

Report No.:

Test Time: 2021-03-22 16:29

## Luminaire Property

Luminaire Manufacturer:

Luminaire Description: MLS032W12V30KDC Voltage: 12.2 V

Current: 0.174 A

Power: 2.00 W

Power Factor: 0.943

Volt Amps: 2.12 VA

## Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 253.9 lm

Measurement Flux: 253.9 lm

Efficiency: 100%

Downward Ratio: 98%

Upward Ratio: 2%

Horizontal Diffuse Angle(10%,50%,75%,100%): H164.9,H119.1,H76.7,H20

Vertical Diffuse Angle(10%,50%,75%,100%): V163.4,V110.5,V80.1,V11

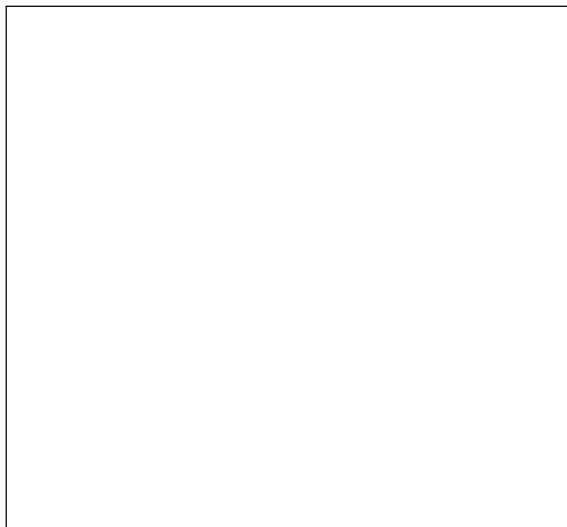
Luminaire Efficacy Rating (LER): 127

Central Intensity: 81.49 cd

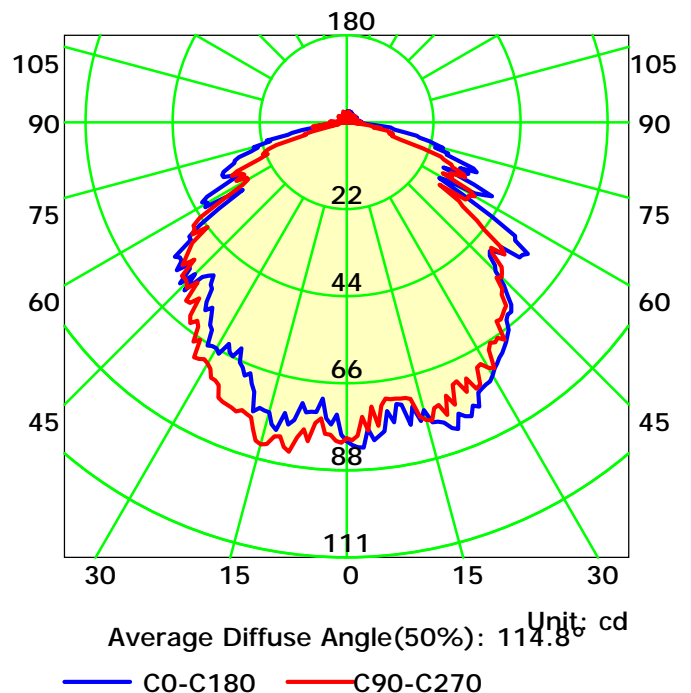
Max. Intensity: 85.52 cd

Pos of Max. Intensity: H270 V10

Picture Of Luminaire



Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

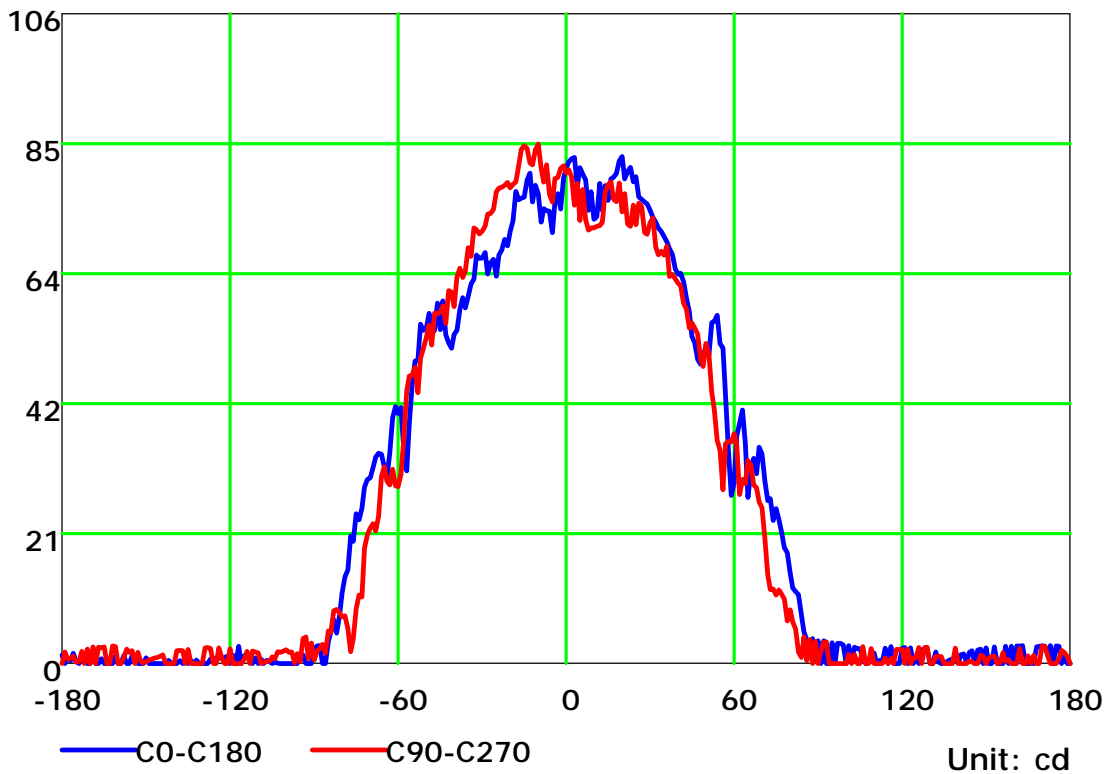
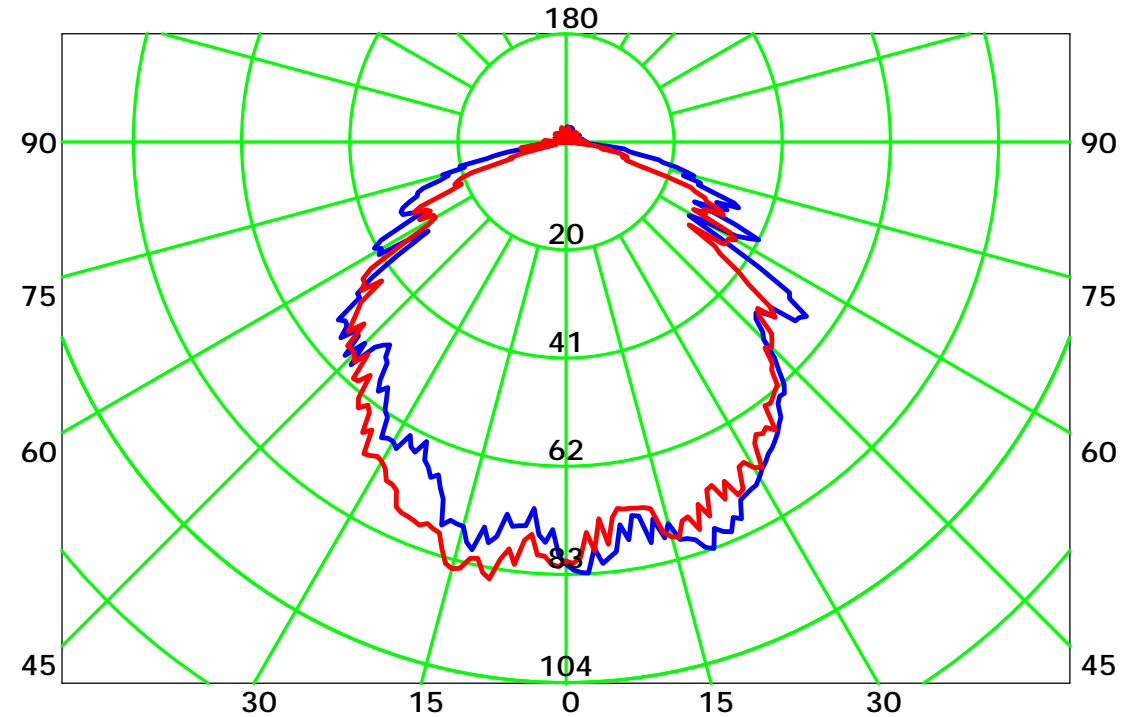
Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

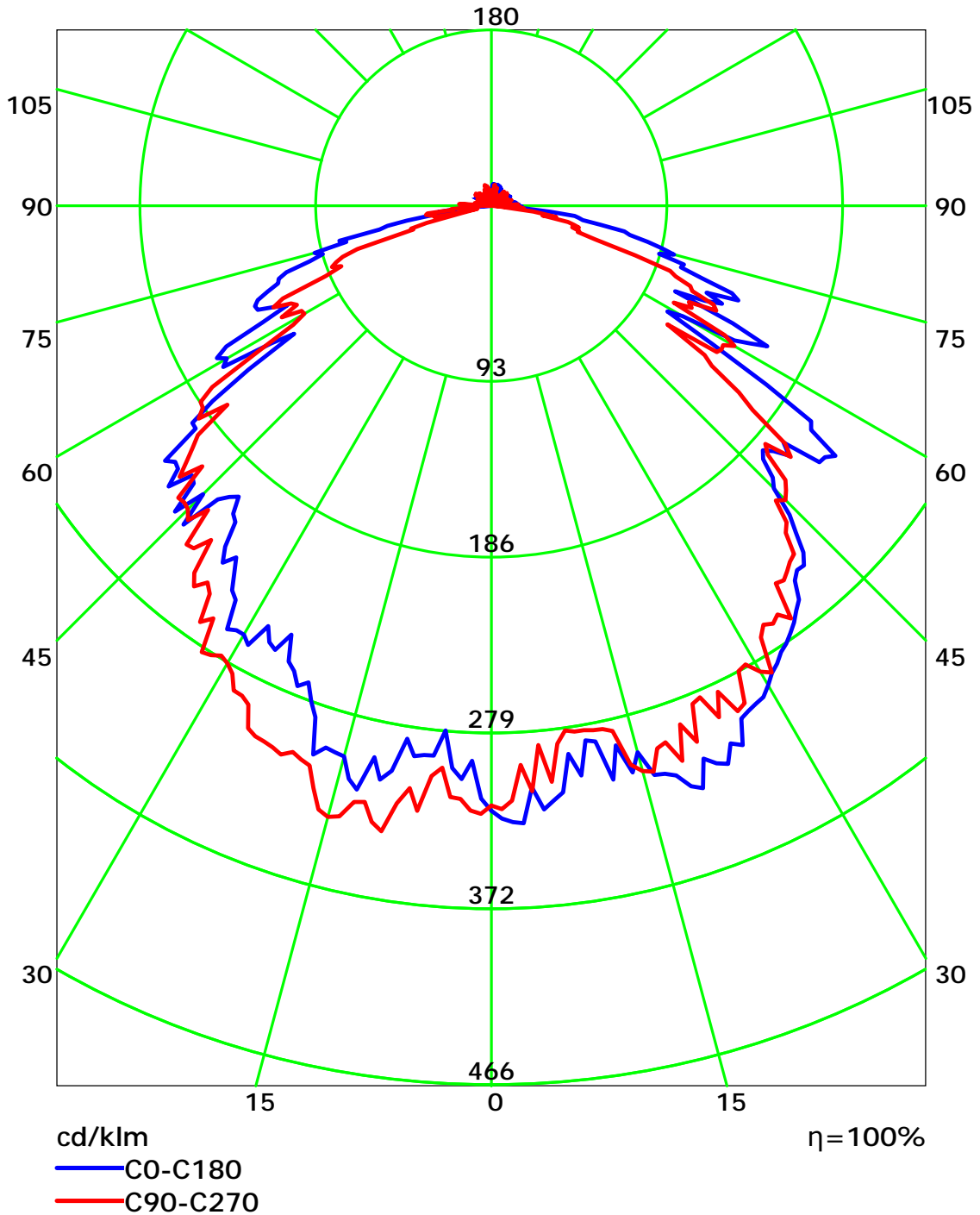
## Luminous Intensity Distribution Curve



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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Luminous Intensity Distribution Curve(cd/klm)



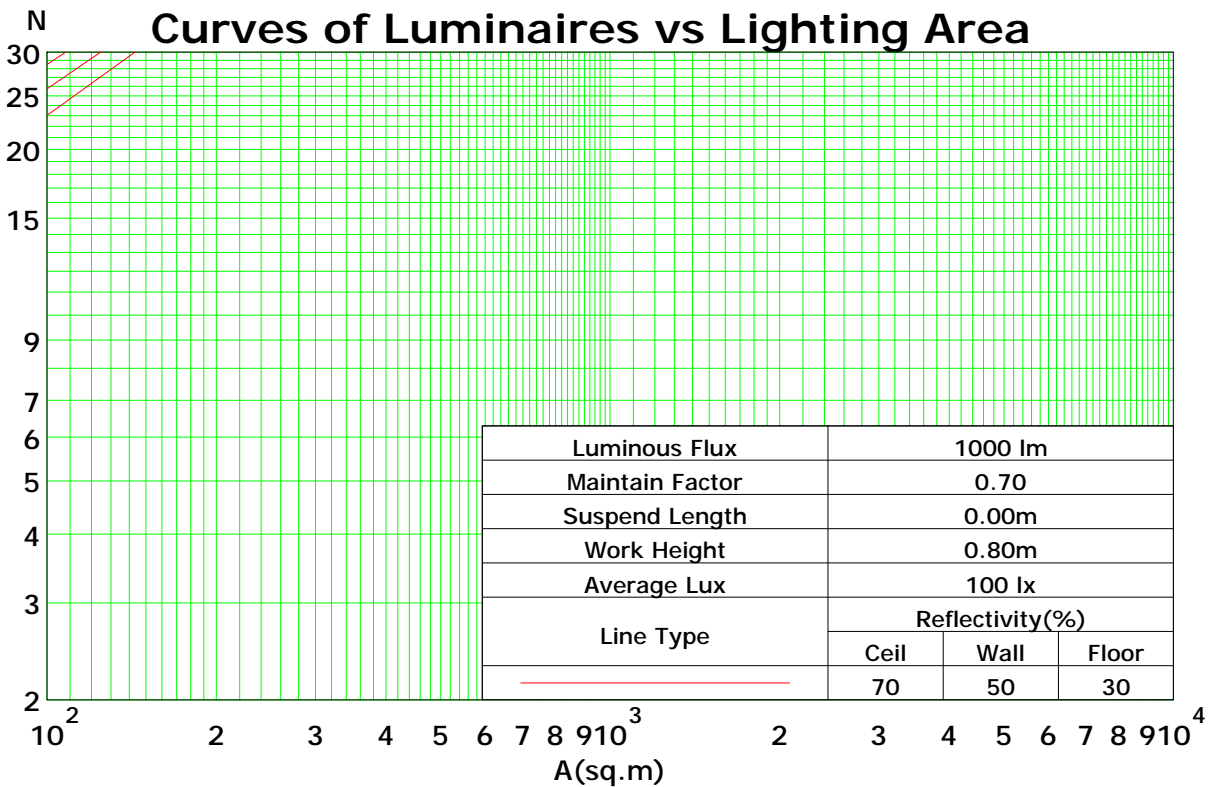
C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 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 | 110 | 110 | 110 | 105 | 105 | 105 | 100 | 100 | 100 | 98 |
| 1   | 108      | 103 | 98  | 94  | 105 | 100 | 96  | 92  | 95  | 92  | 89  | 91  | 88  | 86  | 87  | 85  | 83  | 81 |
| 2   | 97       | 89  | 82  | 76  | 95  | 87  | 80  | 75  | 83  | 77  | 73  | 79  | 75  | 71  | 76  | 72  | 69  | 66 |
| 3   | 89       | 78  | 69  | 63  | 86  | 76  | 68  | 62  | 73  | 66  | 60  | 70  | 64  | 59  | 67  | 62  | 58  | 55 |
| 4   | 81       | 69  | 60  | 53  | 78  | 67  | 59  | 52  | 64  | 57  | 51  | 62  | 55  | 50  | 59  | 54  | 49  | 47 |
| 5   | 74       | 61  | 52  | 45  | 72  | 60  | 51  | 45  | 58  | 50  | 44  | 55  | 49  | 43  | 53  | 47  | 43  | 41 |
| 6   | 69       | 55  | 46  | 39  | 66  | 54  | 45  | 39  | 52  | 44  | 38  | 50  | 43  | 38  | 48  | 42  | 37  | 35 |
| 7   | 64       | 50  | 41  | 35  | 62  | 49  | 40  | 34  | 47  | 39  | 34  | 45  | 39  | 34  | 44  | 38  | 33  | 31 |
| 8   | 59       | 45  | 37  | 31  | 57  | 45  | 36  | 31  | 43  | 36  | 30  | 42  | 35  | 30  | 40  | 34  | 30  | 28 |
| 9   | 55       | 42  | 33  | 28  | 54  | 41  | 33  | 27  | 40  | 32  | 27  | 38  | 32  | 27  | 37  | 31  | 27  | 25 |
| 10  | 52       | 38  | 30  | 25  | 50  | 38  | 30  | 25  | 37  | 29  | 25  | 35  | 29  | 24  | 34  | 28  | 24  | 22 |

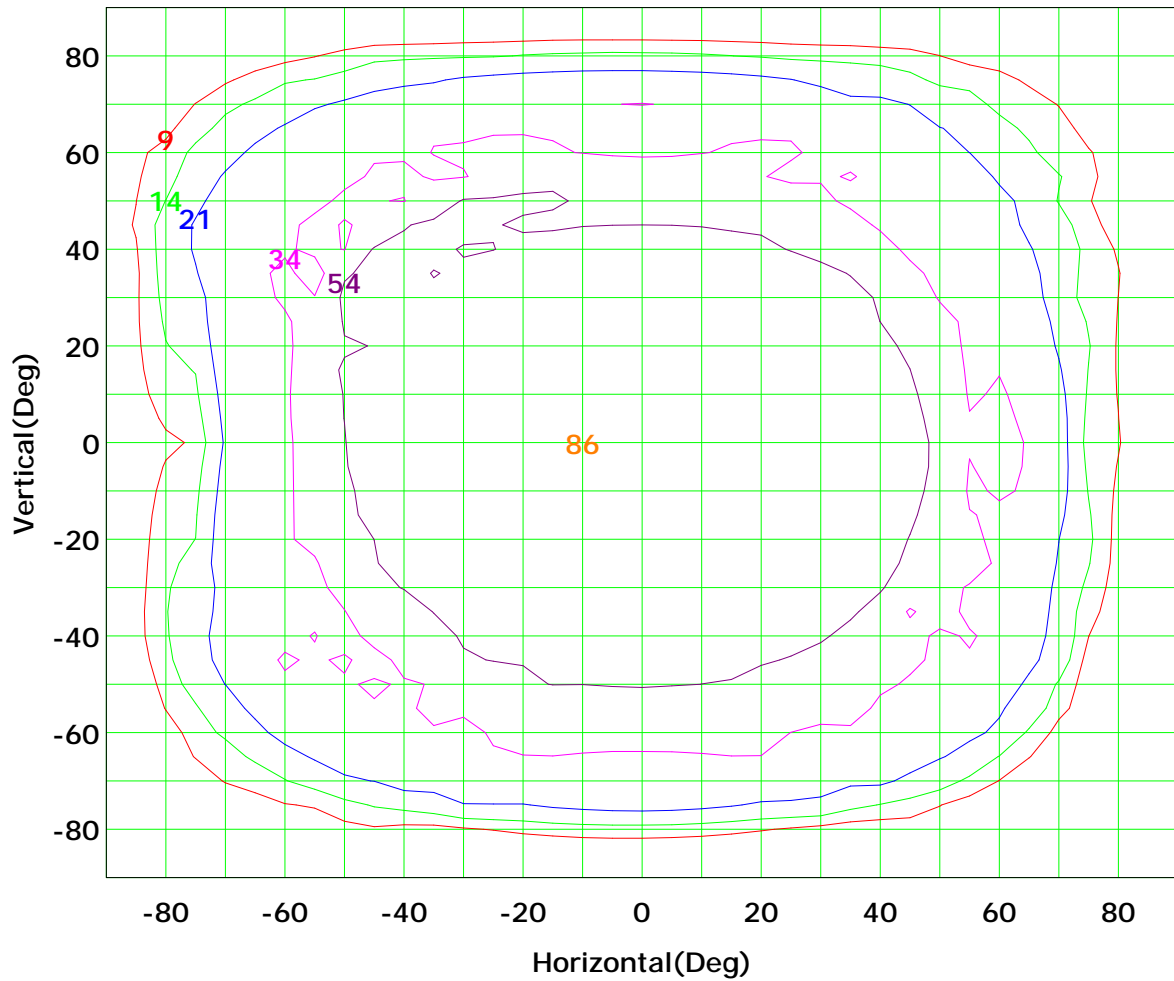
Spacing Criteria (0-180): 1.28  
 Spacing Criteria (90-270): 1.31  
 Spacing Criteria (Diagonal): 1.42



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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Isocandela (rectangle)



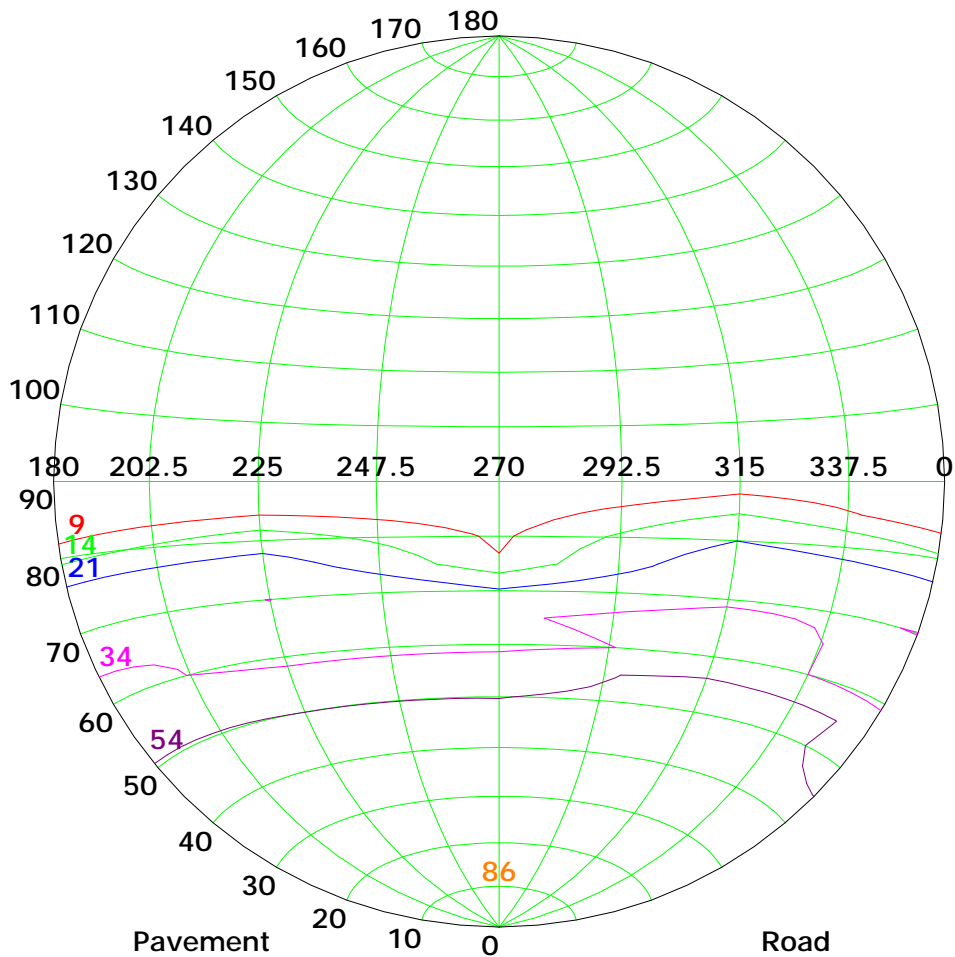
Imax (100%): 86 cd

|           |       |           |       |
|-----------|-------|-----------|-------|
| — ( 10%): | 9 cd  | — ( 16%): | 14 cd |
| — ( 25%): | 21 cd | — ( 40%): | 34 cd |
| — ( 63%): | 54 cd | — (100%): | 86 cd |

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

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600  
Distance: 8.177 m  
Humidity:  
Inspector:

## Isocandela (sphere)



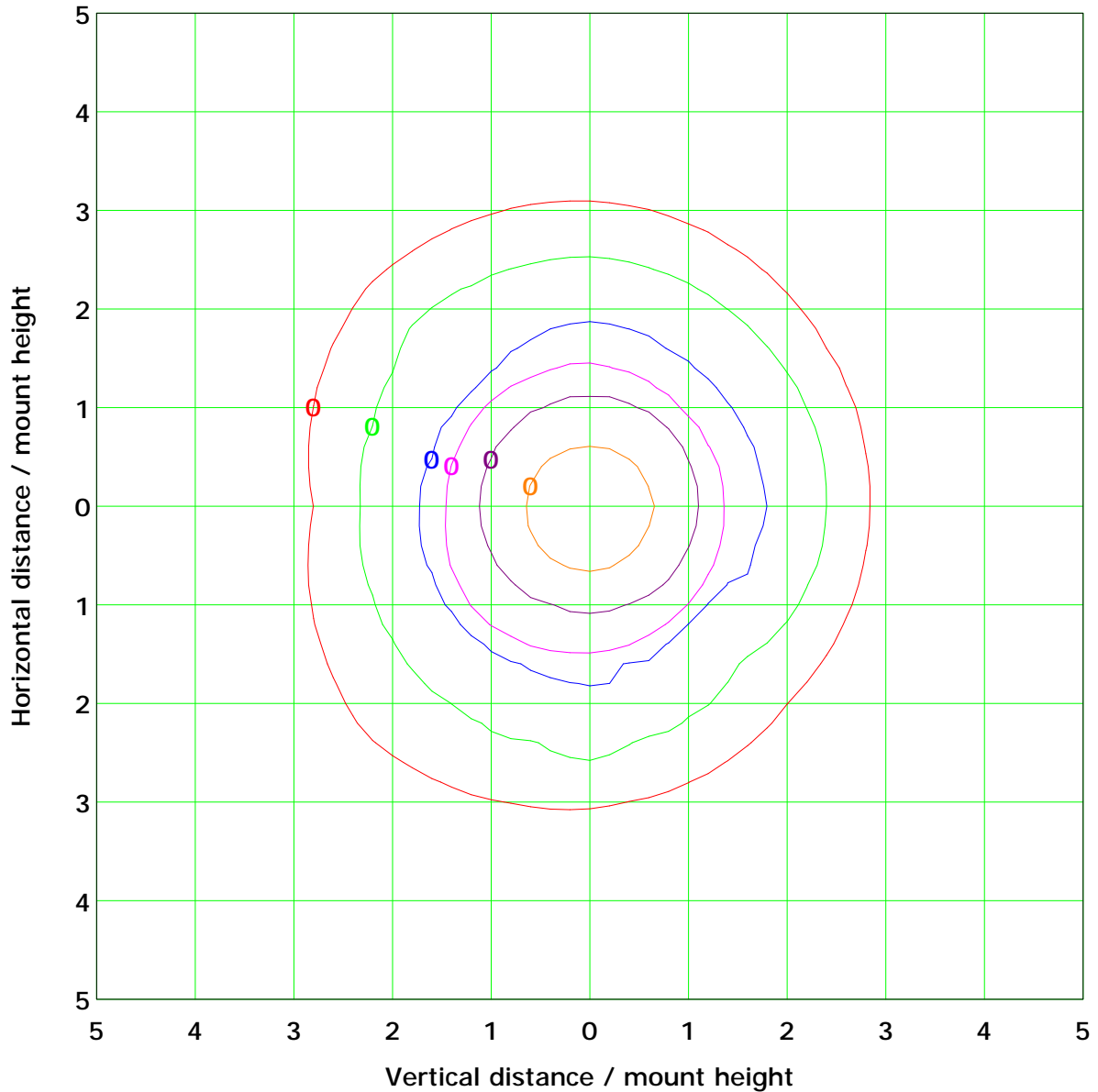
**Imax (100%): 86 cd**

|           |       |           |       |
|-----------|-------|-----------|-------|
| — ( 10%): | 9 cd  | — ( 16%): | 14 cd |
| — ( 25%): | 21 cd | — ( 40%): | 34 cd |
| — ( 63%): | 54 cd | — (100%): | 86 cd |

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

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600  
Distance: 8.177 m  
Humidity:  
Inspector:

### IsoLux Plot



Mounting Height: 10.0m    Max Lux(100%): 0.8 lx

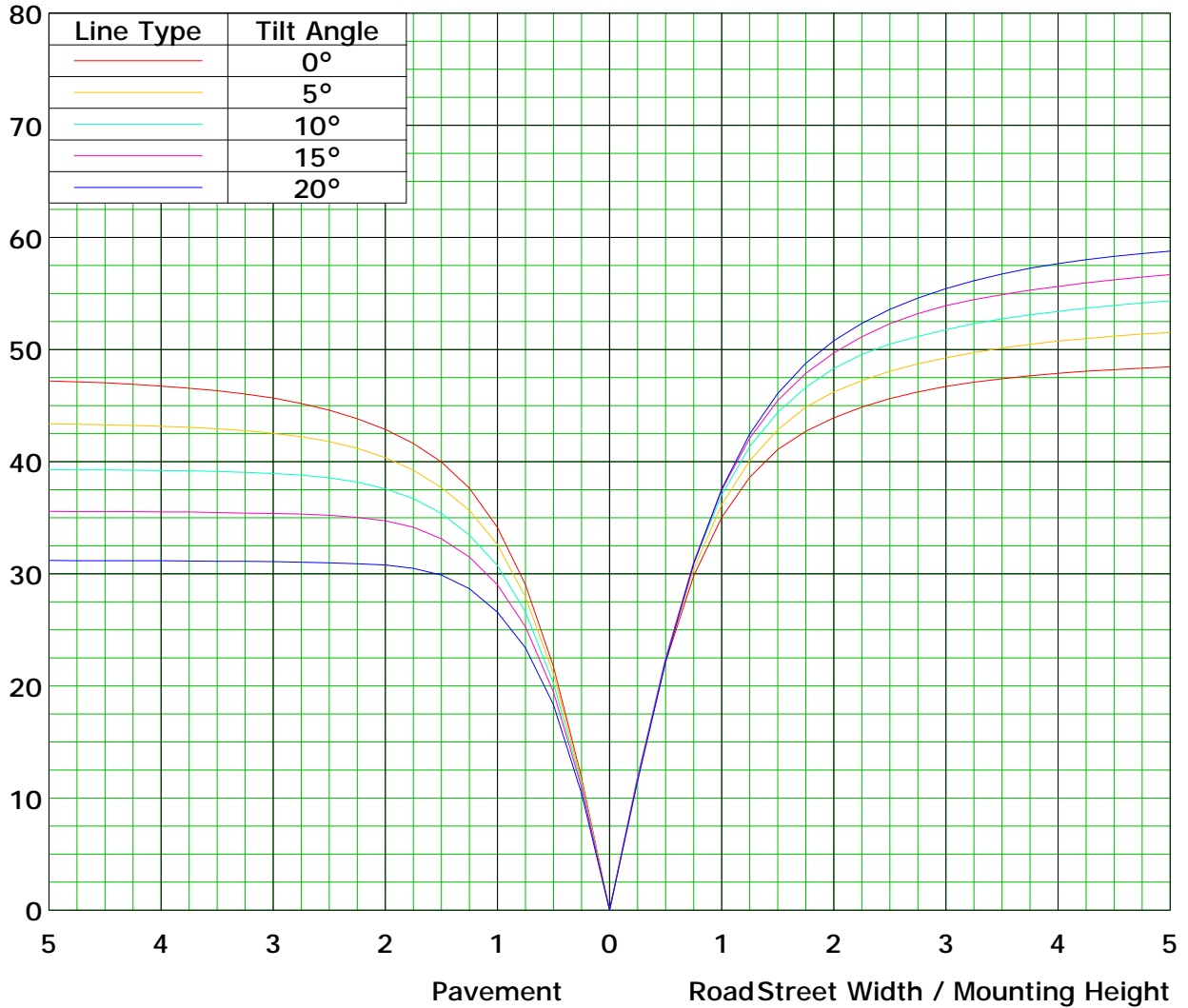
|                |                |
|----------------|----------------|
| ( 1%): 0.0 lx  | ( 2%): 0.0 lx  |
| ( 5%): 0.0 lx  | ( 10%): 0.1 lx |
| ( 20%): 0.2 lx | ( 50%): 0.4 lx |
| (100%): 0.8 lx |                |

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Roadway CU Curve

Efficiency(%)



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

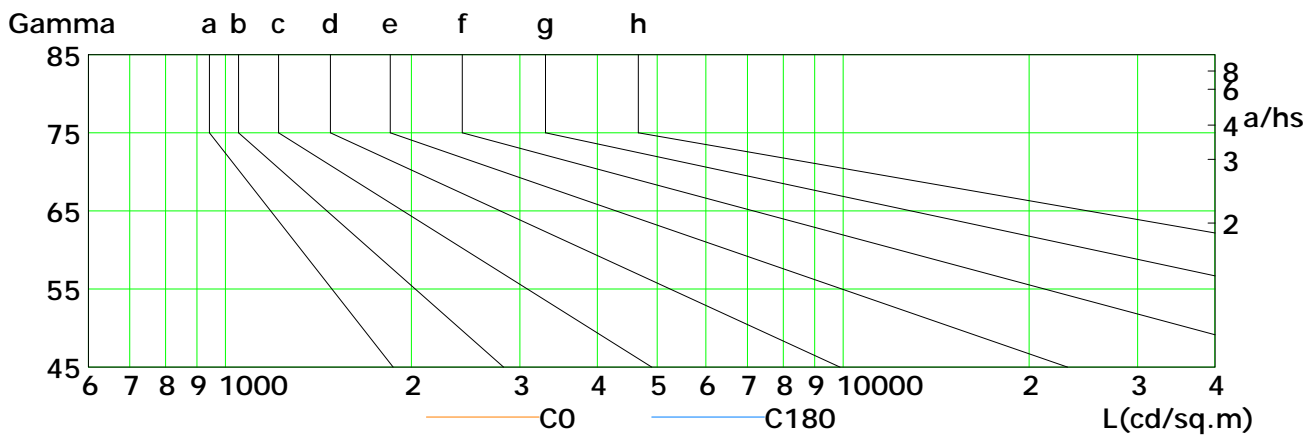
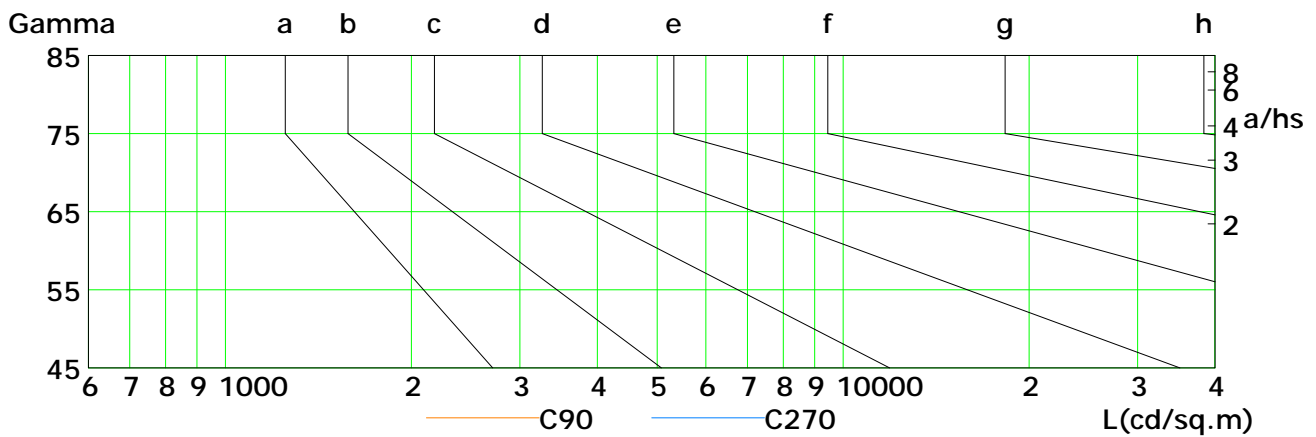
Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:



### 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

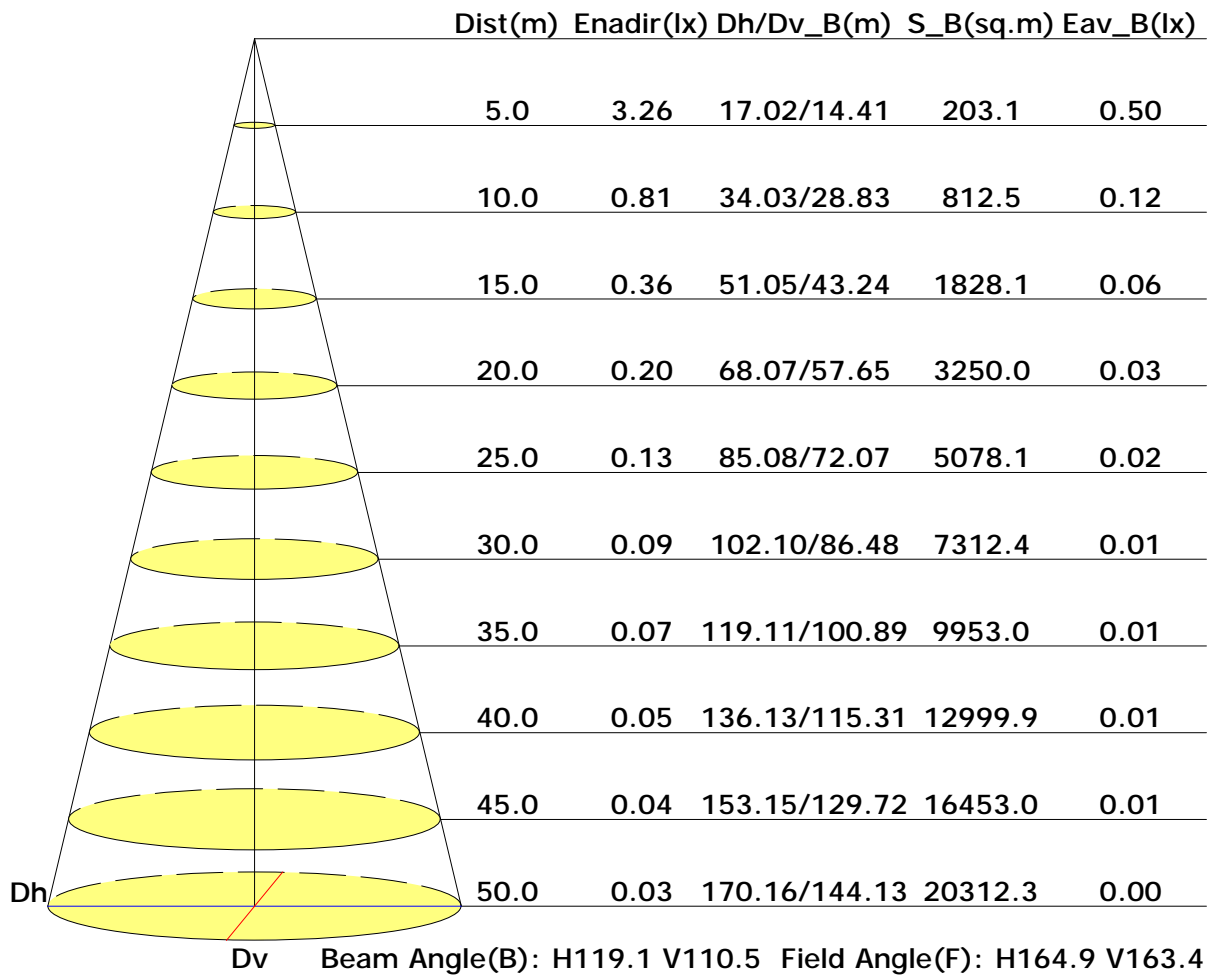


| L(cd/sq.m) | G45 | G50 | G55 | G60 | G65 | G70 | G75 | G80 | G85 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| C0         | 54  | 52  | 53  | 30  | 27  | 35  | 25  | 15  | 5   |
| C90        | 56  | 53  | 35  | 38  | 33  | 26  | 11  | 9   | 4   |
| C180       | 55  | 55  | 46  | 41  | 32  | 31  | 25  | 12  | 4   |
| C270       | 58  | 54  | 47  | 29  | 32  | 22  | 9   | 8   | 5   |

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

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600  
Distance: 8.177 m  
Humidity:  
Inspector:

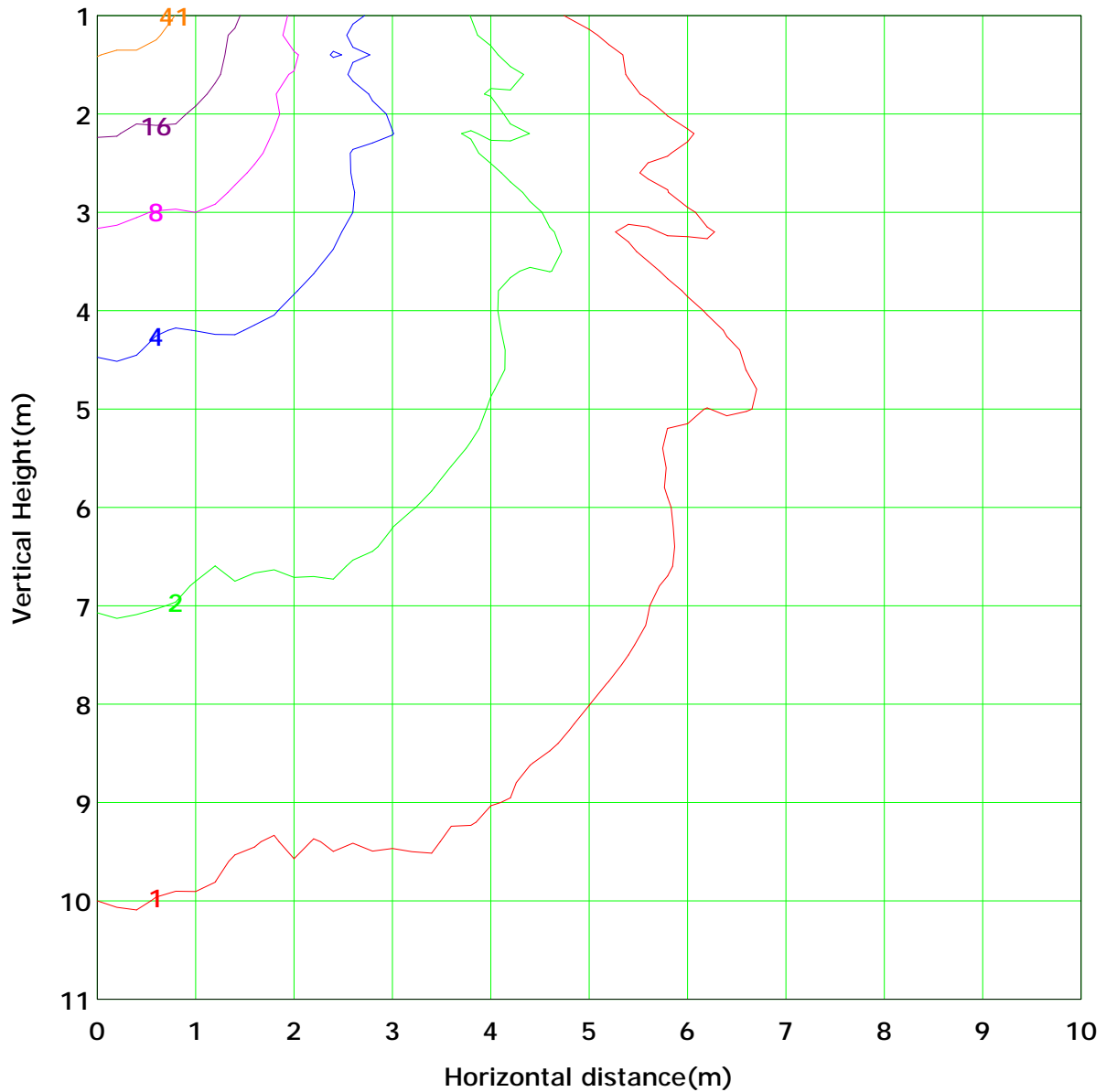
## Illuminance at a Distance



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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Vertical IsoLux Plot



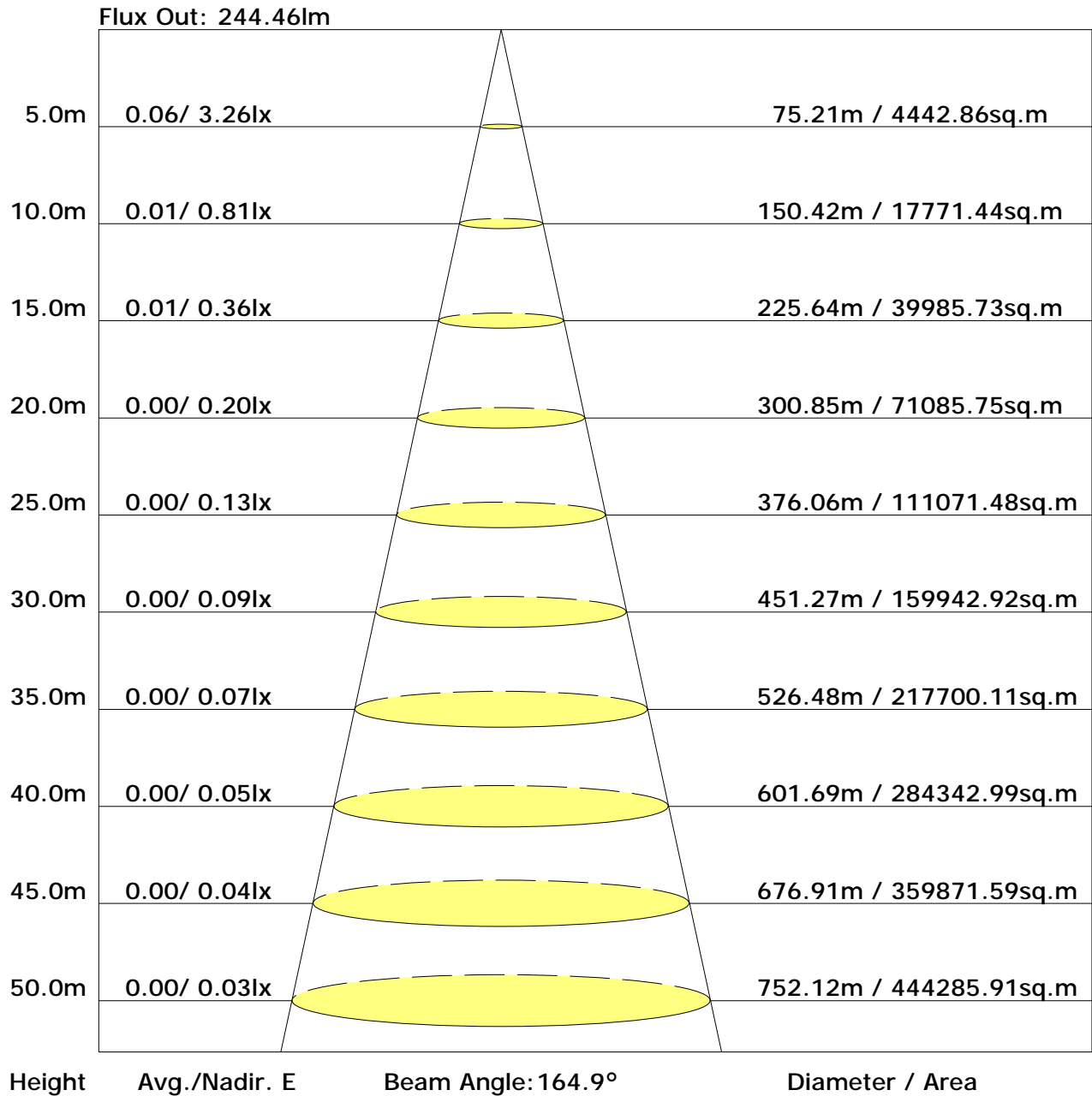
|                 |                   |                  |
|-----------------|-------------------|------------------|
| Lowest(m): 1.0m | Highest(m): 11.0m | Max Lux: 81.5 lx |
| ( 1%): 0.8 lx   | ( 2%): 1.6 lx     |                  |
| ( 5%): 4.1 lx   | ( 10%): 8.1 lx    |                  |
| ( 20%): 16.3 lx | ( 50%): 40.7 lx   |                  |
| (100%): 81.5 lx |                   |                  |

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:



## The Average Illuminance Effective Figure



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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## UGR Table

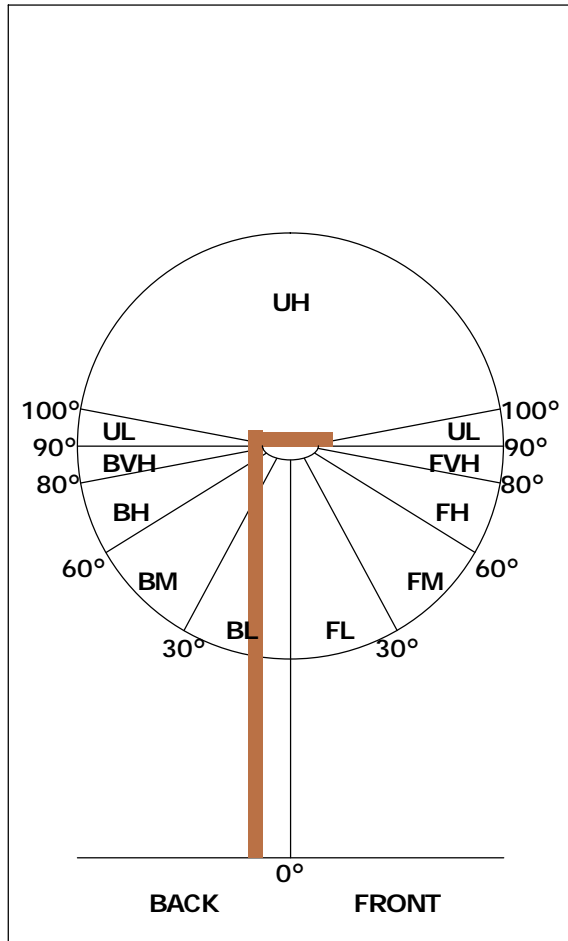
|                  |                  |      |      |      |      |                |      |      |      |      |
|------------------|------------------|------|------|------|------|----------------|------|------|------|------|
| Reflectance:     |                  |      |      |      |      |                |      |      |      |      |
| 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.\$ |

Calculate in accordance with CIE 190:2010

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

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



| ZONE                 | LUMENS     | % LAMP LUMENS |
|----------------------|------------|---------------|
| <b>FORWARD LIGHT</b> | <b>126</b> | <b>49.7</b>   |
| FL ( 0°-30°)         | 32         | 12.8          |
| FM (30°-60°)         | 64         | 25.2          |
| FH (60°-80°)         | 26         | 10.2          |
| FVH (80°-90°)        | 4          | 1.5           |
| <b>BACK LIGHT</b>    | <b>122</b> | <b>48.1</b>   |
| BL ( 0°-30°)         | 31         | 12.3          |
| BM (30°-60°)         | 62         | 24.4          |
| BH (60°-80°)         | 26         | 10.3          |
| BVH (80°-90°)        | 3          | 1.1           |
| <b>UP LIGHT</b>      | <b>6</b>   | <b>2.2</b>    |
| UL (90°-100°)        | 2          | 0.6           |
| UH (100°-180°)       | 4          | 1.6           |
| <b>TRAPPED LIGHT</b> | <b>NA</b>  | <b>NA</b>     |

| <b>BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07</b>      |          |
|--|----------|
| Asymmetrical Luminaire Types<br>(Type I,II,III,IV)               | B0 U1 G0 |
| Quadrilateral Symmetrical Luminaire Types<br>(Type V,Area Light) | B0 U1 G0 |

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:





## Utilisation Factor Table(Floor cavity)

| Utilisation Factors UF(F)   |      |       | SHR NOM = 1.50 |      |      |      |      |      |      |      |      |
|---|------|-------|----------------|------|------|------|------|------|------|------|------|
| Room Reflectance  |      |       | Room Index(RI) |      |      |      |      |      |      |      |      |
| Ceiling   | Wall | Floor | 0.75           | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 |
| 0.70  | 0.50 | 0.20  | 0.58           | 0.66 | 0.74 | 0.79 | 0.86 | 0.91 | 0.95 | 1.00 | 1.03 |
|   | 0.30 |       | 0.50           | 0.59 | 0.66 | 0.72 | 0.80 | 0.86 | 0.90 | 0.95 | 0.99 |
|   | 0.20 |       | 0.45           | 0.53 | 0.61 | 0.66 | 0.75 | 0.81 | 0.85 | 0.91 | 0.96 |
| 0.50  | 0.50 | 0.20  | 0.56           | 0.64 | 0.71 | 0.76 | 0.83 | 0.88 | 0.91 | 0.95 | 0.98 |
|   | 0.30 |       | 0.49           | 0.57 | 0.65 | 0.70 | 0.78 | 0.83 | 0.87 | 0.92 | 0.95 |
|   | 0.20 |       | 0.44           | 0.52 | 0.60 | 0.65 | 0.73 | 0.79 | 0.83 | 0.88 | 0.92 |
| 0.30  | 0.50 | 0.20  | 0.55           | 0.62 | 0.69 | 0.73 | 0.80 | 0.84 | 0.87 | 0.91 | 0.94 |
|   | 0.30 |       | 0.49           | 0.56 | 0.63 | 0.68 | 0.75 | 0.80 | 0.84 | 0.88 | 0.91 |
|   | 0.20 |       | 0.44           | 0.51 | 0.59 | 0.64 | 0.71 | 0.77 | 0.80 | 0.86 | 0.89 |
| 0.00  | 0.00 | 0.00  | 0.42           | 0.49 | 0.56 | 0.61 | 0.68 | 0.72 | 0.76 | 0.81 | 0.84 |
| <p>Rating:2W 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 (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Utilisation Factor Table(Wall)

| Utilisation Factors UF(W)   |      |       | SHR NOM = 1.50 |      |      |      |      |      |      |      |      |  |
|---|------|-------|----------------|------|------|------|------|------|------|------|------|--|
| Room Reflectance  |      |       | Room Index(RI) |      |      |      |      |      |      |      |      |  |
| Ceiling   | Wall | Floor | 0.75           | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 |  |
| 0.70  | 0.50 | 0.20  | 0.98           | 0.83 | 0.71 | 0.62 | 0.50 | 0.42 | 0.36 | 0.28 | 0.23 |  |
|   | 0.30 |       | 0.81           | 0.71 | 0.62 | 0.55 | 0.45 | 0.38 | 0.33 | 0.26 | 0.22 |  |
|   | 0.20 |       | 0.70           | 0.62 | 0.55 | 0.49 | 0.41 | 0.35 | 0.31 | 0.25 | 0.21 |  |
| 0.50  | 0.50 | 0.20  | 0.94           | 0.80 | 0.68 | 0.59 | 0.47 | 0.43 | 0.34 | 0.26 | 0.21 |  |
|   | 0.30 |       | 0.79           | 0.69 | 0.60 | 0.53 | 0.43 | 0.37 | 0.32 | 0.25 | 0.21 |  |
|   | 0.20 |       | 0.69           | 0.61 | 0.53 | 0.48 | 0.40 | 0.34 | 0.30 | 0.24 | 0.20 |  |
| 0.30  | 0.50 | 0.20  | 0.91           | 0.76 | 0.65 | 0.56 | 0.45 | 0.38 | 0.32 | 0.25 | 0.20 |  |
|   | 0.30 |       | 0.77           | 0.67 | 0.58 | 0.51 | 0.42 | 0.35 | 0.30 | 0.24 | 0.20 |  |
|   | 0.20 |       | 0.68           | 0.60 | 0.52 | 0.47 | 0.39 | 0.33 | 0.29 | 0.23 | 0.19 |  |
| 0.00  | 0.00 | 0.00  | 0.57           | 0.50 | 0.43 | 0.38 | 0.31 | 0.26 | 0.23 | 0.18 | 0.15 |  |
| <p>Rating:2W 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 (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Utilisation Factor Table(Ceiling cavity)

| Utilisation Factors UF(C)   |      |       | SHR NOM = 1.50 |      |      |      |      |      |      |      |      |  |
|---|------|-------|----------------|------|------|------|------|------|------|------|------|--|
| Room Reflectance  |      |       | Room Index(RI) |      |      |      |      |      |      |      |      |  |
| Ceiling   | Wall | Floor | 0.75           | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 |  |
| 0.70  | 0.50 | 0.20  | 0.18           | 0.20 | 0.21 | 0.21 | 0.22 | 0.23 | 0.23 | 0.24 | 0.24 |  |
|   | 0.30 |       | 0.12           | 0.13 | 0.15 | 0.16 | 0.17 | 0.18 | 0.19 | 0.21 | 0.21 |  |
|   | 0.20 |       | 0.07           | 0.08 | 0.10 | 0.11 | 0.13 | 0.15 | 0.16 | 0.18 | 0.19 |  |
| 0.50  | 0.50 | 0.20  | 0.18           | 0.19 | 0.20 | 0.20 | 0.21 | 0.22 | 0.22 | 0.23 | 0.23 |  |
|   | 0.30 |       | 0.11           | 0.13 | 0.14 | 0.15 | 0.17 | 0.18 | 0.19 | 0.20 | 0.21 |  |
|   | 0.20 |       | 0.07           | 0.08 | 0.10 | 0.11 | 0.13 | 0.14 | 0.15 | 0.17 | 0.18 |  |
| 0.30  | 0.50 | 0.20  | 0.17           | 0.18 | 0.19 | 0.20 | 0.21 | 0.21 | 0.21 | 0.22 | 0.22 |  |
|   | 0.30 |       | 0.11           | 0.13 | 0.14 | 0.15 | 0.16 | 0.17 | 0.18 | 0.19 | 0.20 |  |
|   | 0.20 |       | 0.07           | 0.08 | 0.10 | 0.11 | 0.13 | 0.14 | 0.15 | 0.17 | 0.18 |  |
| 0.00  | 0.00 | 0.00  | 0.02           | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |  |
| <p>Rating:2W 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 (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Zonal Lumen

| Gamma<br>[°] | I <sub>mean</sub><br>[cd] | Zonal Flux<br>[lm] | Sum Zonal Flux<br>[lm] | Rel Zonal Flux<br>[%] | Sum Rel Zonal Flux<br>[%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 0.0-1.0      | 79.9                      | 0.1                | 0.1                    | 0.03                  | 0.03                      |
| 1.0-2.0      | 79.6                      | 0.2                | 0.3                    | 0.09                  | 0.12                      |
| 2.0-3.0      | 78.7                      | 0.4                | 0.7                    | 0.15                  | 0.27                      |
| 3.0-4.0      | 78.8                      | 0.5                | 1.2                    | 0.21                  | 0.48                      |
| 4.0-5.0      | 77.7                      | 0.7                | 1.9                    | 0.26                  | 0.74                      |
| 5.0-6.0      | 77.0                      | 0.8                | 2.7                    | 0.32                  | 1.06                      |
| 6.0-7.0      | 77.4                      | 1.0                | 3.6                    | 0.38                  | 1.44                      |
| 7.0-8.0      | 76.6                      | 1.1                | 4.7                    | 0.43                  | 1.87                      |
| 8.0-9.0      | 75.9                      | 1.2                | 6.0                    | 0.48                  | 2.35                      |
| 9.0-10.0     | 76.5                      | 1.4                | 7.4                    | 0.55                  | 2.90                      |
| 10.0-11.0    | 77.3                      | 1.5                | 8.9                    | 0.61                  | 3.51                      |
| 11.0-12.0    | 77.7                      | 1.7                | 10.6                   | 0.67                  | 4.18                      |
| 12.0-13.0    | 78.2                      | 1.9                | 12.5                   | 0.73                  | 4.91                      |
| 13.0-14.0    | 78.2                      | 2.0                | 14.5                   | 0.79                  | 5.70                      |
| 14.0-15.0    | 78.5                      | 2.2                | 16.6                   | 0.85                  | 6.54                      |
| 15.0-16.0    | 78.6                      | 2.3                | 18.9                   | 0.91                  | 7.45                      |
| 16.0-17.0    | 78.4                      | 2.4                | 21.4                   | 0.96                  | 8.41                      |
| 17.0-18.0    | 78.0                      | 2.6                | 23.9                   | 1.01                  | 9.43                      |
| 18.0-19.0    | 77.3                      | 2.7                | 26.6                   | 1.06                  | 10.49                     |
| 19.0-20.0    | 77.1                      | 2.8                | 29.4                   | 1.11                  | 11.60                     |
| 20.0-21.0    | 76.9                      | 3.0                | 32.4                   | 1.16                  | 12.76                     |
| 21.0-22.0    | 76.1                      | 3.1                | 35.5                   | 1.20                  | 13.96                     |
| 22.0-23.0    | 75.2                      | 3.2                | 38.6                   | 1.24                  | 15.21                     |
| 23.0-24.0    | 75.0                      | 3.3                | 41.9                   | 1.29                  | 16.50                     |
| 24.0-25.0    | 74.5                      | 3.4                | 45.3                   | 1.33                  | 17.83                     |
| 25.0-26.0    | 73.9                      | 3.5                | 48.8                   | 1.37                  | 19.21                     |
| 26.0-27.0    | 73.6                      | 3.6                | 52.4                   | 1.42                  | 20.63                     |
| 27.0-28.0    | 72.7                      | 3.7                | 56.0                   | 1.45                  | 22.08                     |
| 28.0-29.0    | 72.0                      | 3.8                | 59.8                   | 1.48                  | 23.56                     |
| 29.0-30.0    | 71.6                      | 3.9                | 63.7                   | 1.52                  | 25.08                     |
| 30.0-31.0    | 71.1                      | 4.0                | 67.6                   | 1.56                  | 26.64                     |
| 31.0-32.0    | 70.4                      | 4.0                | 71.7                   | 1.59                  | 28.23                     |
| 32.0-33.0    | 69.4                      | 4.1                | 75.8                   | 1.61                  | 29.84                     |
| 33.0-34.0    | 68.4                      | 4.1                | 79.9                   | 1.63                  | 31.47                     |
| 34.0-35.0    | 67.6                      | 4.2                | 84.1                   | 1.65                  | 33.12                     |
| 35.0-36.0    | 66.6                      | 4.2                | 88.3                   | 1.67                  | 34.79                     |

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

Gamma Plane (°):0.0-180.0:1.0  
 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>[%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 36.0-37.0    | 65.2                      | 4.2                | 92.6                   | 1.67                  | 36.47                     |
| 37.0-38.0    | 64.3                      | 4.3                | 96.9                   | 1.69                  | 38.16                     |
| 38.0-39.0    | 63.8                      | 4.4                | 101.2                  | 1.71                  | 39.87                     |
| 39.0-40.0    | 62.5                      | 4.4                | 105.6                  | 1.72                  | 41.59                     |
| 40.0-41.0    | 61.4                      | 4.4                | 110.0                  | 1.72                  | 43.32                     |
| 41.0-42.0    | 60.9                      | 4.4                | 114.4                  | 1.74                  | 45.06                     |
| 42.0-43.0    | 60.2                      | 4.5                | 118.9                  | 1.76                  | 46.82                     |
| 43.0-44.0    | 59.3                      | 4.5                | 123.3                  | 1.76                  | 48.58                     |
| 44.0-45.0    | 58.1                      | 4.5                | 127.8                  | 1.76                  | 50.34                     |
| 45.0-46.0    | 56.7                      | 4.4                | 132.2                  | 1.75                  | 52.08                     |
| 46.0-47.0    | 55.5                      | 4.4                | 136.6                  | 1.74                  | 53.82                     |
| 47.0-48.0    | 53.9                      | 4.4                | 141.0                  | 1.72                  | 55.54                     |
| 48.0-49.0    | 53.4                      | 4.4                | 145.4                  | 1.73                  | 57.26                     |
| 49.0-50.0    | 53.4                      | 4.5                | 149.8                  | 1.75                  | 59.02                     |
| 50.0-51.0    | 52.6                      | 4.4                | 154.3                  | 1.75                  | 60.77                     |
| 51.0-52.0    | 52.3                      | 4.5                | 158.8                  | 1.77                  | 62.54                     |
| 52.0-53.0    | 50.7                      | 4.4                | 163.2                  | 1.74                  | 64.27                     |
| 53.0-54.0    | 48.3                      | 4.3                | 167.4                  | 1.68                  | 65.95                     |
| 54.0-55.0    | 46.4                      | 4.1                | 171.6                  | 1.63                  | 67.58                     |
| 55.0-56.0    | 43.9                      | 4.0                | 175.5                  | 1.56                  | 69.15                     |
| 56.0-57.0    | 41.5                      | 3.8                | 179.3                  | 1.49                  | 70.64                     |
| 57.0-58.0    | 38.6                      | 3.6                | 182.9                  | 1.40                  | 72.05                     |
| 58.0-59.0    | 36.2                      | 3.4                | 186.3                  | 1.34                  | 73.38                     |
| 59.0-60.0    | 34.4                      | 3.3                | 189.5                  | 1.28                  | 74.66                     |
| 60.0-61.0    | 33.2                      | 3.2                | 192.7                  | 1.25                  | 75.91                     |
| 61.0-62.0    | 32.6                      | 3.1                | 195.9                  | 1.24                  | 77.15                     |
| 62.0-63.0    | 32.7                      | 3.2                | 199.0                  | 1.25                  | 78.40                     |
| 63.0-64.0    | 32.7                      | 3.2                | 202.3                  | 1.26                  | 79.67                     |
| 64.0-65.0    | 32.1                      | 3.2                | 205.4                  | 1.25                  | 80.92                     |
| 65.0-66.0    | 32.1                      | 3.2                | 208.6                  | 1.26                  | 82.18                     |
| 66.0-67.0    | 31.4                      | 3.2                | 211.8                  | 1.24                  | 83.43                     |
| 67.0-68.0    | 29.7                      | 3.0                | 214.8                  | 1.18                  | 84.61                     |
| 68.0-69.0    | 29.1                      | 3.0                | 217.8                  | 1.17                  | 85.78                     |
| 69.0-70.0    | 29.1                      | 3.0                | 220.8                  | 1.18                  | 86.96                     |
| 70.0-71.0    | 27.9                      | 2.9                | 223.7                  | 1.14                  | 88.09                     |
| 71.0-72.0    | 26.2                      | 2.7                | 226.4                  | 1.07                  | 89.17                     |

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

Gamma Plane (°):0.0-180.0:1.0  
 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>[%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 72.0-73.0    | 23.7                      | 2.5                | 228.9                  | 0.98                  | 90.14                     |
| 73.0-74.0    | 21.2                      | 2.2                | 231.1                  | 0.88                  | 91.02                     |
| 74.0-75.0    | 20.5                      | 2.2                | 233.3                  | 0.85                  | 91.88                     |
| 75.0-76.0    | 19.4                      | 2.1                | 235.3                  | 0.81                  | 92.69                     |
| 76.0-77.0    | 17.3                      | 1.8                | 237.2                  | 0.72                  | 93.41                     |
| 77.0-78.0    | 15.4                      | 1.7                | 238.8                  | 0.65                  | 94.06                     |
| 78.0-79.0    | 14.2                      | 1.5                | 240.3                  | 0.60                  | 94.66                     |
| 79.0-80.0    | 12.6                      | 1.4                | 241.7                  | 0.54                  | 95.20                     |
| 80.0-81.0    | 11.2                      | 1.2                | 242.9                  | 0.48                  | 95.68                     |
| 81.0-82.0    | 10.3                      | 1.1                | 244.0                  | 0.44                  | 96.12                     |
| 82.0-83.0    | 8.9                       | 1.0                | 245.0                  | 0.38                  | 96.50                     |
| 83.0-84.0    | 7.1                       | 0.8                | 245.8                  | 0.31                  | 96.80                     |
| 84.0-85.0    | 6.0                       | 0.7                | 246.4                  | 0.26                  | 97.06                     |
| 85.0-86.0    | 4.9                       | 0.5                | 246.9                  | 0.21                  | 97.27                     |
| 86.0-87.0    | 3.6                       | 0.4                | 247.3                  | 0.15                  | 97.42                     |
| 87.0-88.0    | 3.0                       | 0.3                | 247.7                  | 0.13                  | 97.55                     |
| 88.0-89.0    | 2.7                       | 0.3                | 248.0                  | 0.12                  | 97.67                     |
| 89.0-90.0    | 2.5                       | 0.3                | 248.2                  | 0.11                  | 97.78                     |
| 90.0-91.0    | 2.1                       | 0.2                | 248.5                  | 0.09                  | 97.87                     |
| 91.0-92.0    | 1.8                       | 0.2                | 248.7                  | 0.08                  | 97.94                     |
| 92.0-93.0    | 2.2                       | 0.2                | 248.9                  | 0.09                  | 98.04                     |
| 93.0-94.0    | 2.2                       | 0.2                | 249.1                  | 0.10                  | 98.13                     |
| 94.0-95.0    | 1.8                       | 0.2                | 249.3                  | 0.08                  | 98.21                     |
| 95.0-96.0    | 0.9                       | 0.1                | 249.4                  | 0.04                  | 98.25                     |
| 96.0-97.0    | 0.7                       | 0.1                | 249.5                  | 0.03                  | 98.28                     |
| 97.0-98.0    | 1.0                       | 0.1                | 249.6                  | 0.04                  | 98.33                     |
| 98.0-99.0    | 1.2                       | 0.1                | 249.8                  | 0.05                  | 98.38                     |
| 99.0-100.0   | 0.9                       | 0.1                | 249.9                  | 0.04                  | 98.42                     |
| 100.0-101.0  | 1.1                       | 0.1                | 250.0                  | 0.04                  | 98.46                     |
| 101.0-102.0  | 1.2                       | 0.1                | 250.1                  | 0.05                  | 98.51                     |
| 102.0-103.0  | 1.1                       | 0.1                | 250.2                  | 0.04                  | 98.55                     |
| 103.0-104.0  | 1.0                       | 0.1                | 250.3                  | 0.04                  | 98.60                     |
| 104.0-105.0  | 0.8                       | 0.1                | 250.4                  | 0.03                  | 98.63                     |
| 105.0-106.0  | 0.7                       | 0.1                | 250.5                  | 0.03                  | 98.66                     |
| 106.0-107.0  | 0.5                       | 0.1                | 250.5                  | 0.02                  | 98.68                     |
| 107.0-108.0  | 0.3                       | 0.0                | 250.6                  | 0.01                  | 98.69                     |

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

### Zonal Lumen (Continue 3)

| Gamma<br>[°] | I <sub>mean</sub><br>[cd] | Zonal Flux<br>[lm] | Sum Zonal Flux<br>[lm] | Rel Zonal Flux<br>[%] | Sum Rel Zonal Flux<br>[%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 108.0-109.0  | 0.6                       | 0.1                | 250.6                  | 0.03                  | 98.72                     |
| 109.0-110.0  | 1.2                       | 0.1                | 250.7                  | 0.05                  | 98.76                     |
| 110.0-111.0  | 0.9                       | 0.1                | 250.8                  | 0.04                  | 98.80                     |
| 111.0-112.0  | 0.6                       | 0.1                | 250.9                  | 0.02                  | 98.82                     |
| 112.0-113.0  | 0.3                       | 0.0                | 250.9                  | 0.01                  | 98.83                     |
| 113.0-114.0  | 0.7                       | 0.1                | 251.0                  | 0.03                  | 98.86                     |
| 114.0-115.0  | 1.1                       | 0.1                | 251.1                  | 0.04                  | 98.91                     |
| 115.0-116.0  | 0.9                       | 0.1                | 251.2                  | 0.04                  | 98.94                     |
| 116.0-117.0  | 0.9                       | 0.1                | 251.3                  | 0.03                  | 98.98                     |
| 117.0-118.0  | 0.8                       | 0.1                | 251.4                  | 0.03                  | 99.01                     |
| 118.0-119.0  | 0.7                       | 0.1                | 251.4                  | 0.03                  | 99.04                     |
| 119.0-120.0  | 1.0                       | 0.1                | 251.5                  | 0.04                  | 99.08                     |
| 120.0-121.0  | 1.1                       | 0.1                | 251.6                  | 0.04                  | 99.12                     |
| 121.0-122.0  | 1.1                       | 0.1                | 251.7                  | 0.04                  | 99.16                     |
| 122.0-123.0  | 1.1                       | 0.1                | 251.8                  | 0.04                  | 99.20                     |
| 123.0-124.0  | 0.7                       | 0.1                | 251.9                  | 0.03                  | 99.22                     |
| 124.0-125.0  | 0.6                       | 0.1                | 252.0                  | 0.02                  | 99.24                     |
| 125.0-126.0  | 0.6                       | 0.1                | 252.0                  | 0.02                  | 99.26                     |
| 126.0-127.0  | 0.8                       | 0.1                | 252.1                  | 0.03                  | 99.29                     |
| 127.0-128.0  | 1.0                       | 0.1                | 252.2                  | 0.03                  | 99.33                     |
| 128.0-129.0  | 1.1                       | 0.1                | 252.3                  | 0.04                  | 99.37                     |
| 129.0-130.0  | 0.8                       | 0.1                | 252.3                  | 0.03                  | 99.39                     |
| 130.0-131.0  | 0.3                       | 0.0                | 252.4                  | 0.01                  | 99.40                     |
| 131.0-132.0  | 0.5                       | 0.0                | 252.4                  | 0.02                  | 99.42                     |
| 132.0-133.0  | 0.7                       | 0.1                | 252.5                  | 0.02                  | 99.44                     |
| 133.0-134.0  | 0.4                       | 0.0                | 252.5                  | 0.01                  | 99.46                     |
| 134.0-135.0  | 0.3                       | 0.0                | 252.5                  | 0.01                  | 99.46                     |
| 135.0-136.0  | 0.5                       | 0.0                | 252.6                  | 0.02                  | 99.48                     |
| 136.0-137.0  | 0.8                       | 0.1                | 252.6                  | 0.02                  | 99.50                     |
| 137.0-138.0  | 0.6                       | 0.0                | 252.7                  | 0.02                  | 99.52                     |
| 138.0-139.0  | 0.7                       | 0.0                | 252.7                  | 0.02                  | 99.54                     |
| 139.0-140.0  | 0.6                       | 0.0                | 252.8                  | 0.02                  | 99.56                     |
| 140.0-141.0  | 0.5                       | 0.0                | 252.8                  | 0.01                  | 99.57                     |
| 141.0-142.0  | 0.4                       | 0.0                | 252.8                  | 0.01                  | 99.58                     |
| 142.0-143.0  | 0.3                       | 0.0                | 252.8                  | 0.01                  | 99.59                     |
| 143.0-144.0  | 0.6                       | 0.0                | 252.9                  | 0.02                  | 99.60                     |

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

Gamma Plane (°):0.0-180.0:1.0  
 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>[%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 144.0-145.0  | 1.0                       | 0.1                | 252.9                  | 0.02                  | 99.63                     |
| 145.0-146.0  | 0.7                       | 0.0                | 253.0                  | 0.02                  | 99.64                     |
| 146.0-147.0  | 0.7                       | 0.0                | 253.0                  | 0.02                  | 99.66                     |
| 147.0-148.0  | 0.9                       | 0.1                | 253.1                  | 0.02                  | 99.68                     |
| 148.0-149.0  | 0.6                       | 0.0                | 253.1                  | 0.01                  | 99.70                     |
| 149.0-150.0  | 0.6                       | 0.0                | 253.1                  | 0.01                  | 99.71                     |
| 150.0-151.0  | 0.6                       | 0.0                | 253.2                  | 0.01                  | 99.72                     |
| 151.0-152.0  | 0.5                       | 0.0                | 253.2                  | 0.01                  | 99.73                     |
| 152.0-153.0  | 0.9                       | 0.0                | 253.2                  | 0.02                  | 99.75                     |
| 153.0-154.0  | 1.0                       | 0.0                | 253.3                  | 0.02                  | 99.77                     |
| 154.0-155.0  | 0.8                       | 0.0                | 253.3                  | 0.01                  | 99.78                     |
| 155.0-156.0  | 1.1                       | 0.0                | 253.4                  | 0.02                  | 99.80                     |
| 156.0-157.0  | 1.4                       | 0.1                | 253.4                  | 0.02                  | 99.83                     |
| 157.0-158.0  | 1.2                       | 0.1                | 253.5                  | 0.02                  | 99.85                     |
| 158.0-159.0  | 0.8                       | 0.0                | 253.5                  | 0.01                  | 99.86                     |
| 159.0-160.0  | 0.6                       | 0.0                | 253.5                  | 0.01                  | 99.87                     |
| 160.0-161.0  | 0.9                       | 0.0                | 253.6                  | 0.01                  | 99.88                     |
| 161.0-162.0  | 1.3                       | 0.0                | 253.6                  | 0.02                  | 99.90                     |
| 162.0-163.0  | 0.9                       | 0.0                | 253.7                  | 0.01                  | 99.91                     |
| 163.0-164.0  | 0.4                       | 0.0                | 253.7                  | 0.01                  | 99.92                     |
| 164.0-165.0  | 0.5                       | 0.0                | 253.7                  | 0.01                  | 99.92                     |
| 165.0-166.0  | 0.9                       | 0.0                | 253.7                  | 0.01                  | 99.93                     |
| 166.0-167.0  | 0.9                       | 0.0                | 253.7                  | 0.01                  | 99.94                     |
| 167.0-168.0  | 0.8                       | 0.0                | 253.8                  | 0.01                  | 99.95                     |
| 168.0-169.0  | 0.9                       | 0.0                | 253.8                  | 0.01                  | 99.96                     |
| 169.0-170.0  | 1.1                       | 0.0                | 253.8                  | 0.01                  | 99.97                     |
| 170.0-171.0  | 1.1                       | 0.0                | 253.8                  | 0.01                  | 99.97                     |
| 171.0-172.0  | 0.9                       | 0.0                | 253.8                  | 0.01                  | 99.98                     |
| 172.0-173.0  | 0.9                       | 0.0                | 253.8                  | 0.01                  | 99.98                     |
| 173.0-174.0  | 0.8                       | 0.0                | 253.9                  | 0.00                  | 99.99                     |
| 174.0-175.0  | 0.7                       | 0.0                | 253.9                  | 0.00                  | 99.99                     |
| 175.0-176.0  | 1.0                       | 0.0                | 253.9                  | 0.00                  | 99.99                     |
| 176.0-177.0  | 0.9                       | 0.0                | 253.9                  | 0.00                  | 100.00                    |
| 177.0-178.0  | 0.7                       | 0.0                | 253.9                  | 0.00                  | 100.00                    |
| 178.0-179.0  | 0.8                       | 0.0                | 253.9                  | 0.00                  | 100.00                    |
| 179.0-180.0  | 0.8                       | 0.0                | 253.9                  | 0.00                  | 100.00                    |

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

Gamma Plane (°):0.0-180.0:1.0  
 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  | 81.5 | 78.8  | 80.8  | 76.5   | 81.5   | 78.8   | 80.8   | 76.5   | 81.5   |  |
| G1.0  | 82.5 | 83.3  | 81.3  | 77.6   | 79.9   | 80.3   | 81.9   | 77.2   | 82.5   |  |
| G2.0  | 83.1 | 78.1  | 80.1  | 76.1   | 74.8   | 75.5   | 81.5   | 80.7   | 83.1   |  |
| G3.0  | 83.3 | 81.8  | 75.4  | 76.3   | 77.3   | 74.2   | 80.0   | 81.2   | 83.3   |  |
| G4.0  | 78.5 | 82.0  | 79.0  | 76.9   | 75.9   | 76.8   | 79.8   | 81.7   | 78.5   |  |
| G5.0  | 81.6 | 82.1  | 72.9  | 77.5   | 70.9   | 72.1   | 76.0   | 78.9   | 81.6   |  |
| G6.0  | 80.5 | 78.2  | 78.0  | 78.6   | 74.4   | 75.3   | 77.2   | 77.9   | 80.5   |  |
| G7.0  | 79.6 | 77.6  | 73.0  | 80.3   | 74.5   | 75.0   | 82.1   | 76.3   | 79.6   |  |
| G8.0  | 74.6 | 76.8  | 71.3  | 79.8   | 74.8   | 71.5   | 79.2   | 80.0   | 74.6   |  |
| G9.0  | 77.7 | 75.6  | 71.7  | 80.9   | 72.7   | 70.7   | 81.5   | 75.4   | 77.7   |  |
| G10.0 | 73.1 | 74.9  | 71.7  | 85.3   | 77.3   | 74.3   | 85.5   | 75.4   | 73.1   |  |
| G11.0 | 73.5 | 74.8  | 71.9  | 83.6   | 78.7   | 71.6   | 84.5   | 79.9   | 73.5   |  |
| G12.0 | 79.0 | 75.1  | 72.0  | 85.2   | 75.9   | 75.3   | 82.1   | 79.8   | 79.0   |  |
| G13.0 | 74.6 | 78.6  | 72.6  | 84.2   | 80.7   | 73.2   | 82.4   | 79.8   | 74.6   |  |
| G14.0 | 78.7 | 75.7  | 77.6  | 79.3   | 79.5   | 74.1   | 84.8   | 76.0   | 78.7   |  |
| G15.0 | 76.2 | 79.0  | 78.8  | 80.7   | 76.8   | 74.7   | 85.2   | 79.6   | 76.2   |  |
| G16.0 | 79.8 | 76.9  | 79.3  | 75.6   | 76.6   | 77.4   | 84.6   | 76.8   | 79.8   |  |
| G17.0 | 80.0 | 78.0  | 76.4  | 79.0   | 76.3   | 76.3   | 82.0   | 79.5   | 80.0   |  |
| G18.0 | 80.7 | 81.1  | 76.0  | 73.7   | 77.7   | 75.6   | 79.3   | 75.8   | 80.7   |  |
| G19.0 | 82.7 | 79.4  | 79.1  | 73.2   | 72.8   | 74.0   | 78.9   | 76.6   | 82.7   |  |
| G20.0 | 83.4 | 79.9  | 74.3  | 78.6   | 71.0   | 75.6   | 78.3   | 75.0   | 83.4   |  |
| G21.0 | 79.8 | 81.6  | 77.3  | 78.3   | 68.8   | 71.8   | 79.2   | 77.3   | 79.8   |  |
| G22.0 | 81.0 | 80.4  | 72.3  | 73.4   | 69.8   | 73.5   | 78.7   | 74.3   | 81.0   |  |
| G23.0 | 81.7 | 78.7  | 71.9  | 73.5   | 68.1   | 72.6   | 78.4   | 74.2   | 81.7   |  |
| G24.0 | 79.3 | 78.1  | 75.4  | 77.7   | 67.2   | 71.6   | 78.2   | 73.9   | 79.3   |  |
| G25.0 | 80.1 | 77.7  | 72.2  | 74.3   | 63.8   | 70.9   | 77.6   | 74.3   | 80.1   |  |
| G26.0 | 76.8 | 75.8  | 75.8  | 75.3   | 66.5   | 70.4   | 74.7   | 76.1   | 76.8   |  |
| G27.0 | 76.4 | 75.8  | 75.2  | 74.7   | 66.0   | 68.4   | 74.1   | 75.9   | 76.4   |  |
| G28.0 | 75.9 | 73.2  | 71.0  | 72.9   | 64.1   | 70.2   | 73.9   | 75.4   | 75.9   |  |
| G29.0 | 75.7 | 73.4  | 70.7  | 71.2   | 67.6   | 70.1   | 72.0   | 74.8   | 75.7   |  |
| G30.0 | 74.6 | 70.6  | 72.5  | 71.3   | 66.7   | 70.1   | 71.2   | 73.0   | 74.6   |  |
| G31.0 | 73.4 | 69.8  | 73.3  | 69.7   | 66.7   | 69.7   | 70.7   | 73.7   | 73.4   |  |
| G32.0 | 72.7 | 71.4  | 68.6  | 67.9   | 67.2   | 67.6   | 71.4   | 71.9   | 72.7   |  |
| G33.0 | 71.7 | 70.6  | 67.3  | 66.7   | 63.3   | 68.3   | 71.7   | 72.6   | 71.7   |  |
| G34.0 | 71.1 | 66.6  | 67.9  | 66.7   | 62.5   | 68.5   | 67.0   | 72.0   | 71.1   |  |
| G35.0 | 70.3 | 68.8  | 67.2  | 65.0   | 60.4   | 69.0   | 68.4   | 69.7   | 70.3   |  |
| G36.0 | 69.4 | 64.7  | 68.7  | 61.4   | 58.5   | 68.1   | 64.6   | 71.1   | 69.4   |  |

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

Gamma Plane (°):0.0-180.0:1.0  
 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 |  |
|-------|------|-------|-------|--------|--------|--------|--------|--------|--------|--|
| G37.0 | 68.3 | 63.8  | 63.7  | 60.5   | 60.2   | 67.3   | 63.5   | 68.6   | 68.3   |  |
| G38.0 | 67.3 | 66.5  | 64.0  | 61.8   | 58.3   | 64.4   | 65.1   | 66.0   | 67.3   |  |
| G39.0 | 65.0 | 65.6  | 63.3  | 61.5   | 54.8   | 65.7   | 63.7   | 67.2   | 65.0   |  |
| G40.0 | 64.1 | 64.6  | 62.6  | 59.6   | 54.2   | 65.3   | 58.8   | 64.2   | 64.1   |  |
| G41.0 | 64.2 | 63.8  | 62.2  | 59.9   | 51.9   | 62.4   | 61.1   | 64.2   | 64.2   |  |
| G42.0 | 62.8 | 60.5  | 59.3  | 64.1   | 52.8   | 61.8   | 61.4   | 62.6   | 62.8   |  |
| G43.0 | 60.1 | 59.1  | 58.3  | 65.3   | 54.1   | 63.3   | 56.0   | 61.0   | 60.1   |  |
| G44.0 | 57.9 | 56.4  | 55.2  | 64.4   | 59.7   | 60.0   | 58.9   | 59.2   | 57.9   |  |
| G45.0 | 53.8 | 54.9  | 56.0  | 62.9   | 54.9   | 61.5   | 57.8   | 55.3   | 53.8   |  |
| G46.0 | 52.7 | 53.5  | 55.2  | 59.6   | 59.3   | 57.6   | 57.5   | 54.1   | 52.7   |  |
| G47.0 | 50.1 | 53.5  | 54.2  | 58.0   | 54.8   | 56.0   | 57.7   | 53.4   | 50.1   |  |
| G48.0 | 49.3 | 54.5  | 50.1  | 55.9   | 54.3   | 53.7   | 52.4   | 54.1   | 49.3   |  |
| G49.0 | 50.4 | 52.8  | 48.9  | 55.5   | 57.6   | 55.0   | 55.7   | 54.7   | 50.4   |  |
| G50.0 | 52.4 | 47.9  | 52.7  | 51.1   | 55.2   | 53.8   | 53.6   | 57.5   | 52.4   |  |
| G51.0 | 50.7 | 52.1  | 51.0  | 48.3   | 54.8   | 49.5   | 51.8   | 58.5   | 50.7   |  |
| G52.0 | 56.1 | 53.1  | 44.7  | 47.3   | 55.8   | 53.1   | 50.2   | 59.7   | 56.1   |  |
| G53.0 | 56.3 | 48.1  | 41.8  | 41.3   | 49.9   | 49.1   | 44.6   | 59.4   | 56.3   |  |
| G54.0 | 57.3 | 47.5  | 36.7  | 35.6   | 49.8   | 50.6   | 48.8   | 56.8   | 57.3   |  |
| G55.0 | 52.6 | 40.3  | 35.1  | 30.4   | 45.9   | 49.1   | 47.5   | 58.5   | 52.6   |  |
| G56.0 | 52.0 | 34.4  | 28.6  | 39.6   | 39.5   | 42.1   | 47.3   | 59.8   | 52.0   |  |
| G57.0 | 44.2 | 24.9  | 36.2  | 40.0   | 31.7   | 40.7   | 44.9   | 57.5   | 44.2   |  |
| G58.0 | 35.1 | 22.2  | 36.6  | 42.0   | 35.0   | 34.4   | 37.1   | 54.6   | 35.1   |  |
| G59.0 | 27.7 | 27.0  | 36.5  | 40.6   | 42.2   | 29.7   | 31.1   | 48.3   | 27.7   |  |
| G60.0 | 29.7 | 31.3  | 37.8  | 33.1   | 41.2   | 26.6   | 29.1   | 38.7   | 29.7   |  |
| G61.0 | 37.5 | 31.8  | 36.0  | 28.5   | 42.3   | 29.4   | 29.2   | 28.7   | 37.5   |  |
| G62.0 | 39.6 | 31.5  | 27.8  | 30.9   | 40.5   | 31.1   | 32.0   | 24.8   | 39.6   |  |
| G63.0 | 41.7 | 28.1  | 30.3  | 33.4   | 34.6   | 36.1   | 29.4   | 31.8   | 41.7   |  |
| G64.0 | 36.2 | 22.2  | 29.6  | 35.9   | 30.6   | 34.7   | 30.0   | 38.8   | 36.2   |  |
| G65.0 | 27.3 | 22.4  | 33.4  | 33.8   | 32.3   | 33.0   | 32.4   | 41.5   | 27.3   |  |
| G66.0 | 31.5 | 23.8  | 32.8  | 32.6   | 34.5   | 32.7   | 30.8   | 39.4   | 31.5   |  |
| G67.0 | 33.8 | 25.4  | 29.4  | 31.6   | 34.6   | 30.5   | 24.3   | 34.5   | 33.8   |  |
| G68.0 | 31.3 | 25.1  | 28.9  | 28.4   | 34.0   | 32.6   | 21.8   | 28.8   | 31.3   |  |
| G69.0 | 35.6 | 24.2  | 26.6  | 27.8   | 32.3   | 36.6   | 23.0   | 29.3   | 35.6   |  |
| G70.0 | 34.5 | 23.3  | 25.7  | 28.0   | 30.6   | 34.3   | 22.3   | 31.7   | 34.5   |  |
| G71.0 | 30.0 | 22.0  | 20.5  | 24.1   | 30.3   | 33.3   | 21.2   | 34.5   | 30.0   |  |
| G72.0 | 26.9 | 22.3  | 14.6  | 24.7   | 29.1   | 32.4   | 19.0   | 34.3   | 26.9   |  |
| G73.0 | 27.1 | 17.5  | 12.2  | 21.6   | 25.6   | 28.1   | 11.0   | 32.3   | 27.1   |  |

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

Gamma Plane (°):0.0-180.0:1.0  
 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 |  |
|--------|------|-------|-------|--------|--------|--------|--------|--------|--------|--|
| G74.0  | 23.5 | 18.5  | 12.3  | 19.0   | 23.7   | 26.6   | 11.3   | 29.5   | 23.5   |  |
| G75.0  | 25.5 | 17.9  | 11.3  | 20.3   | 24.7   | 26.8   | 9.0    | 28.2   | 25.5   |  |
| G76.0  | 23.7 | 16.1  | 12.1  | 18.0   | 20.2   | 24.5   | 4.1    | 28.1   | 23.7   |  |
| G77.0  | 21.7 | 11.8  | 11.4  | 12.7   | 21.0   | 22.6   | 2.0    | 26.2   | 21.7   |  |
| G78.0  | 19.1 | 12.3  | 10.6  | 9.7    | 15.4   | 20.1   | 5.8    | 24.5   | 19.1   |  |
| G79.0  | 18.3 | 12.6  | 7.0   | 7.9    | 14.3   | 18.2   | 7.8    | 23.0   | 18.3   |  |
| G80.0  | 14.9 | 7.2   | 8.9   | 4.1    | 11.6   | 17.3   | 7.7    | 21.3   | 14.9   |  |
| G81.0  | 12.5 | 9.5   | 6.9   | 6.1    | 7.9    | 16.0   | 8.4    | 19.1   | 12.5   |  |
| G82.0  | 11.9 | 9.6   | 5.7   | 5.0    | 5.1    | 14.3   | 8.9    | 17.8   | 11.9   |  |
| G83.0  | 11.3 | 6.1   | 1.9   | 0.0    | 7.2    | 12.3   | 8.7    | 16.2   | 11.3   |  |
| G84.0  | 8.1  | 3.8   | 1.0   | 3.1    | 5.2    | 11.1   | 5.1    | 13.1   | 8.1    |  |
| G85.0  | 5.2  | 6.3   | 4.4   | 0.0    | 3.6    | 7.2    | 5.4    | 12.9   | 5.2    |  |
| G86.0  | 3.9  | 5.3   | 0.5   | 4.5    | 0.0    | 8.0    | 1.7    | 8.8    | 3.9    |  |
| G87.0  | 2.7  | 0.0   | 4.0   | 2.8    | 0.0    | 2.4    | 3.2    | 9.3    | 2.7    |  |
| G88.0  | 4.1  | 0.2   | 0.1   | 2.5    | 3.0    | 1.3    | 2.4    | 9.7    | 4.1    |  |
| G89.0  | 0.6  | 0.0   | 3.6   | 4.0    | 2.9    | 2.1    | 2.1    | 4.5    | 0.6    |  |
| G90.0  | 3.8  | 0.0   | 0.0   | 3.8    | 2.6    | 4.4    | 0.6    | 5.3    | 3.8    |  |
| G91.0  | 0.0  | 2.5   | 2.1   | 0.0    | 0.0    | 0.1    | 3.4    | 4.6    | 0.0    |  |
| G92.0  | 3.8  | 2.4   | 3.5   | 3.4    | 0.0    | 1.2    | 0.9    | 1.4    | 3.8    |  |
| G93.0  | 0.0  | 0.0   | 3.6   | 3.2    | 0.0    | 0.7    | 4.4    | 6.0    | 0.0    |  |
| G94.0  | 0.0  | 3.7   | 0.0   | 0.0    | 1.4    | 3.3    | 4.2    | 4.9    | 0.0    |  |
| G95.0  | 3.5  | 2.1   | 0.0   | 0.0    | 1.2    | 0.0    | 0.3    | 4.0    | 3.5    |  |
| G96.0  | 0.0  | 1.9   | 0.0   | 0.0    | 0.0    | 0.0    | 1.7    | 0.3    | 0.0    |  |
| G97.0  | 3.3  | 0.0   | 0.0   | 0.6    | 0.0    | 0.4    | 0.1    | 3.6    | 3.3    |  |
| G98.0  | 3.3  | 0.0   | 0.0   | 1.0    | 0.0    | 2.2    | 1.9    | 0.0    | 3.3    |  |
| G99.0  | 3.1  | 1.9   | 0.0   | 0.0    | 0.0    | 0.0    | 1.9    | 3.6    | 3.1    |  |
| G100.0 | 0.0  | 1.8   | 0.0   | 0.6    | 0.0    | 0.0    | 2.3    | 0.0    | 0.0    |  |
| G101.0 | 3.0  | 3.1   | 1.6   | 0.0    | 0.0    | 0.6    | 2.1    | 2.0    | 3.0    |  |
| G102.0 | 0.3  | 3.3   | 0.0   | 0.0    | 0.0    | 0.7    | 1.9    | 0.0    | 0.3    |  |
| G103.0 | 2.7  | 0.0   | 1.5   | 1.0    | 0.1    | 0.0    | 2.0    | 3.6    | 2.7    |  |
| G104.0 | 2.5  | 0.0   | 0.0   | 1.5    | 0.3    | 0.0    | 0.8    | 0.0    | 2.5    |  |
| G105.0 | 2.5  | 0.0   | 0.0   | 0.0    | 0.0    | 0.4    | 1.1    | 2.9    | 2.5    |  |
| G106.0 | 1.0  | 0.0   | 2.8   | 0.0    | 0.3    | 0.1    | 0.4    | 0.0    | 1.0    |  |
| G107.0 | 0.0  | 0.0   | 0.0   | 0.0    | 0.5    | 0.0    | 0.4    | 2.8    | 0.0    |  |
| G108.0 | 0.2  | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.2    | 0.0    | 0.2    |  |
| G109.0 | 1.6  | 0.0   | 2.5   | 2.3    | 0.8    | 0.0    | 0.0    | 2.6    | 1.6    |  |
| G110.0 | 1.8  | 0.0   | 0.0   | 2.5    | 0.0    | 0.0    | 1.8    | 2.6    | 1.8    |  |

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

Gamma Plane (°):0.0-180.0:1.0  
 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 |  |
|--------|------|-------|-------|--------|--------|--------|--------|--------|--------|--|
| G111.0 | 0.0  | 0.0   | 0.0   | 0.0    | 1.0    | 0.3    | 1.9    | 2.4    | 0.0    |  |
| G112.0 | 0.6  | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 2.1    | 0.7    | 0.6    |  |
| G113.0 | 0.3  | 0.0   | 0.0   | 0.0    | 1.2    | 0.4    | 0.0    | 0.0    | 0.3    |  |
| G114.0 | 2.5  | 0.7   | 0.9   | 0.0    | 1.3    | 2.1    | 2.0    | 0.4    | 2.5    |  |
| G115.0 | 0.0  | 0.0   | 0.0   | 1.5    | 1.3    | 2.2    | 0.7    | 1.6    | 0.0    |  |
| G116.0 | 2.8  | 0.0   | 0.9   | 0.0    | 0.0    | 2.4    | 0.0    | 1.5    | 2.8    |  |
| G117.0 | 0.0  | 0.0   | 0.0   | 0.0    | 2.9    | 2.4    | 0.0    | 1.2    | 0.0    |  |
| G118.0 | 0.0  | 0.1   | 2.3   | 1.5    | 0.0    | 2.4    | 0.0    | 0.1    | 0.0    |  |
| G119.0 | 0.0  | 0.0   | 2.3   | 1.5    | 1.4    | 0.0    | 0.0    | 0.3    | 0.0    |  |
| G120.0 | 2.5  | 1.4   | 2.4   | 0.0    | 0.0    | 2.5    | 2.4    | 0.0    | 2.5    |  |
| G121.0 | 2.7  | 0.5   | 0.0   | 0.0    | 1.2    | 2.4    | 0.0    | 0.0    | 2.7    |  |
| G122.0 | 0.0  | 1.0   | 2.4   | 3.2    | 1.0    | 2.1    | 0.0    | 0.9    | 0.0    |  |
| G123.0 | 2.6  | 0.0   | 0.0   | 0.0    | 0.9    | 0.9    | 1.0    | 1.1    | 2.6    |  |
| G124.0 | 0.0  | 0.0   | 1.0   | 0.0    | 0.9    | 0.7    | 2.6    | 0.0    | 0.0    |  |
| G125.0 | 1.2  | 0.3   | 1.0   | 0.0    | 0.9    | 0.8    | 0.0    | 0.0    | 1.2    |  |
| G126.0 | 0.0  | 0.0   | 2.7   | 0.4    | 0.8    | 0.0    | 0.0    | 1.7    | 0.0    |  |
| G127.0 | 2.3  | 0.1   | 0.0   | 0.0    | 0.8    | 0.0    | 2.5    | 2.2    | 2.3    |  |
| G128.0 | 2.4  | 0.3   | 2.6   | 0.0    | 0.0    | 0.2    | 2.7    | 0.0    | 2.4    |  |
| G129.0 | 2.3  | 0.5   | 2.7   | 0.0    | 0.0    | 1.5    | 2.6    | 0.0    | 2.3    |  |
| G130.0 | 0.0  | 0.0   | 0.0   | 0.0    | 0.0    | 1.3    | 0.0    | 2.4    | 0.0    |  |
| G131.0 | 0.0  | 0.0   | 0.0   | 0.0    | 0.0    | 1.1    | 0.0    | 0.0    | 0.0    |  |
| G132.0 | 1.9  | 0.0   | 1.2   | 0.0    | 0.6    | 0.3    | 0.0    | 2.5    | 1.9    |  |
| G133.0 | 0.3  | 2.6   | 1.2   | 0.5    | 0.0    | 0.5    | 0.0    | 0.0    | 0.3    |  |
| G134.0 | 0.0  | 0.0   | 1.2   | 0.0    | 0.6    | 0.0    | 0.0    | 0.0    | 0.0    |  |
| G135.0 | 0.0  | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 2.3    | 0.0    | 0.0    |  |
| G136.0 | 0.3  | 2.8   | 0.0   | 0.0    | 0.5    | 0.1    | 0.0    | 2.7    | 0.3    |  |
| G137.0 | 0.6  | 2.8   | 0.0   | 0.0    | 0.0    | 0.0    | 2.1    | 0.0    | 0.6    |  |
| G138.0 | 0.8  | 0.0   | 0.0   | 0.0    | 0.5    | 0.0    | 2.2    | 0.0    | 0.8    |  |
| G139.0 | 0.9  | 0.0   | 2.6   | 0.0    | 0.0    | 1.7    | 2.1    | 0.0    | 0.9    |  |
| G140.0 | 0.1  | 0.0   | 0.0   | 2.1    | 0.0    | 0.0    | 0.0    | 0.0    | 0.1    |  |
| G141.0 | 1.5  | 0.9   | 0.0   | 2.2    | 0.0    | 0.4    | 0.0    | 0.0    | 1.5    |  |
| G142.0 | 1.6  | 0.0   | 0.0   | 0.0    | 0.6    | 0.0    | 0.0    | 0.0    | 1.6    |  |
| G143.0 | 0.3  | 0.6   | 0.0   | 0.0    | 0.0    | 2.0    | 0.0    | 0.0    | 0.3    |  |
| G144.0 | 1.9  | 1.9   | 0.4   | 1.0    | 0.0    | 0.0    | 1.5    | 0.0    | 1.9    |  |
| G145.0 | 2.1  | 1.2   | 0.3   | 1.1    | 0.0    | 0.8    | 1.2    | 1.8    | 2.1    |  |
| G146.0 | 0.0  | 0.0   | 0.0   | 1.2    | 0.0    | 0.0    | 1.0    | 0.2    | 0.0    |  |
| G147.0 | 2.2  | 0.4   | 0.0   | 1.2    | 0.0    | 2.4    | 0.9    | 1.6    | 2.2    |  |

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

Gamma Plane (°):0.0-180.0:1.0  
 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 |  |
|--------|------|-------|-------|--------|--------|--------|--------|--------|--------|--|
| G148.0 | 2.4  | 0.6   | 1.4   | 0.0    | 0.0    | 0.0    | 0.7    | 0.0    | 2.4    |  |
| G149.0 | 0.0  | 0.8   | 1.2   | 0.0    | 0.0    | 0.0    | 0.6    | 2.0    | 0.0    |  |
| G150.0 | 2.6  | 0.6   | 0.0   | 0.0    | 1.0    | 0.0    | 0.3    | 0.4    | 2.6    |  |
| G151.0 | 0.0  | 0.4   | 1.0   | 2.9    | 0.0    | 0.0    | 0.1    | 0.4    | 0.0    |  |
| G152.0 | 0.0  | 0.2   | 1.2   | 1.3    | 0.0    | 0.0    | 0.5    | 0.5    | 0.0    |  |
| G153.0 | 2.8  | 1.8   | 1.3   | 1.2    | 0.0    | 1.1    | 1.9    | 0.6    | 2.8    |  |
| G154.0 | 0.0  | 1.7   | 0.0   | 1.3    | 1.2    | 0.0    | 0.0    | 0.9    | 0.0    |  |
| G155.0 | 0.0  | 0.0   | 0.2   | 2.8    | 1.3    | 0.0    | 2.1    | 1.0    | 0.0    |  |
| G156.0 | 0.0  | 0.0   | 1.8   | 2.8    | 0.0    | 2.6    | 1.9    | 1.0    | 0.0    |  |
| G157.0 | 2.9  | 0.0   | 0.4   | 2.7    | 0.0    | 2.6    | 2.4    | 1.0    | 2.9    |  |
| G158.0 | 0.0  | 2.4   | 0.7   | 1.1    | 1.4    | 0.0    | 1.0    | 1.1    | 0.0    |  |
| G159.0 | 2.9  | 2.6   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.5    | 2.9    |  |
| G160.0 | 0.0  | 2.7   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 1.4    | 0.0    |  |
| G161.0 | 2.9  | 0.0   | 0.0   | 0.7    | 1.3    | 1.1    | 2.8    | 1.3    | 2.9    |  |
| G162.0 | 2.9  | 0.0   | 2.5   | 0.6    | 0.0    | 0.0    | 2.9    | 1.4    | 2.9    |  |
| G163.0 | 3.0  | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 1.4    | 3.0    |  |
| G164.0 | 0.0  | 1.4   | 0.0   | 0.0    | 0.0    | 1.1    | 0.0    | 0.3    | 0.0    |  |
| G165.0 | 0.0  | 0.0   | 1.3   | 0.1    | 0.0    | 0.0    | 2.8    | 1.5    | 0.0    |  |
| G166.0 | 0.0  | 2.7   | 0.0   | 1.6    | 0.8    | 0.0    | 2.6    | 1.4    | 0.0    |  |
| G167.0 | 0.0  | 0.0   | 1.4   | 1.3    | 0.0    | 0.0    | 2.7    | 0.3    | 0.0    |  |
| G168.0 | 2.8  | 0.0   | 0.0   | 1.1    | 0.0    | 0.9    | 0.0    | 1.5    | 2.8    |  |
| G169.0 | 2.9  | 0.0   | 0.0   | 0.9    | 1.9    | 0.0    | 2.8    | 0.3    | 2.9    |  |
| G170.0 | 2.9  | 0.9   | 2.9   | 1.1    | 0.0    | 0.0    | 0.0    | 0.5    | 2.9    |  |
| G171.0 | 2.9  | 0.0   | 2.8   | 0.0    | 0.0    | 0.0    | 2.4    | 1.4    | 2.9    |  |
| G172.0 | 1.4  | 0.0   | 1.3   | 0.3    | 1.3    | 0.7    | 0.0    | 0.4    | 1.4    |  |
| G173.0 | 3.0  | 0.0   | 0.0   | 1.7    | 0.9    | 0.0    | 2.0    | 1.3    | 3.0    |  |
| G174.0 | 0.0  | 1.5   | 0.0   | 0.0    | 0.0    | 2.0    | 0.3    | 0.0    | 0.0    |  |
| G175.0 | 2.9  | 1.3   | 0.0   | 0.0    | 0.4    | 1.8    | 0.2    | 0.0    | 2.9    |  |
| G176.0 | 2.9  | 0.8   | 0.9   | 0.0    | 1.7    | 1.6    | 1.2    | 0.9    | 2.9    |  |
| G177.0 | 0.0  | 0.0   | 2.2   | 0.0    | 0.5    | 0.4    | 0.9    | 0.9    | 0.0    |  |
| G178.0 | 1.4  | 1.6   | 1.8   | 0.0    | 0.9    | 0.0    | 0.7    | 0.5    | 1.4    |  |
| G179.0 | 0.0  | 0.0   | 1.2   | 1.4    | 0.0    | 0.7    | 1.9    | 0.3    | 0.0    |  |
| G180.0 | 0.0  | 2.3   | 0.0   | 1.3    | 1.4    | 2.4    | 0.0    | 0.0    | 0.0    |  |
|        |      |       |       |        |        |        |        |        |        |  |
|        |      |       |       |        |        |        |        |        |        |  |
|        |      |       |       |        |        |        |        |        |        |  |
|        |      |       |       |        |        |        |        |        |        |  |

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector: