

Report No.:

Test Time: 2020-08-27 15:08

## Luminaire Property

Luminaire Manufacturer:

Luminaire Description: MR0727KCWFLBWU Voltage: 12.7 V

Current: 0.632 A

Power: 6.90 W

Power Factor: 0.864

## Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 518.9 lm

Measurement Flux: 518.9 lm

Efficiency: 100%

Downward Ratio: 99%

Upward Ratio: 1%

Horizontal Diffuse Angle(10%,50%,75%,100%): H152.3,H102.4,H73.2,H5

Vertical Diffuse Angle(10%,50%,75%,100%): V147,V103.3,V74.5,V2

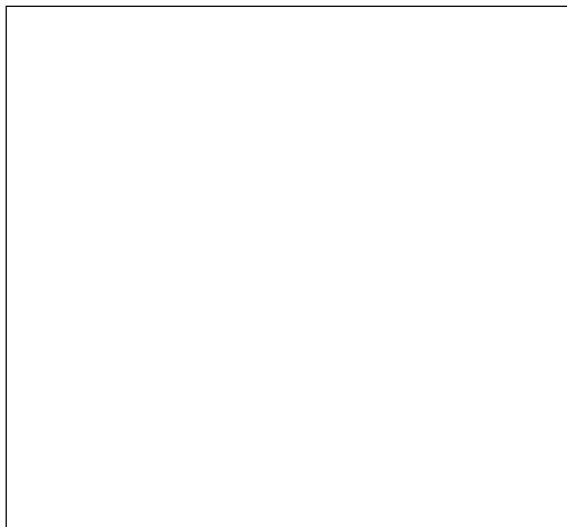
Luminaire Efficacy Rating (LER): 75

Central Intensity: 209.82 cd

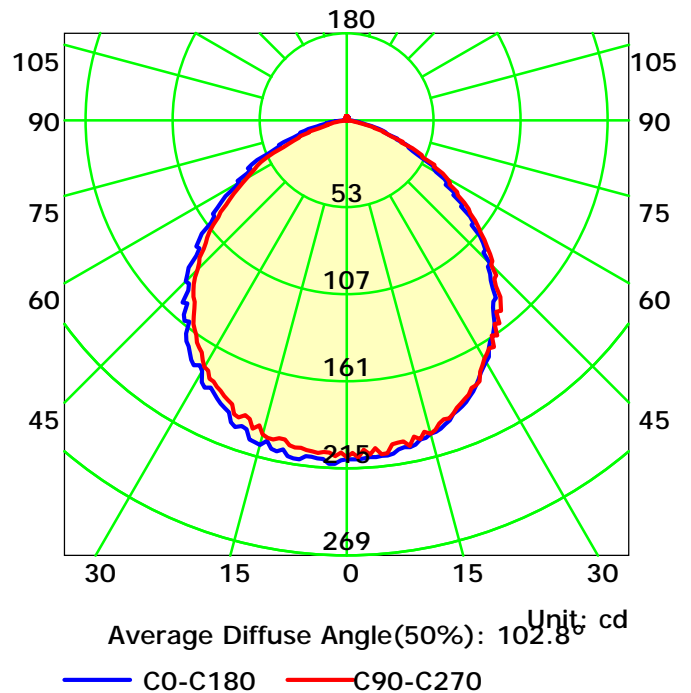
Max. Intensity: 212.84 cd

Pos of Max. Intensity: H180 V3

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

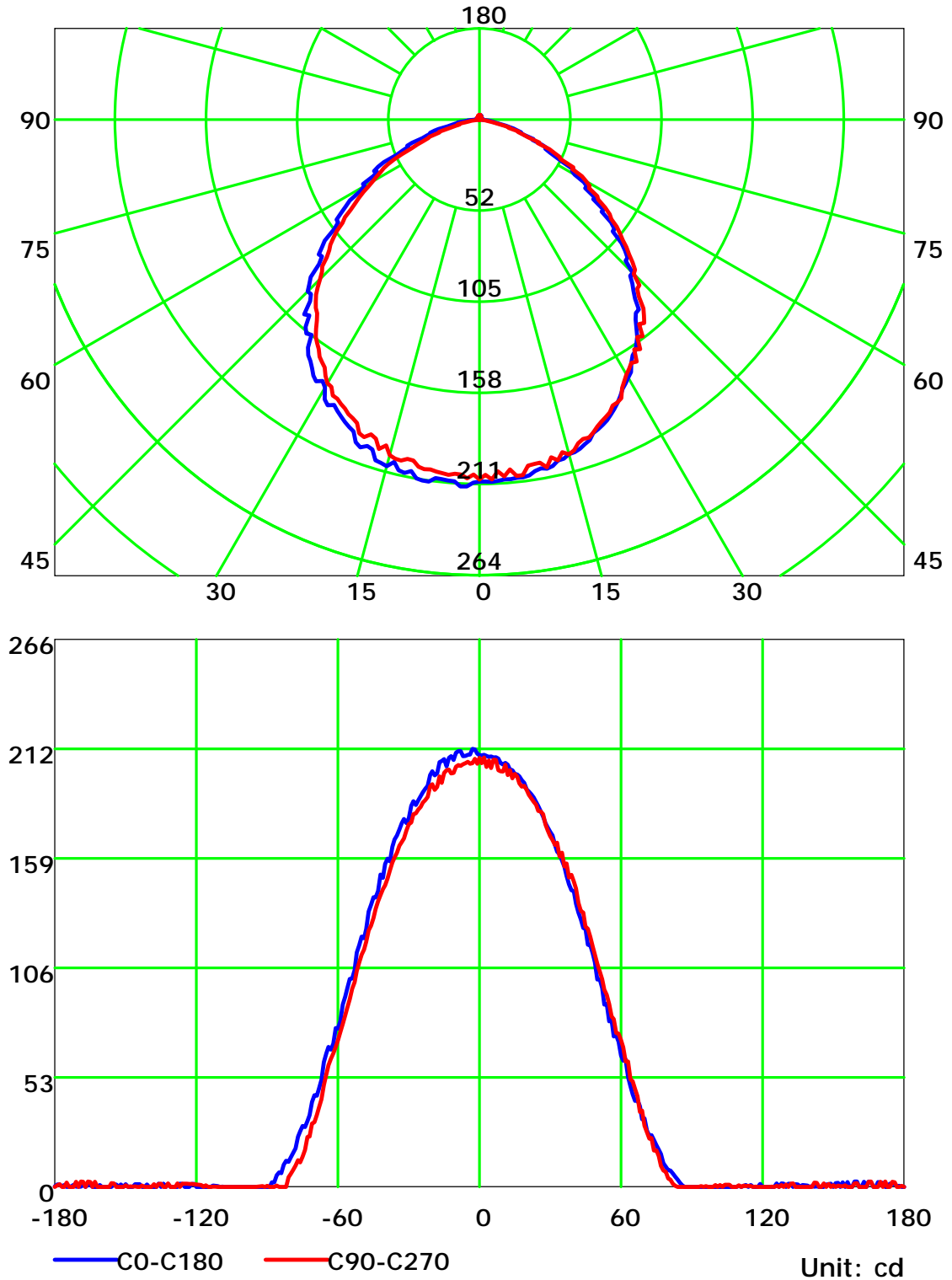
Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

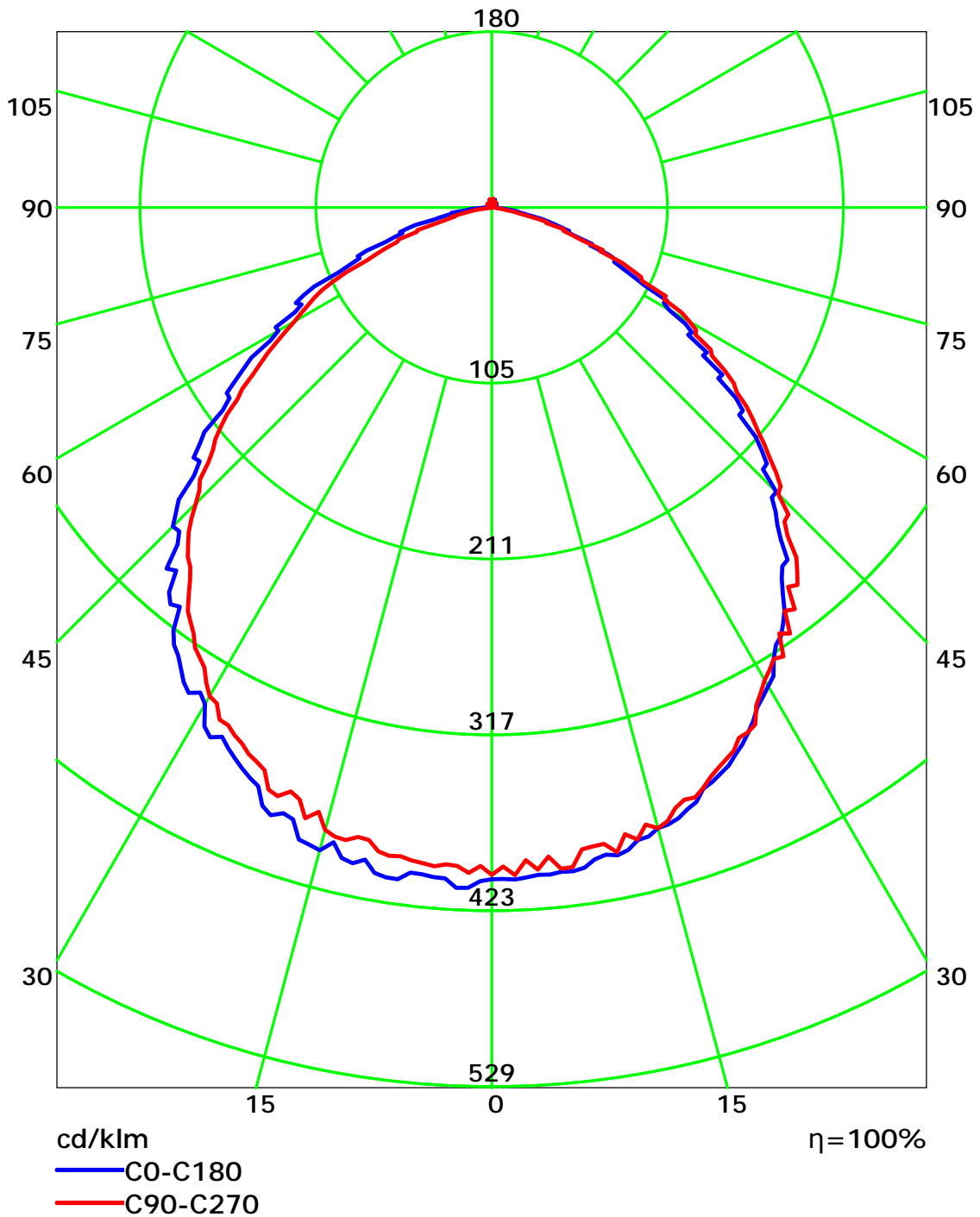
## Luminous Intensity Distribution Curve



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)



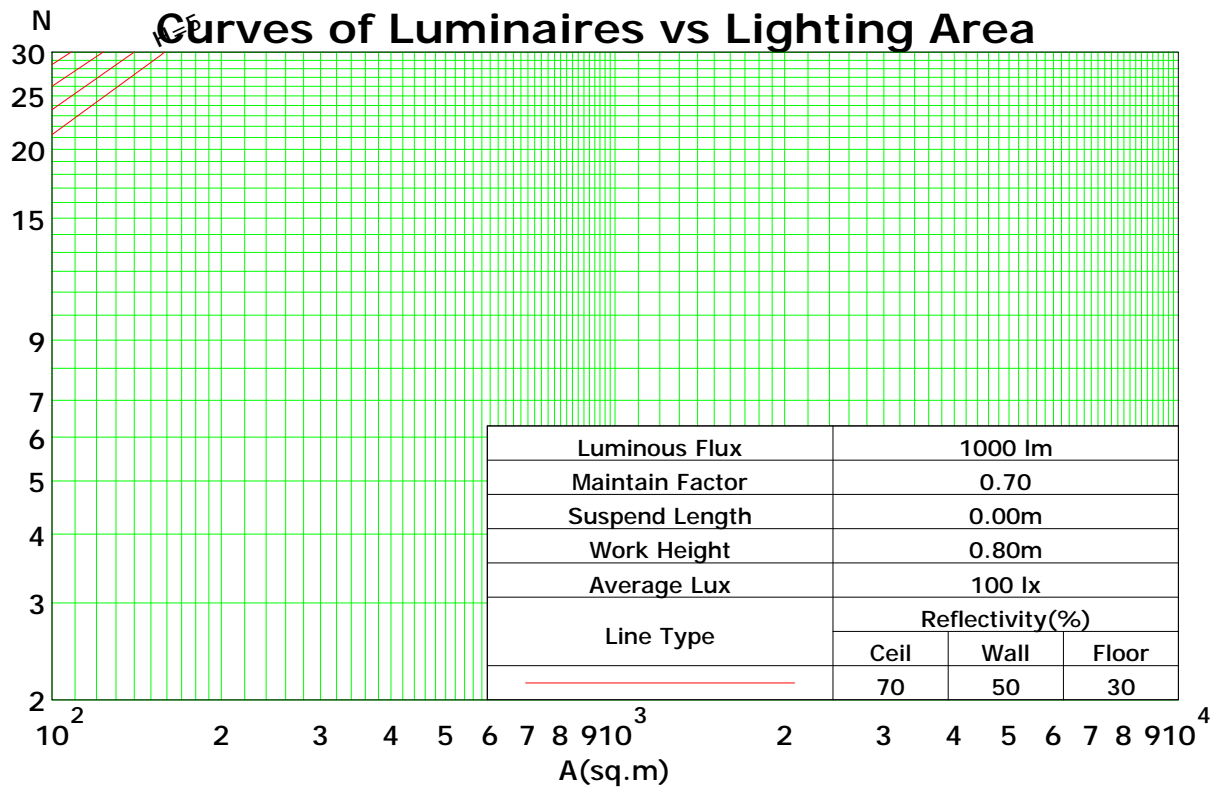
C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

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 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 99 |
| 1   | 110      | 106 | 102 | 98  | 107 | 103 | 100 | 97  | 99  | 96  | 94  | 95  | 93  | 91  | 92  | 90  | 88  | 86 |
| 2   | 101      | 93  | 87  | 82  | 98  | 91  | 86  | 81  | 88  | 83  | 79  | 84  | 80  | 77  | 81  | 78  | 75  | 73 |
| 3   | 92       | 83  | 75  | 69  | 90  | 81  | 74  | 68  | 78  | 72  | 67  | 75  | 70  | 66  | 73  | 68  | 65  | 63 |
| 4   | 85       | 74  | 65  | 59  | 83  | 72  | 65  | 59  | 70  | 63  | 58  | 67  | 62  | 57  | 65  | 60  | 56  | 54 |
| 5   | 78       | 66  | 58  | 51  | 76  | 65  | 57  | 51  | 63  | 56  | 50  | 61  | 55  | 50  | 59  | 54  | 49  | 47 |
| 6   | 72       | 60  | 51  | 45  | 71  | 59  | 51  | 45  | 57  | 50  | 44  | 55  | 49  | 44  | 54  | 48  | 44  | 42 |
| 7   | 67       | 54  | 46  | 40  | 66  | 53  | 45  | 40  | 52  | 45  | 40  | 50  | 44  | 39  | 49  | 43  | 39  | 37 |
| 8   | 63       | 50  | 41  | 36  | 61  | 49  | 41  | 36  | 48  | 41  | 35  | 46  | 40  | 35  | 45  | 39  | 35  | 33 |
| 9   | 59       | 46  | 38  | 32  | 57  | 45  | 37  | 32  | 44  | 37  | 32  | 43  | 36  | 32  | 42  | 36  | 32  | 30 |
| 10  | 55       | 42  | 34  | 29  | 54  | 42  | 34  | 29  | 41  | 34  | 29  | 40  | 33  | 29  | 39  | 33  | 29  | 27 |

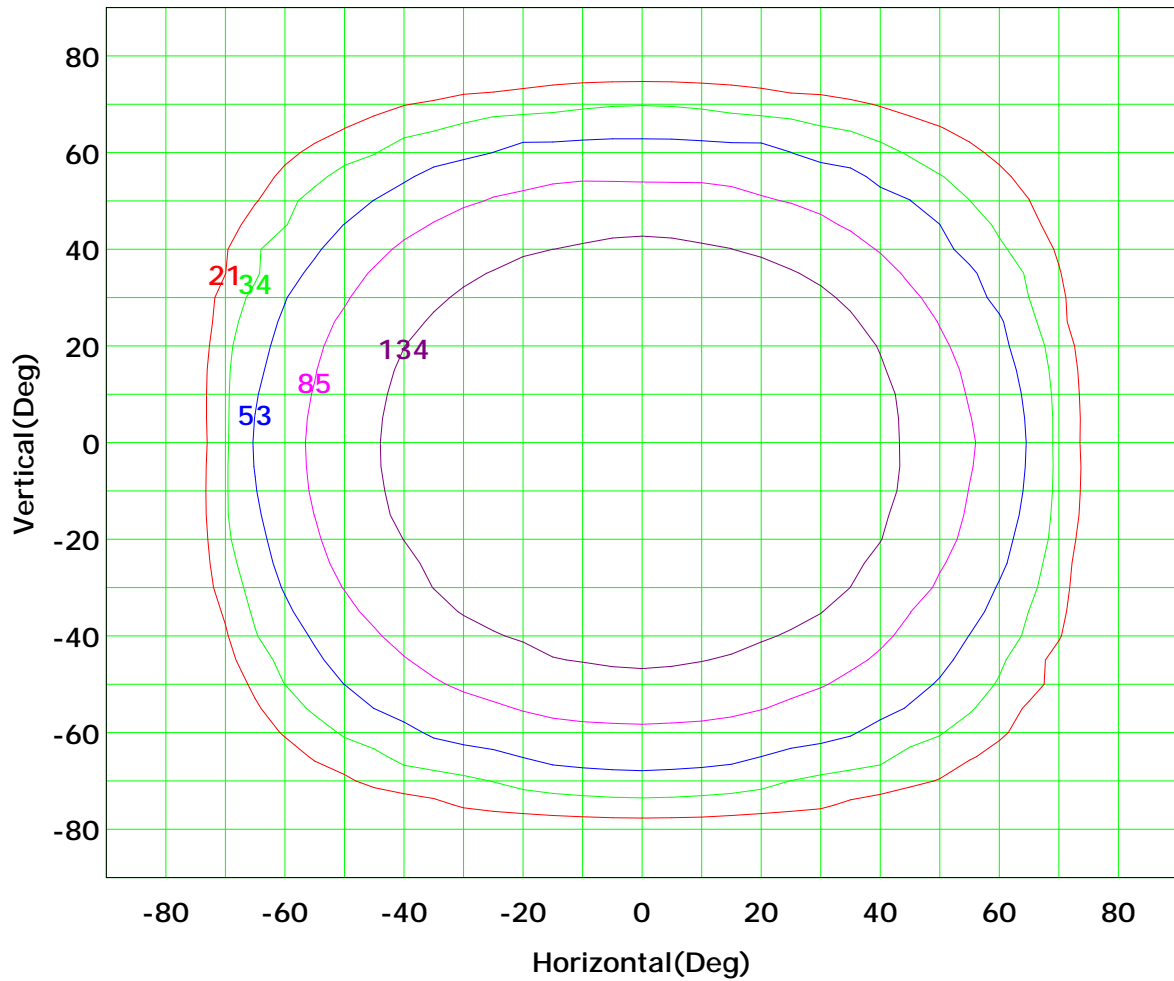
Spacing Criteria (0-180): 1.25  
 Spacing Criteria (90-270): 1.23  
 Spacing Criteria (Diagonal): 1.33



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)



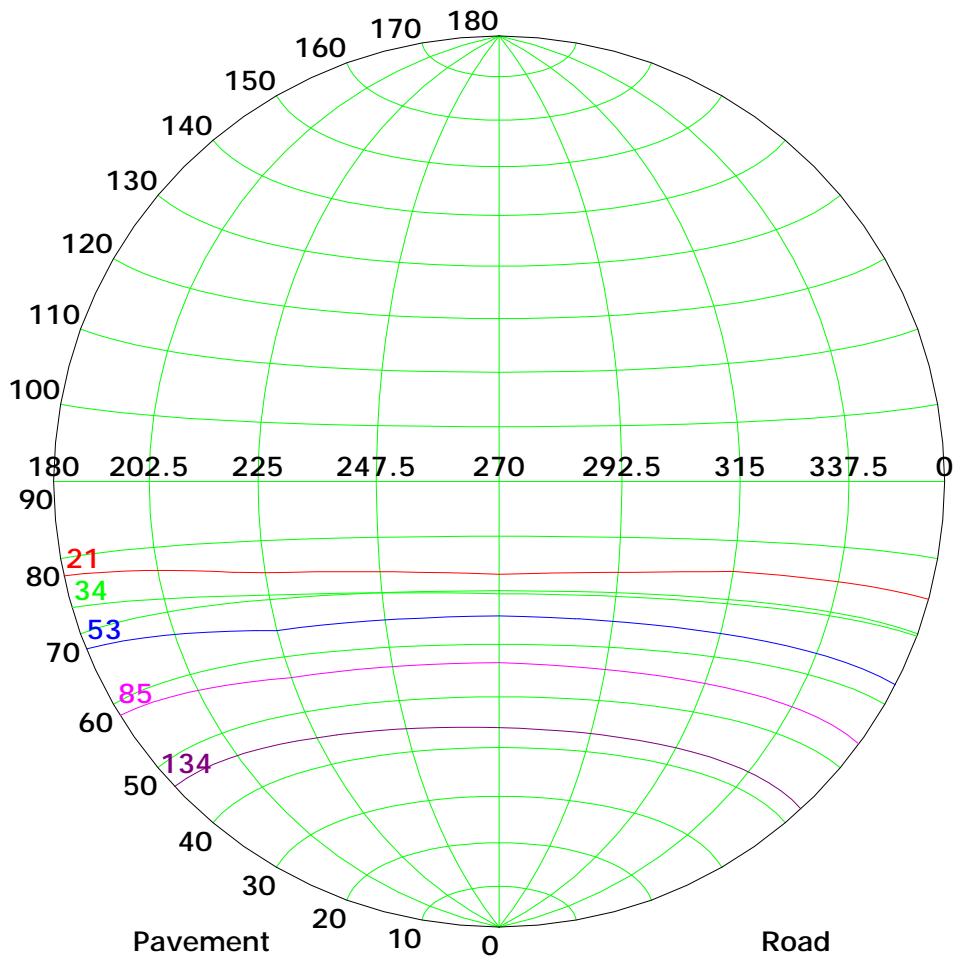
Imax (100%): 213 cd

|           |        |           |        |
|-----------|--------|-----------|--------|
| — ( 10%): | 21 cd  | — ( 16%): | 34 cd  |
| — ( 25%): | 53 cd  | — ( 40%): | 85 cd  |
| — ( 63%): | 134 cd | — (100%): | 213 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)



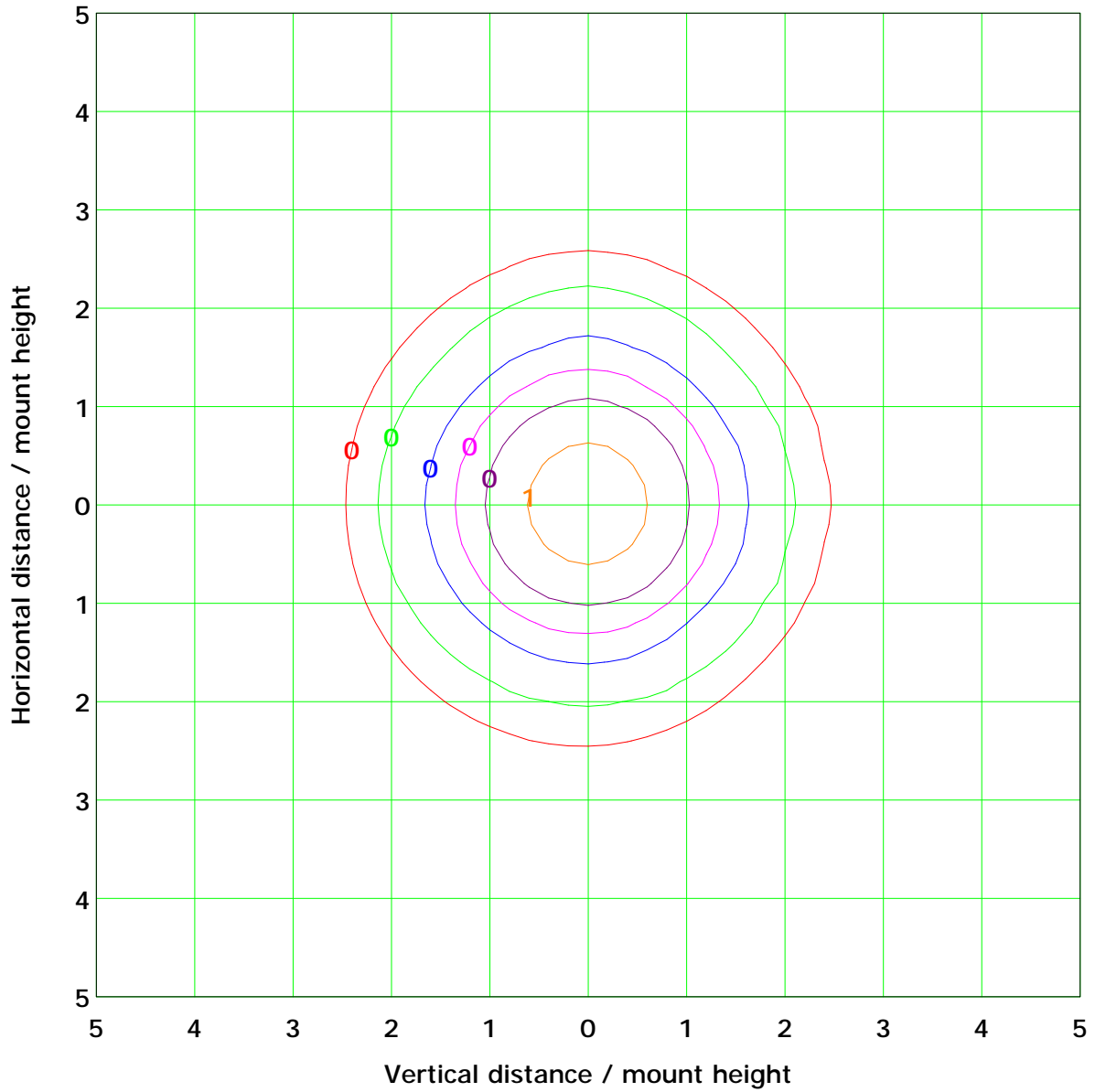
Imax (100%): 213 cd

|           |        |           |        |
|-----------|--------|-----------|--------|
| — ( 10%): | 21 cd  | — ( 16%): | 34 cd  |
| — ( 25%): | 53 cd  | — ( 40%): | 85 cd  |
| — ( 63%): | 134 cd | — (100%): | 213 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%): 2.1 lx

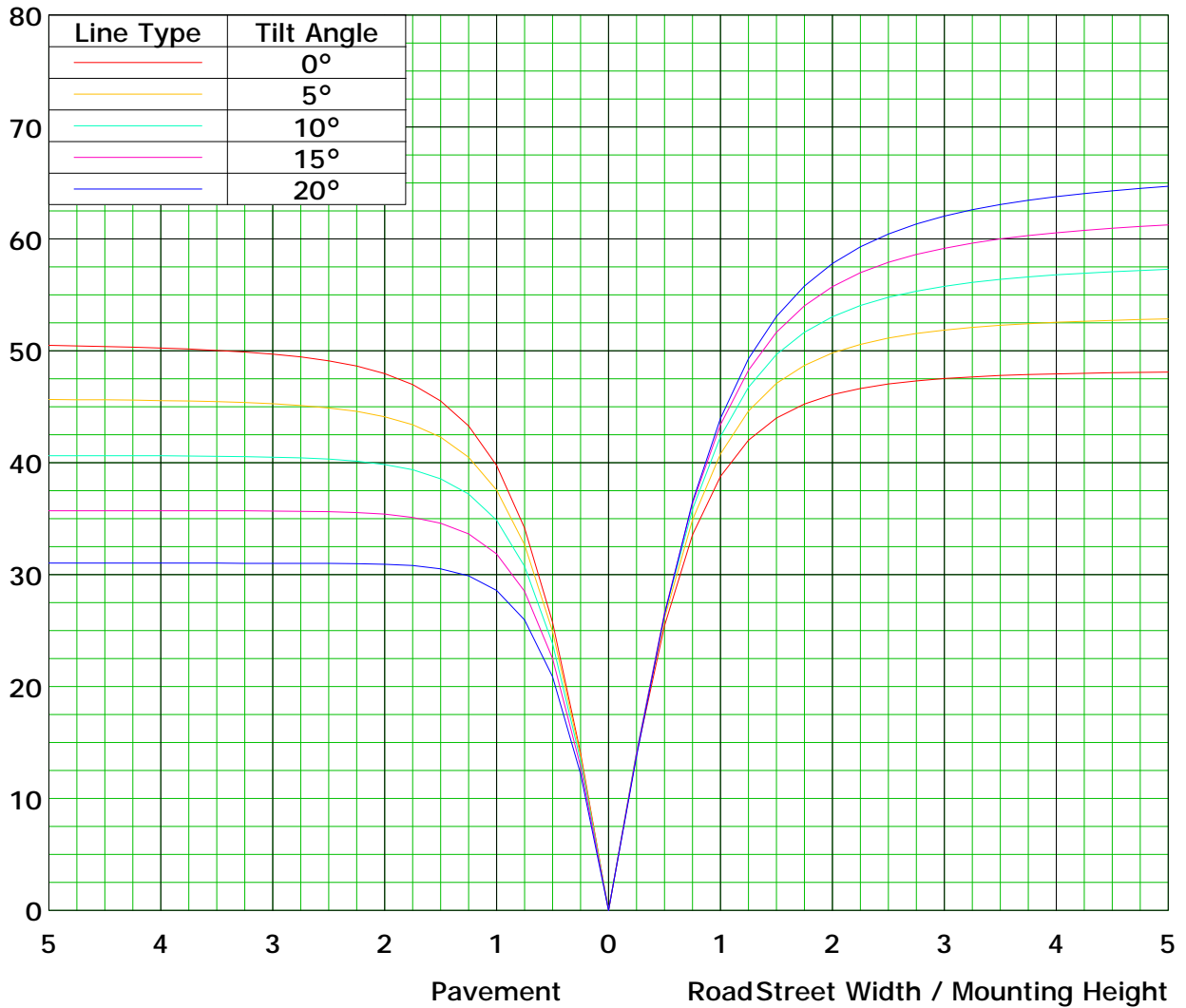
|                |                |
|----------------|----------------|
| ( 1%): 0.0 lx  | ( 2%): 0.0 lx  |
| ( 5%): 0.1 lx  | ( 10%): 0.2 lx |
| ( 20%): 0.4 lx | ( 50%): 1.1 lx |
| (100%): 2.1 lx |                |

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:

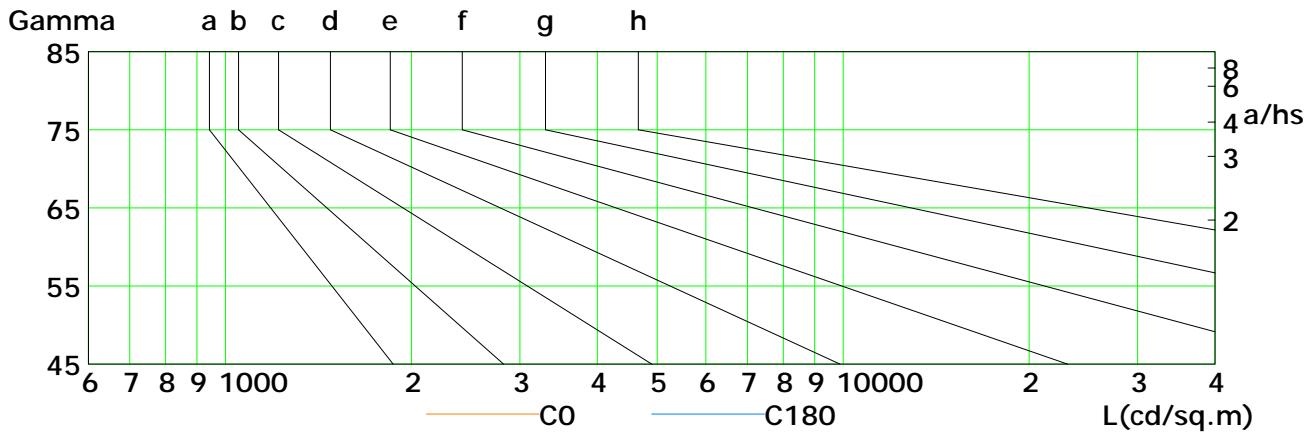
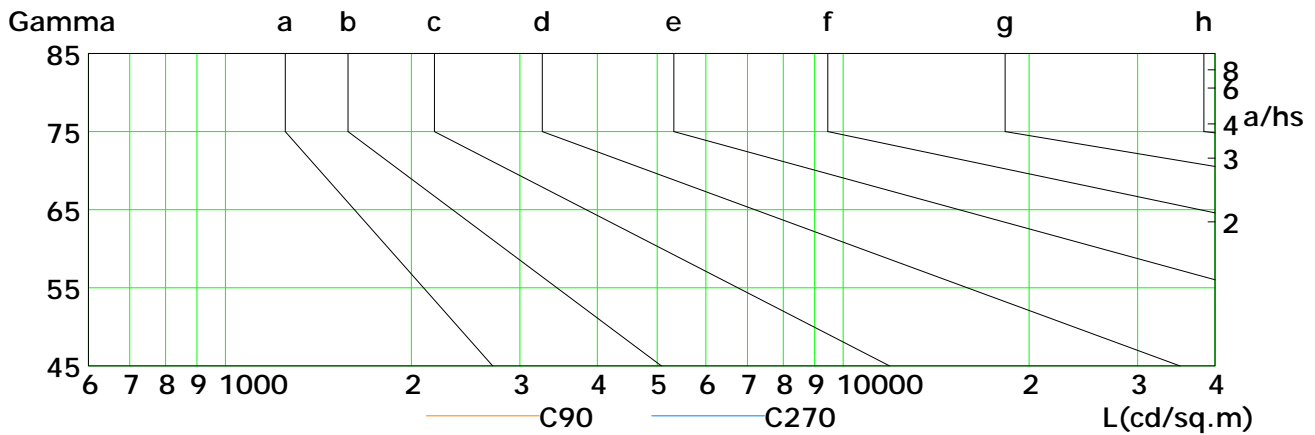
Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:



### 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

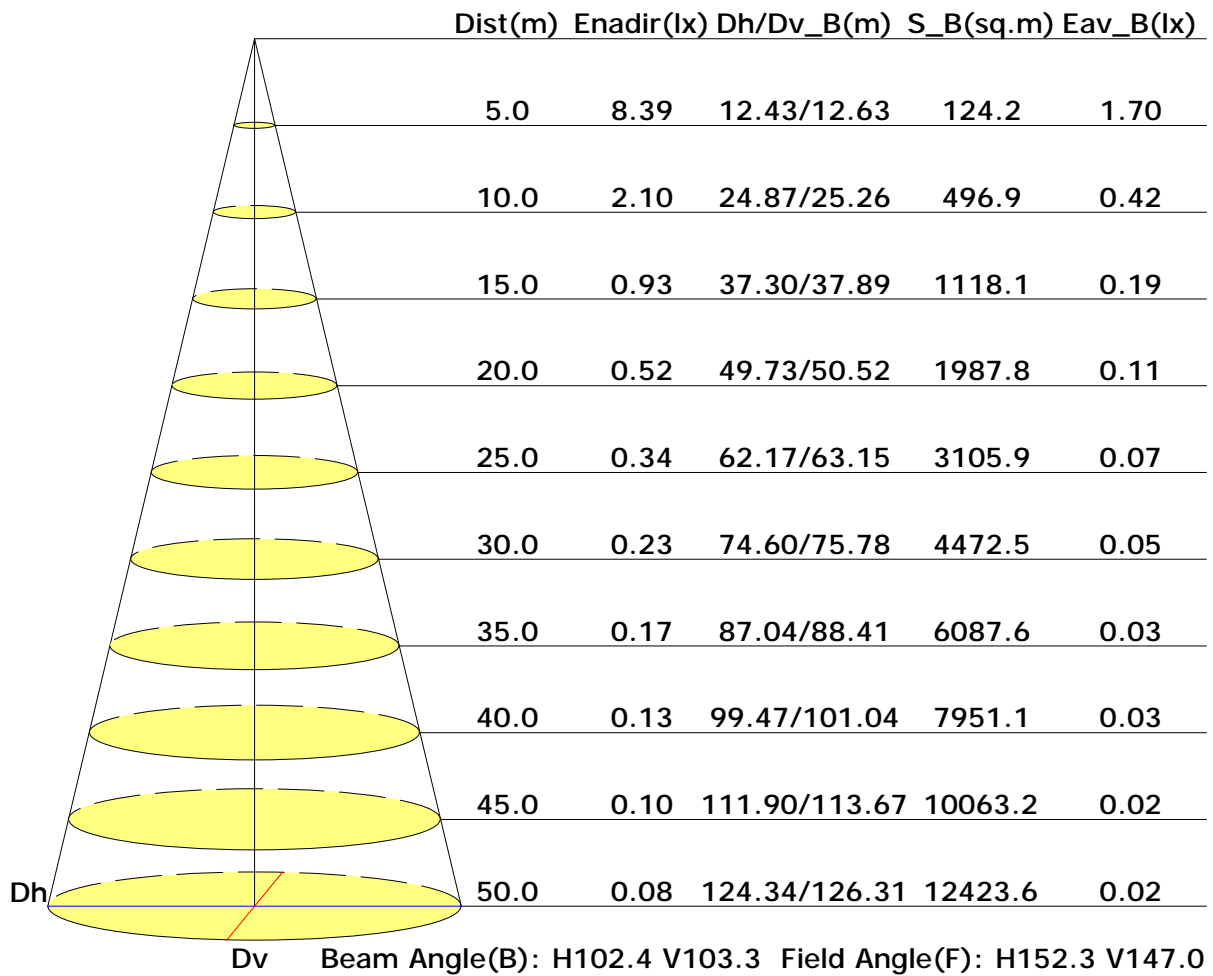


| L(cd/sq.m) | G45 | G50 | G55 | G60 | G65 | G70 | G75 | G80 | G85 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| C0         | 126 | 101 | 81  | 64  | 45  | 33  | 20  | 8   | 2   |
| C90        | 127 | 109 | 89  | 71  | 51  | 30  | 18  | 4   | 0   |
| C180       | 141 | 122 | 101 | 77  | 65  | 45  | 30  | 14  | 7   |
| C270       | 131 | 113 | 91  | 71  | 55  | 31  | 15  | 6   | 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:

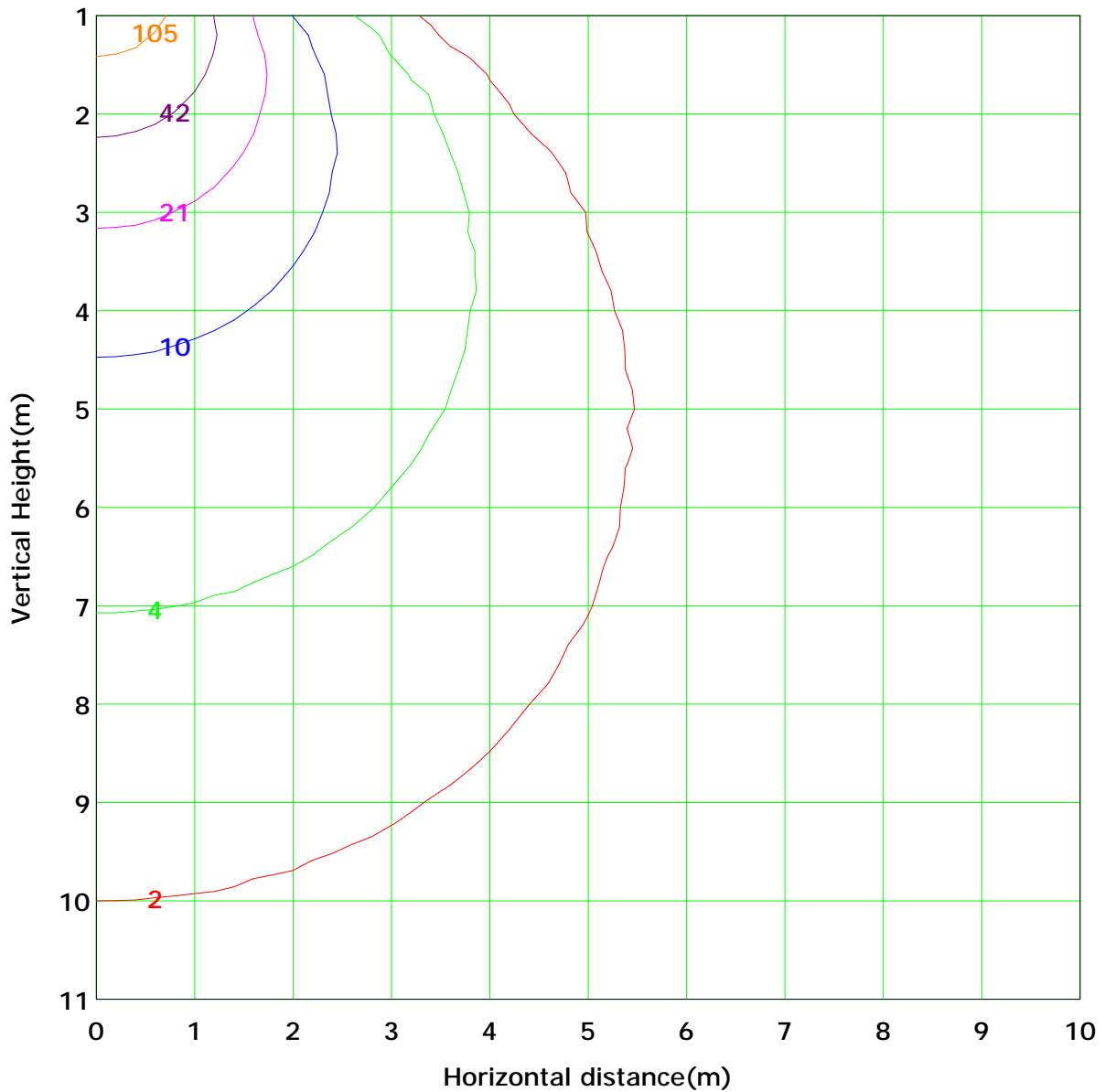
## Illuminance at a Distance



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



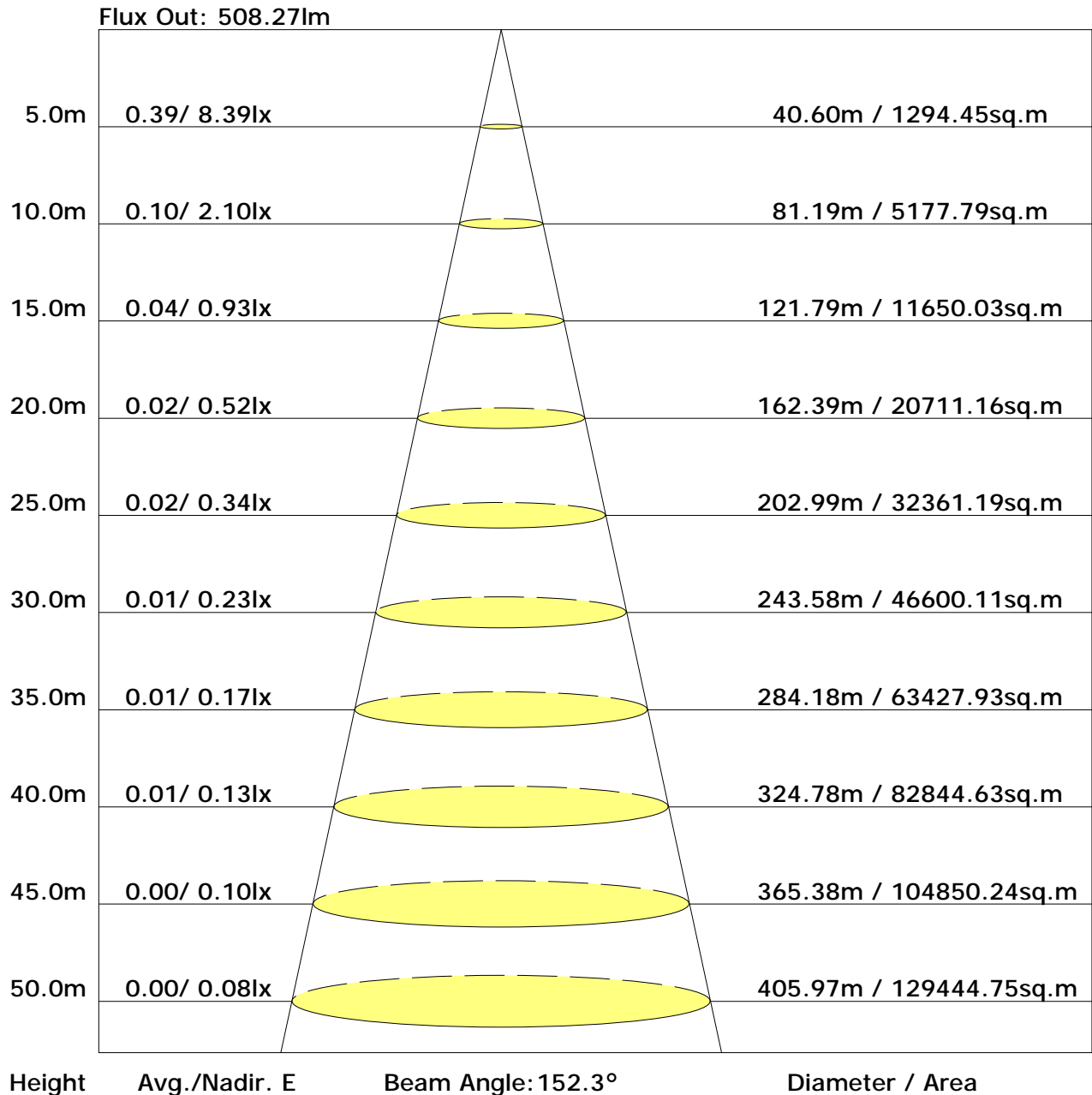
Lowest(m): 1.0m    Highest(m): 11.0m    Max Lux: 209.8 lx  
 ( 1%): 2.1 lx                      ( 2%): 4.2 lx  
 ( 5%): 10.5 lx                      ( 10%): 21.0 lx  
 ( 20%): 42.0 lx                      ( 50%): 104.9 lx  
 (100%): 209.8 lx

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:



## 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

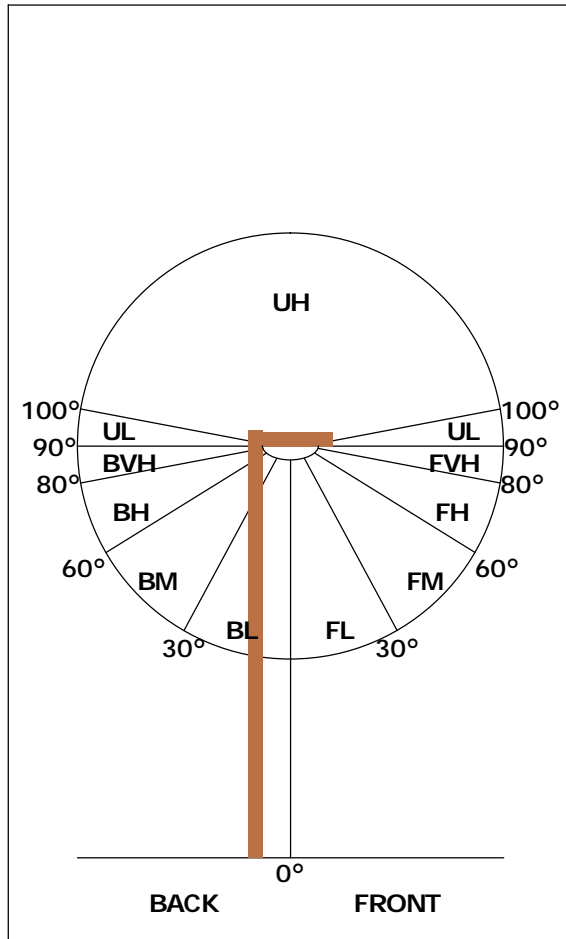
|                  |                  |      |      |      |      |                |       |       |       |       |
|------------------|------------------|------|------|------|------|----------------|-------|-------|-------|-------|
| Reflectance:     |                  |      |      |      |      |                |       |       |       |       |
| 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**



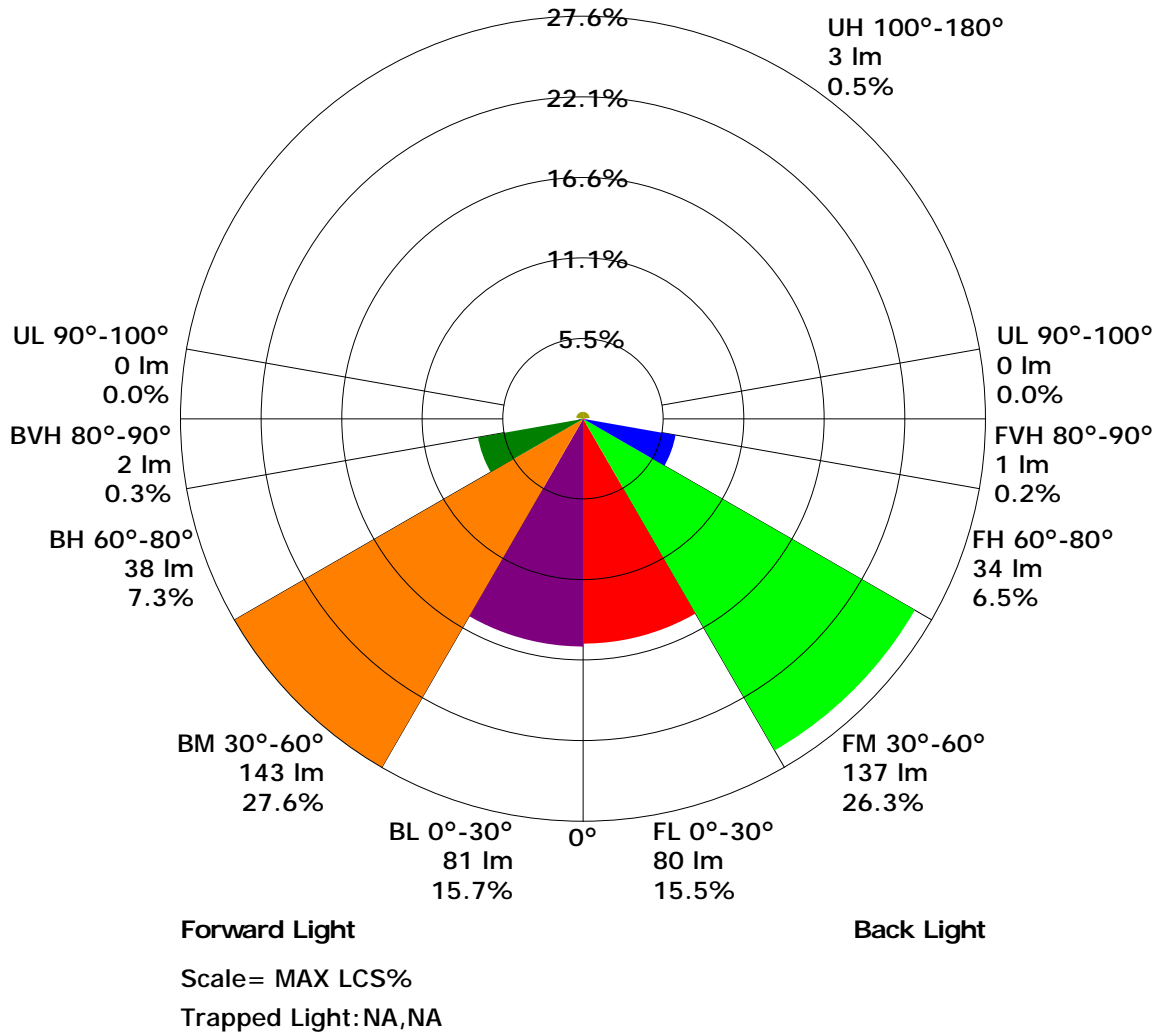
| ZONE                 | LUMENS     | % LAMP LUMENS |
|----------------------|------------|---------------|
| <b>FORWARD LIGHT</b> | <b>252</b> | <b>48.5</b>   |
| FL ( 0°-30°)         | 80         | 15.5          |
| FM (30°-60°)         | 137        | 26.3          |
| FH (60°-80°)         | 34         | 6.5           |
| FVH (80°-90°)        | 1          | 0.2           |
| <b>BACK LIGHT</b>    | <b>265</b> | <b>51.0</b>   |
| BL ( 0°-30°)         | 81         | 15.7          |
| BM (30°-60°)         | 143        | 27.6          |
| BH (60°-80°)         | 38         | 7.3           |
| BVH (80°-90°)        | 2          | 0.3           |
| <b>UP LIGHT</b>      | <b>3</b>   | <b>0.5</b>    |
| UL (90°-100°)        | 0          | 0.0           |
| UH (100°-180°)       | 3          | 0.5           |
| <b>TRAPPED LIGHT</b> | <b>NA</b>  | <b>NA</b>     |

| BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07             |          |
|--|----------|
| 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:

### LCS Graph



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 = 1.25 |      |      |      |      |      |      |      |      |  |
|--|------|-------|----------------|------|------|------|------|------|------|------|------|--|
| Room Reflectance   |      |       | Room Index(RI) |      |      |      |      |      |      |      |      |  |
| Ceiling  | Wall | Floor | 0.75           | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 |  |
| 0.70   | 0.50 | 0.20  | 0.61           | 0.71 | 0.79 | 0.84 | 0.91 | 0.95 | 0.99 | 1.03 | 1.05 |  |
|  | 0.30 |       | 0.53           | 0.64 | 0.72 | 0.77 | 0.85 | 0.90 | 0.94 | 0.99 | 1.02 |  |
|  | 0.20 |       | 0.48           | 0.59 | 0.66 | 0.72 | 0.80 | 0.86 | 0.90 | 0.96 | 1.00 |  |
| 0.50   | 0.50 | 0.20  | 0.59           | 0.69 | 0.76 | 0.81 | 0.88 | 0.92 | 0.95 | 0.99 | 1.01 |  |
|  | 0.30 |       | 0.53           | 0.63 | 0.70 | 0.76 | 0.83 | 0.88 | 0.91 | 0.96 | 0.99 |  |
|  | 0.20 |       | 0.48           | 0.58 | 0.66 | 0.71 | 0.79 | 0.84 | 0.88 | 0.93 | 0.96 |  |
| 0.30   | 0.50 | 0.20  | 0.58           | 0.67 | 0.74 | 0.78 | 0.85 | 0.89 | 0.91 | 0.95 | 0.97 |  |
|  | 0.30 |       | 0.52           | 0.62 | 0.69 | 0.74 | 0.81 | 0.85 | 0.88 | 0.93 | 0.95 |  |
|  | 0.20 |       | 0.47           | 0.58 | 0.65 | 0.70 | 0.77 | 0.82 | 0.86 | 0.90 | 0.93 |  |
| 0.00   | 0.00 | 0.00  | 0.45           | 0.55 | 0.62 | 0.67 | 0.74 | 0.78 | 0.82 | 0.86 | 0.88 |  |
| <p>Rating: 7W 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 = 1.25 |      |      |      |      |      |      |      |      |  |
|--|------|-------|----------------|------|------|------|------|------|------|------|------|--|
| Room Reflectance   |      |       | Room Index(RI) |      |      |      |      |      |      |      |      |  |
| Ceiling  | Wall | Floor | 0.75           | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 |  |
| 0.70   | 0.50 | 0.20  | 0.94           | 0.76 | 0.64 | 0.55 | 0.44 | 0.36 | 0.30 | 0.23 | 0.19 |  |
|  | 0.30 |       | 0.78           | 0.65 | 0.56 | 0.49 | 0.39 | 0.33 | 0.28 | 0.22 | 0.18 |  |
|  | 0.20 |       | 0.67           | 0.57 | 0.50 | 0.44 | 0.36 | 0.30 | 0.26 | 0.21 | 0.17 |  |
| 0.50   | 0.50 | 0.20  | 0.90           | 0.73 | 0.61 | 0.53 | 0.41 | 0.37 | 0.29 | 0.22 | 0.18 |  |
|  | 0.30 |       | 0.76           | 0.63 | 0.54 | 0.47 | 0.38 | 0.31 | 0.27 | 0.21 | 0.17 |  |
|  | 0.20 |       | 0.66           | 0.56 | 0.48 | 0.43 | 0.35 | 0.29 | 0.25 | 0.20 | 0.16 |  |
| 0.30   | 0.50 | 0.20  | 0.87           | 0.70 | 0.59 | 0.50 | 0.39 | 0.32 | 0.27 | 0.21 | 0.17 |  |
|  | 0.30 |       | 0.75           | 0.62 | 0.52 | 0.46 | 0.36 | 0.30 | 0.26 | 0.20 | 0.16 |  |
|  | 0.20 |       | 0.65           | 0.55 | 0.48 | 0.42 | 0.34 | 0.28 | 0.24 | 0.19 | 0.16 |  |
| 0.00   | 0.00 | 0.00  | 0.55           | 0.45 | 0.38 | 0.33 | 0.26 | 0.21 | 0.18 | 0.14 | 0.11 |  |
| <p>Rating: 7W 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 = 1.25 |      |      |      |      |      |      |      |      |  |
|--|------|-------|----------------|------|------|------|------|------|------|------|------|--|
| Room Reflectance   |      |       | Room Index(RI) |      |      |      |      |      |      |      |      |  |
| Ceiling  | Wall | Floor | 0.75           | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 |  |
| 0.70   | 0.50 | 0.20  | 0.16           | 0.18 | 0.18 | 0.19 | 0.20 | 0.21 | 0.21 | 0.22 | 0.22 |  |
|  | 0.30 |       | 0.10           | 0.12 | 0.13 | 0.14 | 0.16 | 0.17 | 0.18 | 0.19 | 0.20 |  |
|  | 0.20 |       | 0.05           | 0.07 | 0.09 | 0.10 | 0.12 | 0.14 | 0.15 | 0.17 | 0.18 |  |
| 0.50   | 0.50 | 0.20  | 0.16           | 0.17 | 0.18 | 0.18 | 0.19 | 0.20 | 0.20 | 0.21 | 0.21 |  |
|  | 0.30 |       | 0.10           | 0.11 | 0.13 | 0.14 | 0.15 | 0.16 | 0.17 | 0.18 | 0.19 |  |
|  | 0.20 |       | 0.05           | 0.07 | 0.09 | 0.10 | 0.12 | 0.13 | 0.14 | 0.16 | 0.17 |  |
| 0.30   | 0.50 | 0.20  | 0.15           | 0.16 | 0.17 | 0.18 | 0.19 | 0.19 | 0.19 | 0.20 | 0.20 |  |
|  | 0.30 |       | 0.10           | 0.11 | 0.12 | 0.13 | 0.15 | 0.16 | 0.17 | 0.18 | 0.18 |  |
|  | 0.20 |       | 0.05           | 0.07 | 0.08 | 0.10 | 0.12 | 0.13 | 0.14 | 0.16 | 0.17 |  |
| 0.00   | 0.00 | 0.00  | 0.01           | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |  |
| <p>Rating: 7W 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      | 208.0                     | 0.2                | 0.2                    | 0.04                  | 0.04                      |
| 1.0-2.0      | 207.6                     | 0.6                | 0.8                    | 0.11                  | 0.15                      |
| 2.0-3.0      | 207.8                     | 1.0                | 1.8                    | 0.19                  | 0.34                      |
| 3.0-4.0      | 207.2                     | 1.4                | 3.2                    | 0.27                  | 0.61                      |
| 4.0-5.0      | 207.1                     | 1.8                | 5.0                    | 0.34                  | 0.96                      |
| 5.0-6.0      | 207.5                     | 2.2                | 7.1                    | 0.42                  | 1.38                      |
| 6.0-7.0      | 207.5                     | 2.6                | 9.7                    | 0.50                  | 1.87                      |
| 7.0-8.0      | 206.9                     | 3.0                | 12.7                   | 0.57                  | 2.44                      |
| 8.0-9.0      | 206.1                     | 3.3                | 16.0                   | 0.64                  | 3.09                      |
| 9.0-10.0     | 205.0                     | 3.7                | 19.7                   | 0.72                  | 3.80                      |
| 10.0-11.0    | 204.3                     | 4.1                | 23.8                   | 0.79                  | 4.59                      |
| 11.0-12.0    | 204.0                     | 4.5                | 28.3                   | 0.86                  | 5.45                      |
| 12.0-13.0    | 203.6                     | 4.8                | 33.1                   | 0.93                  | 6.38                      |
| 13.0-14.0    | 202.0                     | 5.2                | 38.3                   | 1.00                  | 7.38                      |
| 14.0-15.0    | 200.9                     | 5.5                | 43.8                   | 1.06                  | 8.44                      |
| 15.0-16.0    | 200.5                     | 5.9                | 49.7                   | 1.13                  | 9.57                      |
| 16.0-17.0    | 199.1                     | 6.2                | 55.9                   | 1.20                  | 10.77                     |
| 17.0-18.0    | 197.3                     | 6.5                | 62.4                   | 1.25                  | 12.02                     |
| 18.0-19.0    | 195.9                     | 6.8                | 69.2                   | 1.31                  | 13.34                     |
| 19.0-20.0    | 195.1                     | 7.1                | 76.3                   | 1.38                  | 14.71                     |
| 20.0-21.0    | 194.1                     | 7.5                | 83.8                   | 1.44                  | 16.15                     |
| 21.0-22.0    | 192.1                     | 7.7                | 91.5                   | 1.49                  | 17.64                     |
| 22.0-23.0    | 189.6                     | 8.0                | 99.5                   | 1.53                  | 19.17                     |
| 23.0-24.0    | 187.8                     | 8.2                | 107.7                  | 1.58                  | 20.75                     |
| 24.0-25.0    | 186.0                     | 8.5                | 116.1                  | 1.63                  | 22.38                     |
| 25.0-26.0    | 184.0                     | 8.7                | 124.8                  | 1.67                  | 24.06                     |
| 26.0-27.0    | 182.2                     | 8.9                | 133.7                  | 1.72                  | 25.78                     |
| 27.0-28.0    | 180.1                     | 9.1                | 142.9                  | 1.76                  | 27.53                     |
| 28.0-29.0    | 178.0                     | 9.3                | 152.2                  | 1.80                  | 29.33                     |
| 29.0-30.0    | 175.2                     | 9.5                | 161.6                  | 1.82                  | 31.15                     |
| 30.0-31.0    | 172.5                     | 9.6                | 171.2                  | 1.85                  | 33.00                     |
| 31.0-32.0    | 170.2                     | 9.7                | 181.0                  | 1.88                  | 34.88                     |
| 32.0-33.0    | 167.7                     | 9.9                | 190.9                  | 1.90                  | 36.79                     |
| 33.0-34.0    | 165.1                     | 10.0               | 200.9                  | 1.93                  | 38.71                     |
| 34.0-35.0    | 162.4                     | 10.1               | 210.9                  | 1.94                  | 40.66                     |
| 35.0-36.0    | 159.4                     | 10.2               | 221.1                  | 1.96                  | 42.61                     |

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 [°] | I <sub>mean</sub> [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|-----------|------------------------|-----------------|---------------------|--------------------|------------------------|
| 36.0-37.0 | 156.6                  | 10.2            | 231.3               | 1.97               | 44.58                  |
| 37.0-38.0 | 153.0                  | 10.2            | 241.5               | 1.97               | 46.55                  |
| 38.0-39.0 | 150.1                  | 10.2            | 251.8               | 1.98               | 48.52                  |
| 39.0-40.0 | 148.5                  | 10.4            | 262.1               | 2.00               | 50.52                  |
| 40.0-41.0 | 145.5                  | 10.4            | 272.5               | 2.00               | 52.52                  |
| 41.0-42.0 | 141.8                  | 10.3            | 282.8               | 1.99               | 54.50                  |
| 42.0-43.0 | 138.6                  | 10.3            | 293.1               | 1.98               | 56.48                  |
| 43.0-44.0 | 135.4                  | 10.2            | 303.3               | 1.97               | 58.45                  |
| 44.0-45.0 | 132.3                  | 10.2            | 313.4               | 1.96               | 60.41                  |
| 45.0-46.0 | 128.7                  | 10.1            | 323.5               | 1.94               | 62.35                  |
| 46.0-47.0 | 125.2                  | 10.0            | 333.5               | 1.92               | 64.27                  |
| 47.0-48.0 | 121.6                  | 9.8             | 343.3               | 1.90               | 66.17                  |
| 48.0-49.0 | 117.4                  | 9.6             | 352.9               | 1.86               | 68.03                  |
| 49.0-50.0 | 113.5                  | 9.5             | 362.4               | 1.82               | 69.85                  |
| 50.0-51.0 | 109.2                  | 9.2             | 371.7               | 1.78               | 71.63                  |
| 51.0-52.0 | 105.2                  | 9.0             | 380.7               | 1.74               | 73.37                  |
| 52.0-53.0 | 99.8                   | 8.7             | 389.4               | 1.67               | 75.04                  |
| 53.0-54.0 | 94.3                   | 8.3             | 397.7               | 1.60               | 76.65                  |
| 54.0-55.0 | 89.9                   | 8.0             | 405.7               | 1.55               | 78.19                  |
| 55.0-56.0 | 85.5                   | 7.7             | 413.4               | 1.49               | 79.68                  |
| 56.0-57.0 | 81.5                   | 7.4             | 420.9               | 1.44               | 81.12                  |
| 57.0-58.0 | 77.5                   | 7.2             | 428.0               | 1.38               | 82.50                  |
| 58.0-59.0 | 74.1                   | 6.9             | 435.0               | 1.34               | 83.84                  |
| 59.0-60.0 | 70.1                   | 6.6             | 441.6               | 1.28               | 85.11                  |
| 60.0-61.0 | 66.6                   | 6.4             | 448.0               | 1.22               | 86.34                  |
| 61.0-62.0 | 63.5                   | 6.1             | 454.1               | 1.18               | 87.52                  |
| 62.0-63.0 | 59.9                   | 5.8             | 459.9               | 1.12               | 88.64                  |
| 63.0-64.0 | 56.1                   | 5.5             | 465.4               | 1.06               | 89.70                  |
| 64.0-65.0 | 52.9                   | 5.2             | 470.6               | 1.01               | 90.71                  |
| 65.0-66.0 | 49.6                   | 4.9             | 475.6               | 0.95               | 91.66                  |
| 66.0-67.0 | 45.5                   | 4.6             | 480.2               | 0.88               | 92.55                  |
| 67.0-68.0 | 41.9                   | 4.2             | 484.4               | 0.82               | 93.36                  |
| 68.0-69.0 | 38.1                   | 3.9             | 488.3               | 0.75               | 94.11                  |
| 69.0-70.0 | 35.2                   | 3.6             | 491.9               | 0.70               | 94.81                  |
| 70.0-71.0 | 33.0                   | 3.4             | 495.3               | 0.66               | 95.47                  |
| 71.0-72.0 | 29.7                   | 3.1             | 498.4               | 0.59               | 96.06                  |

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    | 26.7                      | 2.8                | 501.2                  | 0.54                  | 96.60                     |
| 73.0-74.0    | 24.0                      | 2.5                | 503.7                  | 0.49                  | 97.08                     |
| 74.0-75.0    | 21.3                      | 2.3                | 506.0                  | 0.43                  | 97.52                     |
| 75.0-76.0    | 18.9                      | 2.0                | 508.0                  | 0.39                  | 97.91                     |
| 76.0-77.0    | 16.1                      | 1.7                | 509.7                  | 0.33                  | 98.24                     |
| 77.0-78.0    | 13.6                      | 1.5                | 511.1                  | 0.28                  | 98.52                     |
| 78.0-79.0    | 11.3                      | 1.2                | 512.4                  | 0.23                  | 98.75                     |
| 79.0-80.0    | 9.6                       | 1.0                | 513.4                  | 0.20                  | 98.95                     |
| 80.0-81.0    | 7.9                       | 0.9                | 514.3                  | 0.17                  | 99.12                     |
| 81.0-82.0    | 5.7                       | 0.6                | 514.9                  | 0.12                  | 99.23                     |
| 82.0-83.0    | 3.7                       | 0.4                | 515.3                  | 0.08                  | 99.31                     |
| 83.0-84.0    | 2.8                       | 0.3                | 515.6                  | 0.06                  | 99.37                     |
| 84.0-85.0    | 1.8                       | 0.2                | 515.8                  | 0.04                  | 99.41                     |
| 85.0-86.0    | 1.1                       | 0.1                | 515.9                  | 0.02                  | 99.43                     |
| 86.0-87.0    | 0.8                       | 0.1                | 516.0                  | 0.02                  | 99.45                     |
| 87.0-88.0    | 0.4                       | 0.0                | 516.0                  | 0.01                  | 99.46                     |
| 88.0-89.0    | 0.3                       | 0.0                | 516.1                  | 0.01                  | 99.46                     |
| 89.0-90.0    | 0.2                       | 0.0                | 516.1                  | 0.00                  | 99.47                     |
| 90.0-91.0    | 0.2                       | 0.0                | 516.1                  | 0.00                  | 99.47                     |
| 91.0-92.0    | 0.2                       | 0.0                | 516.1                  | 0.00                  | 99.47                     |
| 92.0-93.0    | 0.2                       | 0.0                | 516.1                  | 0.00                  | 99.48                     |
| 93.0-94.0    | 0.2                       | 0.0                | 516.2                  | 0.00                  | 99.48                     |
| 94.0-95.0    | 0.1                       | 0.0                | 516.2                  | 0.00                  | 99.48                     |
| 95.0-96.0    | 0.1                       | 0.0                | 516.2                  | 0.00                  | 99.49                     |
| 96.0-97.0    | 0.1                       | 0.0                | 516.2                  | 0.00                  | 99.49                     |
| 97.0-98.0    | 0.1                       | 0.0                | 516.2                  | 0.00                  | 99.49                     |
| 98.0-99.0    | 0.1                       | 0.0                | 516.2                  | 0.00                  | 99.49                     |
| 99.0-100.0   | 0.1                       | 0.0                | 516.2                  | 0.00                  | 99.50                     |
| 100.0-101.0  | 0.2                       | 0.0                | 516.2                  | 0.00                  | 99.50                     |
| 101.0-102.0  | 0.2                       | 0.0                | 516.3                  | 0.00                  | 99.50                     |
| 102.0-103.0  | 0.1                       | 0.0                | 516.3                  | 0.00                  | 99.51                     |
| 103.0-104.0  | 0.2                       | 0.0                | 516.3                  | 0.00                  | 99.51                     |
| 104.0-105.0  | 0.3                       | 0.0                | 516.3                  | 0.01                  | 99.52                     |
| 105.0-106.0  | 0.2                       | 0.0                | 516.4                  | 0.00                  | 99.52                     |
| 106.0-107.0  | 0.1                       | 0.0                | 516.4                  | 0.00                  | 99.52                     |
| 107.0-108.0  | 0.1                       | 0.0                | 516.4                  | 0.00                  | 99.52                     |

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  | 0.1                       | 0.0                | 516.4                  | 0.00                  | 99.52                     |
| 109.0-110.0  | 0.1                       | 0.0                | 516.4                  | 0.00                  | 99.53                     |
| 110.0-111.0  | 0.1                       | 0.0                | 516.4                  | 0.00                  | 99.53                     |
| 111.0-112.0  | 0.2                       | 0.0                | 516.4                  | 0.00                  | 99.53                     |
| 112.0-113.0  | 0.4                       | 0.0                | 516.5                  | 0.01                  | 99.54                     |
| 113.0-114.0  | 0.3                       | 0.0                | 516.5                  | 0.01                  | 99.55                     |
| 114.0-115.0  | 0.2                       | 0.0                | 516.5                  | 0.00                  | 99.55                     |
| 115.0-116.0  | 0.3                       | 0.0                | 516.5                  | 0.01                  | 99.56                     |
| 116.0-117.0  | 0.2                       | 0.0                | 516.6                  | 0.00                  | 99.56                     |
| 117.0-118.0  | 0.1                       | 0.0                | 516.6                  | 0.00                  | 99.56                     |
| 118.0-119.0  | 0.3                       | 0.0                | 516.6                  | 0.01                  | 99.57                     |
| 119.0-120.0  | 0.3                       | 0.0                | 516.6                  | 0.01                  | 99.57                     |
| 120.0-121.0  | 0.4                       | 0.0                | 516.7                  | 0.01                  | 99.58                     |
| 121.0-122.0  | 0.6                       | 0.1                | 516.7                  | 0.01                  | 99.59                     |
| 122.0-123.0  | 0.6                       | 0.1                | 516.8                  | 0.01                  | 99.60                     |
| 123.0-124.0  | 0.4                       | 0.0                | 516.8                  | 0.01                  | 99.61                     |
| 124.0-125.0  | 0.4                       | 0.0                | 516.9                  | 0.01                  | 99.62                     |
| 125.0-126.0  | 0.8                       | 0.1                | 516.9                  | 0.01                  | 99.63                     |
| 126.0-127.0  | 0.9                       | 0.1                | 517.0                  | 0.02                  | 99.65                     |
| 127.0-128.0  | 0.9                       | 0.1                | 517.1                  | 0.02                  | 99.66                     |
| 128.0-129.0  | 0.9                       | 0.1                | 517.2                  | 0.01                  | 99.68                     |
| 129.0-130.0  | 0.5                       | 0.0                | 517.2                  | 0.01                  | 99.68                     |
| 130.0-131.0  | 0.6                       | 0.0                | 517.3                  | 0.01                  | 99.69                     |
| 131.0-132.0  | 0.8                       | 0.1                | 517.3                  | 0.01                  | 99.71                     |
| 132.0-133.0  | 0.7                       | 0.1                | 517.4                  | 0.01                  | 99.72                     |
| 133.0-134.0  | 0.6                       | 0.0                | 517.4                  | 0.01                  | 99.73                     |
| 134.0-135.0  | 0.8                       | 0.1                | 517.5                  | 0.01                  | 99.74                     |
| 135.0-136.0  | 0.8                       | 0.1                | 517.6                  | 0.01                  | 99.75                     |
| 136.0-137.0  | 0.4                       | 0.0                | 517.6                  | 0.01                  | 99.76                     |
| 137.0-138.0  | 0.4                       | 0.0                | 517.6                  | 0.01                  | 99.76                     |
| 138.0-139.0  | 0.4                       | 0.0                | 517.6                  | 0.01                  | 99.77                     |
| 139.0-140.0  | 0.3                       | 0.0                | 517.7                  | 0.00                  | 99.77                     |
| 140.0-141.0  | 0.5                       | 0.0                | 517.7                  | 0.01                  | 99.78                     |
| 141.0-142.0  | 0.4                       | 0.0                | 517.7                  | 0.01                  | 99.78                     |
| 142.0-143.0  | 0.5                       | 0.0                | 517.8                  | 0.01                  | 99.79                     |
| 143.0-144.0  | 0.6                       | 0.0                | 517.8                  | 0.01                  | 99.80                     |

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  | 0.5                       | 0.0                | 517.8                  | 0.01                  | 99.81                     |
| 145.0-146.0  | 0.8                       | 0.0                | 517.9                  | 0.01                  | 99.81                     |
| 146.0-147.0  | 0.6                       | 0.0                | 517.9                  | 0.01                  | 99.82                     |
| 147.0-148.0  | 0.3                       | 0.0                | 517.9                  | 0.00                  | 99.83                     |
| 148.0-149.0  | 0.7                       | 0.0                | 518.0                  | 0.01                  | 99.83                     |
| 149.0-150.0  | 0.8                       | 0.0                | 518.0                  | 0.01                  | 99.84                     |
| 150.0-151.0  | 0.6                       | 0.0                | 518.1                  | 0.01                  | 99.85                     |
| 151.0-152.0  | 0.8                       | 0.0                | 518.1                  | 0.01                  | 99.86                     |
| 152.0-153.0  | 1.0                       | 0.0                | 518.1                  | 0.01                  | 99.86                     |
| 153.0-154.0  | 1.2                       | 0.1                | 518.2                  | 0.01                  | 99.88                     |
| 154.0-155.0  | 1.1                       | 0.1                | 518.3                  | 0.01                  | 99.89                     |
| 155.0-156.0  | 1.2                       | 0.1                | 518.3                  | 0.01                  | 99.90                     |
| 156.0-157.0  | 0.8                       | 0.0                | 518.3                  | 0.01                  | 99.90                     |
| 157.0-158.0  | 0.1                       | 0.0                | 518.3                  | 0.00                  | 99.90                     |
| 158.0-159.0  | 0.7                       | 0.0                | 518.4                  | 0.01                  | 99.91                     |
| 159.0-160.0  | 1.5                       | 0.1                | 518.4                  | 0.01                  | 99.92                     |
| 160.0-161.0  | 1.1                       | 0.0                | 518.5                  | 0.01                  | 99.93                     |
| 161.0-162.0  | 0.6                       | 0.0                | 518.5                  | 0.00                  | 99.93                     |
| 162.0-163.0  | 1.1                       | 0.0                | 518.5                  | 0.01                  | 99.94                     |
| 163.0-164.0  | 0.9                       | 0.0                | 518.6                  | 0.01                  | 99.94                     |
| 164.0-165.0  | 1.2                       | 0.0                | 518.6                  | 0.01                  | 99.95                     |
| 165.0-166.0  | 2.1                       | 0.1                | 518.6                  | 0.01                  | 99.96                     |
| 166.0-167.0  | 1.3                       | 0.0                | 518.7                  | 0.01                  | 99.97                     |
| 167.0-168.0  | 0.8                       | 0.0                | 518.7                  | 0.00                  | 99.97                     |
| 168.0-169.0  | 1.4                       | 0.0                | 518.7                  | 0.01                  | 99.98                     |
| 169.0-170.0  | 1.5                       | 0.0                | 518.8                  | 0.01                  | 99.98                     |
| 170.0-171.0  | 1.3                       | 0.0                | 518.8                  | 0.00                  | 99.99                     |
| 171.0-172.0  | 1.1                       | 0.0                | 518.8                  | 0.00                  | 99.99                     |
| 172.0-173.0  | 0.7                       | 0.0                | 518.8                  | 0.00                  | 99.99                     |
| 173.0-174.0  | 0.3                       | 0.0                | 518.8                  | 0.00                  | 99.99                     |
| 174.0-175.0  | 0.8                       | 0.0                | 518.8                  | 0.00                  | 100.00                    |
| 175.0-176.0  | 1.0                       | 0.0                | 518.8                  | 0.00                  | 100.00                    |
| 176.0-177.0  | 0.7                       | 0.0                | 518.8                  | 0.00                  | 100.00                    |
| 177.0-178.0  | 0.9                       | 0.0                | 518.8                  | 0.00                  | 100.00                    |
| 178.0-179.0  | 1.1                       | 0.0                | 518.8                  | 0.00                  | 100.00                    |
| 179.0-180.0  | 0.9                       | 0.0                | 518.8                  | 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  | 209.8 | 209.9 | 208.5 | 208.0  | 209.8  | 209.9  | 208.5  | 208.0  | 209.8  |  |
| G1.0  | 209.8 | 207.1 | 205.9 | 204.5  | 210.5  | 207.3  | 205.7  | 204.1  | 209.8  |  |
| G2.0  | 210.0 | 209.6 | 208.7 | 204.4  | 212.7  | 209.9  | 208.0  | 204.0  | 210.0  |  |
| G3.0  | 209.5 | 205.9 | 204.2 | 204.5  | 212.8  | 207.0  | 206.0  | 208.1  | 209.5  |  |
| G4.0  | 209.0 | 205.6 | 207.3 | 204.0  | 210.1  | 206.6  | 205.7  | 208.2  | 209.0  |  |
| G5.0  | 209.2 | 205.5 | 203.5 | 207.7  | 210.0  | 207.0  | 206.6  | 207.7  | 209.2  |  |
| G6.0  | 208.7 | 208.3 | 207.7 | 206.9  | 209.4  | 209.0  | 206.0  | 207.4  | 208.7  |  |
| G7.0  | 208.9 | 207.8 | 207.6 | 202.8  | 209.3  | 209.0  | 205.5  | 206.6  | 208.9  |  |
| G8.0  | 208.2 | 207.4 | 202.5 | 206.7  | 211.9  | 206.5  | 204.7  | 205.8  | 208.2  |  |
| G9.0  | 206.1 | 202.6 | 202.1 | 205.6  | 211.8  | 205.0  | 205.1  | 205.2  | 206.1  |  |
| G10.0 | 205.3 | 205.5 | 201.8 | 201.5  | 211.1  | 207.0  | 204.2  | 200.0  | 205.3  |  |
| G11.0 | 206.1 | 201.8 | 205.2 | 204.4  | 207.5  | 206.4  | 201.3  | 199.3  | 206.1  |  |
| G12.0 | 205.1 | 204.2 | 200.1 | 204.4  | 209.4  | 204.2  | 201.0  | 202.6  | 205.1  |  |
| G13.0 | 202.8 | 202.9 | 202.6 | 203.2  | 208.6  | 203.3  | 202.8  | 200.9  | 202.8  |  |
| G14.0 | 202.5 | 198.5 | 198.6 | 199.2  | 204.4  | 203.3  | 202.6  | 196.4  | 202.5  |  |
| G15.0 | 200.7 | 197.2 | 200.8 | 198.2  | 207.9  | 202.7  | 201.3  | 199.4  | 200.7  |  |
| G16.0 | 200.5 | 196.4 | 199.4 | 199.6  | 207.0  | 201.3  | 196.4  | 198.4  | 200.5  |  |
| G17.0 | 199.5 | 195.1 | 196.1 | 196.0  | 206.4  | 200.2  | 199.5  | 193.9  | 199.5  |  |
| G18.0 | 197.7 | 197.2 | 194.5 | 194.6  | 200.9  | 198.5  | 194.4  | 192.6  | 197.7  |  |
| G19.0 | 196.4 | 192.8 | 195.0 | 193.0  | 200.1  | 197.6  | 193.0  | 195.7  | 196.4  |  |
| G20.0 | 193.2 | 195.1 | 193.0 | 192.4  | 202.1  | 196.0  | 195.7  | 190.2  | 193.2  |  |
| G21.0 | 192.2 | 193.3 | 190.6 | 191.0  | 200.2  | 194.4  | 194.7  | 192.2  | 192.2  |  |
| G22.0 | 190.8 | 188.0 | 188.9 | 189.5  | 194.9  | 191.8  | 189.6  | 191.2  | 190.8  |  |
| G23.0 | 189.4 | 186.1 | 187.3 | 187.8  | 193.5  | 190.2  | 188.0  | 185.6  | 189.4  |  |
| G24.0 | 187.1 | 187.1 | 185.8 | 185.9  | 191.8  | 189.1  | 186.8  | 183.9  | 187.1  |  |
| G25.0 | 185.1 | 185.7 | 182.8 | 183.4  | 189.9  | 185.6  | 184.7  | 181.8  | 185.1  |  |
| G26.0 | 182.6 | 179.6 | 182.5 | 182.1  | 187.9  | 183.2  | 183.4  | 183.9  | 182.6  |  |
| G27.0 | 180.0 | 179.6 | 181.2 | 180.2  | 185.6  | 183.4  | 181.5  | 177.7  | 180.0  |  |
| G28.0 | 176.8 | 173.7 | 176.1 | 177.0  | 187.4  | 182.2  | 181.2  | 178.3  | 176.8  |  |
| G29.0 | 174.7 | 174.7 | 173.4 | 175.2  | 185.3  | 179.5  | 177.2  | 175.8  | 174.7  |  |
| G30.0 | 172.7 | 171.2 | 170.5 | 173.6  | 179.2  | 174.6  | 176.3  | 170.1  | 172.7  |  |
| G31.0 | 170.8 | 169.1 | 168.6 | 170.6  | 176.8  | 174.4  | 173.2  | 167.7  | 170.8  |  |
| G32.0 | 166.2 | 166.9 | 166.3 | 168.3  | 178.8  | 167.8  | 169.4  | 167.6  | 166.2  |  |
| G33.0 | 163.0 | 162.1 | 167.3 | 165.4  | 176.8  | 165.3  | 167.6  | 164.8  | 163.0  |  |
| G34.0 | 161.6 | 159.9 | 160.6 | 160.9  | 173.8  | 165.0  | 165.8  | 162.0  | 161.6  |  |
| G35.0 | 158.6 | 157.5 | 162.5 | 158.7  | 170.9  | 158.7  | 162.4  | 158.9  | 158.6  |  |
| G36.0 | 155.6 | 154.3 | 155.8 | 157.4  | 168.9  | 156.0  | 160.1  | 154.3  | 155.6  |  |

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 | 151.1 | 151.3 | 157.2 | 152.2  | 165.3  | 156.5  | 157.8  | 151.1  | 151.1  |  |
| G38.0 | 147.1 | 149.1 | 150.4 | 149.6  | 158.3  | 149.0  | 153.9  | 147.9  | 147.1  |  |
| G39.0 | 144.2 | 146.3 | 151.7 | 147.2  | 159.5  | 150.7  | 149.8  | 147.0  | 144.2  |  |
| G40.0 | 143.7 | 143.6 | 148.4 | 147.9  | 156.9  | 147.8  | 146.6  | 144.3  | 143.7  |  |
| G41.0 | 137.6 | 141.5 | 145.0 | 144.6  | 150.3  | 145.0  | 144.7  | 139.7  | 137.6  |  |
| G42.0 | 133.3 | 138.2 | 138.1 | 142.0  | 151.8  | 138.7  | 141.8  | 136.9  | 133.3  |  |
| G43.0 | 130.1 | 135.3 | 134.1 | 139.1  | 143.9  | 140.5  | 138.9  | 134.6  | 130.1  |  |
| G44.0 | 125.9 | 131.8 | 133.4 | 136.1  | 140.6  | 133.8  | 135.1  | 132.7  | 125.9  |  |
| G45.0 | 125.7 | 127.9 | 126.6 | 133.4  | 140.9  | 134.6  | 130.8  | 128.3  | 125.7  |  |
| G46.0 | 117.8 | 123.3 | 125.5 | 125.9  | 137.2  | 128.3  | 127.0  | 125.7  | 117.8  |  |
| G47.0 | 117.4 | 120.2 | 121.5 | 121.9  | 133.8  | 129.5  | 124.7  | 123.2  | 117.4  |  |
| G48.0 | 113.5 | 114.7 | 116.8 | 117.9  | 125.3  | 126.5  | 119.2  | 119.7  | 113.5  |  |
| G49.0 | 109.2 | 109.8 | 112.8 | 118.3  | 120.9  | 123.3  | 115.4  | 115.5  | 109.2  |  |
| G50.0 | 100.9 | 104.3 | 108.5 | 114.1  | 121.7  | 115.9  | 112.9  | 112.1  | 100.9  |  |
| G51.0 | 100.9 | 100.3 | 104.8 | 105.0  | 117.5  | 112.0  | 109.1  | 107.4  | 100.9  |  |
| G52.0 | 96.8  | 92.3  | 101.0 | 103.3  | 114.0  | 110.9  | 105.0  | 103.6  | 96.8   |  |
| G53.0 | 88.6  | 86.2  | 95.9  | 94.3   | 105.4  | 102.7  | 99.5   | 97.6   | 88.6   |  |
| G54.0 | 89.0  | 81.4  | 93.4  | 88.5   | 101.3  | 96.8   | 96.4   | 92.0   | 89.0   |  |
| G55.0 | 80.6  | 76.8  | 88.9  | 83.8   | 101.1  | 90.9   | 91.3   | 86.0   | 80.6   |  |
| G56.0 | 81.0  | 72.9  | 82.9  | 79.6   | 96.7   | 87.7   | 87.3   | 80.3   | 81.0   |  |
| G57.0 | 73.1  | 69.0  | 81.6  | 78.2   | 92.5   | 80.0   | 83.4   | 77.3   | 73.1   |  |
| G58.0 | 73.7  | 65.8  | 74.9  | 72.1   | 88.6   | 77.3   | 79.3   | 73.3   | 73.7   |  |
| G59.0 | 70.6  | 66.0  | 74.4  | 70.6   | 80.7   | 73.1   | 75.2   | 69.6   | 70.6   |  |
| G60.0 | 63.8  | 58.8  | 71.4  | 65.1   | 77.0   | 68.4   | 71.3   | 66.3   | 63.8   |  |
| G61.0 | 61.4  | 59.5  | 68.0  | 63.2   | 77.2   | 65.7   | 68.1   | 60.2   | 61.4   |  |
| G62.0 | 62.1  | 56.4  | 61.0  | 59.7   | 69.7   | 62.2   | 65.0   | 56.8   | 62.1   |  |
| G63.0 | 53.6  | 53.3  | 61.0  | 56.1   | 66.7   | 58.7   | 62.3   | 53.4   | 53.6   |  |
| G64.0 | 49.0  | 45.9  | 52.2  | 52.4   | 68.1   | 55.1   | 59.2   | 50.1   | 49.0   |  |
| G65.0 | 45.1  | 47.0  | 51.5  | 49.3   | 64.9   | 52.0   | 54.8   | 50.3   | 45.1   |  |
| G66.0 | 41.9  | 40.0  | 47.7  | 45.9   | 60.8   | 48.7   | 49.6   | 43.6   | 41.9   |  |
| G67.0 | 42.3  | 37.1  | 44.2  | 42.7   | 52.1   | 45.5   | 42.7   | 44.2   | 42.3   |  |
| G68.0 | 39.3  | 34.4  | 36.5  | 39.7   | 48.0   | 42.2   | 38.8   | 41.3   | 39.3   |  |
| G69.0 | 33.0  | 31.6  | 37.2  | 36.4   | 44.3   | 37.7   | 35.1   | 34.2   | 33.0   |  |
| G70.0 | 33.3  | 32.7  | 29.9  | 33.5   | 44.7   | 36.5   | 31.5   | 31.2   | 33.3   |  |
| G71.0 | 27.5  | 29.9  | 26.6  | 32.3   | 41.4   | 33.6   | 30.9   | 32.3   | 27.5   |  |
| G72.0 | 25.0  | 24.0  | 23.6  | 27.6   | 34.9   | 30.7   | 24.6   | 29.5   | 25.0   |  |
| G73.0 | 25.3  | 24.6  | 23.9  | 24.8   | 32.0   | 25.5   | 24.4   | 26.5   | 25.3   |  |

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  | 22.9 | 22.0  | 17.8  | 24.7   | 29.1   | 22.6   | 18.0   | 19.5   | 22.9   |  |
| G75.0  | 20.4 | 19.4  | 18.0  | 22.2   | 29.7   | 19.8   | 14.7   | 20.8   | 20.4   |  |
| G76.0  | 18.1 | 17.0  | 15.1  | 16.8   | 27.0   | 17.2   | 12.0   | 14.1   | 18.1   |  |
| G77.0  | 16.0 | 13.1  | 10.3  | 17.5   | 24.5   | 14.6   | 13.0   | 11.3   | 16.0   |  |
| G78.0  | 11.6 | 12.2  | 8.1   | 15.2   | 18.9   | 11.9   | 10.5   | 8.9    | 11.6   |  |
| G79.0  | 9.9  | 9.2   | 7.4   | 9.2    | 16.6   | 13.3   | 8.3    | 10.0   | 9.9    |  |
| G80.0  | 8.2  | 7.4   | 4.2   | 10.7   | 14.4   | 11.2   | 6.3    | 7.3    | 8.2    |  |
| G81.0  | 8.1  | 5.5   | 3.7   | 8.6    | 12.2   | 9.2    | 4.7    | 5.3    | 8.1    |  |
| G82.0  | 6.6  | 3.5   | 1.6   | 2.7    | 12.8   | 3.3    | 0.0    | 3.3    | 6.6    |  |
| G83.0  | 5.0  | 2.8   | 0.6   | 4.9    | 10.9   | 1.5    | 0.0    | 0.0    | 5.0    |  |
| G84.0  | 3.6  | 0.1   | 0.0   | 3.7    | 6.8    | 4.2    | 0.0    | 0.0    | 3.6    |  |
| G85.0  | 2.2  | 0.7   | 0.0   | 0.0    | 7.2    | 0.0    | 0.0    | 0.0    | 2.2    |  |
| G86.0  | 0.9  | 0.1   | 0.0   | 0.0    | 5.7    | 0.0    | 0.8    | 0.0    | 0.9    |  |
| G87.0  | 0.0  | 0.0   | 0.0   | 1.2    | 2.3    | 1.3    | 0.0    | 0.0    | 0.0    |  |
| G88.0  | 0.0  | 0.0   | 0.0   | 0.0    | 2.3    | 0.0    | 0.0    | 0.0    | 0.0    |  |
| G89.0  | 0.0  | 0.0   | 0.0   | 1.0    | 0.0    | 0.8    | 0.0    | 0.0    | 0.0    |  |
| G90.0  | 0.0  | 0.5   | 0.0   | 0.8    | 0.1    | 0.0    | 0.6    | 0.0    | 0.0    |  |
| G91.0  | 0.0  | 0.0   | 0.0   | 0.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |  |
| G92.0  | 0.0  | 0.0   | 0.1   | 0.8    | 0.0    | 0.5    | 0.4    | 0.0    | 0.0    |  |
| G93.0  | 0.0  | 0.0   | 0.0   | 0.0    | 0.0    | 0.5    | 0.3    | 0.0    | 0.0    |  |
| G94.0  | 0.0  | 0.9   | 0.4   | 0.0    | 0.0    | 0.3    | 0.2    | 0.0    | 0.0    |  |
| G95.0  | 0.0  | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |  |
| G96.0  | 0.0  | 1.0   | 0.5   | 0.0    | 0.0    | 0.1    | 0.0    | 0.0    | 0.0    |  |
| G97.0  | 0.0  | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |  |
| G98.0  | 0.0  | 1.0   | 0.0   | 0.4    | 0.0    | 0.0    | 0.0    | 0.4    | 0.0    |  |
| G99.0  | 0.0  | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |  |
| G100.0 | 0.0  | 0.9   | 0.9   | 0.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |  |
| G101.0 | 0.0  | 0.0   | 0.0   | 0.3    | 0.0    | 0.0    | 0.0    | 0.9    | 0.0    |  |
| G102.0 | 0.0  | 0.9   | 1.0   | 0.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |  |
| G103.0 | 0.0  | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |  |
| G104.0 | 0.0  | 0.6   | 1.1   | 0.0    | 0.0    | 0.0    | 0.0    | 1.1    | 0.0    |  |
| G105.0 | 0.0  | 0.4   | 1.1   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |  |
| G106.0 | 0.1  | 0.4   | 1.1   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.1    |  |
| G107.0 | 0.0  | 0.2   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |  |
| G108.0 | 0.0  | 0.0   | 0.0   | 0.0    | 0.1    | 0.0    | 0.0    | 1.0    | 0.0    |  |
| G109.0 | 0.0  | 0.0   | 0.0   | 0.0    | 0.3    | 0.0    | 0.0    | 0.0    | 0.0    |  |
| G110.0 | 0.6  | 0.0   | 0.9   | 0.0    | 0.0    | 0.2    | 0.0    | 0.0    | 0.6    |  |

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    | 0.5    | 0.0    | 0.0    | 0.0    | 0.0    |  |
| G112.0 | 0.6  | 0.0   | 0.7   | 0.0    | 0.6    | 0.0    | 0.2    | 0.7    | 0.6    |  |
| G113.0 | 0.9  | 0.0   | 0.5   | 0.0    | 0.7    | 0.8    | 0.2    | 0.0    | 0.9    |  |
| G114.0 | 0.0  | 0.0   | 0.6   | 0.0    | 0.0    | 0.9    | 0.0    | 0.0    | 0.0    |  |
| G115.0 | 1.0  | 0.0   | 0.4   | 0.0    | 0.0    | 1.0    | 0.0    | 0.0    | 1.0    |  |
| G116.0 | 0.0  | 0.0   | 0.1   | 0.0    | 0.0    | 1.2    | 0.8    | 0.1    | 0.0    |  |
| G117.0 | 0.0  | 0.5   | 0.2   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |  |
| G118.0 | 0.0  | 0.7   | 0.0   | 0.0    | 0.0    | 0.0    | 1.0    | 0.0    | 0.0    |  |
| G119.0 | 1.5  | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 1.1    | 0.0    | 1.5    |  |
| G120.0 | 0.0  | 0.0   | 0.0   | 0.0    | 0.0    | 1.5    | 1.2    | 0.0    | 0.0    |  |
| G121.0 | 0.0  | 0.0   | 0.0   | 0.1    | 1.5    | 1.5    | 1.3    | 0.0    | 0.0    |  |
| G122.0 | 0.0  | 1.4   | 0.0   | 0.1    | 1.5    | 1.5    | 1.5    | 0.0    | 0.0    |  |
| G123.0 | 0.0  | 0.0   | 0.0   | 0.1    | 0.0    | 1.5    | 1.5    | 0.0    | 0.0    |  |
| G124.0 | 0.0  | 0.0   | 0.2   | 0.2    | 0.0    | 0.0    | 1.6    | 0.6    | 0.0    |  |
| G125.0 | 0.0  | 1.5   | 0.0   | 0.3    | 0.0    | 0.0    | 1.7    | 0.0    | 0.0    |  |
| G126.0 | 1.8  | 1.8   | 0.6   | 0.3    | 1.5    | 1.5    | 1.7    | 0.0    | 1.8    |  |
| G127.0 | 0.0  | 1.8   | 0.0   | 0.4    | 1.7    | 1.4    | 0.0    | 0.0    | 0.0    |  |
| G128.0 | 1.8  | 1.9   | 1.0   | 0.5    | 0.0    | 1.4    | 1.8    | 1.4    | 1.8    |  |
| G129.0 | 1.6  | 1.9   | 0.0   | 0.6    | 0.0    | 0.0    | 0.0    | 0.0    | 1.6    |  |
| G130.0 | 0.0  | 1.9   | 1.2   | 0.7    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |  |
| G131.0 | 1.6  | 1.9   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 1.8    | 1.6    |  |
| G132.0 | 1.5  | 0.0   | 1.6   | 0.9    | 1.5    | 0.9    | 1.8    | 0.0    | 1.5    |  |
| G133.0 | 0.0  | 0.0   | 1.8   | 0.0    | 0.0    | 0.0    | 0.0    | 1.9    | 0.0    |  |
| G134.0 | 1.4  | 0.0   | 0.0   | 0.9    | 1.6    | 0.0    | 0.0    | 1.9    | 1.4    |  |
| G135.0 | 1.2  | 1.8   | 0.0   | 0.0    | 0.0    | 0.0    | 1.6    | 1.9    | 1.2    |  |
| G136.0 | 0.0  | 1.8   | 0.0   | 1.2    | 1.6    | 0.0    | 1.5    | 0.0    | 0.0    |  |
| G137.0 | 1.0  | 0.0   | 0.0   | 0.0    | 0.0    | 0.1    | 0.0    | 0.0    | 1.0    |  |
| G138.0 | 0.9  | 1.6   | 0.0   | 1.4    | 0.0    | 0.0    | 1.3    | 0.0    | 0.9    |  |
| G139.0 | 0.7  | 0.0   | 0.0   | 0.0    | 0.0    | 0.2    | 0.0    | 0.0    | 0.7    |  |
| G140.0 | 0.0  | 1.4   | 0.0   | 1.6    | 0.0    | 0.0    | 0.0    | 1.5    | 0.0    |  |
| G141.0 | 0.4  | 0.0   | 0.0   | 1.7    | 1.3    | 0.0    | 0.0    | 0.0    | 0.4    |  |
| G142.0 | 0.2  | 0.0   | 2.1   | 0.0    | 0.0    | 1.0    | 0.0    | 0.0    | 0.2    |  |
| G143.0 | 0.3  | 1.2   | 2.0   | 0.0    | 0.0    | 0.0    | 0.7    | 1.0    | 0.3    |  |
| G144.0 | 0.0  | 1.1   | 0.0   | 1.9    | 1.4    | 0.0    | 0.0    | 0.0    | 0.0    |  |
| G145.0 | 0.0  | 0.0   | 0.0   | 1.9    | 1.4    | 0.0    | 0.0    | 0.6    | 0.0    |  |
| G146.0 | 0.0  | 0.9   | 1.7   | 2.0    | 1.4    | 1.7    | 0.3    | 0.4    | 0.0    |  |
| G147.0 | 1.2  | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.2    | 0.0    | 1.2    |  |

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