

Report No.:

Test Time: 2016-05-26 10:34

## Luminaire Property

Luminaire Manufacturer:

Luminaire Description: MR0530KSM-53WFL Voltage: 11.9 V

Current: 0.555 A

Power: 4.90 W

Power Factor: 0.737

## Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 330.3 lm

Measurement Flux: 330.3 lm

Efficiency: 100%

Downward Ratio: 100%

Upward Ratio: 0%

Horizontal Diffuse Angle(10%,25%,50%,75%): H81.6,H64.7,H45.9,H29.3

Vertical Diffuse Angle(10%,25%,50%,75%): V81.4,V64.6,V46.3,V29.8

Luminaire Efficacy Rating (LER): 67.46

Central Intensity: 457 cd

Max. Intensity: 472.62 cd

Pos of Max. Intensity: H0 V5

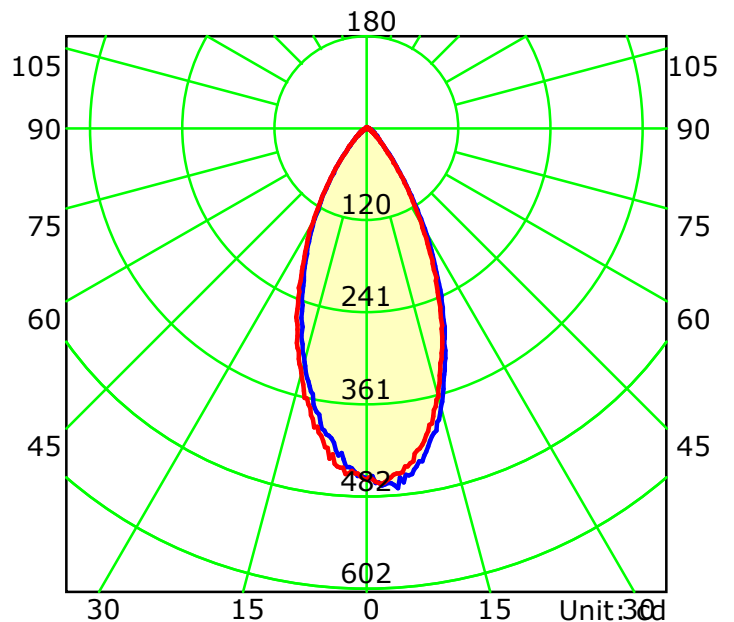
S/MH(C0/C180): 0.72

S/MH(C90/C270): 0.73

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 45.7°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 45.0

Gamma Plane (°):0.0-180.0:0.5

Test Lab:

Test Device: GPM-1600

Test Type: TYPE C

Distance: 8.177 m

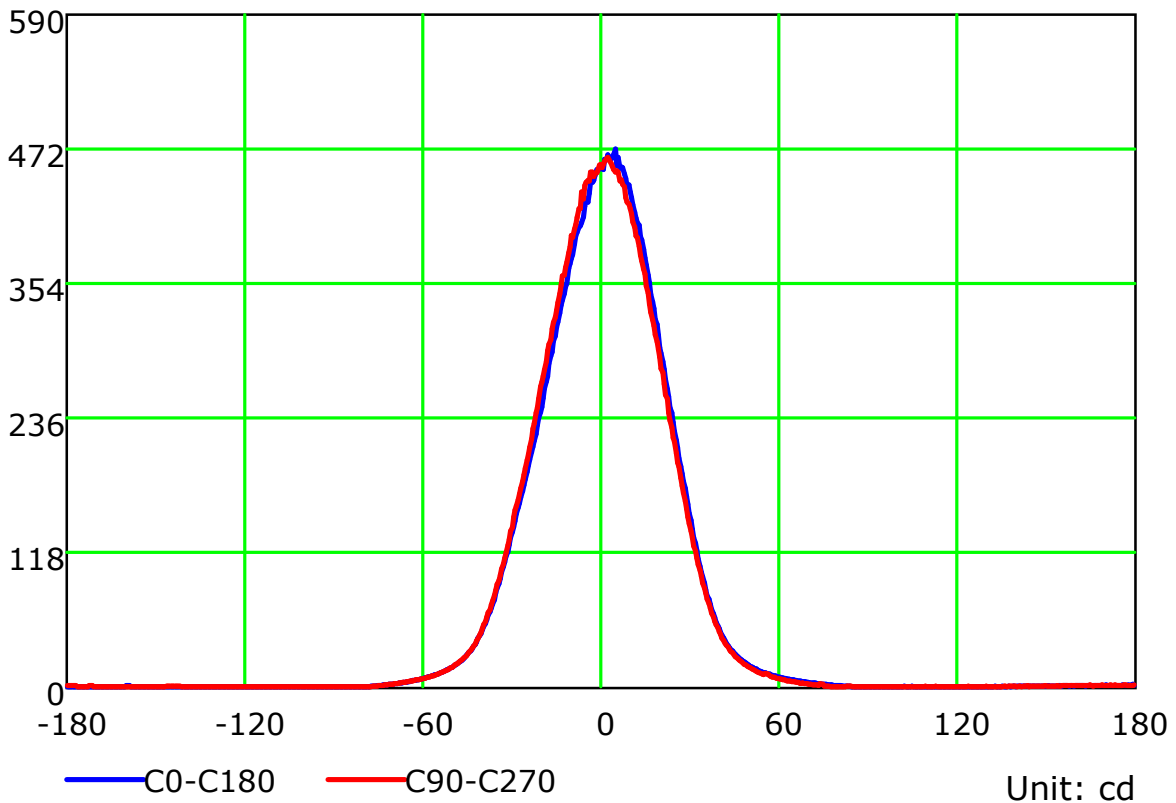
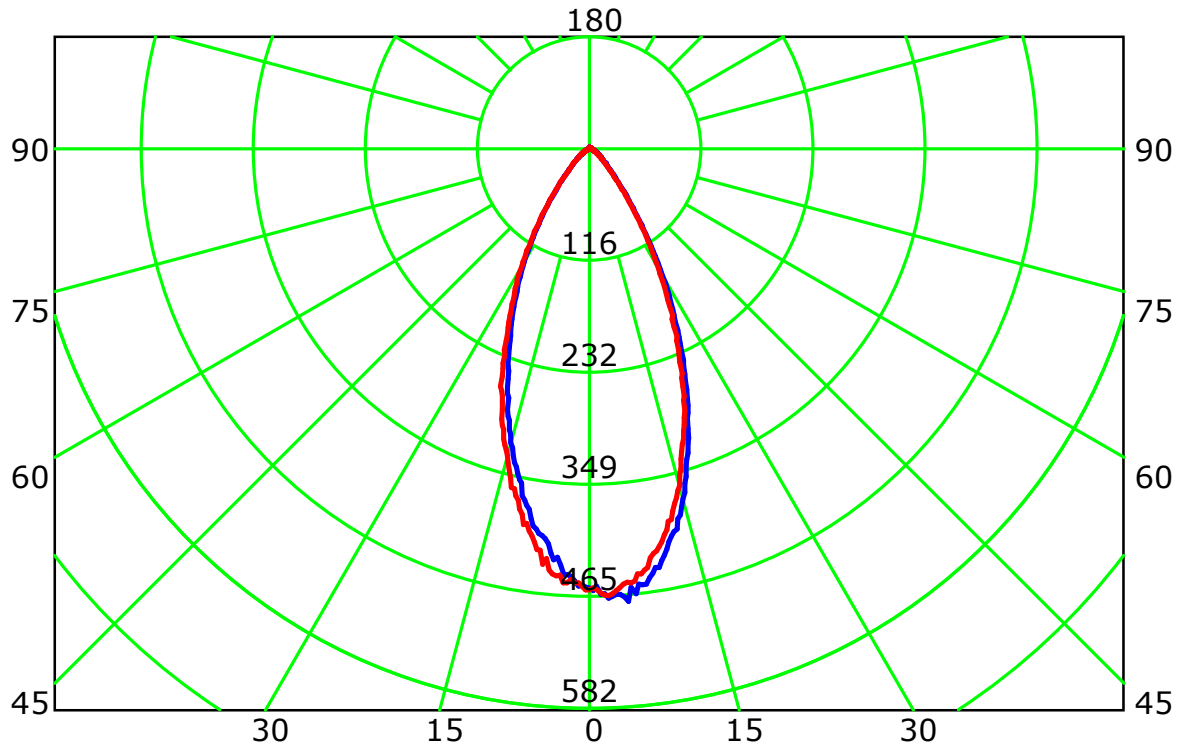
Temperature:

Humidity:

Operator:

Inspector:

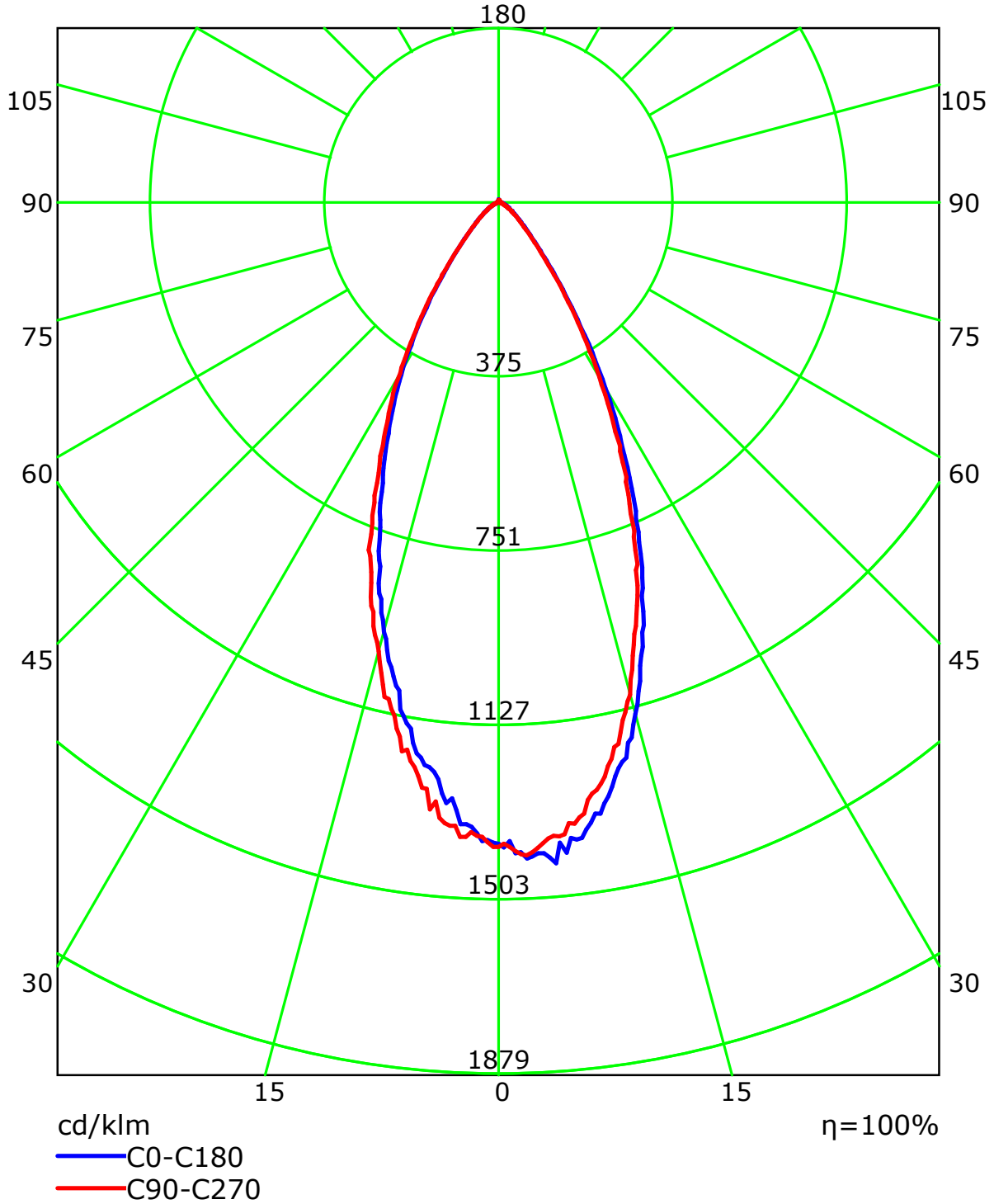
## Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Luminous Intensity Distribution Curve(cd/klm)



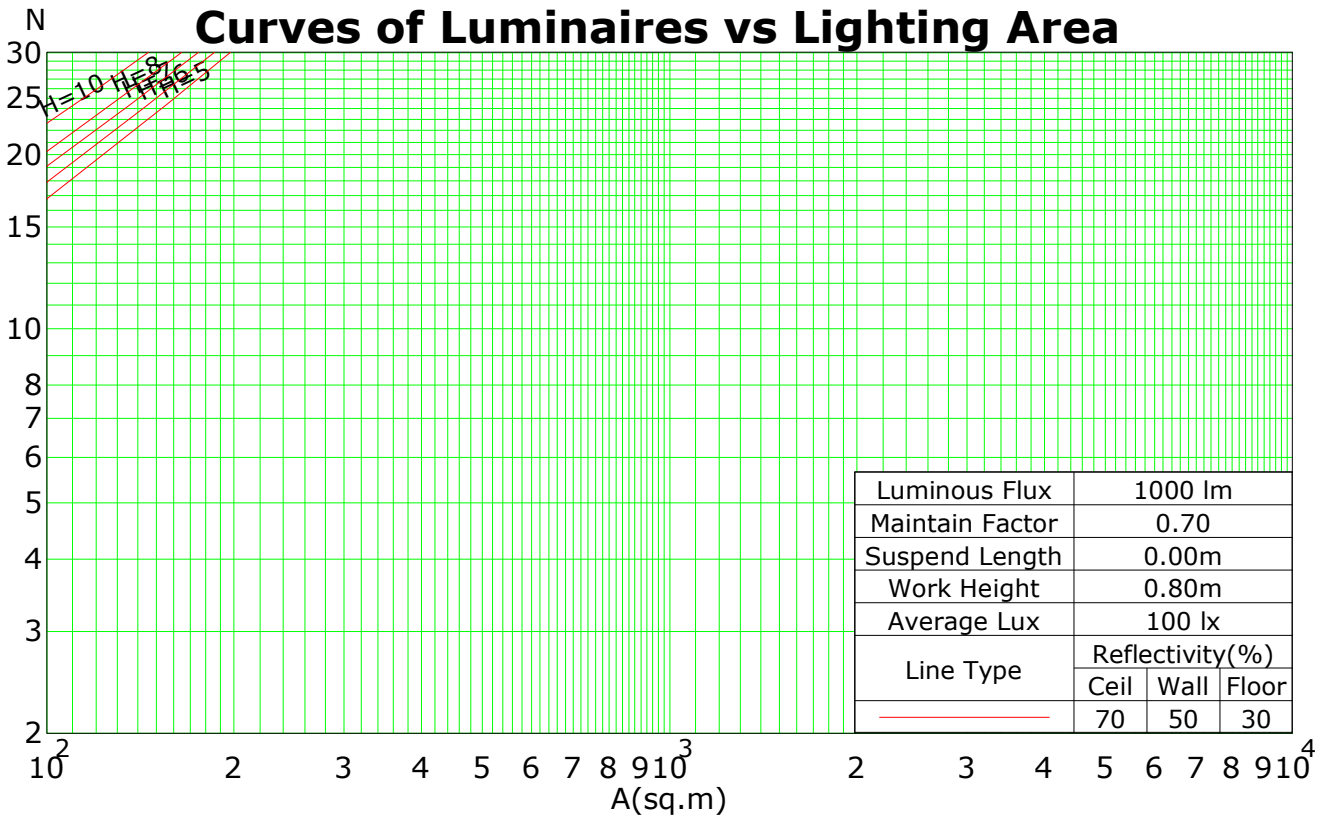
C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

### Coefficients Of Utilization - Zonal Cavity Method

|     |          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RC  | 0.8      | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0.3 | 0.3 | 0.3 | 0.1 | 0.1 | 0.1 | 0   |
| RW  | 0.7      | 0.5 | 0.3 | 0.1 | 0.7 | 0.5 | 0.3 | 0.1 | 0.5 | 0.3 | 0.1 | 0.5 | 0.3 | 0.1 | 0.5 | 0.3 | 0.1 | 0   |
| RCR | RF = 0.2 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119      | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1   | 113      | 110 | 108 | 106 | 111 | 108 | 106 | 104 | 104 | 102 | 101 | 100 | 99  | 98  | 97  | 96  | 95  | 93  |
| 2   | 107      | 102 | 98  | 95  | 105 | 101 | 97  | 94  | 97  | 94  | 92  | 94  | 92  | 90  | 91  | 89  | 88  | 86  |
| 3   | 102      | 95  | 90  | 86  | 100 | 94  | 89  | 85  | 91  | 87  | 84  | 89  | 85  | 83  | 86  | 84  | 81  | 80  |
| 4   | 97       | 89  | 83  | 79  | 95  | 88  | 82  | 78  | 86  | 81  | 77  | 83  | 80  | 77  | 82  | 78  | 76  | 74  |
| 5   | 92       | 83  | 77  | 73  | 90  | 82  | 77  | 73  | 80  | 76  | 72  | 79  | 75  | 71  | 77  | 73  | 71  | 69  |
| 6   | 87       | 78  | 72  | 68  | 86  | 77  | 72  | 68  | 76  | 71  | 67  | 74  | 70  | 67  | 73  | 69  | 66  | 65  |
| 7   | 83       | 74  | 68  | 63  | 82  | 73  | 67  | 63  | 72  | 66  | 63  | 70  | 66  | 62  | 69  | 65  | 62  | 61  |
| 8   | 79       | 69  | 63  | 59  | 78  | 69  | 63  | 59  | 68  | 63  | 59  | 67  | 62  | 59  | 66  | 62  | 58  | 57  |
| 9   | 75       | 66  | 60  | 56  | 74  | 65  | 60  | 56  | 64  | 59  | 56  | 63  | 59  | 55  | 63  | 58  | 55  | 54  |
| 10  | 72       | 62  | 57  | 53  | 71  | 62  | 56  | 53  | 61  | 56  | 52  | 60  | 56  | 52  | 60  | 55  | 52  | 51  |

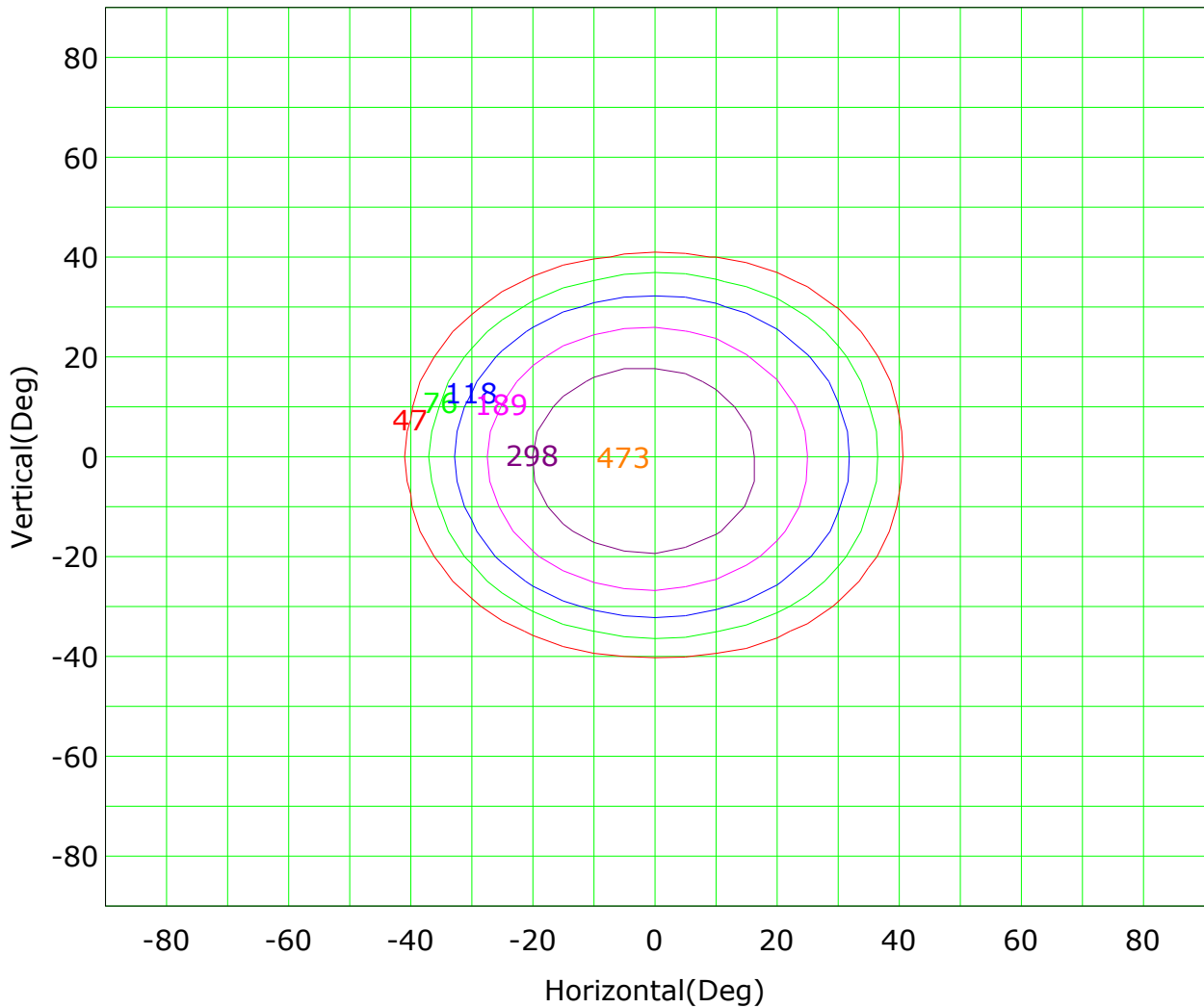
Spacing Criteria (0-180): 0.72  
 Spacing Criteria (90-270): 0.73  
 Spacing Criteria (Diagonal): 0.76



C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Isocandela (rectangle)



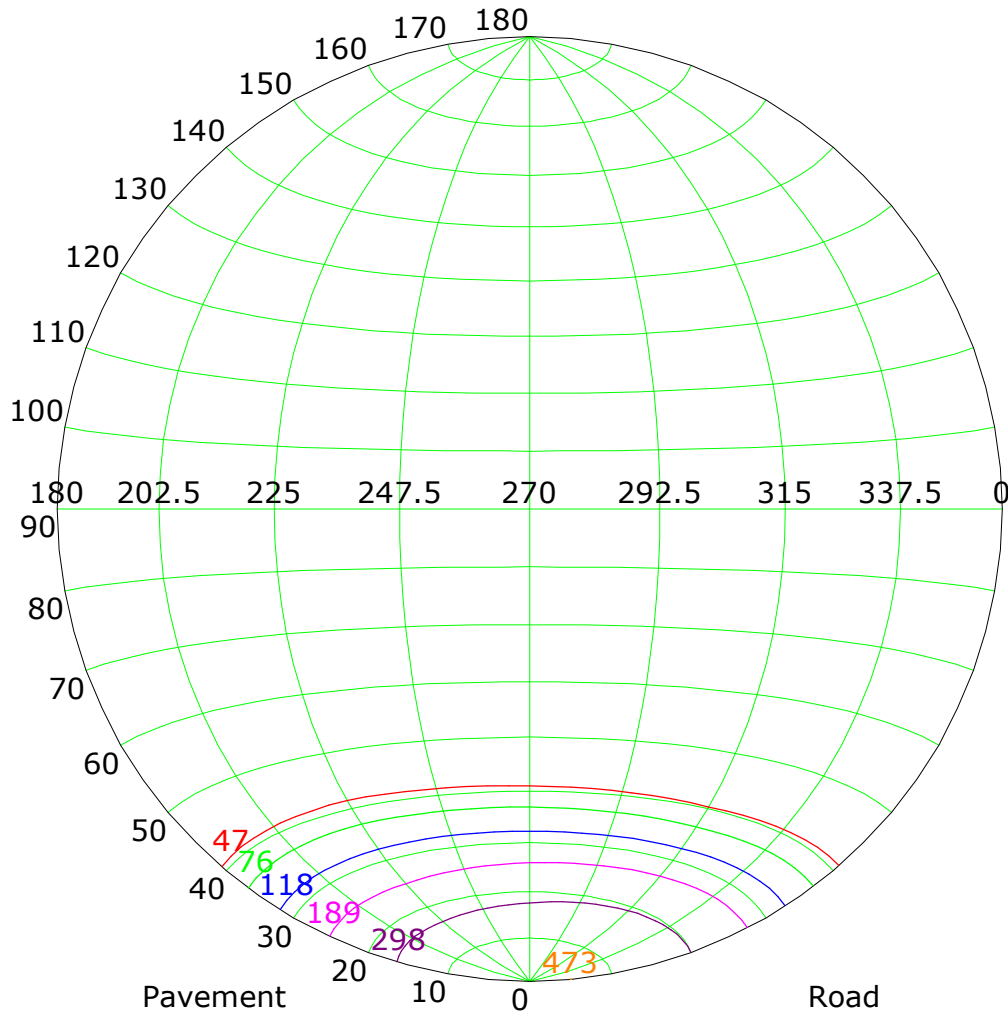
Imax (100%): 473 cd

|                  |                  |
|------------------|------------------|
| — ( 10%): 47 cd  | — ( 16%): 76 cd  |
| — ( 25%): 118 cd | — ( 40%): 189 cd |
| — ( 63%): 298 cd | — (100%): 473 cd |

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Isocandela (sphere)



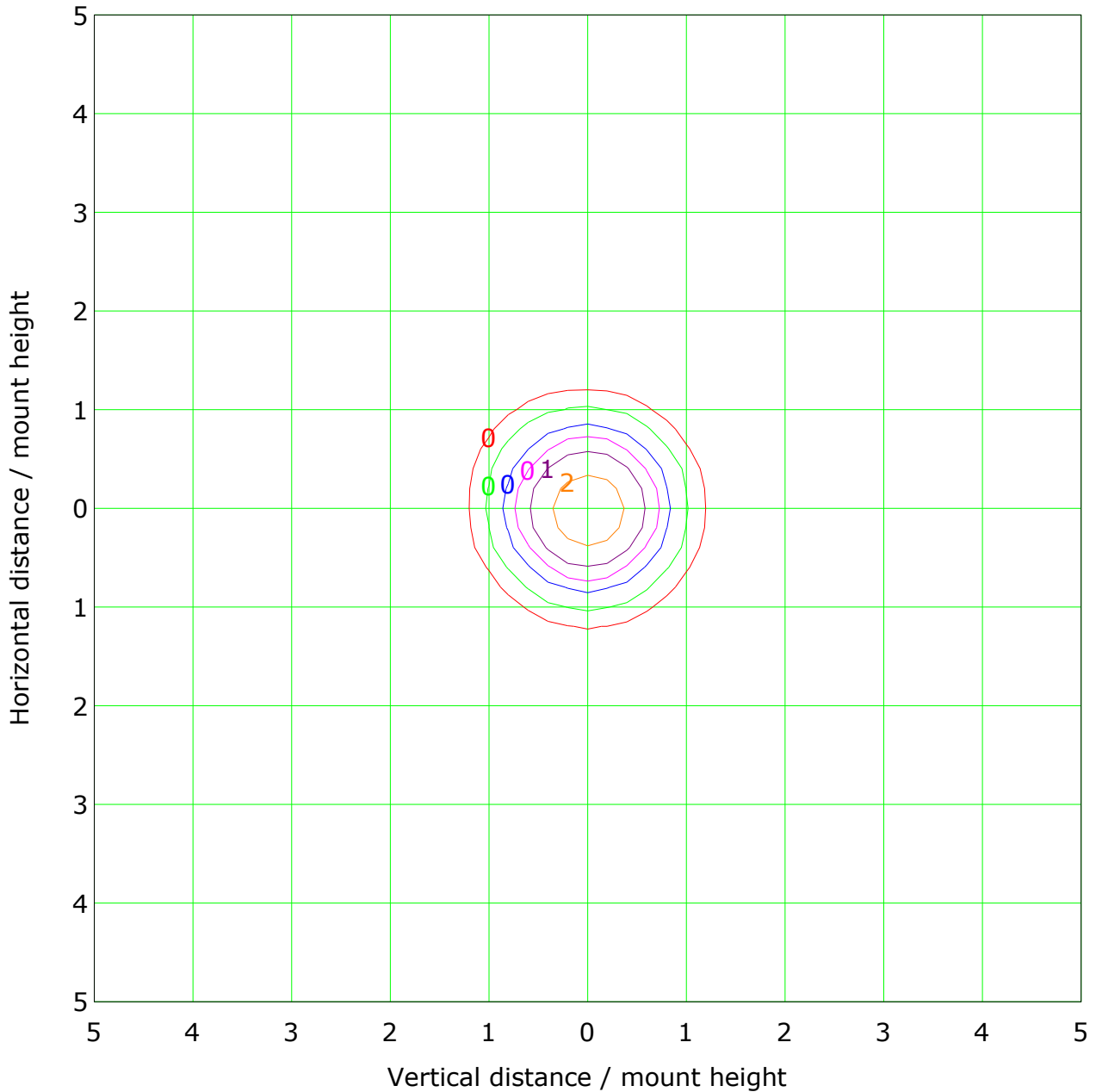
Imax (100%): 473 cd

|           |        |           |        |
|-----------|--------|-----------|--------|
| — ( 10%): | 47 cd  | — ( 16%): | 76 cd  |
| — ( 25%): | 118 cd | — ( 40%): | 189 cd |
| — ( 63%): | 298 cd | — (100%): | 473 cd |

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## IsoLux Plot



|   |                  |
|---|------------------|
| Mounting Height: 10.0m    Max Lux(100%): 4.7 lx |                  |
| — ( 1%): 0.0 lx                                 | — ( 2%): 0.1 lx  |
| — ( 5%): 0.2 lx                                 | — ( 10%): 0.5 lx |
| — ( 20%): 0.9 lx                                | — ( 50%): 2.3 lx |
| — (100%): 4.7 lx                                |                  |

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

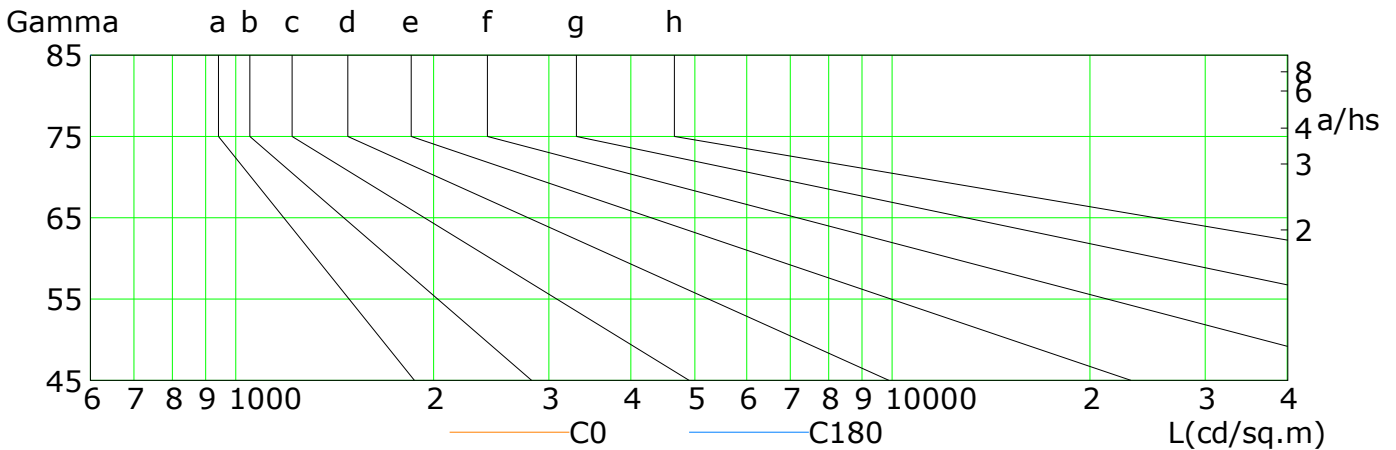
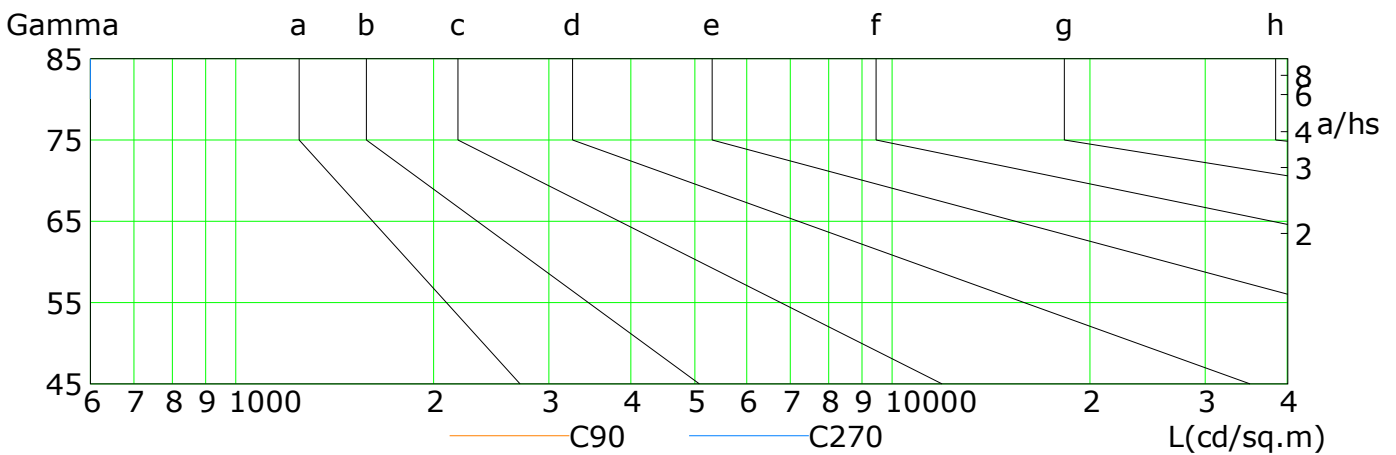




## Lum Limit Curve

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

a b c d e f g h

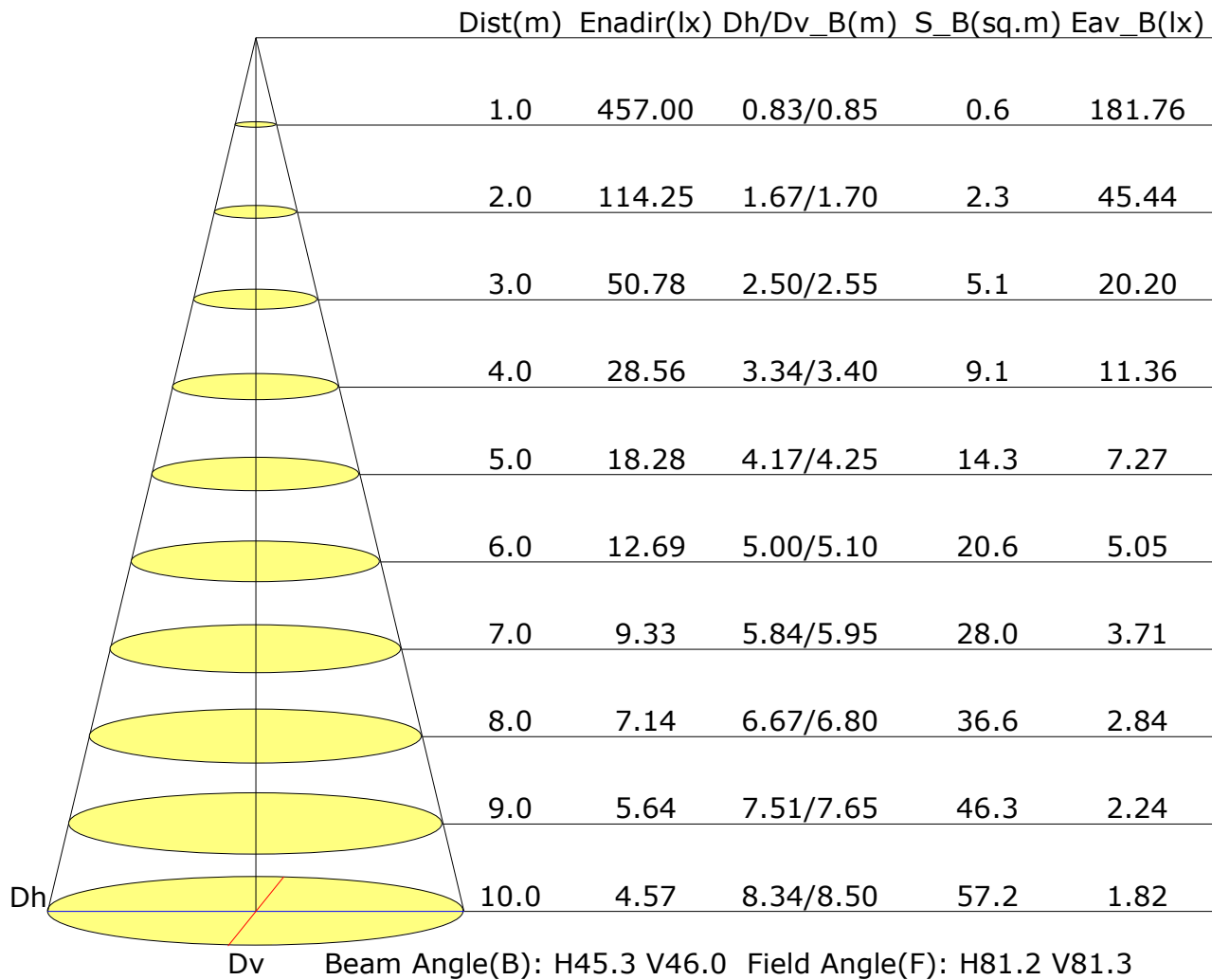


| L(cd/sq.m) | G45 | G50 | G55 | G60 | G65 | G70 | G75 | G80 | G85 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| C0         | 30  | 19  | 13  | 9   | 6   | 4   | 3   | 1   | 0   |
| C90        | 28  | 18  | 11  | 7   | 5   | 3   | 3   | 0   | 0   |
| C180       | 29  | 18  | 12  | 8   | 5   | 3   | 1   | 0   | 0   |
| C270       | 29  | 18  | 11  | 7   | 5   | 3   | 1   | 0   | 0   |

C Plane (°):0.0-360.0: 45.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-180.0:0.5  
Test Device: GPM-1600  
Distance: 8.177 m  
Humidity:  
Inspector:

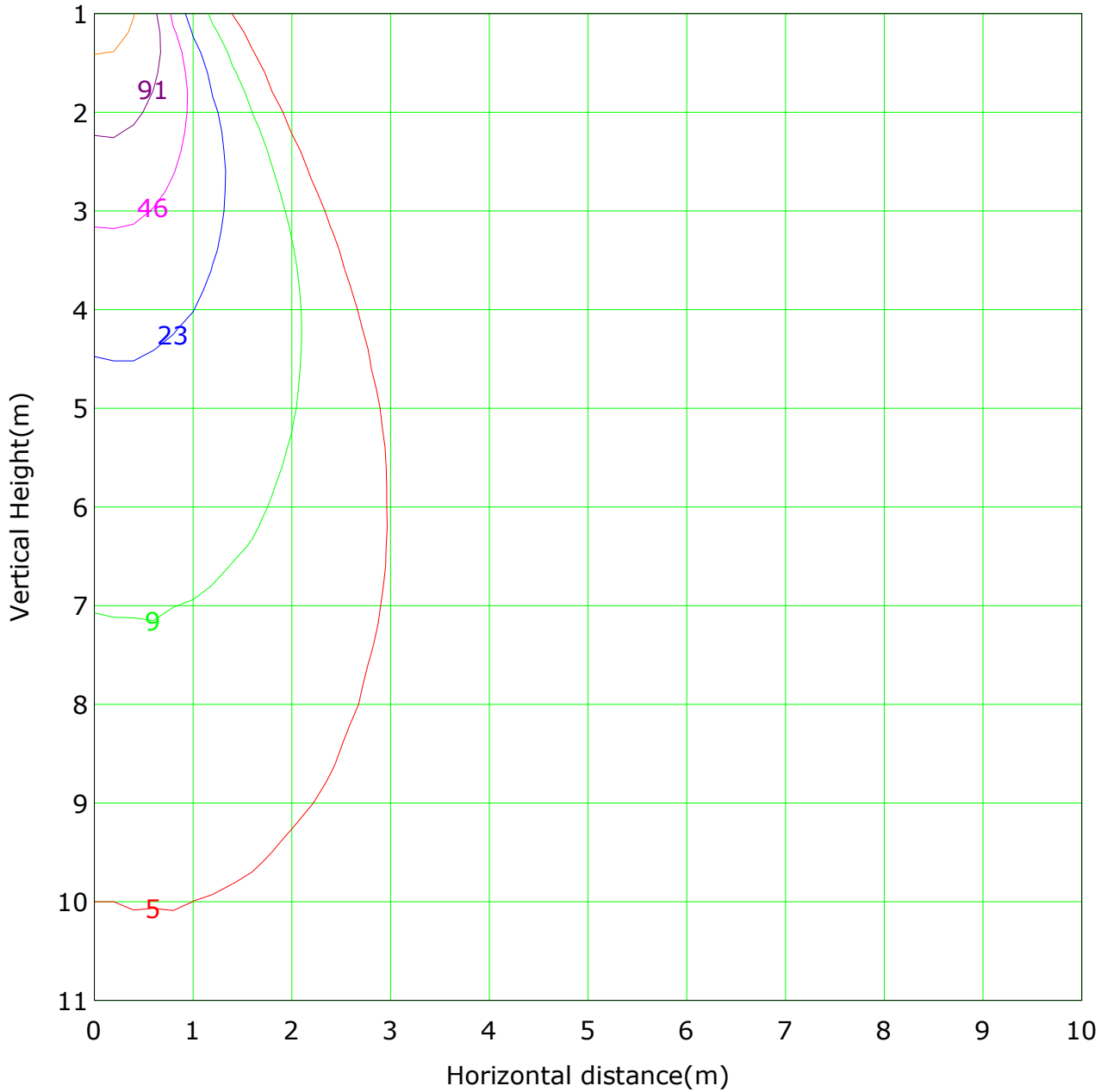
## Illuminance at a Distance



C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Vertical IsoLux Plot



|                    |                    |                   |
|--------------------|--------------------|-------------------|
| Lowest(m): 1.0m    | Highest(m): 11.0m  | Max Lux: 457.0 lx |
| — ( 1%): 4.6 lx    | — ( 2%): 9.1 lx    |                   |
| — ( 5%): 22.9 lx   | — ( 10%): 45.7 lx  |                   |
| — ( 20%): 91.4 lx  | — ( 50%): 228.5 lx |                   |
| — (100%): 457.0 lx |                    |                   |

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

**Area Flux Table**

Unit: lm

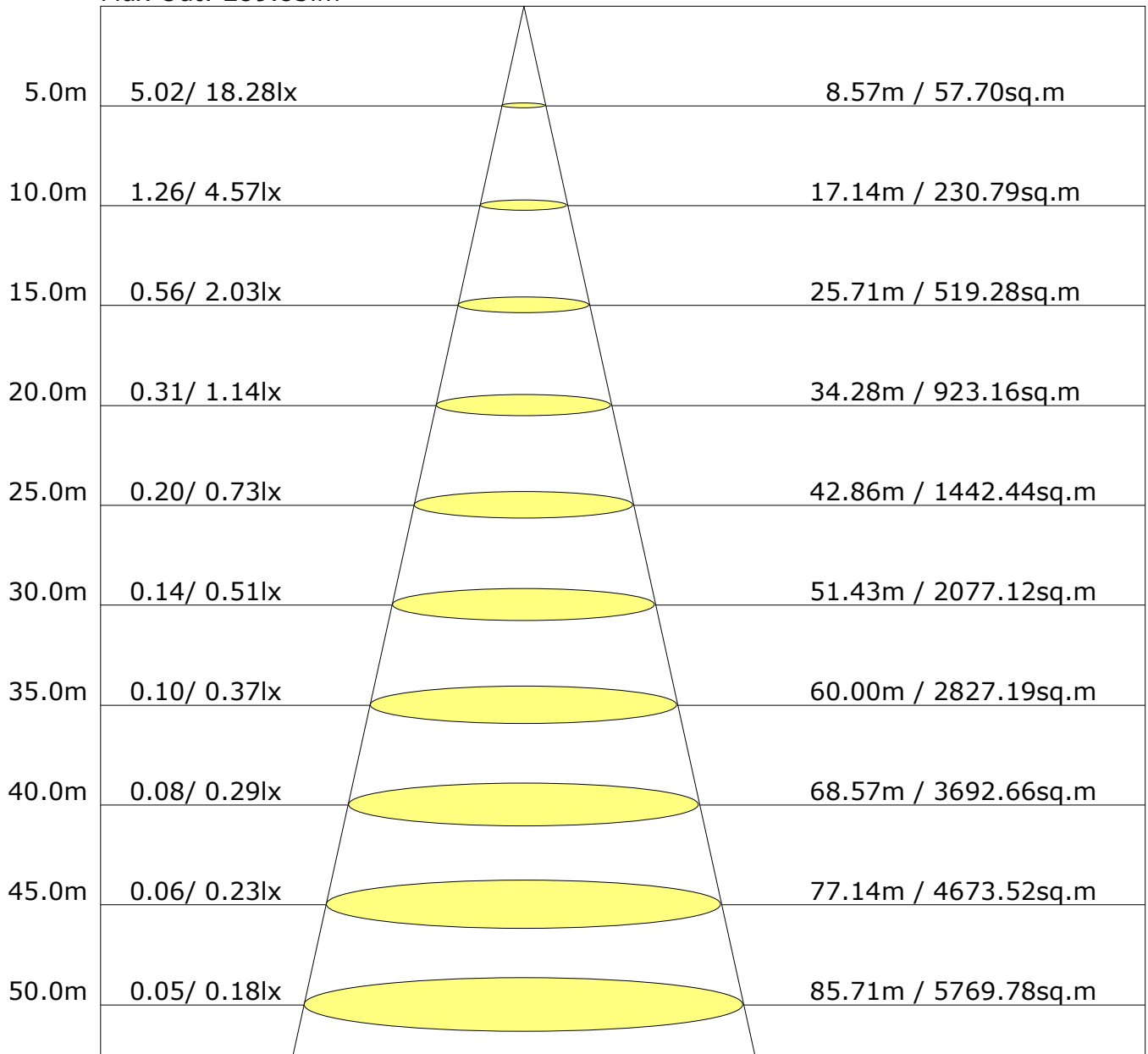
|                  |     | Vertical plane |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |         |         |
|------------------|-----|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|---------|
|                  |     | -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 | -90 | 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |
|                  | -80 | 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1     | 0.0     |
|                  | -70 | 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6     | 0.0     |
|                  | -60 | 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7     | 0.0     |
|                  | -50 | 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.5     | 0.1     |
|                  | -40 | 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.3    | 8.4     |
|                  | -30 | 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27.9    | 24.7    |
|                  | -20 | 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 48.0    | 45.1    |
|                  | -10 | 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 64.8    | 61.9    |
|                  | 0   | 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 67.4    | 64.6    |
|                  | 10  | 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 52.6    | 49.7    |
|                  | 20  | 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 30.0    | 26.9    |
|                  | 30  | 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.2    | 8.4     |
|                  | 40  | 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.4     | 0.1     |
|                  | 50  | 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8     | 0.0     |
|                  | 60  | 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7     | 0.0     |
|                  | 70  | 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2     | 0.0     |
|                  | 80  | 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     | 0.0     |
| 90               | 0.0 | 0.0            | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0     |         |
|                  |     |                |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 329     | 290     |

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## The Average Illuminance Effective Figure

Flux Out: 289.85lm



Height

Avg./Nadir. E

Beam Angle: 81.2°

Diameter / Area

C Plane (°): 0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°): 0.0-180.0: 0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## UGR Table

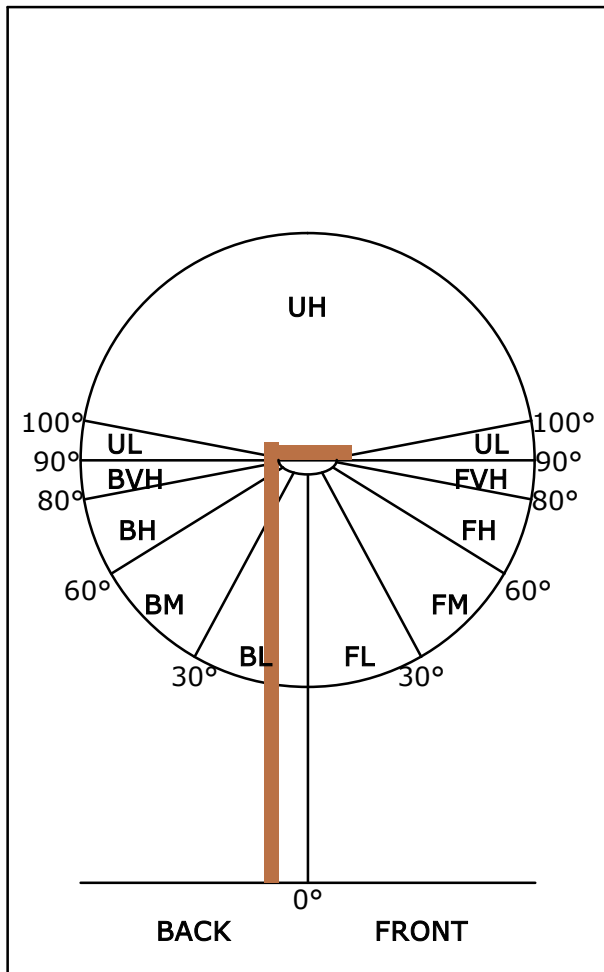
|  |                  |       |       |       |       |                |       |       |       |       |
|--|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Reflectance:                                       |                  |       |       |       |       |                |       |       |       |       |
| 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   |                  |       |       |       |       |                |       |       |       |       |
|  |                  |       |       |       |       |                |       |       |       |       |
| S=1.5H   |                  |       |       |       |       |                |       |       |       |       |
|  |                  |       |       |       |       |                |       |       |       |       |
| S=2.0H   |                  |       |       |       |       |                |       |       |       |       |
|  |                  |       |       |       |       |                |       |       |       |       |

Calculate in accordance with CIE Pub.117. The table is revised with 330lm ( $8\log(F/F_0) = -3.8$ ).

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

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



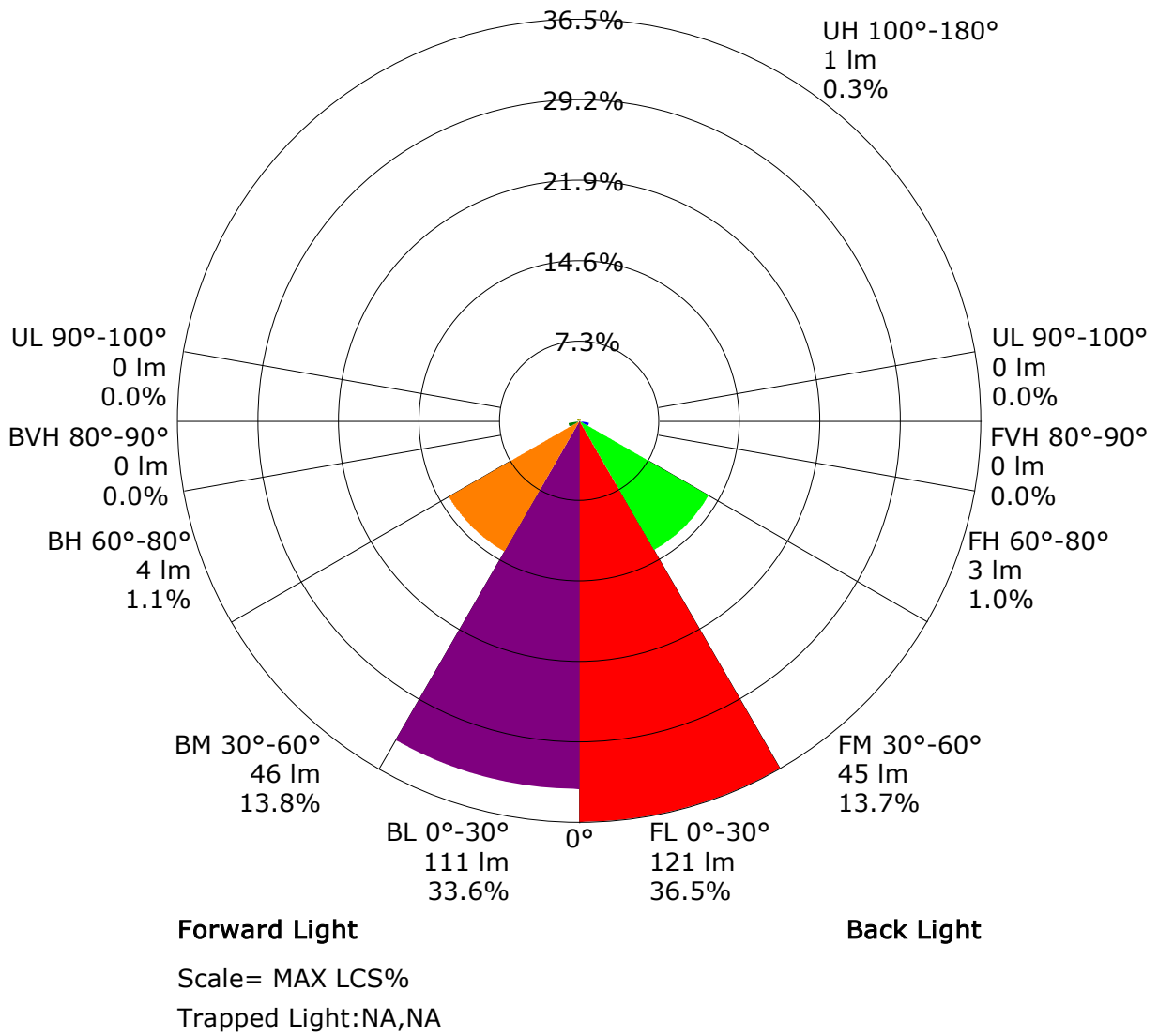
| ZONE           | LUMENS | % LAMP LUMENS |
|----------------|--------|---------------|
| FORWARD LIGHT  | 169    | 51.3          |
| FL ( 0°-30°)   | 121    | 36.5          |
| FM (30°-60°)   | 45     | 13.7          |
| FH (60°-80°)   | 3      | 1.0           |
| FVH (80°-90°)  | 0      | 0.0           |
| BACK LIGHT     | 160    | 48.5          |
| BL ( 0°-30°)   | 111    | 33.6          |
| BM (30°-60°)   | 46     | 13.8          |
| BH (60°-80°)   | 4      | 1.1           |
| BVH (80°-90°)  | 0      | 0.0           |
| UP LIGHT       | 1      | 0.3           |
| UL (90°-100°)  | 0      | 0.0           |
| UH (100°-180°) | 1      | 0.3           |
| TRAPPED LIGHT  | NA     | NA            |

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

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

### LCS Graph



C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:



## Utilisation Factor Table(Floor cavity)

| Utilisation Factors UF(F)   |      |       | SHR NOM = 0.75 |      |      |      |      |      |      |      |      |
|---|------|-------|----------------|------|------|------|------|------|------|------|------|
| Room Reflectance  |      |       | Room Index(RI) |      |      |      |      |      |      |      |      |
| Ceiling   | Wall | Floor | 0.75           | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 |
| 0.70  | 0.50 | 0.20  | 0.82           | 0.89 | 0.93 | 0.97 | 1.01 | 1.04 | 1.06 | 1.09 | 1.10 |
|   | 0.30 |       | 0.77           | 0.84 | 0.89 | 0.93 | 0.98 | 1.01 | 1.03 | 1.06 | 1.08 |
|   | 0.20 |       | 0.73           | 0.80 | 0.85 | 0.89 | 0.95 | 0.98 | 1.01 | 1.04 | 1.07 |
| 0.50  | 0.50 | 0.20  | 0.80           | 0.87 | 0.91 | 0.94 | 0.98 | 1.01 | 1.03 | 1.05 | 1.06 |
|   | 0.30 |       | 0.76           | 0.83 | 0.87 | 0.91 | 0.95 | 0.98 | 1.00 | 1.03 | 1.05 |
|   | 0.20 |       | 0.72           | 0.80 | 0.84 | 0.88 | 0.93 | 0.96 | 0.98 | 1.01 | 1.03 |
| 0.30  | 0.50 | 0.20  | 0.79           | 0.85 | 0.89 | 0.92 | 0.96 | 0.98 | 0.99 | 1.01 | 1.02 |
|   | 0.30 |       | 0.75           | 0.82 | 0.86 | 0.89 | 0.93 | 0.96 | 0.98 | 1.00 | 1.01 |
|   | 0.20 |       | 0.72           | 0.79 | 0.83 | 0.87 | 0.91 | 0.94 | 0.96 | 0.98 | 1.00 |
| 0.00  | 0.00 | 0.00  | 0.70           | 0.77 | 0.81 | 0.84 | 0.88 | 0.90 | 0.92 | 0.94 | 0.95 |
| <p>Rating:5W Photometrically tested without ceiling board.<br/>           Multiply UF values by service correction factors<br/>           Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p> |      |       |                |      |      |      |      |      |      |      |      |

## Utilisation Factor Table(Wall)

| Utilisation Factors UF(W)   |      |       | SHR NOM = 0.75 |      |      |      |      |      |      |      |      |
|---|------|-------|----------------|------|------|------|------|------|------|------|------|
| Room Reflectance  |      |       | Room Index(RI) |      |      |      |      |      |      |      |      |
| Ceiling   | Wall | Floor | 0.75           | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 |
| 0.70  | 0.50 | 0.20  | 0.63           | 0.51 | 0.43 | 0.37 | 0.29 | 0.24 | 0.20 | 0.15 | 0.13 |
|   | 0.30 |       | 0.53           | 0.44 | 0.37 | 0.32 | 0.26 | 0.22 | 0.19 | 0.15 | 0.12 |
|   | 0.20 |       | 0.45           | 0.38 | 0.33 | 0.29 | 0.24 | 0.20 | 0.17 | 0.14 | 0.11 |
| 0.50  | 0.50 | 0.20  | 0.60           | 0.48 | 0.40 | 0.34 | 0.27 | 0.26 | 0.19 | 0.14 | 0.11 |
|   | 0.30 |       | 0.51           | 0.42 | 0.35 | 0.31 | 0.24 | 0.20 | 0.17 | 0.13 | 0.11 |
|   | 0.20 |       | 0.44           | 0.37 | 0.32 | 0.28 | 0.23 | 0.19 | 0.16 | 0.13 | 0.11 |
| 0.30  | 0.50 | 0.20  | 0.58           | 0.46 | 0.38 | 0.32 | 0.25 | 0.20 | 0.17 | 0.13 | 0.11 |
|   | 0.30 |       | 0.50           | 0.40 | 0.34 | 0.29 | 0.23 | 0.19 | 0.16 | 0.13 | 0.10 |
|   | 0.20 |       | 0.43           | 0.36 | 0.31 | 0.27 | 0.21 | 0.18 | 0.15 | 0.12 | 0.10 |
| 0.00  | 0.00 | 0.00  | 0.30           | 0.24 | 0.20 | 0.17 | 0.13 | 0.10 | 0.09 | 0.07 | 0.05 |
| <p>Rating:5W Photometrically tested without ceiling board.<br/>           Multiply UF values by service correction factors<br/>           Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p> |      |       |                |      |      |      |      |      |      |      |      |

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Utilisation Factor Table(Ceiling cavity)

| Utilisation Factors UF(C) |      |       | SHR NOM = 0.75 |      |      |      |      |      |      |      |      |
|---------------------------|------|-------|----------------|------|------|------|------|------|------|------|------|
| Room Reflectance          |      |       | Room Index(RI) |      |      |      |      |      |      |      |      |
| Ceiling                   | Wall | Floor | 0.75           | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 |
| 0.70                      | 0.50 | 0.20  | 0.14           | 0.15 | 0.16 | 0.17 | 0.18 | 0.19 | 0.20 | 0.21 | 0.21 |
|                           | 0.30 |       | 0.09           | 0.11 | 0.13 | 0.14 | 0.15 | 0.17 | 0.18 | 0.19 | 0.20 |
|                           | 0.20 |       | 0.06           | 0.08 | 0.10 | 0.11 | 0.13 | 0.15 | 0.16 | 0.17 | 0.18 |
| 0.50                      | 0.50 | 0.20  | 0.13           | 0.14 | 0.16 | 0.16 | 0.18 | 0.18 | 0.19 | 0.20 | 0.20 |
|                           | 0.30 |       | 0.09           | 0.11 | 0.12 | 0.13 | 0.15 | 0.16 | 0.17 | 0.18 | 0.19 |
|                           | 0.20 |       | 0.06           | 0.08 | 0.10 | 0.11 | 0.13 | 0.14 | 0.15 | 0.17 | 0.18 |
| 0.30                      | 0.50 | 0.20  | 0.13           | 0.14 | 0.15 | 0.16 | 0.17 | 0.18 | 0.18 | 0.19 | 0.19 |
|                           | 0.30 |       | 0.09           | 0.11 | 0.12 | 0.13 | 0.15 | 0.16 | 0.17 | 0.18 | 0.18 |
|                           | 0.20 |       | 0.06           | 0.08 | 0.09 | 0.11 | 0.13 | 0.14 | 0.15 | 0.16 | 0.17 |
| 0.00                      | 0.00 | 0.00  | 0.00           | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Rating:5W Photometrically tested without ceiling board.  
 Multiply UF values by service correction factors  
 Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

## Zonal Lumen

| Gamma<br>[°] | I <sub>mean</sub><br>[cd] | Zonal Flux<br>[lm] | Sum Zonal Flux<br>[lm] | Rel Zonal Flux<br>[%] | Sum Rel Zonal Flux<br>[%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 0.0-0.5      | 458.8                     | 0.1                | 0.1                    | 0.03                  | 0.03                      |
| 0.5-1.0      | 458.0                     | 0.3                | 0.4                    | 0.10                  | 0.13                      |
| 1.0-1.5      | 457.9                     | 0.5                | 1.0                    | 0.17                  | 0.30                      |
| 1.5-2.0      | 457.9                     | 0.8                | 1.8                    | 0.23                  | 0.53                      |
| 2.0-2.5      | 457.6                     | 1.0                | 2.7                    | 0.30                  | 0.83                      |
| 2.5-3.0      | 457.4                     | 1.2                | 3.9                    | 0.36                  | 1.19                      |
| 3.0-3.5      | 457.0                     | 1.4                | 5.4                    | 0.43                  | 1.62                      |
| 3.5-4.0      | 454.2                     | 1.6                | 7.0                    | 0.49                  | 2.12                      |
| 4.0-4.5      | 450.7                     | 1.8                | 8.8                    | 0.55                  | 2.67                      |
| 4.5-5.0      | 449.4                     | 2.0                | 10.9                   | 0.62                  | 3.29                      |
| 5.0-5.5      | 447.0                     | 2.2                | 13.1                   | 0.68                  | 3.97                      |
| 5.5-6.0      | 443.2                     | 2.4                | 15.5                   | 0.74                  | 4.70                      |
| 6.0-6.5      | 439.2                     | 2.6                | 18.2                   | 0.79                  | 5.50                      |
| 6.5-7.0      | 435.1                     | 2.8                | 21.0                   | 0.85                  | 6.35                      |
| 7.0-7.5      | 431.8                     | 3.0                | 24.0                   | 0.90                  | 7.25                      |
| 7.5-8.0      | 428.5                     | 3.2                | 27.1                   | 0.96                  | 8.21                      |
| 8.0-8.5      | 424.4                     | 3.3                | 30.5                   | 1.01                  | 9.22                      |
| 8.5-9.0      | 418.9                     | 3.5                | 34.0                   | 1.06                  | 10.28                     |
| 9.0-9.5      | 413.1                     | 3.6                | 37.6                   | 1.10                  | 11.38                     |
| 9.5-10.0     | 409.3                     | 3.8                | 41.4                   | 1.15                  | 12.53                     |
| 10.0-10.5    | 404.5                     | 3.9                | 45.3                   | 1.19                  | 13.73                     |
| 10.5-11.0    | 398.5                     | 4.1                | 49.4                   | 1.23                  | 14.96                     |
| 11.0-11.5    | 392.4                     | 4.2                | 53.6                   | 1.27                  | 16.23                     |
| 11.5-12.0    | 387.0                     | 4.3                | 57.9                   | 1.31                  | 17.54                     |
| 12.0-12.5    | 381.8                     | 4.4                | 62.4                   | 1.34                  | 18.88                     |
| 12.5-13.0    | 376.0                     | 4.5                | 66.9                   | 1.38                  | 20.26                     |
| 13.0-13.5    | 369.4                     | 4.6                | 71.6                   | 1.41                  | 21.67                     |
| 13.5-14.0    | 362.9                     | 4.7                | 76.3                   | 1.43                  | 23.10                     |
| 14.0-14.5    | 356.6                     | 4.8                | 81.1                   | 1.46                  | 24.56                     |
| 14.5-15.0    | 349.6                     | 4.9                | 86.0                   | 1.48                  | 26.03                     |
| 15.0-15.5    | 342.8                     | 4.9                | 90.9                   | 1.50                  | 27.53                     |
| 15.5-16.0    | 336.0                     | 5.0                | 95.9                   | 1.51                  | 29.04                     |
| 16.0-16.5    | 328.7                     | 5.0                | 101.0                  | 1.53                  | 30.57                     |
| 16.5-17.0    | 321.6                     | 5.1                | 106.1                  | 1.54                  | 32.11                     |
| 17.0-17.5    | 315.3                     | 5.1                | 111.2                  | 1.55                  | 33.66                     |
| 17.5-18.0    | 308.6                     | 5.2                | 116.3                  | 1.56                  | 35.22                     |

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 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>[%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 18.0-18.5    | 301.1                     | 5.2                | 121.5                  | 1.57                  | 36.79                     |
| 18.5-19.0    | 294.0                     | 5.2                | 126.7                  | 1.57                  | 38.36                     |
| 19.0-19.5    | 287.5                     | 5.2                | 131.9                  | 1.57                  | 39.93                     |
| 19.5-20.0    | 280.3                     | 5.2                | 137.1                  | 1.57                  | 41.50                     |
| 20.0-20.5    | 273.1                     | 5.2                | 142.3                  | 1.57                  | 43.07                     |
| 20.5-21.0    | 266.3                     | 5.2                | 147.4                  | 1.57                  | 44.64                     |
| 21.0-21.5    | 259.5                     | 5.2                | 152.6                  | 1.56                  | 46.20                     |
| 21.5-22.0    | 252.0                     | 5.1                | 157.7                  | 1.55                  | 47.75                     |
| 22.0-22.5    | 244.3                     | 5.1                | 162.8                  | 1.54                  | 49.29                     |
| 22.5-23.0    | 237.2                     | 5.0                | 167.8                  | 1.52                  | 50.81                     |
| 23.0-23.5    | 230.2                     | 5.0                | 172.8                  | 1.51                  | 52.32                     |
| 23.5-24.0    | 223.3                     | 4.9                | 177.7                  | 1.49                  | 53.81                     |
| 24.0-24.5    | 216.5                     | 4.9                | 182.6                  | 1.48                  | 55.29                     |
| 24.5-25.0    | 210.0                     | 4.8                | 187.4                  | 1.46                  | 56.74                     |
| 25.0-25.5    | 203.4                     | 4.8                | 192.2                  | 1.44                  | 58.19                     |
| 25.5-26.0    | 196.9                     | 4.7                | 196.9                  | 1.42                  | 59.61                     |
| 26.0-26.5    | 190.8                     | 4.6                | 201.5                  | 1.40                  | 61.01                     |
| 26.5-27.0    | 184.0                     | 4.5                | 206.1                  | 1.37                  | 62.38                     |
| 27.0-27.5    | 177.7                     | 4.5                | 210.5                  | 1.35                  | 63.73                     |
| 27.5-28.0    | 172.0                     | 4.4                | 214.9                  | 1.33                  | 65.06                     |
| 28.0-28.5    | 165.8                     | 4.3                | 219.2                  | 1.30                  | 66.36                     |
| 28.5-29.0    | 159.7                     | 4.2                | 223.4                  | 1.28                  | 67.64                     |
| 29.0-29.5    | 153.3                     | 4.1                | 227.5                  | 1.24                  | 68.88                     |
| 29.5-30.0    | 146.6                     | 4.0                | 231.5                  | 1.21                  | 70.09                     |
| 30.0-30.5    | 140.8                     | 3.9                | 235.4                  | 1.18                  | 71.27                     |
| 30.5-31.0    | 135.0                     | 3.8                | 239.2                  | 1.15                  | 72.41                     |
| 31.0-31.5    | 128.6                     | 3.7                | 242.8                  | 1.11                  | 73.52                     |
| 31.5-32.0    | 122.7                     | 3.5                | 246.4                  | 1.07                  | 74.59                     |
| 32.0-32.5    | 117.1                     | 3.4                | 249.8                  | 1.04                  | 75.63                     |
| 32.5-33.0    | 111.7                     | 3.3                | 253.1                  | 1.00                  | 76.63                     |
| 33.0-33.5    | 106.4                     | 3.2                | 256.3                  | 0.97                  | 77.60                     |
| 33.5-34.0    | 101.1                     | 3.1                | 259.4                  | 0.93                  | 78.53                     |
| 34.0-34.5    | 95.9                      | 3.0                | 262.4                  | 0.90                  | 79.43                     |
| 34.5-35.0    | 91.1                      | 2.8                | 265.2                  | 0.86                  | 80.29                     |
| 35.0-35.5    | 86.3                      | 2.7                | 267.9                  | 0.83                  | 81.12                     |
| 35.5-36.0    | 81.5                      | 2.6                | 270.6                  | 0.79                  | 81.91                     |

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 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>[%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 36.0-36.5    | 77.0                      | 2.5                | 273.0                  | 0.76                  | 82.66                     |
| 36.5-37.0    | 73.0                      | 2.4                | 275.4                  | 0.72                  | 83.39                     |
| 37.0-37.5    | 69.0                      | 2.3                | 277.7                  | 0.69                  | 84.08                     |
| 37.5-38.0    | 65.4                      | 2.2                | 279.9                  | 0.66                  | 84.74                     |
| 38.0-38.5    | 62.0                      | 2.1                | 282.0                  | 0.64                  | 85.38                     |
| 38.5-39.0    | 58.5                      | 2.0                | 284.0                  | 0.61                  | 85.99                     |
| 39.0-39.5    | 55.2                      | 1.9                | 285.9                  | 0.58                  | 86.57                     |
| 39.5-40.0    | 52.0                      | 1.8                | 287.8                  | 0.55                  | 87.12                     |
| 40.0-40.5    | 49.1                      | 1.7                | 289.5                  | 0.53                  | 87.65                     |
| 40.5-41.0    | 46.4                      | 1.7                | 291.2                  | 0.50                  | 88.15                     |
| 41.0-41.5    | 43.9                      | 1.6                | 292.8                  | 0.48                  | 88.63                     |
| 41.5-42.0    | 41.4                      | 1.5                | 294.3                  | 0.46                  | 89.09                     |
| 42.0-42.5    | 39.1                      | 1.4                | 295.7                  | 0.44                  | 89.53                     |
| 42.5-43.0    | 37.0                      | 1.4                | 297.1                  | 0.42                  | 89.94                     |
| 43.0-43.5    | 35.1                      | 1.3                | 298.4                  | 0.40                  | 90.34                     |
| 43.5-44.0    | 33.2                      | 1.3                | 299.7                  | 0.38                  | 90.72                     |
| 44.0-44.5    | 31.5                      | 1.2                | 300.9                  | 0.37                  | 91.09                     |
| 44.5-45.0    | 29.9                      | 1.2                | 302.0                  | 0.35                  | 91.44                     |
| 45.0-45.5    | 28.2                      | 1.1                | 303.1                  | 0.33                  | 91.77                     |
| 45.5-46.0    | 26.9                      | 1.1                | 304.2                  | 0.32                  | 92.09                     |
| 46.0-46.5    | 25.6                      | 1.0                | 305.2                  | 0.31                  | 92.40                     |
| 46.5-47.0    | 24.4                      | 1.0                | 306.2                  | 0.30                  | 92.69                     |
| 47.0-47.5    | 23.2                      | 0.9                | 307.1                  | 0.28                  | 92.98                     |
| 47.5-48.0    | 22.2                      | 0.9                | 308.0                  | 0.27                  | 93.25                     |
| 48.0-48.5    | 21.2                      | 0.9                | 308.9                  | 0.26                  | 93.51                     |
| 48.5-49.0    | 20.3                      | 0.8                | 309.7                  | 0.25                  | 93.76                     |
| 49.0-49.5    | 19.3                      | 0.8                | 310.5                  | 0.24                  | 94.01                     |
| 49.5-50.0    | 18.5                      | 0.8                | 311.3                  | 0.23                  | 94.24                     |
| 50.0-50.5    | 17.7                      | 0.7                | 312.0                  | 0.23                  | 94.47                     |
| 50.5-51.0    | 16.9                      | 0.7                | 312.8                  | 0.22                  | 94.69                     |
| 51.0-51.5    | 16.2                      | 0.7                | 313.5                  | 0.21                  | 94.90                     |
| 51.5-52.0    | 15.5                      | 0.7                | 314.1                  | 0.20                  | 95.10                     |
| 52.0-52.5    | 14.9                      | 0.6                | 314.8                  | 0.20                  | 95.29                     |
| 52.5-53.0    | 14.2                      | 0.6                | 315.4                  | 0.19                  | 95.48                     |
| 53.0-53.5    | 13.6                      | 0.6                | 316.0                  | 0.18                  | 95.66                     |
| 53.5-54.0    | 13.1                      | 0.6                | 316.6                  | 0.18                  | 95.84                     |

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

### Zonal Lumen (Continue 3)

| Gamma<br>[°] | Imean<br>[cd] | Zonal Flux<br>[lm] | Sum Zonal Flux<br>[lm] | Rel Zonal Flux<br>[%] | Sum Rel Zonal Flux<br>[%] |
|--------------|---------------|--------------------|------------------------|-----------------------|---------------------------|
| 54.0-54.5    | 12.6          | 0.6                | 317.1                  | 0.17                  | 96.01                     |
| 54.5-55.0    | 12.1          | 0.5                | 317.7                  | 0.16                  | 96.17                     |
| 55.0-55.5    | 11.7          | 0.5                | 318.2                  | 0.16                  | 96.33                     |
| 55.5-56.0    | 11.3          | 0.5                | 318.7                  | 0.16                  | 96.49                     |
| 56.0-56.5    | 10.9          | 0.5                | 319.2                  | 0.15                  | 96.64                     |
| 56.5-57.0    | 10.4          | 0.5                | 319.7                  | 0.14                  | 96.78                     |
| 57.0-57.5    | 9.9           | 0.5                | 320.1                  | 0.14                  | 96.92                     |
| 57.5-58.0    | 9.4           | 0.4                | 320.6                  | 0.13                  | 97.05                     |
| 58.0-58.5    | 9.0           | 0.4                | 321.0                  | 0.13                  | 97.18                     |
| 58.5-59.0    | 8.7           | 0.4                | 321.4                  | 0.12                  | 97.30                     |
| 59.0-59.5    | 8.3           | 0.4                | 321.8                  | 0.12                  | 97.42                     |
| 59.5-60.0    | 8.0           | 0.4                | 322.2                  | 0.11                  | 97.53                     |
| 60.0-60.5    | 7.7           | 0.4                | 322.5                  | 0.11                  | 97.64                     |
| 60.5-61.0    | 7.4           | 0.4                | 322.9                  | 0.11                  | 97.75                     |
| 61.0-61.5    | 7.1           | 0.3                | 323.2                  | 0.10                  | 97.85                     |
| 61.5-62.0    | 6.8           | 0.3                | 323.6                  | 0.10                  | 97.95                     |
| 62.0-62.5    | 6.5           | 0.3                | 323.9                  | 0.10                  | 98.05                     |
| 62.5-63.0    | 6.3           | 0.3                | 324.2                  | 0.09                  | 98.14                     |
| 63.0-63.5    | 6.0           | 0.3                | 324.5                  | 0.09                  | 98.23                     |
| 63.5-64.0    | 5.8           | 0.3                | 324.8                  | 0.09                  | 98.32                     |
| 64.0-64.5    | 5.5           | 0.3                | 325.0                  | 0.08                  | 98.40                     |
| 64.5-65.0    | 5.3           | 0.3                | 325.3                  | 0.08                  | 98.48                     |
| 65.0-65.5    | 5.0           | 0.3                | 325.5                  | 0.08                  | 98.55                     |
| 65.5-66.0    | 4.8           | 0.2                | 325.8                  | 0.07                  | 98.63                     |
| 66.0-66.5    | 4.6           | 0.2                | 326.0                  | 0.07                  | 98.70                     |
| 66.5-67.0    | 4.4           | 0.2                | 326.2                  | 0.07                  | 98.76                     |
| 67.0-67.5    | 4.2           | 0.2                | 326.4                  | 0.06                  | 98.83                     |
| 67.5-68.0    | 4.0           | 0.2                | 326.6                  | 0.06                  | 98.89                     |
| 68.0-68.5    | 3.8           | 0.2                | 326.8                  | 0.06                  | 98.95                     |
| 68.5-69.0    | 3.6           | 0.2                | 327.0                  | 0.06                  | 99.00                     |
| 69.0-69.5    | 3.4           | 0.2                | 327.2                  | 0.05                  | 99.06                     |
| 69.5-70.0    | 3.2           | 0.2                | 327.4                  | 0.05                  | 99.11                     |
| 70.0-70.5    | 3.1           | 0.2                | 327.5                  | 0.05                  | 99.15                     |
| 70.5-71.0    | 2.9           | 0.1                | 327.7                  | 0.05                  | 99.20                     |
| 71.0-71.5    | 2.8           | 0.1                | 327.8                  | 0.04                  | 99.24                     |
| 71.5-72.0    | 2.6           | 0.1                | 327.9                  | 0.04                  | 99.28                     |

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 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>[%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 72.0-72.5    | 2.4                       | 0.1                | 328.1                  | 0.04                  | 99.32                     |
| 72.5-73.0    | 2.3                       | 0.1                | 328.2                  | 0.04                  | 99.36                     |
| 73.0-73.5    | 2.1                       | 0.1                | 328.3                  | 0.03                  | 99.39                     |
| 73.5-74.0    | 2.1                       | 0.1                | 328.4                  | 0.03                  | 99.42                     |
| 74.0-74.5    | 2.0                       | 0.1                | 328.5                  | 0.03                  | 99.46                     |
| 74.5-75.0    | 1.9                       | 0.1                | 328.6                  | 0.03                  | 99.49                     |
| 75.0-75.5    | 1.6                       | 0.1                | 328.7                  | 0.03                  | 99.51                     |
| 75.5-76.0    | 1.4                       | 0.1                | 328.8                  | 0.02                  | 99.53                     |
| 76.0-76.5    | 1.2                       | 0.1                | 328.8                  | 0.02                  | 99.55                     |
| 76.5-77.0    | 1.1                       | 0.1                | 328.9                  | 0.02                  | 99.57                     |
| 77.0-77.5    | 1.0                       | 0.1                | 329.0                  | 0.02                  | 99.59                     |
| 77.5-78.0    | 0.9                       | 0.0                | 329.0                  | 0.01                  | 99.60                     |
| 78.0-78.5    | 0.7                       | 0.0                | 329.0                  | 0.01                  | 99.61                     |
| 78.5-79.0    | 0.6                       | 0.0                | 329.1                  | 0.01                  | 99.62                     |
| 79.0-79.5    | 0.5                       | 0.0                | 329.1                  | 0.01                  | 99.63                     |
| 79.5-80.0    | 0.4                       | 0.0                | 329.1                  | 0.01                  | 99.64                     |
| 80.0-80.5    | 0.3                       | 0.0                | 329.1                  | 0.01                  | 99.64                     |
| 80.5-81.0    | 0.3                       | 0.0                | 329.1                  | 0.01                  | 99.65                     |
| 81.0-81.5    | 0.3                       | 0.0                | 329.2                  | 0.00                  | 99.65                     |
| 81.5-82.0    | 0.3                       | 0.0                | 329.2                  | 0.00                  | 99.66                     |
| 82.0-82.5    | 0.4                       | 0.0                | 329.2                  | 0.01                  | 99.66                     |
| 82.5-83.0    | 0.4                       | 0.0                | 329.2                  | 0.01                  | 99.67                     |
| 83.0-83.5    | 0.4                       | 0.0                | 329.2                  | 0.01                  | 99.68                     |
| 83.5-84.0    | 0.4                       | 0.0                | 329.3                  | 0.01                  | 99.68                     |
| 84.0-84.5    | 0.3                       | 0.0                | 329.3                  | 0.01                  | 99.69                     |
| 84.5-85.0    | 0.2                       | 0.0                | 329.3                  | 0.00                  | 99.69                     |
| 85.0-85.5    | 0.2                       | 0.0                | 329.3                  | 0.00                  | 99.69                     |
| 85.5-86.0    | 0.2                       | 0.0                | 329.3                  | 0.00                  | 99.70                     |
| 86.0-86.5    | 0.1                       | 0.0                | 329.3                  | 0.00                  | 99.70                     |
| 86.5-87.0    | 0.1                       | 0.0                | 329.3                  | 0.00                  | 99.70                     |
| 87.0-87.5    | 0.1                       | 0.0                | 329.3                  | 0.00                  | 99.70                     |
| 87.5-88.0    | 0.1                       | 0.0                | 329.3                  | 0.00                  | 99.70                     |
| 88.0-88.5    | 0.1                       | 0.0                | 329.3                  | 0.00                  | 99.70                     |
| 88.5-89.0    | 0.1                       | 0.0                | 329.3                  | 0.00                  | 99.71                     |
| 89.0-89.5    | 0.1                       | 0.0                | 329.3                  | 0.00                  | 99.71                     |
| 89.5-90.0    | 0.1                       | 0.0                | 329.4                  | 0.00                  | 99.71                     |

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:



### Zonal Lumen (Continue 5)

| 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>[%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 90.0-90.5    | 0.1                       | 0.0                | 329.4                  | 0.00                  | 99.71                     |
| 90.5-91.0    | 0.1                       | 0.0                | 329.4                  | 0.00                  | 99.71                     |
| 91.0-91.5    | 0.1                       | 0.0                | 329.4                  | 0.00                  | 99.71                     |
| 91.5-92.0    | 0.1                       | 0.0                | 329.4                  | 0.00                  | 99.72                     |
| 92.0-92.5    | 0.1                       | 0.0                | 329.4                  | 0.00                  | 99.72                     |
| 92.5-93.0    | 0.1                       | 0.0                | 329.4                  | 0.00                  | 99.72                     |
| 93.0-93.5    | 0.1                       | 0.0                | 329.4                  | 0.00                  | 99.72                     |
| 93.5-94.0    | 0.1                       | 0.0                | 329.4                  | 0.00                  | 99.72                     |
| 94.0-94.5    | 0.1                       | 0.0                | 329.4                  | 0.00                  | 99.72                     |
| 94.5-95.0    | 0.1                       | 0.0                | 329.4                  | 0.00                  | 99.72                     |
| 95.0-95.5    | 0.1                       | 0.0                | 329.4                  | 0.00                  | 99.72                     |
| 95.5-96.0    | 0.1                       | 0.0                | 329.4                  | 0.00                  | 99.72                     |
| 96.0-96.5    | 0.1                       | 0.0                | 329.4                  | 0.00                  | 99.73                     |
| 96.5-97.0    | 0.1                       | 0.0                | 329.4                  | 0.00                  | 99.73                     |
| 97.0-97.5    | 0.1                       | 0.0                | 329.4                  | 0.00                  | 99.73                     |
| 97.5-98.0    | 0.1                       | 0.0                | 329.4                  | 0.00                  | 99.73                     |
| 98.0-98.5    | 0.1                       | 0.0                | 329.4                  | 0.00                  | 99.73                     |
| 98.5-99.0    | 0.1                       | 0.0                | 329.4                  | 0.00                  | 99.73                     |
| 99.0-99.5    | 0.1                       | 0.0                | 329.4                  | 0.00                  | 99.74                     |
| 99.5-100.0   | 0.1                       | 0.0                | 329.4                  | 0.00                  | 99.74                     |
| 100.0-100.5  | 0.1                       | 0.0                | 329.4                  | 0.00                  | 99.74                     |
| 100.5-101.0  | 0.1                       | 0.0                | 329.5                  | 0.00                  | 99.74                     |
| 101.0-101.5  | 0.1                       | 0.0                | 329.5                  | 0.00                  | 99.74                     |
| 101.5-102.0  | 0.1                       | 0.0                | 329.5                  | 0.00                  | 99.74                     |
| 102.0-102.5  | 0.1                       | 0.0                | 329.5                  | 0.00                  | 99.74                     |
| 102.5-103.0  | 0.1                       | 0.0                | 329.5                  | 0.00                  | 99.75                     |
| 103.0-103.5  | 0.1                       | 0.0                | 329.5                  | 0.00                  | 99.75                     |
| 103.5-104.0  | 0.1                       | 0.0                | 329.5                  | 0.00                  | 99.75                     |
| 104.0-104.5  | 0.1                       | 0.0                | 329.5                  | 0.00                  | 99.75                     |
| 104.5-105.0  | 0.1                       | 0.0                | 329.5                  | 0.00                  | 99.75                     |
| 105.0-105.5  | 0.1                       | 0.0                | 329.5                  | 0.00                  | 99.75                     |
| 105.5-106.0  | 0.1                       | 0.0                | 329.5                  | 0.00                  | 99.75                     |
| 106.0-106.5  | 0.1                       | 0.0                | 329.5                  | 0.00                  | 99.76                     |
| 106.5-107.0  | 0.1                       | 0.0                | 329.5                  | 0.00                  | 99.76                     |
| 107.0-107.5  | 0.1                       | 0.0                | 329.5                  | 0.00                  | 99.76                     |
| 107.5-108.0  | 0.1                       | 0.0                | 329.5                  | 0.00                  | 99.76                     |

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

### Zonal Lumen (Continue 6)

| 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>[%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 108.0-108.5  | 0.1                       | 0.0                | 329.5                  | 0.00                  | 99.76                     |
| 108.5-109.0  | 0.1                       | 0.0                | 329.5                  | 0.00                  | 99.76                     |
| 109.0-109.5  | 0.1                       | 0.0                | 329.5                  | 0.00                  | 99.76                     |
| 109.5-110.0  | 0.1                       | 0.0                | 329.5                  | 0.00                  | 99.77                     |
| 110.0-110.5  | 0.1                       | 0.0                | 329.5                  | 0.00                  | 99.77                     |
| 110.5-111.0  | 0.1                       | 0.0                | 329.5                  | 0.00                  | 99.77                     |
| 111.0-111.5  | 0.1                       | 0.0                | 329.6                  | 0.00                  | 99.77                     |
| 111.5-112.0  | 0.1                       | 0.0                | 329.6                  | 0.00                  | 99.77                     |
| 112.0-112.5  | 0.1                       | 0.0                | 329.6                  | 0.00                  | 99.77                     |
| 112.5-113.0  | 0.1                       | 0.0                | 329.6                  | 0.00                  | 99.78                     |
| 113.0-113.5  | 0.1                       | 0.0                | 329.6                  | 0.00                  | 99.78                     |
| 113.5-114.0  | 0.1                       | 0.0                | 329.6                  | 0.00                  | 99.78                     |
| 114.0-114.5  | 0.1                       | 0.0                | 329.6                  | 0.00                  | 99.78                     |
| 114.5-115.0  | 0.1                       | 0.0                | 329.6                  | 0.00                  | 99.78                     |
| 115.0-115.5  | 0.1                       | 0.0                | 329.6                  | 0.00                  | 99.78                     |
| 115.5-116.0  | 0.1                       | 0.0                | 329.6                  | 0.00                  | 99.78                     |
| 116.0-116.5  | 0.1                       | 0.0                | 329.6                  | 0.00                  | 99.78                     |
| 116.5-117.0  | 0.1                       | 0.0                | 329.6                  | 0.00                  | 99.78                     |
| 117.0-117.5  | 0.1                       | 0.0                | 329.6                  | 0.00                  | 99.78                     |
| 117.5-118.0  | 0.1                       | 0.0                | 329.6                  | 0.00                  | 99.79                     |
| 118.0-118.5  | 0.1                       | 0.0                | 329.6                  | 0.00                  | 99.79                     |
| 118.5-119.0  | 0.1                       | 0.0                | 329.6                  | 0.00                  | 99.79                     |
| 119.0-119.5  | 0.1                       | 0.0                | 329.6                  | 0.00                  | 99.79                     |
| 119.5-120.0  | 0.1                       | 0.0                | 329.6                  | 0.00                  | 99.79                     |
| 120.0-120.5  | 0.1                       | 0.0                | 329.6                  | 0.00                  | 99.79                     |
| 120.5-121.0  | 0.1                       | 0.0                | 329.6                  | 0.00                  | 99.79                     |
| 121.0-121.5  | 0.1                       | 0.0                | 329.6                  | 0.00                  | 99.79                     |
| 121.5-122.0  | 0.1                       | 0.0                | 329.6                  | 0.00                  | 99.80                     |
| 122.0-122.5  | 0.1                       | 0.0                | 329.6                  | 0.00                  | 99.80                     |
| 122.5-123.0  | 0.1                       | 0.0                | 329.7                  | 0.00                  | 99.80                     |
| 123.0-123.5  | 0.2                       | 0.0                | 329.7                  | 0.00                  | 99.80                     |
| 123.5-124.0  | 0.2                       | 0.0                | 329.7                  | 0.00                  | 99.80                     |
| 124.0-124.5  | 0.2                       | 0.0                | 329.7                  | 0.00                  | 99.81                     |
| 124.5-125.0  | 0.1                       | 0.0                | 329.7                  | 0.00                  | 99.81                     |
| 125.0-125.5  | 0.1                       | 0.0                | 329.7                  | 0.00                  | 99.81                     |
| 125.5-126.0  | 0.1                       | 0.0                | 329.7                  | 0.00                  | 99.81                     |

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

### Zonal Lumen (Continue 7)

| 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>[%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 126.0-126.5  | 0.1                       | 0.0                | 329.7                  | 0.00                  | 99.81                     |
| 126.5-127.0  | 0.1                       | 0.0                | 329.7                  | 0.00                  | 99.81                     |
| 127.0-127.5  | 0.1                       | 0.0                | 329.7                  | 0.00                  | 99.81                     |
| 127.5-128.0  | 0.1                       | 0.0                | 329.7                  | 0.00                  | 99.81                     |
| 128.0-128.5  | 0.1                       | 0.0                | 329.7                  | 0.00                  | 99.82                     |
| 128.5-129.0  | 0.1                       | 0.0                | 329.7                  | 0.00                  | 99.82                     |
| 129.0-129.5  | 0.1                       | 0.0                | 329.7                  | 0.00                  | 99.82                     |
| 129.5-130.0  | 0.1                       | 0.0                | 329.7                  | 0.00                  | 99.82                     |
| 130.0-130.5  | 0.1                       | 0.0                | 329.7                  | 0.00                  | 99.82                     |
| 130.5-131.0  | 0.1                       | 0.0                | 329.7                  | 0.00                  | 99.82                     |
| 131.0-131.5  | 0.1                       | 0.0                | 329.7                  | 0.00                  | 99.82                     |
| 131.5-132.0  | 0.1                       | 0.0                | 329.7                  | 0.00                  | 99.82                     |
| 132.0-132.5  | 0.1                       | 0.0                | 329.7                  | 0.00                  | 99.83                     |
| 132.5-133.0  | 0.1                       | 0.0                | 329.7                  | 0.00                  | 99.83                     |
| 133.0-133.5  | 0.1                       | 0.0                | 329.7                  | 0.00                  | 99.83                     |
| 133.5-134.0  | 0.1                       | 0.0                | 329.8                  | 0.00                  | 99.83                     |
| 134.0-134.5  | 0.1                       | 0.0                | 329.8                  | 0.00                  | 99.83                     |
| 134.5-135.0  | 0.1                       | 0.0                | 329.8                  | 0.00                  | 99.83                     |
| 135.0-135.5  | 0.1                       | 0.0                | 329.8                  | 0.00                  | 99.83                     |
| 135.5-136.0  | 0.1                       | 0.0                | 329.8                  | 0.00                  | 99.84                     |
| 136.0-136.5  | 0.1                       | 0.0                | 329.8                  | 0.00                  | 99.84                     |
| 136.5-137.0  | 0.1                       | 0.0                | 329.8                  | 0.00                  | 99.84                     |
| 137.0-137.5  | 0.1                       | 0.0                | 329.8                  | 0.00                  | 99.84                     |
| 137.5-138.0  | 0.1                       | 0.0                | 329.8                  | 0.00                  | 99.84                     |
| 138.0-138.5  | 0.1                       | 0.0                | 329.8                  | 0.00                  | 99.84                     |
| 138.5-139.0  | 0.1                       | 0.0                | 329.8                  | 0.00                  | 99.84                     |
| 139.0-139.5  | 0.2                       | 0.0                | 329.8                  | 0.00                  | 99.85                     |
| 139.5-140.0  | 0.2                       | 0.0                | 329.8                  | 0.00                  | 99.85                     |
| 140.0-140.5  | 0.1                       | 0.0                | 329.8                  | 0.00                  | 99.85                     |
| 140.5-141.0  | 0.2                       | 0.0                | 329.8                  | 0.00                  | 99.85                     |
| 141.0-141.5  | 0.2                       | 0.0                | 329.8                  | 0.00                  | 99.85                     |
| 141.5-142.0  | 0.2                       | 0.0                | 329.8                  | 0.00                  | 99.86                     |
| 142.0-142.5  | 0.2                       | 0.0                | 329.8                  | 0.00                  | 99.86                     |
| 142.5-143.0  | 0.3                       | 0.0                | 329.9                  | 0.00                  | 99.86                     |
| 143.0-143.5  | 0.3                       | 0.0                | 329.9                  | 0.00                  | 99.86                     |
| 143.5-144.0  | 0.3                       | 0.0                | 329.9                  | 0.00                  | 99.87                     |

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Zonal Lumen (Continue 8)

| Gamma<br>[°] | Imean<br>[cd] | Zonal Flux<br>[lm] | Sum Zonal Flux<br>[lm] | Rel Zonal Flux<br>[%] | Sum Rel Zonal Flux<br>[%] |
|--------------|---------------|--------------------|------------------------|-----------------------|---------------------------|
| 144.0-144.5  | 0.3           | 0.0                | 329.9                  | 0.00                  | 99.87                     |
| 144.5-145.0  | 0.2           | 0.0                | 329.9                  | 0.00                  | 99.87                     |
| 145.0-145.5  | 0.3           | 0.0                | 329.9                  | 0.00                  | 99.87                     |
| 145.5-146.0  | 0.3           | 0.0                | 329.9                  | 0.00                  | 99.88                     |
| 146.0-146.5  | 0.3           | 0.0                | 329.9                  | 0.00                  | 99.88                     |
| 146.5-147.0  | 0.2           | 0.0                | 329.9                  | 0.00                  | 99.88                     |
| 147.0-147.5  | 0.2           | 0.0                | 329.9                  | 0.00                  | 99.88                     |
| 147.5-148.0  | 0.2           | 0.0                | 329.9                  | 0.00                  | 99.89                     |
| 148.0-148.5  | 0.2           | 0.0                | 329.9                  | 0.00                  | 99.89                     |
| 148.5-149.0  | 0.2           | 0.0                | 329.9                  | 0.00                  | 99.89                     |
| 149.0-149.5  | 0.2           | 0.0                | 330.0                  | 0.00                  | 99.89                     |
| 149.5-150.0  | 0.2           | 0.0                | 330.0                  | 0.00                  | 99.89                     |
| 150.0-150.5  | 0.3           | 0.0                | 330.0                  | 0.00                  | 99.90                     |
| 150.5-151.0  | 0.3           | 0.0                | 330.0                  | 0.00                  | 99.90                     |
| 151.0-151.5  | 0.3           | 0.0                | 330.0                  | 0.00                  | 99.90                     |
| 151.5-152.0  | 0.2           | 0.0                | 330.0                  | 0.00                  | 99.90                     |
| 152.0-152.5  | 0.3           | 0.0                | 330.0                  | 0.00                  | 99.90                     |
| 152.5-153.0  | 0.4           | 0.0                | 330.0                  | 0.00                  | 99.91                     |
| 153.0-153.5  | 0.4           | 0.0                | 330.0                  | 0.00                  | 99.91                     |
| 153.5-154.0  | 0.3           | 0.0                | 330.0                  | 0.00                  | 99.91                     |
| 154.0-154.5  | 0.3           | 0.0                | 330.0                  | 0.00                  | 99.91                     |
| 154.5-155.0  | 0.3           | 0.0                | 330.0                  | 0.00                  | 99.92                     |
| 155.0-155.5  | 0.3           | 0.0                | 330.0                  | 0.00                  | 99.92                     |
| 155.5-156.0  | 0.3           | 0.0                | 330.1                  | 0.00                  | 99.92                     |
| 156.0-156.5  | 0.3           | 0.0                | 330.1                  | 0.00                  | 99.92                     |
| 156.5-157.0  | 0.4           | 0.0                | 330.1                  | 0.00                  | 99.92                     |
| 157.0-157.5  | 0.4           | 0.0                | 330.1                  | 0.00                  | 99.93                     |
| 157.5-158.0  | 0.4           | 0.0                | 330.1                  | 0.00                  | 99.93                     |
| 158.0-158.5  | 0.4           | 0.0                | 330.1                  | 0.00                  | 99.93                     |
| 158.5-159.0  | 0.5           | 0.0                | 330.1                  | 0.00                  | 99.94                     |
| 159.0-159.5  | 0.5           | 0.0                | 330.1                  | 0.00                  | 99.94                     |
| 159.5-160.0  | 0.5           | 0.0                | 330.1                  | 0.00                  | 99.94                     |
| 160.0-160.5  | 0.5           | 0.0                | 330.1                  | 0.00                  | 99.94                     |
| 160.5-161.0  | 0.5           | 0.0                | 330.1                  | 0.00                  | 99.95                     |
| 161.0-161.5  | 0.5           | 0.0                | 330.1                  | 0.00                  | 99.95                     |
| 161.5-162.0  | 0.5           | 0.0                | 330.2                  | 0.00                  | 99.95                     |

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

### Zonal Lumen (Continue 9)

| 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>[%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 162.0-162.5  | 0.5                       | 0.0                | 330.2                  | 0.00                  | 99.95                     |
| 162.5-163.0  | 0.5                       | 0.0                | 330.2                  | 0.00                  | 99.96                     |
| 163.0-163.5  | 0.5                       | 0.0                | 330.2                  | 0.00                  | 99.96                     |
| 163.5-164.0  | 0.4                       | 0.0                | 330.2                  | 0.00                  | 99.96                     |
| 164.0-164.5  | 0.3                       | 0.0                | 330.2                  | 0.00                  | 99.96                     |
| 164.5-165.0  | 0.4                       | 0.0                | 330.2                  | 0.00                  | 99.96                     |
| 165.0-165.5  | 0.5                       | 0.0                | 330.2                  | 0.00                  | 99.97                     |
| 165.5-166.0  | 0.5                       | 0.0                | 330.2                  | 0.00                  | 99.97                     |
| 166.0-166.5  | 0.5                       | 0.0                | 330.2                  | 0.00                  | 99.97                     |
| 166.5-167.0  | 0.5                       | 0.0                | 330.2                  | 0.00                  | 99.97                     |
| 167.0-167.5  | 0.5                       | 0.0                | 330.2                  | 0.00                  | 99.97                     |
| 167.5-168.0  | 0.6                       | 0.0                | 330.2                  | 0.00                  | 99.98                     |
| 168.0-168.5  | 0.5                       | 0.0                | 330.2                  | 0.00                  | 99.98                     |
| 168.5-169.0  | 0.4                       | 0.0                | 330.2                  | 0.00                  | 99.98                     |
| 169.0-169.5  | 0.5                       | 0.0                | 330.2                  | 0.00                  | 99.98                     |
| 169.5-170.0  | 0.5                       | 0.0                | 330.3                  | 0.00                  | 99.98                     |
| 170.0-170.5  | 0.6                       | 0.0                | 330.3                  | 0.00                  | 99.98                     |
| 170.5-171.0  | 0.6                       | 0.0                | 330.3                  | 0.00                  | 99.98                     |
| 171.0-171.5  | 0.7                       | 0.0                | 330.3                  | 0.00                  | 99.99                     |
| 171.5-172.0  | 0.7                       | 0.0                | 330.3                  | 0.00                  | 99.99                     |
| 172.0-172.5  | 0.6                       | 0.0                | 330.3                  | 0.00                  | 99.99                     |
| 172.5-173.0  | 0.6                       | 0.0                | 330.3                  | 0.00                  | 99.99                     |
| 173.0-173.5  | 0.6                       | 0.0                | 330.3                  | 0.00                  | 99.99                     |
| 173.5-174.0  | 0.6                       | 0.0                | 330.3                  | 0.00                  | 99.99                     |
| 174.0-174.5  | 0.6                       | 0.0                | 330.3                  | 0.00                  | 99.99                     |
| 174.5-175.0  | 0.7                       | 0.0                | 330.3                  | 0.00                  | 100.00                    |
| 175.0-175.5  | 0.6                       | 0.0                | 330.3                  | 0.00                  | 100.00                    |
| 175.5-176.0  | 0.5                       | 0.0                | 330.3                  | 0.00                  | 100.00                    |
| 176.0-176.5  | 0.6                       | 0.0                | 330.3                  | 0.00                  | 100.00                    |
| 176.5-177.0  | 0.6                       | 0.0                | 330.3                  | 0.00                  | 100.00                    |
| 177.0-177.5  | 0.8                       | 0.0                | 330.3                  | 0.00                  | 100.00                    |
| 177.5-178.0  | 0.8                       | 0.0                | 330.3                  | 0.00                  | 100.00                    |
| 178.0-178.5  | 0.8                       | 0.0                | 330.3                  | 0.00                  | 100.00                    |
| 178.5-179.0  | 0.8                       | 0.0                | 330.3                  | 0.00                  | 100.00                    |
| 179.0-179.5  | 0.9                       | 0.0                | 330.3                  | 0.00                  | 100.00                    |
| 179.5-180.0  | 0.9                       | 0.0                | 330.3                  | 0.00                  | 100.00                    |

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Candlepower Table

Unit: cd

| G\C   | C0.0  | C45.0 | C90.0 | C135.0 | C180.0 | C225.0 | C270.0 | C315.0 | C360.0 |  |
|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--|
| G0.0  | 457.0 | 458.4 | 459.3 | 461.0  | 457.0  | 458.4  | 459.3  | 461.0  | 457.0  |  |
| G0.5  | 459.6 | 460.5 | 456.8 | 460.3  | 456.2  | 454.7  | 459.0  | 462.0  | 459.6  |  |
| G1.0  | 455.0 | 463.4 | 459.2 | 458.7  | 454.2  | 452.9  | 455.7  | 460.5  | 455.0  |  |
| G1.5  | 463.9 | 462.7 | 462.4 | 459.4  | 455.1  | 450.6  | 452.0  | 461.2  | 463.9  |  |
| G2.0  | 463.1 | 466.5 | 464.5 | 454.6  | 449.7  | 448.3  | 451.6  | 460.5  | 463.1  |  |
| G2.5  | 467.8 | 467.4 | 465.6 | 456.8  | 445.2  | 447.7  | 448.9  | 464.0  | 467.8  |  |
| G3.0  | 466.4 | 467.6 | 463.6 | 454.7  | 443.5  | 446.5  | 452.5  | 460.8  | 466.4  |  |
| G3.5  | 464.6 | 470.9 | 460.7 | 456.0  | 443.7  | 445.6  | 452.7  | 462.5  | 464.6  |  |
| G4.0  | 464.9 | 468.6 | 457.8 | 446.7  | 433.9  | 436.9  | 445.0  | 456.9  | 464.9  |  |
| G4.5  | 467.9 | 466.5 | 454.6 | 452.0  | 426.0  | 432.7  | 445.4  | 454.9  | 467.9  |  |
| G5.0  | 472.6 | 464.2 | 452.8 | 445.1  | 429.4  | 432.4  | 443.7  | 450.1  | 472.6  |  |
| G5.5  | 458.3 | 467.0 | 453.7 | 442.0  | 423.0  | 424.7  | 440.6  | 452.5  | 458.3  |  |
| G6.0  | 465.7 | 463.3 | 452.5 | 437.6  | 413.2  | 420.3  | 429.0  | 447.5  | 465.7  |  |
| G6.5  | 455.8 | 458.6 | 445.0 | 433.4  | 408.4  | 416.9  | 435.1  | 444.5  | 455.8  |  |
| G7.0  | 457.3 | 456.4 | 445.8 | 427.4  | 405.3  | 410.2  | 420.7  | 440.7  | 457.3  |  |
| G7.5  | 456.6 | 454.0 | 442.0 | 421.7  | 404.1  | 408.6  | 420.8  | 437.1  | 456.6  |  |
| G8.0  | 450.9 | 451.0 | 439.8 | 421.4  | 399.5  | 403.8  | 412.8  | 432.5  | 450.9  |  |
| G8.5  | 446.9 | 449.5 | 430.2 | 422.9  | 396.9  | 394.7  | 406.6  | 431.8  | 446.9  |  |
| G9.0  | 441.0 | 441.5 | 426.2 | 410.2  | 389.9  | 387.4  | 402.6  | 424.0  | 441.0  |  |
| G9.5  | 441.6 | 442.1 | 424.5 | 403.2  | 380.0  | 380.3  | 395.4  | 420.1  | 441.6  |  |
| G10.0 | 434.9 | 437.6 | 420.4 | 402.6  | 377.0  | 378.0  | 397.1  | 413.3  | 434.9  |  |
| G10.5 | 430.2 | 429.9 | 416.1 | 396.1  | 372.2  | 372.0  | 387.0  | 407.0  | 430.2  |  |
| G11.0 | 423.9 | 422.2 | 409.0 | 392.6  | 368.1  | 367.1  | 382.0  | 401.0  | 423.9  |  |
| G11.5 | 417.2 | 417.1 | 404.5 | 383.1  | 355.0  | 360.7  | 373.5  | 401.8  | 417.2  |  |
| G12.0 | 412.1 | 413.9 | 396.6 | 385.0  | 351.9  | 352.3  | 369.0  | 398.3  | 412.1  |  |
| G12.5 | 408.2 | 403.7 | 395.2 | 376.1  | 346.0  | 349.7  | 362.3  | 388.0  | 408.2  |  |
| G13.0 | 405.9 | 398.4 | 387.3 | 371.8  | 339.9  | 340.4  | 361.6  | 380.6  | 405.9  |  |
| G13.5 | 395.8 | 393.3 | 379.5 | 361.6  | 335.9  | 333.3  | 353.3  | 371.2  | 395.8  |  |
| G14.0 | 393.0 | 392.4 | 374.5 | 351.4  | 329.0  | 331.4  | 345.6  | 365.5  | 393.0  |  |
| G14.5 | 384.4 | 380.9 | 367.3 | 348.0  | 321.2  | 323.1  | 338.0  | 360.5  | 384.4  |  |
| G15.0 | 377.1 | 372.0 | 363.1 | 338.8  | 316.7  | 319.1  | 331.1  | 352.3  | 377.1  |  |
| G15.5 | 371.2 | 365.4 | 352.7 | 333.7  | 308.5  | 312.3  | 325.0  | 345.8  | 371.2  |  |
| G16.0 | 362.2 | 360.0 | 346.2 | 326.3  | 304.1  | 305.3  | 320.6  | 336.6  | 362.2  |  |
| G16.5 | 355.5 | 349.5 | 336.9 | 316.9  | 294.7  | 298.7  | 314.7  | 331.5  | 355.5  |  |
| G17.0 | 345.1 | 348.4 | 329.6 | 310.3  | 291.4  | 292.3  | 305.1  | 324.5  | 345.1  |  |
| G17.5 | 338.5 | 339.7 | 322.5 | 305.5  | 284.6  | 288.4  | 301.5  | 316.7  | 338.5  |  |
| G18.0 | 332.9 | 330.4 | 317.5 | 301.5  | 272.9  | 278.0  | 295.5  | 312.1  | 332.9  |  |

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 1)

Unit: cd

| G\C   | C0.0  | C45.0 | C90.0 | C135.0 | C180.0 | C225.0 | C270.0 | C315.0 | C360.0 |  |
|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--|
| G18.5 | 323.3 | 321.1 | 309.8 | 291.9  | 268.8  | 272.6  | 285.9  | 303.4  | 323.3  |  |
| G19.0 | 318.5 | 318.1 | 303.6 | 286.8  | 262.8  | 263.4  | 278.6  | 296.1  | 318.5  |  |
| G19.5 | 308.9 | 308.7 | 296.9 | 283.5  | 254.3  | 256.3  | 273.2  | 290.4  | 308.9  |  |
| G20.0 | 298.3 | 300.4 | 290.3 | 272.2  | 246.4  | 250.6  | 268.2  | 286.6  | 298.3  |  |
| G20.5 | 293.4 | 293.4 | 279.7 | 263.0  | 241.4  | 245.0  | 264.4  | 276.8  | 293.4  |  |
| G21.0 | 286.1 | 284.9 | 276.3 | 259.3  | 236.4  | 238.6  | 253.3  | 268.1  | 286.1  |  |
| G21.5 | 279.5 | 278.9 | 266.5 | 252.6  | 230.2  | 233.8  | 245.8  | 260.8  | 279.5  |  |
| G22.0 | 270.2 | 269.1 | 257.1 | 244.8  | 222.6  | 224.9  | 240.9  | 254.4  | 270.2  |  |
| G22.5 | 261.9 | 259.7 | 253.4 | 235.5  | 216.2  | 219.8  | 231.3  | 246.6  | 261.9  |  |
| G23.0 | 255.2 | 252.4 | 240.9 | 230.3  | 211.2  | 212.9  | 227.2  | 240.8  | 255.2  |  |
| G23.5 | 245.8 | 244.2 | 234.3 | 223.3  | 206.5  | 207.3  | 217.9  | 232.8  | 245.8  |  |
| G24.0 | 240.8 | 237.0 | 228.2 | 215.7  | 200.2  | 203.6  | 210.8  | 224.0  | 240.8  |  |
| G24.5 | 232.6 | 230.8 | 219.0 | 210.1  | 194.9  | 194.4  | 204.3  | 217.9  | 232.6  |  |
| G25.0 | 224.6 | 222.1 | 216.0 | 202.7  | 189.5  | 189.3  | 199.6  | 212.0  | 224.6  |  |
| G25.5 | 217.2 | 215.6 | 205.4 | 195.7  | 182.5  | 186.2  | 192.0  | 204.6  | 217.2  |  |
| G26.0 | 209.9 | 207.8 | 197.4 | 192.0  | 177.8  | 180.5  | 186.5  | 199.8  | 209.9  |  |
| G26.5 | 201.3 | 201.1 | 194.0 | 183.8  | 172.6  | 175.9  | 181.1  | 190.6  | 201.3  |  |
| G27.0 | 193.6 | 192.0 | 183.6 | 178.0  | 166.8  | 170.7  | 174.4  | 184.2  | 193.6  |  |
| G27.5 | 187.7 | 186.1 | 177.1 | 173.5  | 161.8  | 164.0  | 169.5  | 180.6  | 187.7  |  |
| G28.0 | 181.0 | 179.2 | 170.9 | 167.1  | 157.6  | 158.6  | 164.6  | 172.4  | 181.0  |  |
| G28.5 | 174.8 | 170.7 | 163.4 | 163.8  | 152.1  | 153.3  | 158.7  | 164.5  | 174.8  |  |
| G29.0 | 167.6 | 165.6 | 156.9 | 154.8  | 146.0  | 149.0  | 155.7  | 158.4  | 167.6  |  |
| G29.5 | 160.9 | 155.2 | 149.4 | 148.8  | 141.2  | 143.2  | 149.4  | 151.4  | 160.9  |  |
| G30.0 | 152.5 | 147.7 | 144.0 | 141.4  | 136.5  | 138.9  | 140.4  | 145.0  | 152.5  |  |
| G30.5 | 146.4 | 142.2 | 137.2 | 139.1  | 131.6  | 133.1  | 136.9  | 139.7  | 146.4  |  |
| G31.0 | 138.5 | 135.7 | 131.6 | 133.5  | 125.0  | 127.2  | 129.7  | 132.7  | 138.5  |  |
| G31.5 | 131.3 | 128.9 | 124.1 | 125.0  | 119.2  | 122.3  | 124.9  | 127.8  | 131.3  |  |
| G32.0 | 126.6 | 122.7 | 119.5 | 119.2  | 115.0  | 117.9  | 117.8  | 120.2  | 126.6  |  |
| G32.5 | 119.9 | 115.1 | 113.3 | 114.1  | 109.9  | 113.3  | 113.2  | 115.2  | 119.9  |  |
| G33.0 | 112.9 | 109.4 | 107.8 | 110.2  | 106.1  | 108.7  | 108.4  | 108.9  | 112.9  |  |
| G33.5 | 106.3 | 103.2 | 102.6 | 104.6  | 101.1  | 103.8  | 103.8  | 104.6  | 106.3  |  |
| G34.0 | 101.0 | 97.6  | 97.6  | 99.6   | 95.2   | 99.1   | 98.2   | 99.3   | 101.0  |  |
| G34.5 | 96.9  | 92.9  | 91.7  | 94.5   | 90.8   | 94.3   | 93.9   | 91.8   | 96.9   |  |
| G35.0 | 91.5  | 87.2  | 86.9  | 89.9   | 86.9   | 90.6   | 90.0   | 87.1   | 91.5   |  |
| G35.5 | 85.1  | 82.4  | 82.2  | 84.9   | 83.0   | 86.3   | 85.0   | 82.3   | 85.1   |  |
| G36.0 | 80.1  | 77.5  | 77.6  | 81.2   | 77.0   | 81.4   | 80.7   | 77.7   | 80.1   |  |
| G36.5 | 77.3  | 73.8  | 73.4  | 75.6   | 73.0   | 77.7   | 75.7   | 73.1   | 77.3   |  |

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 2)

Unit: cd

| G\C   | C0.0 | C45.0 | C90.0 | C135.0 | C180.0 | C225.0 | C270.0 | C315.0 | C360.0 |  |
|-------|------|-------|-------|--------|--------|--------|--------|--------|--------|--|
| G37.0 | 72.8 | 68.9  | 69.4  | 71.5   | 69.7   | 73.9   | 72.6   | 69.2   | 72.8   |  |
| G37.5 | 68.3 | 65.1  | 65.1  | 67.7   | 66.1   | 69.8   | 67.9   | 65.4   | 68.3   |  |
| G38.0 | 64.2 | 61.5  | 61.4  | 65.6   | 63.5   | 66.6   | 65.6   | 62.2   | 64.2   |  |
| G38.5 | 61.2 | 57.8  | 57.8  | 61.7   | 59.6   | 63.3   | 61.6   | 58.4   | 61.2   |  |
| G39.0 | 57.3 | 54.6  | 54.8  | 57.9   | 56.0   | 60.2   | 57.8   | 55.7   | 57.3   |  |
| G39.5 | 54.0 | 51.7  | 51.9  | 54.1   | 53.1   | 56.5   | 54.6   | 52.3   | 54.0   |  |
| G40.0 | 51.3 | 48.7  | 48.4  | 51.9   | 50.1   | 53.6   | 51.5   | 48.6   | 51.3   |  |
| G40.5 | 48.1 | 45.8  | 46.2  | 48.7   | 47.2   | 50.8   | 48.4   | 46.0   | 48.1   |  |
| G41.0 | 46.1 | 43.7  | 43.3  | 45.7   | 45.3   | 48.7   | 45.8   | 43.5   | 46.1   |  |
| G41.5 | 43.1 | 41.0  | 41.0  | 43.4   | 42.9   | 45.8   | 42.5   | 40.9   | 43.1   |  |
| G42.0 | 40.8 | 38.6  | 38.6  | 41.0   | 39.9   | 43.6   | 40.7   | 38.9   | 40.8   |  |
| G42.5 | 38.8 | 36.4  | 36.8  | 38.8   | 37.6   | 41.3   | 38.2   | 36.0   | 38.8   |  |
| G43.0 | 36.3 | 35.0  | 35.1  | 36.7   | 35.9   | 39.2   | 35.8   | 34.5   | 36.3   |  |
| G43.5 | 34.8 | 33.1  | 33.0  | 34.6   | 33.7   | 37.4   | 34.3   | 32.2   | 34.8   |  |
| G44.0 | 33.0 | 31.2  | 31.5  | 33.2   | 31.5   | 35.1   | 32.5   | 30.4   | 33.0   |  |
| G44.5 | 31.7 | 29.9  | 30.1  | 31.1   | 30.5   | 33.2   | 30.9   | 28.8   | 31.7   |  |
| G45.0 | 29.9 | 28.0  | 28.1  | 28.3   | 29.1   | 32.2   | 29.2   | 27.2   | 29.9   |  |
| G45.5 | 28.7 | 26.7  | 26.8  | 26.6   | 27.8   | 30.0   | 27.6   | 25.8   | 28.7   |  |
| G46.0 | 27.3 | 25.7  | 25.6  | 25.5   | 25.7   | 29.1   | 26.3   | 24.8   | 27.3   |  |
| G46.5 | 26.0 | 24.4  | 24.6  | 24.4   | 24.7   | 27.7   | 25.0   | 23.6   | 26.0   |  |
| G47.0 | 24.8 | 23.0  | 23.1  | 23.2   | 23.3   | 26.5   | 24.0   | 22.4   | 24.8   |  |
| G47.5 | 24.0 | 21.8  | 22.0  | 22.0   | 22.5   | 25.0   | 22.7   | 21.5   | 24.0   |  |
| G48.0 | 22.6 | 21.0  | 21.0  | 21.1   | 21.8   | 24.0   | 21.7   | 20.2   | 22.6   |  |
| G48.5 | 22.2 | 19.8  | 20.2  | 20.0   | 20.6   | 23.4   | 20.5   | 19.4   | 22.2   |  |
| G49.0 | 21.1 | 18.8  | 19.4  | 19.0   | 19.5   | 22.0   | 19.8   | 18.5   | 21.1   |  |
| G49.5 | 20.0 | 18.2  | 18.4  | 18.1   | 19.0   | 21.4   | 18.8   | 17.4   | 20.0   |  |
| G50.0 | 19.3 | 17.6  | 17.7  | 17.3   | 18.0   | 20.1   | 17.9   | 16.9   | 19.3   |  |
| G50.5 | 18.4 | 16.4  | 17.1  | 16.4   | 17.3   | 19.5   | 17.1   | 16.1   | 18.4   |  |
| G51.0 | 17.6 | 16.0  | 16.1  | 15.6   | 16.6   | 18.8   | 16.4   | 15.1   | 17.6   |  |
| G51.5 | 17.0 | 15.3  | 15.4  | 15.3   | 15.6   | 17.8   | 15.8   | 14.7   | 17.0   |  |
| G52.0 | 16.3 | 14.4  | 14.7  | 14.5   | 15.2   | 17.2   | 15.1   | 14.1   | 16.3   |  |
| G52.5 | 16.1 | 14.1  | 14.1  | 13.8   | 14.5   | 16.4   | 14.3   | 13.6   | 16.1   |  |
| G53.0 | 15.1 | 13.2  | 13.4  | 13.0   | 13.9   | 15.6   | 13.7   | 13.0   | 15.1   |  |
| G53.5 | 14.5 | 12.6  | 12.6  | 12.6   | 13.4   | 15.1   | 13.1   | 12.4   | 14.5   |  |
| G54.0 | 14.0 | 12.2  | 12.3  | 13.4   | 12.8   | 14.2   | 12.4   | 11.9   | 14.0   |  |
| G54.5 | 13.4 | 11.7  | 11.6  | 12.9   | 12.2   | 13.6   | 11.9   | 11.4   | 13.4   |  |
| G55.0 | 12.8 | 11.0  | 11.2  | 12.6   | 11.6   | 13.3   | 11.4   | 10.9   | 12.8   |  |

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:



**Candlepower Table (Continue 3)**

Unit: cd

| G\C   | C0.0 | C45.0 | C90.0 | C135.0 | C180.0 | C225.0 | C270.0 | C315.0 | C360.0 |  |
|-------|------|-------|-------|--------|--------|--------|--------|--------|--------|--|
| G55.5 | 12.5 | 10.8  | 12.3  | 12.0   | 11.1   | 12.7   | 10.9   | 10.6   | 12.5   |  |
| G56.0 | 11.9 | 10.3  | 11.7  | 11.6   | 10.7   | 12.3   | 10.3   | 10.0   | 11.9   |  |
| G56.5 | 11.4 | 9.7   | 11.4  | 11.1   | 10.2   | 11.9   | 10.0   | 9.7    | 11.4   |  |
| G57.0 | 11.4 | 9.5   | 9.6   | 10.6   | 9.8    | 11.5   | 9.8    | 9.4    | 11.4   |  |
| G57.5 | 10.6 | 9.1   | 9.1   | 8.9    | 9.4    | 10.9   | 9.3    | 8.9    | 10.6   |  |
| G58.0 | 10.4 | 8.6   | 8.7   | 8.6    | 9.1    | 10.5   | 8.9    | 8.6    | 10.4   |  |
| G58.5 | 10.1 | 8.5   | 8.5   | 8.3    | 8.6    | 10.2   | 8.5    | 8.3    | 10.1   |  |
| G59.0 | 9.7  | 8.1   | 8.1   | 8.0    | 8.3    | 9.9    | 8.0    | 7.8    | 9.7    |  |
| G59.5 | 9.3  | 7.5   | 7.8   | 7.6    | 8.0    | 9.6    | 7.8    | 7.6    | 9.3    |  |
| G60.0 | 8.9  | 7.3   | 7.4   | 7.3    | 7.6    | 9.3    | 7.5    | 7.3    | 8.9    |  |
| G60.5 | 8.6  | 7.1   | 7.1   | 7.0    | 7.3    | 8.8    | 7.1    | 7.1    | 8.6    |  |
| G61.0 | 8.4  | 6.8   | 6.8   | 6.7    | 6.9    | 8.6    | 6.8    | 6.8    | 8.4    |  |
| G61.5 | 8.2  | 6.4   | 6.4   | 6.5    | 6.6    | 8.3    | 6.7    | 6.4    | 8.2    |  |
| G62.0 | 7.8  | 6.2   | 6.2   | 6.0    | 6.3    | 7.9    | 6.3    | 5.9    | 7.8    |  |
| G62.5 | 7.5  | 6.1   | 6.0   | 5.9    | 6.1    | 7.8    | 6.2    | 5.9    | 7.5    |  |
| G63.0 | 7.3  | 5.8   | 5.5   | 5.6    | 5.8    | 7.5    | 5.9    | 5.7    | 7.3    |  |
| G63.5 | 7.0  | 5.5   | 5.5   | 5.1    | 5.6    | 7.3    | 5.6    | 5.4    | 7.0    |  |
| G64.0 | 6.6  | 5.3   | 5.3   | 5.2    | 5.1    | 7.2    | 5.2    | 5.4    | 6.6    |  |
| G64.5 | 6.5  | 4.9   | 4.8   | 5.1    | 5.0    | 6.9    | 5.1    | 5.0    | 6.5    |  |
| G65.0 | 6.3  | 4.8   | 4.8   | 4.5    | 4.9    | 6.6    | 4.9    | 4.6    | 6.3    |  |
| G65.5 | 5.8  | 4.5   | 4.5   | 4.5    | 4.4    | 6.3    | 4.6    | 4.7    | 5.8    |  |
| G66.0 | 5.8  | 4.2   | 4.1   | 4.3    | 4.3    | 6.2    | 4.4    | 4.4    | 5.8    |  |
| G66.5 | 5.6  | 4.0   | 4.0   | 3.9    | 4.1    | 5.8    | 4.2    | 4.2    | 5.6    |  |
| G67.0 | 5.4  | 3.8   | 3.8   | 4.0    | 3.7    | 5.5    | 4.0    | 4.0    | 5.4    |  |
| G67.5 | 5.3  | 3.6   | 3.3   | 3.7    | 3.8    | 5.4    | 3.8    | 3.8    | 5.3    |  |
| G68.0 | 5.1  | 3.4   | 3.5   | 3.5    | 3.5    | 5.3    | 3.6    | 3.3    | 5.1    |  |
| G68.5 | 4.9  | 3.2   | 3.3   | 3.3    | 3.3    | 4.9    | 3.4    | 3.3    | 4.9    |  |
| G69.0 | 4.6  | 3.1   | 2.8   | 3.2    | 3.2    | 4.8    | 3.0    | 3.2    | 4.6    |  |
| G69.5 | 4.4  | 2.9   | 2.9   | 3.0    | 3.0    | 4.7    | 2.9    | 2.7    | 4.4    |  |
| G70.0 | 4.2  | 2.7   | 2.8   | 2.8    | 2.8    | 4.5    | 2.8    | 2.7    | 4.2    |  |
| G70.5 | 3.9  | 2.5   | 2.6   | 2.6    | 2.7    | 4.3    | 2.5    | 2.6    | 3.9    |  |
| G71.0 | 3.9  | 2.3   | 2.4   | 2.5    | 2.5    | 4.1    | 2.5    | 2.4    | 3.9    |  |
| G71.5 | 3.8  | 2.2   | 2.2   | 2.3    | 2.4    | 4.0    | 2.3    | 2.3    | 3.8    |  |
| G72.0 | 3.4  | 2.0   | 2.0   | 2.2    | 2.2    | 4.0    | 2.2    | 2.1    | 3.4    |  |
| G72.5 | 3.5  | 1.8   | 1.9   | 2.0    | 2.0    | 3.8    | 2.0    | 1.9    | 3.5    |  |
| G73.0 | 3.3  | 1.7   | 1.7   | 1.9    | 1.9    | 3.4    | 1.8    | 1.8    | 3.3    |  |
| G73.5 | 3.2  | 1.6   | 1.5   | 1.7    | 1.7    | 3.2    | 1.6    | 1.6    | 3.2    |  |

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

**Candlepower Table (Continue 4)**

Unit: cd

| G\C   | C0.0 | C45.0 | C90.0 | C135.0 | C180.0 | C225.0 | C270.0 | C315.0 | C360.0 |  |
|-------|------|-------|-------|--------|--------|--------|--------|--------|--------|--|
| G74.0 | 3.1  | 1.4   | 2.9   | 1.5    | 1.6    | 3.3    | 1.4    | 1.5    | 3.1    |  |
| G74.5 | 2.8  | 1.2   | 2.8   | 1.4    | 1.5    | 3.1    | 1.3    | 1.4    | 2.8    |  |
| G75.0 | 2.7  | 1.1   | 2.6   | 1.2    | 1.3    | 2.8    | 1.2    | 1.2    | 2.7    |  |
| G75.5 | 2.5  | 0.9   | 1.0   | 1.1    | 1.2    | 2.8    | 0.9    | 1.1    | 2.5    |  |
| G76.0 | 2.3  | 0.8   | 0.8   | 1.0    | 1.0    | 2.6    | 0.9    | 0.9    | 2.3    |  |
| G76.5 | 2.2  | 0.5   | 0.7   | 0.8    | 0.9    | 2.5    | 0.8    | 0.8    | 2.2    |  |
| G77.0 | 2.1  | 0.5   | 0.7   | 0.7    | 0.8    | 2.3    | 0.7    | 0.7    | 2.1    |  |
| G77.5 | 2.1  | 0.4   | 0.5   | 0.4    | 0.7    | 2.2    | 0.5    | 0.5    | 2.1    |  |
| G78.0 | 1.9  | 0.1   | 0.3   | 0.5    | 0.5    | 2.1    | 0.4    | 0.4    | 1.9    |  |
| G78.5 | 1.6  | 0.1   | 0.3   | 0.3    | 0.4    | 1.8    | 0.3    | 0.3    | 1.6    |  |
| G79.0 | 1.6  | 0.1   | 0.1   | 0.0    | 0.3    | 1.8    | 0.0    | 0.0    | 1.6    |  |
| G79.5 | 1.5  | 0.0   | 0.0   | 0.1    | 0.2    | 1.7    | 0.0    | 0.1    | 1.5    |  |
| G80.0 | 1.3  | 0.0   | 0.0   | 0.0    | 0.1    | 1.4    | 0.0    | 0.0    | 1.3    |  |
| G80.5 | 1.3  | 0.0   | 0.0   | 0.0    | 0.0    | 1.5    | 0.0    | 0.0    | 1.3    |  |
| G81.0 | 1.2  | 0.0   | 0.0   | 0.0    | 0.0    | 1.4    | 0.0    | 0.0    | 1.2    |  |
| G81.5 | 1.1  | 0.0   | 0.0   | 0.0    | 0.0    | 1.1    | 0.0    | 0.0    | 1.1    |  |
| G82.0 | 0.6  | 0.0   | 0.0   | 0.8    | 0.0    | 1.1    | 0.0    | 0.0    | 0.6    |  |
| G82.5 | 1.1  | 0.0   | 0.0   | 1.0    | 0.0    | 1.1    | 0.0    | 0.0    | 1.1    |  |
| G83.0 | 0.8  | 0.0   | 0.6   | 0.8    | 0.0    | 1.0    | 0.0    | 0.0    | 0.8    |  |
| G83.5 | 0.7  | 0.0   | 0.7   | 0.8    | 0.0    | 0.8    | 0.0    | 0.0    | 0.7    |  |
| G84.0 | 0.9  | 0.0   | 0.6   | 0.7    | 0.0    | 0.7    | 0.0    | 0.0    | 0.9    |  |
| G84.5 | 0.5  | 0.0   | 0.6   | 0.5    | 0.0    | 0.7    | 0.0    | 0.0    | 0.5    |  |
| G85.0 | 0.3  | 0.0   | 0.0   | 0.7    | 0.0    | 0.6    | 0.0    | 0.0    | 0.3    |  |
| G85.5 | 0.4  | 0.0   | 0.0   | 0.4    | 0.0    | 0.5    | 0.0    | 0.0    | 0.4    |  |
| G86.0 | 0.3  | 0.0   | 0.0   | 0.4    | 0.0    | 0.5    | 0.0    | 0.0    | 0.3    |  |
| G86.5 | 0.1  | 0.0   | 0.0   | 0.3    | 0.0    | 0.2    | 0.0    | 0.0    | 0.1    |  |
| G87.0 | 0.3  | 0.0   | 0.0   | 0.2    | 0.0    | 0.3    | 0.0    | 0.0    | 0.3    |  |
| G87.5 | 0.3  | 0.0   | 0.0   | 0.3    | 0.0    | 0.3    | 0.0    | 0.0    | 0.3    |  |
| G88.0 | 0.2  | 0.0   | 0.0   | 0.3    | 0.0    | 0.2    | 0.0    | 0.0    | 0.2    |  |
| G88.5 | 0.3  | 0.0   | 0.0   | 0.0    | 0.0    | 0.3    | 0.0    | 0.0    | 0.3    |  |
| G89.0 | 0.2  | 0.0   | 0.0   | 0.2    | 0.0    | 0.3    | 0.0    | 0.0    | 0.2    |  |
| G89.5 | 0.3  | 0.0   | 0.0   | 0.3    | 0.0    | 0.3    | 0.0    | 0.0    | 0.3    |  |
| G90.0 | 0.4  | 0.0   | 0.0   | 0.3    | 0.0    | 0.4    | 0.0    | 0.0    | 0.4    |  |
| G90.5 | 0.2  | 0.0   | 0.0   | 0.2    | 0.0    | 0.3    | 0.0    | 0.0    | 0.2    |  |
| G91.0 | 0.0  | 0.0   | 0.0   | 0.2    | 0.0    | 0.5    | 0.0    | 0.0    | 0.0    |  |
| G91.5 | 0.1  | 0.0   | 0.0   | 0.2    | 0.0    | 0.3    | 0.0    | 0.0    | 0.1    |  |
| G92.0 | 0.2  | 0.0   | 0.0   | 0.3    | 0.0    | 0.5    | 0.0    | 0.0    | 0.2    |  |

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 5)

Unit: cd

| G\C    | C0.0 | C45.0 | C90.0 | C135.0 | C180.0 | C225.0 | C270.0 | C315.0 | C360.0 |
|--------|------|-------|-------|--------|--------|--------|--------|--------|--------|
| G92.5  | 0.3  | 0.0   | 0.0   | 0.2    | 0.0    | 0.2    | 0.0    | 0.0    | 0.3    |
| G93.0  | 0.0  | 0.0   | 0.0   | 0.2    | 0.0    | 0.1    | 0.0    | 0.0    | 0.0    |
| G93.5  | 0.2  | 0.0   | 0.0   | 0.1    | 0.0    | 0.3    | 0.0    | 0.0    | 0.2    |
| G94.0  | 0.3  | 0.0   | 0.0   | 0.3    | 0.0    | 0.3    | 0.0    | 0.0    | 0.3    |
| G94.5  | 0.1  | 0.0   | 0.0   | 0.2    | 0.0    | 0.1    | 0.0    | 0.0    | 0.1    |
| G95.0  | 0.2  | 0.0   | 0.0   | 0.0    | 0.0    | 0.2    | 0.0    | 0.0    | 0.2    |
| G95.5  | 0.3  | 0.0   | 0.0   | 0.0    | 0.0    | 0.2    | 0.0    | 0.0    | 0.3    |
| G96.0  | 0.1  | 0.0   | 0.0   | 0.0    | 0.0    | 0.3    | 0.0    | 0.0    | 0.1    |
| G96.5  | 0.2  | 0.0   | 0.0   | 0.0    | 0.0    | 0.3    | 0.0    | 0.0    | 0.2    |
| G97.0  | 0.2  | 0.0   | 0.0   | 0.2    | 0.0    | 0.3    | 0.0    | 0.0    | 0.2    |
| G97.5  | 0.2  | 0.0   | 0.0   | 0.3    | 0.0    | 0.3    | 0.0    | 0.0    | 0.2    |
| G98.0  | 0.1  | 0.0   | 0.0   | 0.3    | 0.0    | 0.3    | 0.0    | 0.0    | 0.1    |
| G98.5  | 0.3  | 0.0   | 0.0   | 0.2    | 0.0    | 0.8    | 0.0    | 0.0    | 0.3    |
| G99.0  | 0.3  | 0.0   | 0.3   | 0.2    | 0.0    | 0.3    | 0.0    | 0.0    | 0.3    |
| G99.5  | 0.3  | 0.0   | 0.2   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.3    |
| G100.0 | 0.3  | 0.0   | 0.2   | 0.0    | 0.0    | 0.3    | 0.0    | 0.0    | 0.3    |
| G100.5 | 0.3  | 0.0   | 0.1   | 0.0    | 0.0    | 0.4    | 0.0    | 0.0    | 0.3    |
| G101.0 | 0.1  | 0.0   | 0.3   | 0.0    | 0.0    | 0.1    | 0.0    | 0.0    | 0.1    |
| G101.5 | 0.3  | 0.0   | 0.3   | 0.0    | 0.0    | 0.3    | 0.0    | 0.0    | 0.3    |
| G102.0 | 0.3  | 0.0   | 0.0   | 0.2    | 0.0    | 0.3    | 0.0    | 0.0    | 0.3    |
| G102.5 | 0.6  | 0.0   | 0.0   | 0.1    | 0.0    | 0.1    | 0.0    | 0.0    | 0.6    |
| G103.0 | 0.3  | 0.0   | 0.0   | 0.0    | 0.0    | 0.3    | 0.0    | 0.0    | 0.3    |
| G103.5 | 0.3  | 0.0   | 0.0   | 0.0    | 0.0    | 0.2    | 0.0    | 0.0    | 0.3    |
| G104.0 | 0.3  | 0.0   | 0.2   | 0.0    | 0.0    | 0.3    | 0.0    | 0.0    | 0.3    |
| G104.5 | 0.1  | 0.0   | 0.2   | 0.0    | 0.0    | 0.3    | 0.0    | 0.0    | 0.1    |
| G105.0 | 0.7  | 0.0   | 0.1   | 0.0    | 0.0    | 0.2    | 0.0    | 0.0    | 0.7    |
| G105.5 | 0.2  | 0.0   | 0.3   | 0.0    | 0.0    | 0.3    | 0.0    | 0.0    | 0.2    |
| G106.0 | 0.3  | 0.0   | 0.3   | 0.0    | 0.0    | 0.3    | 0.0    | 0.0    | 0.3    |
| G106.5 | 0.3  | 0.0   | 0.1   | 0.0    | 0.0    | 0.3    | 0.0    | 0.0    | 0.3    |
| G107.0 | 0.3  | 0.0   | 0.3   | 0.0    | 0.0    | 0.3    | 0.0    | 0.0    | 0.3    |
| G107.5 | 0.3  | 0.0   | 0.3   | 0.0    | 0.0    | 0.1    | 0.0    | 0.0    | 0.3    |
| G108.0 | 0.2  | 0.0   | 0.3   | 0.0    | 0.0    | 0.3    | 0.0    | 0.0    | 0.2    |
| G108.5 | 0.3  | 0.0   | 0.3   | 0.0    | 0.0    | 0.3    | 0.0    | 0.0    | 0.3    |
| G109.0 | 0.3  | 0.0   | 0.3   | 0.0    | 0.0    | 0.1    | 0.0    | 0.0    | 0.3    |
| G109.5 | 0.1  | 0.0   | 0.6   | 0.0    | 0.0    | 0.3    | 0.0    | 0.0    | 0.1    |
| G110.0 | 0.3  | 0.0   | 0.1   | 0.0    | 0.0    | 0.3    | 0.0    | 0.0    | 0.3    |
| G110.5 | 0.3  | 0.0   | 0.3   | 0.0    | 0.0    | 0.1    | 0.0    | 0.0    | 0.3    |

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 6)

Unit: cd

| G\C    | C0.0 | C45.0 | C90.0 | C135.0 | C180.0 | C225.0 | C270.0 | C315.0 | C360.0 |
|--------|------|-------|-------|--------|--------|--------|--------|--------|--------|
| G111.0 | 0.1  | 0.0   | 0.3   | 0.2    | 0.0    | 0.3    | 0.0    | 0.0    | 0.1    |
| G111.5 | 0.3  | 0.0   | 0.0   | 0.3    | 0.0    | 0.3    | 0.0    | 0.0    | 0.3    |
| G112.0 | 0.2  | 0.0   | 0.3   | 0.3    | 0.0    | 0.1    | 0.0    | 0.0    | 0.2    |
| G112.5 | 0.3  | 0.0   | 0.3   | 0.0    | 0.0    | 0.3    | 0.0    | 0.0    | 0.3    |
| G113.0 | 0.3  | 0.0   | 0.7   | 0.0    | 0.0    | 0.3    | 0.0    | 0.0    | 0.3    |
| G113.5 | 0.3  | 0.0   | 0.0   | 0.0    | 0.0    | 0.1    | 0.0    | 0.0    | 0.3    |
| G114.0 | 0.3  | 0.0   | 0.0   | 0.0    | 0.0    | 0.3    | 0.0    | 0.0    | 0.3    |
| G114.5 | 0.3  | 0.0   | 0.0   | 0.0    | 0.0    | 0.2    | 0.0    | 0.0    | 0.3    |
| G115.0 | 0.3  | 0.0   | 0.0   | 0.0    | 0.0    | 0.2    | 0.0    | 0.0    | 0.3    |
| G115.5 | 0.3  | 0.0   | 0.0   | 0.0    | 0.0    | 0.3    | 0.0    | 0.0    | 0.3    |
| G116.0 | 0.1  | 0.0   | 0.0   | 0.0    | 0.0    | 0.3    | 0.0    | 0.0    | 0.1    |
| G116.5 | 0.1  | 0.0   | 0.0   | 0.0    | 0.0    | 0.3    | 0.0    | 0.0    | 0.1    |
| G117.0 | 0.3  | 0.0   | 0.0   | 0.0    | 0.0    | 0.3    | 0.0    | 0.0    | 0.3    |
| G117.5 | 0.1  | 0.0   | 0.0   | 0.0    | 0.0    | 0.3    | 0.0    | 0.0    | 0.1    |
| G118.0 | 0.3  | 0.0   | 0.0   | 0.0    | 0.0    | 0.3    | 0.0    | 0.0    | 0.3    |
| G118.5 | 0.3  | 0.0   | 0.0   | 0.0    | 0.0    | 0.1    | 0.0    | 0.0    | 0.3    |
| G119.0 | 0.3  | 0.0   | 0.0   | 0.0    | 0.0    | 0.3    | 0.0    | 0.0    | 0.3    |
| G119.5 | 0.3  | 0.0   | 0.2   | 0.0    | 0.0    | 0.5    | 0.0    | 0.0    | 0.3    |
| G120.0 | 0.3  | 0.0   | 0.3   | 0.0    | 0.0    | 0.2    | 0.0    | 0.0    | 0.3    |
| G120.5 | 0.3  | 0.0   | 0.0   | 0.0    | 0.0    | 0.3    | 0.0    | 0.0    | 0.3    |
| G121.0 | 0.4  | 0.0   | 0.1   | 0.0    | 0.0    | 0.3    | 0.0    | 0.0    | 0.4    |
| G121.5 | 0.3  | 0.0   | 0.3   | 0.0    | 0.0    | 0.5    | 0.0    | 0.0    | 0.3    |
| G122.0 | 0.3  | 0.0   | 0.3   | 0.0    | 0.0    | 0.3    | 0.0    | 0.0    | 0.3    |
| G122.5 | 0.2  | 0.0   | 0.1   | 0.0    | 0.0    | 0.4    | 0.0    | 0.0    | 0.2    |
| G123.0 | 0.3  | 0.3   | 0.3   | 0.0    | 0.0    | 0.4    | 0.0    | 0.0    | 0.3    |
| G123.5 | 0.3  | 0.3   | 0.3   | 0.0    | 0.0    | 0.4    | 0.0    | 0.0    | 0.3    |
| G124.0 | 0.1  | 0.2   | 0.6   | 0.0    | 0.0    | 0.4    | 0.0    | 0.0    | 0.1    |
| G124.5 | 0.4  | 0.0   | 0.4   | 0.0    | 0.0    | 0.4    | 0.0    | 0.0    | 0.4    |
| G125.0 | 0.4  | 0.0   | 0.4   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.4    |
| G125.5 | 0.2  | 0.0   | 0.4   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.2    |
| G126.0 | 0.5  | 0.0   | 0.4   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.5    |
| G126.5 | 0.4  | 0.0   | 0.4   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.4    |
| G127.0 | 0.2  | 0.0   | 0.1   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.2    |
| G127.5 | 0.4  | 0.0   | 0.3   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.4    |
| G128.0 | 0.5  | 0.0   | 0.4   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.5    |
| G128.5 | 0.4  | 0.0   | 0.4   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.4    |
| G129.0 | 0.3  | 0.0   | 0.2   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.3    |

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 7)

Unit: cd

| G\C    | C0.0 | C45.0 | C90.0 | C135.0 | C180.0 | C225.0 | C270.0 | C315.0 | C360.0 |
|--------|------|-------|-------|--------|--------|--------|--------|--------|--------|
| G129.5 | 0.4  | 0.0   | 0.5   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.4    |
| G130.0 | 0.4  | 0.0   | 0.9   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.4    |
| G130.5 | 0.4  | 0.0   | 0.5   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.4    |
| G131.0 | 0.4  | 0.0   | 0.4   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.4    |
| G131.5 | 0.5  | 0.0   | 0.5   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.5    |
| G132.0 | 0.3  | 0.0   | 0.2   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.3    |
| G132.5 | 0.2  | 0.0   | 0.5   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.2    |
| G133.0 | 0.6  | 0.0   | 0.5   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.6    |
| G133.5 | 0.3  | 0.0   | 0.5   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.3    |
| G134.0 | 0.5  | 0.0   | 0.3   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.5    |
| G134.5 | 0.5  | 0.0   | 0.5   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.5    |
| G135.0 | 0.5  | 0.0   | 0.5   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.5    |
| G135.5 | 0.6  | 0.0   | 0.4   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.6    |
| G136.0 | 0.5  | 0.0   | 0.6   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.5    |
| G136.5 | 0.6  | 0.0   | 0.6   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.6    |
| G137.0 | 0.5  | 0.0   | 0.6   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.5    |
| G137.5 | 0.6  | 0.0   | 0.6   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.6    |
| G138.0 | 0.6  | 0.0   | 0.6   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.6    |
| G138.5 | 0.4  | 0.0   | 0.6   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.4    |
| G139.0 | 0.7  | 0.0   | 0.6   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.7    |
| G139.5 | 0.6  | 0.0   | 0.6   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.6    |
| G140.0 | 0.5  | 0.0   | 0.8   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.5    |
| G140.5 | 0.6  | 0.0   | 0.5   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.6    |
| G141.0 | 0.6  | 0.0   | 0.7   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.6    |
| G141.5 | 0.7  | 0.0   | 0.7   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.7    |
| G142.0 | 0.7  | 0.0   | 0.5   | 0.0    | 0.0    | 0.0    | 0.6    | 0.0    | 0.7    |
| G142.5 | 0.7  | 0.0   | 0.8   | 0.0    | 0.0    | 0.0    | 0.7    | 0.0    | 0.7    |
| G143.0 | 0.6  | 0.0   | 0.8   | 0.0    | 0.0    | 0.0    | 0.8    | 0.0    | 0.6    |
| G143.5 | 0.8  | 0.0   | 0.8   | 0.0    | 0.0    | 0.0    | 0.6    | 0.0    | 0.8    |
| G144.0 | 0.8  | 0.0   | 1.1   | 0.0    | 0.0    | 0.0    | 0.8    | 0.0    | 0.8    |
| G144.5 | 0.6  | 0.0   | 0.4   | 0.0    | 0.0    | 0.0    | 0.8    | 0.0    | 0.6    |
| G145.0 | 0.6  | 0.0   | 0.8   | 0.0    | 0.0    | 0.0    | 0.7    | 0.0    | 0.6    |
| G145.5 | 0.8  | 0.0   | 0.8   | 0.0    | 0.0    | 0.0    | 0.8    | 0.0    | 0.8    |
| G146.0 | 0.8  | 0.0   | 0.8   | 0.0    | 0.0    | 0.0    | 0.9    | 0.0    | 0.8    |
| G146.5 | 0.7  | 0.0   | 0.9   | 0.0    | 0.0    | 0.0    | 0.8    | 0.0    | 0.7    |
| G147.0 | 0.8  | 0.0   | 0.7   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.8    |
| G147.5 | 0.9  | 0.0   | 0.9   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.9    |

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

**Candlepower Table (Continue 8)**

Unit: cd

| G\C    | C0.0 | C45.0 | C90.0 | C135.0 | C180.0 | C225.0 | C270.0 | C315.0 | C360.0 |
|--------|------|-------|-------|--------|--------|--------|--------|--------|--------|
| G148.0 | 0.9  | 0.0   | 0.9   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.9    |
| G148.5 | 0.9  | 0.0   | 0.8   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.9    |
| G149.0 | 0.9  | 0.0   | 0.9   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.9    |
| G149.5 | 0.6  | 0.0   | 0.9   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.6    |
| G150.0 | 1.0  | 0.0   | 1.4   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.0    |
| G150.5 | 1.0  | 0.0   | 1.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.0    |
| G151.0 | 1.2  | 0.0   | 1.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.2    |
| G151.5 | 0.8  | 0.0   | 1.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.8    |
| G152.0 | 1.0  | 0.0   | 1.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.0    |
| G152.5 | 1.0  | 0.9   | 1.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.0    |
| G153.0 | 0.9  | 0.9   | 1.1   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.9    |
| G153.5 | 1.0  | 1.2   | 0.9   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.0    |
| G154.0 | 1.1  | 0.0   | 1.4   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.1    |
| G154.5 | 1.4  | 0.0   | 1.1   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.4    |
| G155.0 | 1.2  | 0.0   | 1.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.2    |
| G155.5 | 1.1  | 0.0   | 1.2   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.1    |
| G156.0 | 1.1  | 0.0   | 1.2   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.1    |
| G156.5 | 1.4  | 0.0   | 1.4   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.4    |
| G157.0 | 1.2  | 1.0   | 1.2   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.2    |
| G157.5 | 1.2  | 1.1   | 1.3   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.2    |
| G158.0 | 1.1  | 1.1   | 1.3   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.1    |
| G158.5 | 1.2  | 1.1   | 1.2   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.2    |
| G159.0 | 1.3  | 0.0   | 1.2   | 0.0    | 1.2    | 0.0    | 0.0    | 0.0    | 1.3    |
| G159.5 | 1.1  | 0.0   | 1.2   | 0.0    | 1.3    | 0.0    | 0.0    | 0.0    | 1.1    |
| G160.0 | 1.3  | 0.0   | 1.2   | 0.0    | 1.3    | 0.0    | 0.0    | 0.0    | 1.3    |
| G160.5 | 1.3  | 1.1   | 1.3   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.3    |
| G161.0 | 1.5  | 1.2   | 1.3   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.5    |
| G161.5 | 1.3  | 1.3   | 1.2   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.3    |
| G162.0 | 1.4  | 1.2   | 1.4   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.4    |
| G162.5 | 1.3  | 1.3   | 1.4   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.3    |
| G163.0 | 1.4  | 1.1   | 1.5   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.4    |
| G163.5 | 1.1  | 1.3   | 1.3   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.1    |
| G164.0 | 1.4  | 0.0   | 1.3   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.4    |
| G164.5 | 1.4  | 0.0   | 1.4   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.4    |
| G165.0 | 1.4  | 0.0   | 1.7   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.4    |
| G165.5 | 1.5  | 1.2   | 1.4   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.5    |
| G166.0 | 1.3  | 1.4   | 1.1   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.3    |

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

