | 538.0  | 587.2  | 502.7  | 336.4  | 155.4  | 57.3   | 50.3   |
| G102.0 | 54.8  | 207.4  | 368.8  | 508.2  | 555.2  | 472.2  | 308.5  | 145.5  | 57.6   | 49.4   |
| G103.0 | 55.4  | 192.4  | 343.4  | 475.1  | 524.6  | 438.0  | 286.3  | 136.9  | 58.2   | 48.6   |
| G104.0 | 56.1  | 179.1  | 320.2  | 439.3  | 488.6  | 401.0  | 268.4  | 128.3  | 58.1   | 47.6   |
| G105.0 | 56.4  | 169.4  | 297.0  | 406.5  | 451.4  | 368.2  | 251.2  | 121.0  | 58.2   | 46.7   |
| G106.0 | 57.0  | 159.0  | 274.1  | 376.0  | 416.0  | 340.2  | 235.1  | 115.8  | 58.3   | 45.5   |
| G107.0 | 57.6  | 151.2  | 252.4  | 347.8  | 380.6  | 316.6  | 221.3  | 111.3  | 58.4   | 45.0   |
| G108.0 | 58.2  | 145.1  | 237.6  | 318.7  | 347.3  | 297.1  | 210.3  | 107.5  | 58.4   | 43.8   |
| G109.0 | 58.4  | 138.9  | 226.6  | 294.8  | 323.9  | 277.6  | 201.9  | 103.7  | 58.2   | 43.3   |
| G110.0 | 58.8  | 133.6  | 219.7  | 275.5  | 302.9  | 261.0  | 193.3  | 100.3  | 58.1   | 42.3   |

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 8.190 m

Humidity:

Inspector:

## Candlepower Table (Continue 3)

Unit: cd

| G\C    | C0.0 | C22.5 | C45.0 | C67.5 | C90.0 | C112.5 | C135.0 | C157.5 | C180.0 | C202.5 |
|--------|------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| G111.0 | 59.0 | 129.4 | 213.5 | 260.4 | 286.0 | 248.5  | 185.2  | 97.4   | 57.8   | 42.0   |
| G112.0 | 59.2 | 124.9 | 205.7 | 248.3 | 272.9 | 238.0  | 177.0  | 95.0   | 57.2   | 40.9   |
| G113.0 | 59.4 | 121.4 | 195.2 | 237.4 | 261.0 | 228.6  | 168.3  | 93.3   | 57.1   | 40.4   |
| G114.0 | 59.6 | 118.5 | 185.1 | 227.9 | 250.9 | 219.9  | 165.6  | 91.4   | 56.6   | 39.8   |
| G115.0 | 59.0 | 114.7 | 177.8 | 220.0 | 242.4 | 212.7  | 160.1  | 89.6   | 56.6   | 39.4   |
| G116.0 | 58.5 | 112.1 | 174.2 | 212.5 | 233.3 | 206.0  | 156.1  | 87.5   | 55.5   | 39.0   |
| G117.0 | 57.6 | 108.6 | 171.4 | 205.6 | 225.4 | 200.8  | 152.0  | 85.2   | 54.4   | 38.5   |
| G118.0 | 56.5 | 104.9 | 167.3 | 200.3 | 219.2 | 196.2  | 147.3  | 83.3   | 53.5   | 38.1   |
| G119.0 | 56.0 | 101.9 | 161.6 | 195.4 | 212.9 | 192.1  | 142.8  | 81.3   | 52.6   | 37.9   |
| G120.0 | 54.5 | 98.7  | 156.0 | 190.9 | 207.6 | 187.6  | 139.1  | 80.1   | 51.5   | 37.7   |
| G121.0 | 53.1 | 96.1  | 150.9 | 187.2 | 202.4 | 183.5  | 136.0  | 78.4   | 50.2   | 37.6   |
| G122.0 | 51.5 | 93.3  | 147.4 | 184.0 | 198.2 | 179.7  | 133.0  | 76.5   | 49.2   | 37.8   |
| G123.0 | 50.0 | 90.8  | 144.1 | 180.2 | 193.3 | 175.7  | 130.0  | 74.7   | 48.2   | 38.3   |
| G124.0 | 48.4 | 87.7  | 141.2 | 176.3 | 189.9 | 171.9  | 127.0  | 72.9   | 47.2   | 38.3   |
| G125.0 | 47.2 | 85.7  | 138.4 | 173.2 | 186.5 | 169.7  | 124.3  | 70.9   | 46.2   | 38.3   |
| G126.0 | 46.2 | 82.8  | 135.4 | 173.2 | 183.8 | 169.1  | 121.6  | 69.4   | 45.0   | 38.2   |
| G127.0 | 44.9 | 80.3  | 132.9 | 170.0 | 181.7 | 164.3  | 118.5  | 67.6   | 44.4   | 38.0   |
| G128.0 | 43.8 | 78.2  | 130.2 | 167.6 | 180.2 | 161.3  | 115.7  | 66.1   | 43.5   | 38.0   |
| G129.0 | 43.0 | 76.6  | 127.2 | 165.0 | 179.1 | 158.5  | 112.6  | 64.8   | 42.7   | 38.0   |
| G130.0 | 42.1 | 75.2  | 124.0 | 162.1 | 177.5 | 155.9  | 109.8  | 63.9   | 42.2   | 38.0   |
| G131.0 | 41.8 | 73.8  | 120.7 | 159.2 | 175.4 | 153.1  | 106.8  | 62.5   | 41.8   | 38.1   |
| G132.0 | 41.1 | 72.4  | 117.8 | 155.8 | 171.9 | 149.9  | 103.8  | 61.3   | 40.9   | 37.9   |
| G133.0 | 40.3 | 70.6  | 114.7 | 152.3 | 171.8 | 146.2  | 101.1  | 59.7   | 40.5   | 38.1   |
| G134.0 | 40.1 | 68.8  | 112.0 | 148.8 | 166.8 | 142.2  | 98.6   | 58.1   | 40.0   | 38.0   |
| G135.0 | 39.5 | 67.1  | 109.1 | 143.8 | 161.0 | 138.3  | 95.9   | 56.7   | 39.4   | 37.7   |
| G136.0 | 39.0 | 65.6  | 105.3 | 138.9 | 154.6 | 133.8  | 92.1   | 55.7   | 39.0   | 37.6   |
| G137.0 | 38.5 | 64.8  | 102.0 | 133.2 | 146.4 | 129.1  | 88.6   | 54.5   | 38.7   | 37.2   |
| G138.0 | 37.8 | 63.5  | 97.7  | 126.8 | 136.7 | 123.6  | 85.0   | 53.8   | 38.4   | 37.2   |
| G139.0 | 37.4 | 62.3  | 94.4  | 120.8 | 127.3 | 117.7  | 82.8   | 51.9   | 37.7   | 37.0   |
| G140.0 | 37.0 | 60.5  | 92.0  | 114.8 | 119.4 | 113.2  | 80.4   | 50.4   | 37.5   | 36.7   |
| G141.0 | 36.5 | 58.9  | 90.0  | 110.0 | 114.5 | 108.7  | 78.3   | 48.8   | 37.3   | 36.4   |
| G142.0 | 36.0 | 57.2  | 87.9  | 107.1 | 111.9 | 105.9  | 76.1   | 47.6   | 36.7   | 36.2   |
| G143.0 | 35.7 | 56.2  | 86.3  | 104.5 | 110.5 | 103.8  | 72.8   | 46.2   | 36.3   | 35.9   |
| G144.0 | 35.2 | 54.3  | 81.7  | 101.9 | 107.8 | 101.3  | 69.6   | 44.9   | 35.9   | 35.9   |
| G145.0 | 34.7 | 52.9  | 78.1  | 98.4  | 102.8 | 96.9   | 67.0   | 43.4   | 35.5   | 36.0   |
| G146.0 | 34.4 | 51.3  | 74.8  | 93.2  | 96.8  | 92.1   | 64.4   | 42.0   | 34.9   | 35.6   |
| G147.0 | 34.2 | 49.6  | 72.4  | 88.6  | 91.2  | 87.4   | 62.3   | 40.2   | 34.0   | 35.2   |

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:

## 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 | 33.3 | 47.6  | 70.1  | 85.4  | 87.6  | 84.1   | 60.5   | 39.0   | 33.4   | 35.0   |
| G149.0 | 33.5 | 45.9  | 68.1  | 82.1  | 85.2  | 81.2   | 58.2   | 37.6   | 33.4   | 34.6   |
| G150.0 | 32.9 | 44.3  | 65.3  | 79.0  | 83.3  | 78.4   | 55.4   | 36.1   | 32.6   | 34.1   |
| G151.0 | 32.4 | 42.7  | 62.4  | 75.8  | 79.6  | 75.1   | 52.7   | 34.8   | 32.0   | 33.3   |
| G152.0 | 32.0 | 41.4  | 59.5  | 71.7  | 74.7  | 71.2   | 50.4   | 33.3   | 31.4   | 33.3   |
| G153.0 | 31.8 | 39.7  | 57.1  | 68.2  | 70.2  | 67.6   | 48.4   | 31.6   | 30.8   | 32.7   |
| G154.0 | 31.3 | 37.9  | 54.8  | 64.1  | 67.1  | 64.6   | 46.5   | 30.7   | 30.2   | 32.1   |
| G155.0 | 30.7 | 36.6  | 52.6  | 61.6  | 64.5  | 61.9   | 44.3   | 29.8   | 29.7   | 31.7   |
| G156.0 | 30.2 | 35.0  | 50.5  | 58.8  | 62.3  | 59.8   | 42.1   | 29.1   | 29.3   | 31.5   |
| G157.0 | 29.7 | 33.3  | 48.0  | 56.6  | 59.7  | 57.4   | 40.0   | 28.3   | 28.5   | 31.0   |
| G158.0 | 29.6 | 31.8  | 45.2  | 53.3  | 56.3  | 54.3   | 37.5   | 27.8   | 28.0   | 30.7   |
| G159.0 | 29.0 | 30.1  | 42.4  | 50.1  | 52.8  | 51.0   | 35.4   | 27.2   | 27.7   | 30.1   |
| G160.0 | 28.4 | 28.6  | 40.5  | 47.0  | 49.5  | 48.4   | 33.4   | 26.2   | 27.1   | 29.8   |
| G161.0 | 28.1 | 27.4  | 38.3  | 44.2  | 47.0  | 46.0   | 31.4   | 26.0   | 26.8   | 29.3   |
| G162.0 | 27.7 | 27.1  | 36.1  | 42.0  | 45.2  | 43.9   | 29.3   | 25.4   | 26.0   | 28.9   |
| G163.0 | 27.4 | 26.2  | 33.9  | 40.0  | 42.8  | 41.3   | 27.1   | 24.8   | 25.7   | 28.6   |
| G164.0 | 26.6 | 26.0  | 31.8  | 37.6  | 40.3  | 38.8   | 25.6   | 24.3   | 25.4   | 28.1   |
| G165.0 | 26.4 | 25.2  | 29.8  | 35.1  | 37.8  | 36.4   | 23.6   | 24.2   | 24.9   | 27.7   |
| G166.0 | 25.9 | 24.9  | 27.9  | 32.7  | 35.5  | 34.0   | 21.8   | 23.4   | 24.5   | 27.5   |
| G167.0 | 25.6 | 24.5  | 25.9  | 30.8  | 33.3  | 31.7   | 20.7   | 23.1   | 23.8   | 27.0   |
| G168.0 | 25.2 | 24.0  | 23.8  | 28.7  | 31.1  | 30.1   | 20.6   | 22.7   | 23.6   | 26.6   |
| G169.0 | 24.8 | 23.9  | 23.0  | 26.7  | 29.1  | 27.9   | 20.3   | 22.7   | 23.6   | 26.6   |
| G170.0 | 24.5 | 23.6  | 23.0  | 24.9  | 27.6  | 25.8   | 20.2   | 22.3   | 23.5   | 26.0   |
| G171.0 | 23.8 | 23.2  | 23.4  | 23.2  | 25.8  | 25.7   | 20.5   | 21.9   | 23.5   | 25.6   |
| G172.0 | 23.8 | 23.3  | 23.5  | 23.7  | 25.8  | 26.1   | 20.6   | 21.9   | 23.5   | 26.6   |
| G173.0 | 23.5 | 23.4  | 23.8  | 24.2  | 26.4  | 26.6   | 20.7   | 21.6   | 23.5   | 26.4   |
| G174.0 | 23.3 | 23.4  | 24.0  | 24.8  | 27.4  | 25.9   | 20.9   | 21.5   | 23.5   | 26.3   |
| G175.0 | 23.5 | 23.2  | 24.2  | 25.7  | 27.9  | 25.9   | 21.1   | 21.6   | 23.2   | 26.0   |
| G176.0 | 23.2 | 23.4  | 24.9  | 26.4  | 28.3  | 25.9   | 21.6   | 21.6   | 23.2   | 25.5   |
| G177.0 | 23.2 | 23.7  | 25.5  | 26.9  | 29.2  | 26.6   | 21.7   | 21.7   | 23.2   | 25.5   |
| G178.0 | 23.2 | 23.7  | 26.1  | 28.0  | 30.0  | 27.0   | 22.4   | 21.9   | 23.4   | 25.1   |
| G179.0 | 23.0 | 24.6  | 26.5  | 28.7  | 30.6  | 27.6   | 22.6   | 22.1   | 23.2   | 24.9   |
| G180.0 | 23.2 | 24.6  | 27.3  | 29.5  | 29.2  | 28.4   | 23.1   | 22.1   | 23.4   | 24.6   |
|        |      |       |       |       |       |        |        |        |        |        |
|        |      |       |       |       |       |        |        |        |        |        |
|        |      |       |       |       |       |        |        |        |        |        |
|        |      |       |       |       |       |        |        |        |        |        |

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 8.190 m

Humidity:

Inspector:

## Candlepower Table (Continue 5)

Unit: cd

|       |        |        |        |        |        |        |        |  |  |  |
|-------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| G\C   | C225.0 | C247.5 | C270.0 | C292.5 | C315.0 | C337.5 | C360.0 |  |  |  |
| G0.0  | 2733.0 | 2733.0 | 2733.0 | 2733.0 | 2733.0 | 2733.0 | 2733.0 |  |  |  |
| G1.0  | 2603.3 | 2571.1 | 2558.7 | 2580.9 | 2625.6 | 2686.9 | 2741.8 |  |  |  |
| G2.0  | 2478.4 | 2406.6 | 2393.6 | 2427.1 | 2515.6 | 2630.9 | 2745.9 |  |  |  |
| G3.0  | 2354.2 | 2244.9 | 2219.2 | 2281.9 | 2403.5 | 2574.3 | 2752.5 |  |  |  |
| G4.0  | 2214.2 | 2067.6 | 2026.2 | 2118.3 | 2290.2 | 2517.8 | 2759.8 |  |  |  |
| G5.0  | 2064.0 | 1872.3 | 1820.8 | 1934.8 | 2174.4 | 2458.2 | 2760.4 |  |  |  |
| G6.0  | 1914.7 | 1674.9 | 1619.4 | 1747.7 | 2052.3 | 2394.6 | 2759.8 |  |  |  |
| G7.0  | 1754.1 | 1512.8 | 1457.5 | 1574.4 | 1913.9 | 2334.0 | 2759.8 |  |  |  |
| G8.0  | 1607.0 | 1370.3 | 1317.0 | 1428.0 | 1775.0 | 2273.6 | 2756.5 |  |  |  |
| G9.0  | 1485.7 | 1242.7 | 1189.3 | 1298.1 | 1640.2 | 2210.5 | 2753.0 |  |  |  |
| G10.0 | 1372.6 | 1132.1 | 1082.7 | 1183.5 | 1513.4 | 2150.5 | 2747.4 |  |  |  |
| G11.0 | 1269.3 | 1042.4 | 1006.2 | 1086.1 | 1403.3 | 2078.7 | 2743.7 |  |  |  |
| G12.0 | 1178.1 | 976.8  | 944.7  | 1006.4 | 1307.9 | 2008.1 | 2736.4 |  |  |  |
| G13.0 | 1094.0 | 913.2  | 865.6  | 943.9  | 1211.1 | 1935.7 | 2728.4 |  |  |  |
| G14.0 | 1022.3 | 836.4  | 798.2  | 885.8  | 1130.0 | 1859.9 | 2720.0 |  |  |  |
| G15.0 | 964.8  | 778.2  | 738.7  | 811.5  | 1055.9 | 1789.5 | 2712.9 |  |  |  |
| G16.0 | 911.7  | 721.5  | 681.6  | 753.3  | 990.3  | 1716.3 | 2696.5 |  |  |  |
| G17.0 | 849.2  | 665.7  | 628.9  | 701.6  | 937.1  | 1644.1 | 2682.8 |  |  |  |
| G18.0 | 791.6  | 615.5  | 577.9  | 651.6  | 888.5  | 1569.4 | 2661.1 |  |  |  |
| G19.0 | 742.5  | 567.9  | 518.7  | 601.5  | 835.0  | 1504.7 | 2643.7 |  |  |  |
| G20.0 | 697.1  | 513.5  | 473.8  | 555.5  | 776.6  | 1439.9 | 2625.2 |  |  |  |
| G21.0 | 653.1  | 469.8  | 434.4  | 501.2  | 733.4  | 1380.2 | 2603.4 |  |  |  |
| G22.0 | 612.1  | 433.9  | 400.7  | 460.0  | 690.2  | 1330.3 | 2583.5 |  |  |  |
| G23.0 | 569.4  | 400.4  | 363.3  | 426.8  | 650.9  | 1280.6 | 2561.7 |  |  |  |
| G24.0 | 528.3  | 365.1  | 331.6  | 393.4  | 611.3  | 1234.5 | 2546.8 |  |  |  |
| G25.0 | 485.3  | 332.5  | 306.4  | 360.3  | 575.9  | 1188.6 | 2528.7 |  |  |  |
| G26.0 | 450.5  | 306.3  | 284.0  | 327.4  | 540.9  | 1144.7 | 2512.0 |  |  |  |
| G27.0 | 420.9  | 284.3  | 257.8  | 302.2  | 500.7  | 1100.6 | 2493.3 |  |  |  |
| G28.0 | 393.0  | 260.4  | 236.9  | 279.7  | 462.0  | 1061.3 | 2472.1 |  |  |  |
| G29.0 | 365.9  | 238.5  | 219.2  | 258.3  | 433.5  | 1029.2 | 2454.8 |  |  |  |
| G30.0 | 335.3  | 221.1  | 199.2  | 234.7  | 407.2  | 1000.5 | 2435.9 |  |  |  |
| G31.0 | 311.9  | 201.9  | 180.6  | 216.0  | 381.4  | 973.2  | 2420.0 |  |  |  |
| G32.0 | 290.8  | 182.8  | 165.4  | 198.8  | 356.2  | 947.5  | 2403.0 |  |  |  |
| G33.0 | 271.3  | 166.0  | 148.1  | 179.6  | 328.3  | 920.9  | 2382.0 |  |  |  |
| G34.0 | 250.8  | 150.6  | 132.2  | 163.9  | 306.0  | 894.5  | 2360.2 |  |  |  |
| G35.0 | 231.4  | 134.4  | 116.2  | 148.0  | 286.5  | 867.0  | 2332.7 |  |  |  |
| G36.0 | 214.0  | 118.9  | 100.7  | 131.2  | 268.7  | 833.7  | 2312.1 |  |  |  |

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 6)

Unit: cd

| G\C   | C225.0 | C247.5 | C270.0 | C292.5 | C315.0 | C337.5 | C360.0 |  |  |  |
|-------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| G37.0 | 197.7  | 103.8  | 87.1   | 116.9  | 249.7  | 805.8  | 2291.1 |  |  |  |
| G38.0 | 180.6  | 89.8   | 73.5   | 102.7  | 230.1  | 781.9  | 2270.0 |  |  |  |
| G39.0 | 166.3  | 76.7   | 60.1   | 88.5   | 214.4  | 759.7  | 2247.4 |  |  |  |
| G40.0 | 151.5  | 63.4   | 49.0   | 76.3   | 199.5  | 737.8  | 2223.1 |  |  |  |
| G41.0 | 137.2  | 51.7   | 37.9   | 63.9   | 183.2  | 714.6  | 2196.8 |  |  |  |
| G42.0 | 123.0  | 41.2   | 26.1   | 51.8   | 167.6  | 692.9  | 2173.1 |  |  |  |
| G43.0 | 110.6  | 30.3   | 12.1   | 41.3   | 156.9  | 669.5  | 2147.5 |  |  |  |
| G44.0 | 99.0   | 18.8   | 4.5    | 31.6   | 143.1  | 649.3  | 2122.7 |  |  |  |
| G45.0 | 86.4   | 5.4    | 4.7    | 20.9   | 130.0  | 628.6  | 2099.9 |  |  |  |
| G46.0 | 76.7   | 4.3    | 4.5    | 8.5    | 118.6  | 603.7  | 2074.1 |  |  |  |
| G47.0 | 66.8   | 4.2    | 4.7    | 4.3    | 107.3  | 581.9  | 2049.8 |  |  |  |
| G48.0 | 57.2   | 4.3    | 4.9    | 4.1    | 96.0   | 564.2  | 2023.1 |  |  |  |
| G49.0 | 49.2   | 4.3    | 4.7    | 4.4    | 85.8   | 545.3  | 1998.2 |  |  |  |
| G50.0 | 41.2   | 4.5    | 4.7    | 4.4    | 76.8   | 528.8  | 1971.6 |  |  |  |
| G51.0 | 32.3   | 4.7    | 4.8    | 4.4    | 68.1   | 511.7  | 1949.2 |  |  |  |
| G52.0 | 25.6   | 4.3    | 5.0    | 4.5    | 60.4   | 491.8  | 1926.0 |  |  |  |
| G53.0 | 25.0   | 4.6    | 4.7    | 4.5    | 53.3   | 472.9  | 1903.7 |  |  |  |
| G54.0 | 24.6   | 4.7    | 4.5    | 4.7    | 45.8   | 457.2  | 1878.1 |  |  |  |
| G55.0 | 24.1   | 4.7    | 4.9    | 4.6    | 39.4   | 439.7  | 1854.0 |  |  |  |
| G56.0 | 23.8   | 4.8    | 5.0    | 5.0    | 38.7   | 424.4  | 1834.1 |  |  |  |
| G57.0 | 23.2   | 5.0    | 4.9    | 4.7    | 38.1   | 407.5  | 1807.4 |  |  |  |
| G58.0 | 22.9   | 4.8    | 5.0    | 5.0    | 37.6   | 394.1  | 1780.3 |  |  |  |
| G59.0 | 22.5   | 4.8    | 5.3    | 5.1    | 37.3   | 379.7  | 1750.4 |  |  |  |
| G60.0 | 22.4   | 5.1    | 5.3    | 5.3    | 36.9   | 364.6  | 1717.5 |  |  |  |
| G61.0 | 22.2   | 5.3    | 5.4    | 5.2    | 36.3   | 351.9  | 1686.5 |  |  |  |
| G62.0 | 21.9   | 5.4    | 5.5    | 5.6    | 36.0   | 337.8  | 1644.6 |  |  |  |
| G63.0 | 21.8   | 5.3    | 5.9    | 5.6    | 35.9   | 326.4  | 1601.3 |  |  |  |
| G64.0 | 21.5   | 5.4    | 5.9    | 5.9    | 35.2   | 313.1  | 1561.6 |  |  |  |
| G65.0 | 21.3   | 5.8    | 6.1    | 5.9    | 34.8   | 298.8  | 1522.6 |  |  |  |
| G66.0 | 21.2   | 5.9    | 6.2    | 6.4    | 34.5   | 288.0  | 1477.8 |  |  |  |
| G67.0 | 21.2   | 6.0    | 6.3    | 6.4    | 34.1   | 276.3  | 1431.3 |  |  |  |
| G68.0 | 21.0   | 6.0    | 6.3    | 6.7    | 33.5   | 263.9  | 1367.0 |  |  |  |
| G69.0 | 20.7   | 6.4    | 6.6    | 6.9    | 33.5   | 251.5  | 1306.0 |  |  |  |
| G70.0 | 20.6   | 6.5    | 6.8    | 7.1    | 33.1   | 239.2  | 1241.6 |  |  |  |
| G71.0 | 20.5   | 7.1    | 6.9    | 7.3    | 32.6   | 228.4  | 1180.1 |  |  |  |
| G72.0 | 20.4   | 7.0    | 7.5    | 7.8    | 32.1   | 218.3  | 1118.6 |  |  |  |
| G73.0 | 20.5   | 7.2    | 7.9    | 7.9    | 32.1   | 208.7  | 1051.8 |  |  |  |

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 8.190 m

Humidity:

Inspector:



## Candlepower Table (Continue 7)

Unit: cd

| G\C    | C225.0 | C247.5 | C270.0 | C292.5 | C315.0 | C337.5 | C360.0 |  |  |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| G74.0  | 20.5   | 7.2    | 8.3    | 8.2    | 31.4   | 197.6  | 983.3  |  |  |  |
| G75.0  | 20.6   | 7.7    | 8.4    | 8.4    | 31.1   | 187.8  | 909.7  |  |  |  |
| G76.0  | 20.6   | 8.1    | 9.0    | 8.6    | 30.5   | 177.7  | 832.5  |  |  |  |
| G77.0  | 20.4   | 8.6    | 9.3    | 8.8    | 30.0   | 167.3  | 761.6  |  |  |  |
| G78.0  | 20.4   | 8.9    | 9.7    | 9.0    | 29.4   | 157.5  | 695.4  |  |  |  |
| G79.0  | 20.6   | 9.3    | 10.5   | 9.5    | 29.0   | 147.6  | 632.6  |  |  |  |
| G80.0  | 20.2   | 9.7    | 10.6   | 9.8    | 28.6   | 138.3  | 577.3  |  |  |  |
| G81.0  | 20.2   | 10.4   | 11.0   | 10.2   | 28.3   | 130.2  | 513.7  |  |  |  |
| G82.0  | 20.4   | 10.7   | 11.6   | 10.9   | 27.8   | 122.1  | 450.7  |  |  |  |
| G83.0  | 20.5   | 11.2   | 12.1   | 11.2   | 27.1   | 114.5  | 392.5  |  |  |  |
| G84.0  | 20.5   | 11.8   | 12.7   | 11.7   | 26.9   | 109.3  | 338.6  |  |  |  |
| G85.0  | 20.5   | 12.4   | 13.2   | 12.4   | 26.4   | 102.6  | 287.9  |  |  |  |
| G86.0  | 20.6   | 12.8   | 13.8   | 13.0   | 26.1   | 97.2   | 244.3  |  |  |  |
| G87.0  | 20.9   | 13.0   | 14.2   | 13.4   | 25.8   | 92.4   | 203.6  |  |  |  |
| G88.0  | 21.2   | 13.8   | 14.7   | 14.0   | 25.4   | 87.3   | 171.1  |  |  |  |
| G89.0  | 21.2   | 14.2   | 15.4   | 14.7   | 25.4   | 83.1   | 139.5  |  |  |  |
| G90.0  | 21.6   | 15.0   | 15.8   | 15.1   | 25.0   | 79.6   | 113.2  |  |  |  |
| G91.0  | 21.7   | 15.6   | 16.5   | 15.9   | 24.9   | 76.5   | 90.7   |  |  |  |
| G92.0  | 21.9   | 15.8   | 17.2   | 16.3   | 24.9   | 73.3   | 76.2   |  |  |  |
| G93.0  | 22.2   | 16.5   | 17.8   | 16.9   | 25.1   | 70.8   | 66.8   |  |  |  |
| G94.0  | 22.8   | 17.3   | 18.5   | 17.4   | 25.0   | 67.8   | 61.0   |  |  |  |
| G95.0  | 22.9   | 17.7   | 19.0   | 18.0   | 25.1   | 65.7   | 57.2   |  |  |  |
| G96.0  | 23.4   | 18.4   | 19.5   | 18.7   | 25.4   | 63.4   | 55.2   |  |  |  |
| G97.0  | 23.6   | 19.1   | 20.3   | 19.3   | 25.4   | 61.5   | 54.2   |  |  |  |
| G98.0  | 24.0   | 19.8   | 20.9   | 19.9   | 25.6   | 59.9   | 53.6   |  |  |  |
| G99.0  | 24.6   | 20.4   | 21.4   | 20.6   | 25.5   | 58.7   | 53.3   |  |  |  |
| G100.0 | 25.0   | 21.1   | 22.2   | 21.2   | 26.1   | 57.4   | 53.9   |  |  |  |
| G101.0 | 25.3   | 21.6   | 23.1   | 21.9   | 26.1   | 56.1   | 54.2   |  |  |  |
| G102.0 | 25.7   | 22.5   | 23.8   | 22.5   | 26.5   | 55.1   | 54.8   |  |  |  |
| G103.0 | 26.3   | 23.3   | 24.3   | 23.2   | 26.8   | 53.9   | 55.4   |  |  |  |
| G104.0 | 26.5   | 23.4   | 25.2   | 23.5   | 26.9   | 53.4   | 56.1   |  |  |  |
| G105.0 | 27.0   | 24.5   | 26.0   | 24.6   | 27.2   | 51.7   | 56.4   |  |  |  |
| G106.0 | 27.6   | 25.1   | 26.8   | 25.2   | 27.5   | 50.8   | 57.0   |  |  |  |
| G107.0 | 27.8   | 25.5   | 27.5   | 25.7   | 27.9   | 49.6   | 57.6   |  |  |  |
| G108.0 | 28.2   | 26.4   | 28.1   | 26.4   | 28.0   | 48.5   | 58.2   |  |  |  |
| G109.0 | 28.8   | 27.2   | 29.0   | 27.0   | 28.5   | 47.4   | 58.4   |  |  |  |
| G110.0 | 29.2   | 27.5   | 29.5   | 27.7   | 29.1   | 46.2   | 58.8   |  |  |  |

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 8)

Unit: cd

| G\C    | C225.0 | C247.5 | C270.0 | C292.5 | C315.0 | C337.5 | C360.0 |  |  |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| G111.0 | 29.6   | 28.3   | 30.4   | 28.4   | 29.1   | 45.4   | 59.0   |  |  |  |
| G112.0 | 30.1   | 28.9   | 31.1   | 29.0   | 29.7   | 44.2   | 59.2   |  |  |  |
| G113.0 | 30.6   | 29.7   | 31.6   | 29.6   | 30.1   | 43.1   | 59.4   |  |  |  |
| G114.0 | 30.8   | 30.3   | 32.4   | 30.1   | 30.3   | 42.3   | 59.6   |  |  |  |
| G115.0 | 31.0   | 30.9   | 33.0   | 30.5   | 30.6   | 41.7   | 59.0   |  |  |  |
| G116.0 | 31.6   | 31.4   | 33.4   | 31.1   | 31.1   | 40.9   | 58.5   |  |  |  |
| G117.0 | 32.1   | 32.1   | 34.1   | 32.1   | 31.3   | 40.2   | 57.6   |  |  |  |
| G118.0 | 32.6   | 32.7   | 34.7   | 32.7   | 31.7   | 39.6   | 56.5   |  |  |  |
| G119.0 | 32.6   | 33.3   | 35.2   | 32.8   | 32.1   | 39.4   | 56.0   |  |  |  |
| G120.0 | 33.2   | 33.3   | 35.8   | 33.5   | 32.1   | 38.7   | 54.5   |  |  |  |
| G121.0 | 33.7   | 33.9   | 36.1   | 33.8   | 32.3   | 38.1   | 53.1   |  |  |  |
| G122.0 | 33.6   | 34.5   | 36.8   | 34.2   | 32.8   | 37.7   | 51.5   |  |  |  |
| G123.0 | 33.8   | 35.4   | 37.3   | 34.2   | 33.2   | 37.1   | 50.0   |  |  |  |
| G124.0 | 34.4   | 35.9   | 37.6   | 34.9   | 33.3   | 36.9   | 48.4   |  |  |  |
| G125.0 | 34.7   | 36.1   | 38.3   | 35.6   | 33.5   | 36.5   | 47.2   |  |  |  |
| G126.0 | 34.9   | 36.3   | 38.4   | 36.2   | 33.8   | 36.3   | 46.2   |  |  |  |
| G127.0 | 35.0   | 36.8   | 39.0   | 36.3   | 33.9   | 35.8   | 44.9   |  |  |  |
| G128.0 | 35.3   | 37.2   | 39.2   | 36.8   | 34.2   | 35.7   | 43.8   |  |  |  |
| G129.0 | 35.5   | 37.6   | 39.7   | 37.3   | 34.6   | 35.5   | 43.0   |  |  |  |
| G130.0 | 35.6   | 37.8   | 40.0   | 37.4   | 34.6   | 35.5   | 42.1   |  |  |  |
| G131.0 | 36.0   | 38.3   | 40.1   | 38.0   | 34.7   | 35.3   | 41.8   |  |  |  |
| G132.0 | 36.0   | 38.4   | 40.3   | 38.2   | 35.1   | 35.2   | 41.1   |  |  |  |
| G133.0 | 36.1   | 38.5   | 40.6   | 38.3   | 34.9   | 35.0   | 40.3   |  |  |  |
| G134.0 | 36.2   | 38.8   | 40.7   | 38.3   | 35.1   | 35.2   | 40.1   |  |  |  |
| G135.0 | 36.6   | 38.8   | 40.9   | 38.8   | 35.3   | 34.7   | 39.5   |  |  |  |
| G136.0 | 36.5   | 39.1   | 41.3   | 38.7   | 35.2   | 34.7   | 39.0   |  |  |  |
| G137.0 | 36.5   | 39.3   | 41.5   | 38.9   | 35.4   | 34.4   | 38.5   |  |  |  |
| G138.0 | 36.7   | 39.4   | 41.5   | 39.2   | 35.4   | 34.4   | 37.8   |  |  |  |
| G139.0 | 37.6   | 39.7   | 41.7   | 39.3   | 35.5   | 34.3   | 37.4   |  |  |  |
| G140.0 | 37.6   | 39.7   | 42.0   | 39.4   | 35.2   | 34.2   | 37.0   |  |  |  |
| G141.0 | 37.8   | 39.8   | 42.0   | 39.6   | 35.4   | 34.0   | 36.5   |  |  |  |
| G142.0 | 37.9   | 39.7   | 42.0   | 39.6   | 35.1   | 34.1   | 36.0   |  |  |  |
| G143.0 | 37.5   | 40.0   | 42.0   | 39.8   | 35.1   | 33.9   | 35.7   |  |  |  |
| G144.0 | 37.1   | 39.7   | 42.0   | 39.6   | 35.2   | 33.7   | 35.2   |  |  |  |
| G145.0 | 37.0   | 39.8   | 41.6   | 40.0   | 35.1   | 33.6   | 34.7   |  |  |  |
| G146.0 | 37.0   | 39.7   | 41.9   | 40.0   | 34.6   | 33.2   | 34.4   |  |  |  |
| G147.0 | 36.6   | 40.0   | 41.6   | 40.0   | 34.7   | 33.0   | 34.2   |  |  |  |

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:

## Candlepower Table (Continue 9)

Unit: cd

| G\C    | C225.0 | C247.5 | C270.0 | C292.5 | C315.0 | C337.5 | C360.0 |  |  |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| G148.0 | 36.4   | 39.7   | 41.6   | 39.6   | 34.5   | 32.8   | 33.3   |  |  |  |
| G149.0 | 36.2   | 39.6   | 41.9   | 39.5   | 34.1   | 32.6   | 33.5   |  |  |  |
| G150.0 | 35.8   | 39.7   | 41.3   | 39.6   | 34.1   | 32.2   | 32.9   |  |  |  |
| G151.0 | 35.8   | 40.0   | 41.3   | 39.4   | 34.0   | 32.0   | 32.4   |  |  |  |
| G152.0 | 35.6   | 40.8   | 41.0   | 39.0   | 33.8   | 31.7   | 32.0   |  |  |  |
| G153.0 | 35.6   | 40.8   | 40.7   | 38.8   | 33.3   | 31.7   | 31.8   |  |  |  |
| G154.0 | 34.9   | 40.8   | 40.7   | 38.6   | 33.1   | 31.2   | 31.3   |  |  |  |
| G155.0 | 34.6   | 40.7   | 40.4   | 38.6   | 32.6   | 30.9   | 30.7   |  |  |  |
| G156.0 | 34.4   | 40.3   | 40.1   | 38.3   | 32.4   | 30.4   | 30.2   |  |  |  |
| G157.0 | 34.2   | 40.3   | 40.0   | 38.1   | 32.1   | 29.9   | 29.7   |  |  |  |
| G158.0 | 33.8   | 39.7   | 39.6   | 37.9   | 32.0   | 29.7   | 29.6   |  |  |  |
| G159.0 | 33.7   | 39.1   | 41.9   | 37.3   | 32.0   | 29.3   | 29.0   |  |  |  |
| G160.0 | 33.5   | 38.5   | 42.0   | 37.0   | 31.8   | 29.0   | 28.4   |  |  |  |
| G161.0 | 33.2   | 38.3   | 42.5   | 36.4   | 31.3   | 28.3   | 28.1   |  |  |  |
| G162.0 | 32.7   | 37.4   | 42.0   | 36.6   | 31.0   | 28.0   | 27.7   |  |  |  |
| G163.0 | 32.6   | 37.2   | 41.5   | 35.7   | 30.9   | 27.4   | 27.4   |  |  |  |
| G164.0 | 32.1   | 36.5   | 40.7   | 35.1   | 30.1   | 27.2   | 26.6   |  |  |  |
| G165.0 | 31.8   | 35.9   | 39.2   | 35.0   | 29.8   | 26.6   | 26.4   |  |  |  |
| G166.0 | 31.6   | 35.7   | 38.3   | 34.7   | 29.7   | 26.2   | 25.9   |  |  |  |
| G167.0 | 31.0   | 35.0   | 37.8   | 34.1   | 29.1   | 26.2   | 25.6   |  |  |  |
| G168.0 | 30.9   | 34.3   | 37.1   | 33.5   | 28.6   | 25.7   | 25.2   |  |  |  |
| G169.0 | 30.4   | 33.3   | 36.6   | 33.7   | 28.4   | 25.1   | 24.8   |  |  |  |
| G170.0 | 30.1   | 33.3   | 35.9   | 34.4   | 27.7   | 25.0   | 24.5   |  |  |  |
| G171.0 | 29.7   | 32.4   | 35.1   | 34.5   | 27.5   | 24.8   | 23.8   |  |  |  |
| G172.0 | 29.3   | 31.6   | 34.0   | 34.0   | 26.6   | 24.2   | 23.8   |  |  |  |
| G173.0 | 29.0   | 31.2   | 33.4   | 33.4   | 26.5   | 24.0   | 23.5   |  |  |  |
| G174.0 | 29.7   | 30.8   | 32.7   | 32.7   | 25.9   | 24.0   | 23.3   |  |  |  |
| G175.0 | 29.8   | 30.2   | 32.1   | 32.3   | 25.6   | 23.6   | 23.5   |  |  |  |
| G176.0 | 29.2   | 30.3   | 31.2   | 31.4   | 25.1   | 23.2   | 23.2   |  |  |  |
| G177.0 | 28.6   | 30.9   | 30.5   | 30.9   | 24.7   | 23.1   | 23.2   |  |  |  |
| G178.0 | 28.0   | 30.2   | 30.3   | 30.1   | 24.3   | 22.7   | 23.2   |  |  |  |
| G179.0 | 27.9   | 29.5   | 29.9   | 29.2   | 23.8   | 22.8   | 23.0   |  |  |  |
| G180.0 | 27.3   | 28.7   | 30.9   | 28.8   | 23.3   | 22.4   | 23.2   |  |  |  |
|        |        |        |        |        |        |        |        |  |  |  |
|        |        |        |        |        |        |        |        |  |  |  |
|        |        |        |        |        |        |        |        |  |  |  |
|        |        |        |        |        |        |        |        |  |  |  |

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: