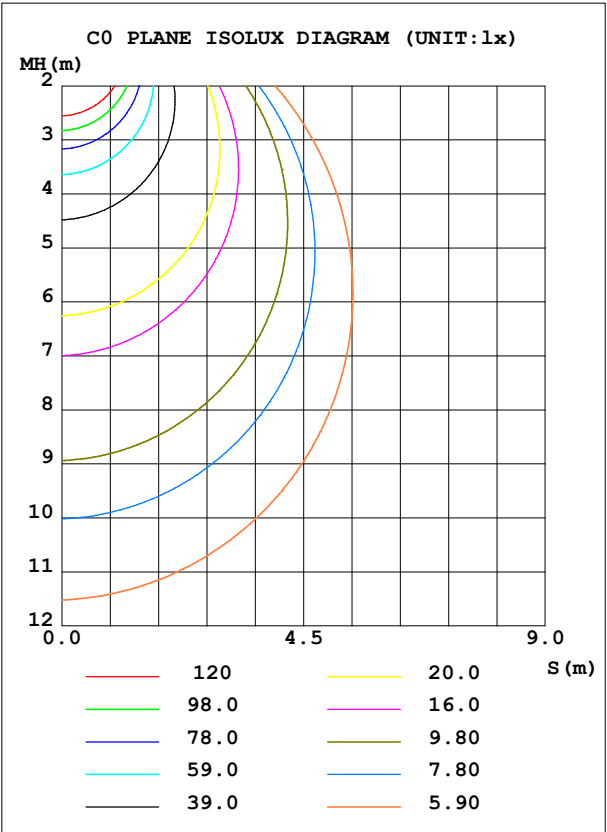
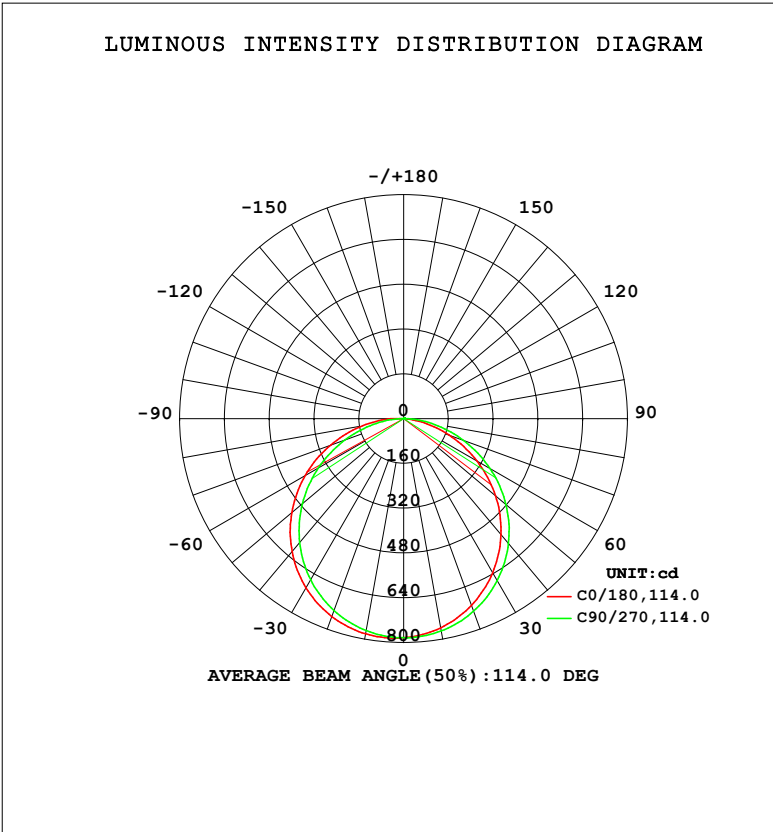


LUMINAIRE PHOTOMETRIC TEST REPORT

|                                                                                     |             |                   |
|-------------------------------------------------------------------------------------|-------------|-------------------|
| Test:U:119.97V I:0.1970A P:23.259W PF:0.9844 Freq:59.98Hz<br>Lamp Flux:2303.06x1 lm |             |                   |
| NAME:                                                                               | TYPE:       | WEIGHT:           |
| SPEC.:                                                                              | DIM.:       | SERIAL No.: 5000K |
| MFR.:                                                                               | SUR.: 0.296 | Shielding Angle:  |

| DATA OF LAMP     |                     | PHOTOMETRIC DATA      |        |                   |          | Eff: 99.02 lm/W |
|------------------|---------------------|-----------------------|--------|-------------------|----------|-----------------|
| MODEL            | BRMF12LAJD4WH_5000K | I <sub>max</sub> (cd) | 785.3  | S/MH(C0/180)      | 1.32     |                 |
| NOMINAL POWER(W) | 24                  | LOR(%)                | 100.0  | S/MH(C90/270)     | 1.26     |                 |
| RATED VOLTAGE(V) | 120                 | TOTAL FLUX(lm)        | 2303.1 | η UP,DN(C0-180)   | 0.1,47.1 |                 |
| NOMINAL FLUX(lm) | 2303.06             | CIE CLASS             | DIRECT | η UP,DN(C180-360) | 0.2,52.6 |                 |
| LAMPS INSIDE     | 1                   | η up (%)              | 0.3    | CIBSE SHR NOM     | 1.25     |                 |
| TEST VOLTAGE(V)  | 120                 | η down (%)            | 99.7   | CIBSE SHR MAX     | 1.35     |                 |



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2025-12-05

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.454  
 Humidity:65.0%  
 Test Distance:8.800m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

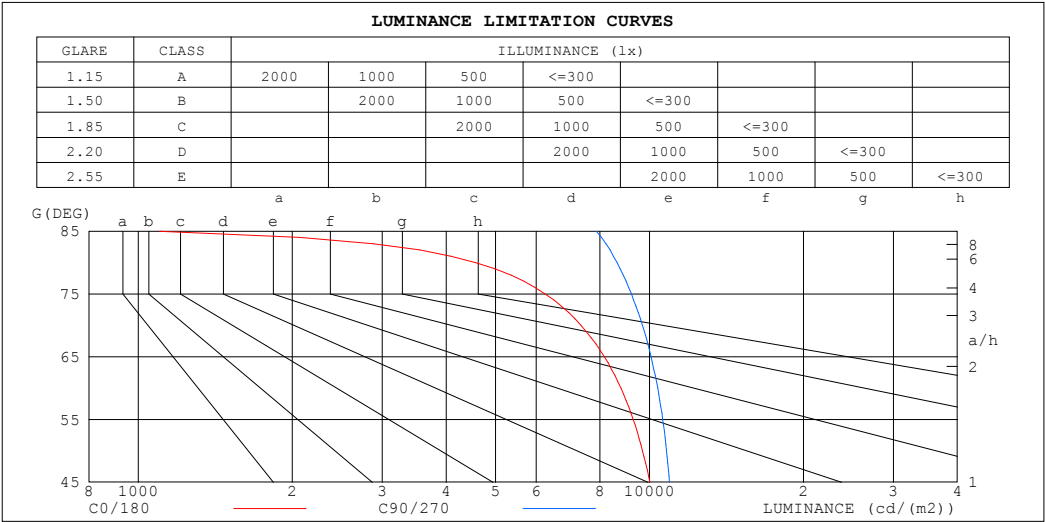
| $\gamma$ | C0                    | C90    | C180   | C270   |  |  |  |  | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|--------|--------|--------|--|--|--|--|----------|-------------|--------------|------------|
| 10       | 759.2                 | 770.3  | 780.4  | 769.4  |  |  |  |  | 0- 10    | 74.11       | 74.11        | 3.22,3.22  |
| 20       | 709.4                 | 731.7  | 751.9  | 729.3  |  |  |  |  | 10- 20   | 212.7       | 286.8        | 12.5,12.5  |
| 30       | 636.2                 | 668.4  | 698.2  | 665.0  |  |  |  |  | 20- 30   | 323.4       | 610.2        | 26.5,26.5  |
| 40       | 541.0                 | 582.5  | 620.4  | 578.4  |  |  |  |  | 30- 40   | 391.8       | 1002         | 43.5,43.5  |
| 50       | 428.5                 | 477.3  | 521.9  | 472.3  |  |  |  |  | 40- 50   | 408.7       | 1411         | 61.3,61.3  |
| 60       | 302.5                 | 356.9  | 406.1  | 351.1  |  |  |  |  | 50- 60   | 371.7       | 1782         | 77.4,77.4  |
| 70       | 172.8                 | 228.0  | 278.2  | 222.8  |  |  |  |  | 60- 70   | 287.0       | 2069         | 89.9,89.9  |
| 80       | 54.59                 | 103.3  | 149.4  | 98.95  |  |  |  |  | 70- 80   | 171.4       | 2241         | 97.3,97.3  |
| 90       | 0.2376                | 1.086  | 35.63  | 0.3275 |  |  |  |  | 80- 90   | 54.40       | 2295         | 99.7,99.7  |
| 100      | 0.3533                | 0.3096 | 0.2876 | 0.3424 |  |  |  |  | 90-100   | 2.121       | 2297         | 99.8,99.8  |
| 110      | 0.6407                | 0.5859 | 0.5362 | 0.6241 |  |  |  |  | 100-110  | 0.4803      | 2298         | 99.8,99.8  |
| 120      | 0.9281                | 0.8787 | 0.8457 | 0.9444 |  |  |  |  | 110-120  | 0.7419      | 2299         | 99.8,99.8  |
| 130      | 1.182                 | 1.144  | 1.172  | 1.254  |  |  |  |  | 120-130  | 0.9351      | 2300         | 99.8,99.8  |
| 140      | 1.392                 | 1.370  | 1.453  | 1.525  |  |  |  |  | 130-140  | 1.015       | 2301         | 99.9,99.9  |
| 150      | 1.585                 | 1.575  | 1.724  | 1.757  |  |  |  |  | 140-150  | 0.9689      | 2301         | 99.9,99.9  |
| 160      | 1.790                 | 1.768  | 1.945  | 1.956  |  |  |  |  | 150-160  | 0.8127      | 2302         | 100,100    |
| 170      | 1.972                 | 1.962  | 2.150  | 2.110  |  |  |  |  | 160-170  | 0.5523      | 2303         | 100,100    |
| 180      | 2.205                 | 2.166  | 2.210  | 2.177  |  |  |  |  | 170-180  | 0.2004      | 2303         | 100,100    |
| DEG      | LUMINOUS INTENSITY:cd |        |        |        |  |  |  |  |          | UNIT:lm     |              |            |

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2025-12-05

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.454  
 Humidity:65.0%  
 Test Distance:8.800m [K=1.0000]  
 Remarks:

LUMINANCE LIMITATION CURVES

|                                                                                     |             |                   |
|-------------------------------------------------------------------------------------|-------------|-------------------|
| Test:U:119.97V I:0.1970A P:23.259W PF:0.9844 Freq:59.98Hz<br>Lamp Flux:2303.06x1 lm |             |                   |
| NAME:                                                                               | TYPE:       | WEIGHT:           |
| SPEC.:                                                                              | DIM.:       | SERIAL No.: 5000K |
| MFR.:                                                                               | SUR.: 0.296 | Shielding Angle:  |



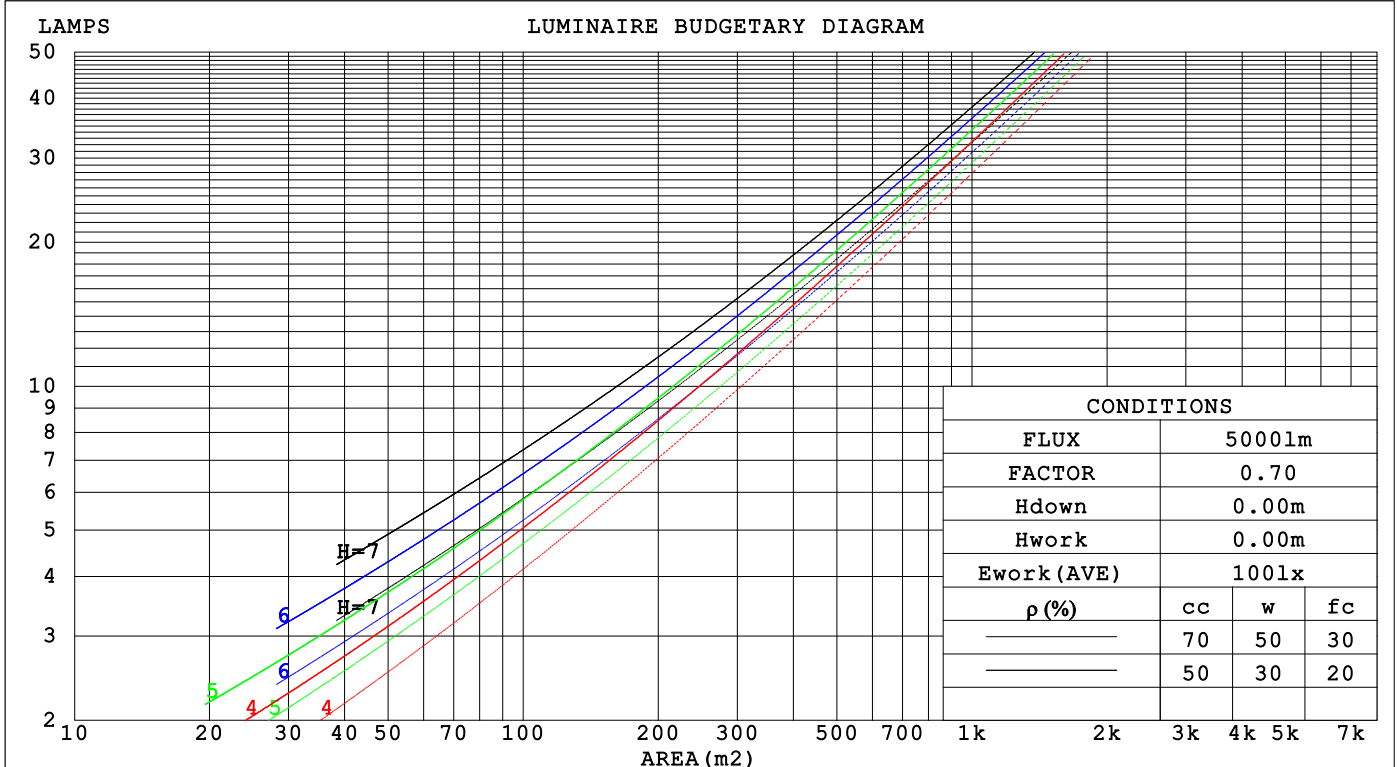
| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 1101   | 7871    |
| 80                | 4570   | 8645    |
| 75                | 6246   | 9217    |
| 70                | 7345   | 9689    |
| 65                | 8159   | 10066   |
| 60                | 8792   | 10375   |
| 55                | 9290   | 10611   |
| 50                | 9690   | 10793   |
| 45                | 10012  | 10939   |

|                      |                                                   |
|----------------------|---------------------------------------------------|
| C Range: 0 - 360DEG  | γ Range: 0 - 180DEG                               |
| C Interval: 90.0DEG  | γ Interval: 1.0DEG                                |
| Test Speed: HIGH     | Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454 |
| Temperature:25.3DEG  | Humidity:65.0%                                    |
| Operators:           | Test Distance:8.800m [K=1.0000]                   |
| Test Date:2025-12-05 | Remarks:                                          |

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                                     |             |                   |
|-------------------------------------------------------------------------------------|-------------|-------------------|
| Test:U:119.97V I:0.1970A P:23.259W PF:0.9844 Freq:59.98Hz<br>Lamp Flux:2303.06x1 lm |             |                   |
| NAME:                                                                               | TYPE:       | WEIGHT:           |
| SPEC.:                                                                              | DIM.:       | SERIAL No.: 5000K |
| MFR.:                                                                               | SUR.: 0.296 | Shielding Angle:  |

|                 |                       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |
|-----------------|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| pcc             | 80%                   |     |     | 70% |     |     | 50% |     |     | 30% |     |     | 10% |     |     | 0 |
| p <sub>w</sub>  | 50%                   | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| p <sub>fc</sub> | 20%                   |     |     | 20% |     |     | 20% |     |     | 20% |     |     | 20% |     |     | 0 |
| RCR             | RCR:Room Cavity Ratio |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2025-12-05

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.454  
Humidity:65.0%  
Test Distance:8.800m [K=1.0000]  
Remarks:

## WEC AND CCEC

|                                                                                     |  |             |  |                   |  |
|-------------------------------------------------------------------------------------|--|-------------|--|-------------------|--|
| Test:U:119.97V I:0.1970A P:23.259W PF:0.9844 Freq:59.98Hz<br>Lamp Flux:2303.06x1 lm |  |             |  |                   |  |
| NAME:                                                                               |  | TYPE:       |  | WEIGHT:           |  |
| SPEC.:                                                                              |  | DIM.:       |  | SERIAL No.: 5000K |  |
| MFR.:                                                                               |  | SUR.: 0.296 |  | Shielding Angle:  |  |

| pcc  | 80%                   |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0                               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| pw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0                               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| pfc  | 20%                   |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0                               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      |      |      |      |      |      |      |      |      |      | Wall Exitance Coefficients(WEC) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.0  |                       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1.0  | .318                  | .181 | .057 | .311 | .177 | .056 | .297 | .170 | .054 | .285 | .164 | .053 | .273 | .158 | .051 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2.0  | .297                  | .163 | .050 | .290 | .160 | .049 | .279 | .155 | .048 | .268 | .150 | .047 | .257 | .146 | .046 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3.0  | .274                  | .146 | .044 | .268 | .144 | .043 | .257 | .140 | .042 | .248 | .136 | .042 | .239 | .132 | .041 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4.0  | .252                  | .131 | .038 | .247 | .129 | .038 | .238 | .126 | .038 | .229 | .123 | .037 | .221 | .120 | .037 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5.0  | .232                  | .118 | .034 | .228 | .117 | .034 | .220 | .114 | .034 | .212 | .112 | .033 | .205 | .109 | .033 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6.0  | .215                  | .108 | .031 | .211 | .107 | .031 | .204 | .105 | .030 | .197 | .102 | .030 | .191 | .100 | .030 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7.0  | .200                  | .099 | .028 | .197 | .098 | .028 | .190 | .096 | .028 | .184 | .094 | .027 | .178 | .092 | .027 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8.0  | .187                  | .091 | .026 | .184 | .090 | .026 | .178 | .089 | .025 | .172 | .087 | .025 | .167 | .086 | .025 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9.0  | .175                  | .085 | .024 | .172 | .084 | .024 | .167 | .082 | .023 | .162 | .081 | .023 | .157 | .080 | .023 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10.0 | .164                  | .079 | .022 | .162 | .078 | .022 | .157 | .077 | .022 | .153 | .076 | .022 | .148 | .075 | .021 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

| pcc  | 80%                   |      |      | 70%  |      |      | 50%                                         |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|-----------------------|------|------|------|------|------|---------------------------------------------|------|------|------|------|------|------|------|------|---|
| pw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                                         | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| pfc  | 20%                   |      |      | 20%  |      |      | 20%                                         |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Ceiling Cavity Exitance Coefficients (CCEC) |      |      |      |      |      |      |      |      |   |
| 0.0  | .193                  | .193 | .193 | .165 | .165 | .165 | .113                                        | .113 | .113 | .065 | .065 | .065 | .021 | .021 | .021 |   |
| 1.0  | .183                  | .159 | .136 | .157 | .136 | .117 | .107                                        | .094 | .081 | .062 | .054 | .047 | .020 | .017 | .015 |   |
| 2.0  | .176                  | .135 | .100 | .150 | .116 | .086 | .103                                        | .080 | .060 | .059 | .047 | .035 | .019 | .015 | .012 |   |
| 3.0  | .168                  | .117 | .076 | .144 | .101 | .066 | .099                                        | .070 | .046 | .057 | .041 | .027 | .018 | .013 | .009 |   |
| 4.0  | .160                  | .104 | .061 | .137 | .090 | .053 | .095                                        | .062 | .037 | .055 | .037 | .022 | .018 | .012 | .007 |   |
| 5.0  | .153                  | .093 | .050 | .131 | .081 | .043 | .090                                        | .056 | .030 | .052 | .033 | .018 | .017 | .011 | .006 |   |
| 6.0  | .145                  | .085 | .042 | .125 | .074 | .036 | .086                                        | .052 | .026 | .050 | .030 | .015 | .016 | .010 | .005 |   |
| 7.0  | .139                  | .078 | .036 | .119 | .068 | .031 | .082                                        | .047 | .022 | .048 | .028 | .013 | .015 | .009 | .004 |   |
| 8.0  | .132                  | .072 | .031 | .114 | .063 | .027 | .079                                        | .044 | .019 | .046 | .026 | .012 | .015 | .009 | .004 |   |
| 9.0  | .126                  | .067 | .028 | .109 | .058 | .024 | .075                                        | .041 | .017 | .044 | .024 | .010 | .014 | .008 | .003 |   |
| 10.0 | .120                  | .063 | .025 | .104 | .055 | .022 | .072                                        | .039 | .016 | .042 | .023 | .009 | .014 | .007 | .003 |   |

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2025-12-05

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.454  
Humidity:65.0%  
Test Distance:8.800m [K=1.0000]  
Remarks:

## UGR(Unified Glare Rating) Table

|                                                                                     |                  |      |      |      |             |                |      |                   |      |      |
|-------------------------------------------------------------------------------------|------------------|------|------|------|-------------|----------------|------|-------------------|------|------|
| Test:U:119.97V I:0.1970A P:23.259W PF:0.9844 Freq:59.98Hz<br>Lamp Flux:2303.06x1 lm |                  |      |      |      |             |                |      |                   |      |      |
| NAME:                                                                               |                  |      |      |      | TYPE:       |                |      | WEIGHT:           |      |      |
| SPEC.:                                                                              |                  |      |      |      | DIM.:       |                |      | SERIAL No.: 5000K |      |      |
| MFR.:                                                                               |                  |      |      |      | SUR.: 0.296 |                |      | Shielding Angle:  |      |      |
| ceiling/cavity                                                                      | 0.7              | 0.7  | 0.5  | 0.5  | 0.3         | 0.7            | 0.7  | 0.5               | 0.5  | 0.3  |
| walls                                                                               | 0.5              | 0.3  | 0.5  | 0.3  | 0.3         | 0.5            | 0.3  | 0.5               | 0.3  | 0.3  |
| working 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                                                                       | 20.3             | 21.9 | 20.6 | 22.1 | 22.3        | 20.9           | 22.4 | 21.2              | 22.6 | 22.9 |
| 3H                                                                                  | 21.6             | 23.0 | 21.9 | 23.3 | 23.5        | 22.5           | 23.9 | 22.8              | 24.1 | 24.4 |
| 4H                                                                                  | 22.1             | 23.4 | 22.4 | 23.7 | 24.0        | 23.1           | 24.5 | 23.5              | 24.7 | 25.0 |
| 6H                                                                                  | 22.3             | 23.6 | 22.7 | 23.9 | 24.2        | 23.6           | 24.9 | 24.0              | 25.2 | 25.5 |
| 8H                                                                                  | 22.3             | 23.6 | 22.7 | 23.9 | 24.2        | 23.8           | 25.0 | 24.2              | 25.3 | 25.6 |
| 12H                                                                                 | 22.3             | 23.5 | 22.7 | 23.8 | 24.1        | 23.9           | 25.1 | 24.3              | 25.4 | 25.7 |
| 4H 2H                                                                               | 21.0             | 22.3 | 21.3 | 22.6 | 22.9        | 21.4           | 22.8 | 21.7              | 23.0 | 23.3 |
| 3H                                                                                  | 22.5             | 23.7 | 22.8 | 24.0 | 24.3        | 23.2           | 24.4 | 23.5              | 24.7 | 25.0 |
| 4H                                                                                  | 23.0             | 24.1 | 23.4 | 24.4 | 24.8        | 24.0           | 25.0 | 24.3              | 25.4 | 25.7 |
| 6H                                                                                  | 23.4             | 24.3 | 23.8 | 24.7 | 25.1        | 24.6           | 25.6 | 25.0              | 25.9 | 26.3 |
| 8H                                                                                  | 23.4             | 24.3 | 23.8 | 24.7 | 25.1        | 24.8           | 25.7 | 25.2              | 26.1 | 26.5 |
| 12H                                                                                 | 23.4             | 24.2 | 23.8 | 24.6 | 25.0        | 25.0           | 25.8 | 25.4              | 26.2 | 26.6 |
| 8H 4H                                                                               | 23.3             | 24.2 | 23.7 | 24.6 | 25.0        | 24.2           | 25.1 | 24.6              | 25.4 | 25.8 |
| 6H                                                                                  | 23.8             | 24.5 | 24.2 | 25.0 | 25.4        | 24.9           | 25.7 | 25.4              | 26.1 | 26.5 |
| 8H                                                                                  | 23.9             | 24.6 | 24.4 | 25.0 | 25.5        | 25.2           | 25.9 | 25.7              | 26.3 | 26.8 |
| 12H                                                                                 | 23.9             | 24.5 | 24.4 | 25.0 | 25.4        | 25.5           | 26.0 | 26.0              | 26.5 | 27.0 |
| 12H 4H                                                                              | 23.3             | 24.2 | 23.8 | 24.6 | 25.0        | 24.1           | 25.0 | 24.6              | 25.4 | 25.8 |
| 6H                                                                                  | 23.9             | 24.5 | 24.3 | 25.0 | 25.4        | 24.9           | 25.6 | 25.4              | 26.0 | 26.5 |
| 8H                                                                                  | 24.0             | 24.6 | 24.5 | 25.0 | 25.5        | 25.3           | 25.9 | 25.8              | 26.3 | 26.8 |
| Variations with the observer position at spacings(CIE Pub.117):                     |                  |      |      |      |             |                |      |                   |      |      |
| S = 1.0H                                                                            | + 0.2 / - 0.2    |      |      |      |             | + 0.1 / - 0.2  |      |                   |      |      |
| 1.5H                                                                                | + 0.2 / - 0.4    |      |      |      |             | + 0.2 / - 0.3  |      |                   |      |      |
| 2.0H                                                                                | + 0.2 / - 0.4    |      |      |      |             | + 0.2 / - 0.3  |      |                   |      |      |

CIE Pub.117, 2303 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 2.9$ )  
Area: 0.0688 m<sup>2</sup>

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2025-12-05

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.454  
Humidity:65.0%  
Test Distance:8.800m [K=1.0000]  
Remarks:

## UTILIZATION FACTORS TABLE

|                                                                                     |             |                   |
|-------------------------------------------------------------------------------------|-------------|-------------------|
| Test:U:119.97V I:0.1970A P:23.259W PF:0.9844 Freq:59.98Hz<br>Lamp Flux:2303.06x1 lm |             |                   |
| NAME:                                                                               | TYPE:       | WEIGHT:           |
| SPEC.:                                                                              | DIM.:       | SERIAL No.: 5000K |
| MFR.:                                                                               | SUR.: 0.296 | Shielding Angle:  |

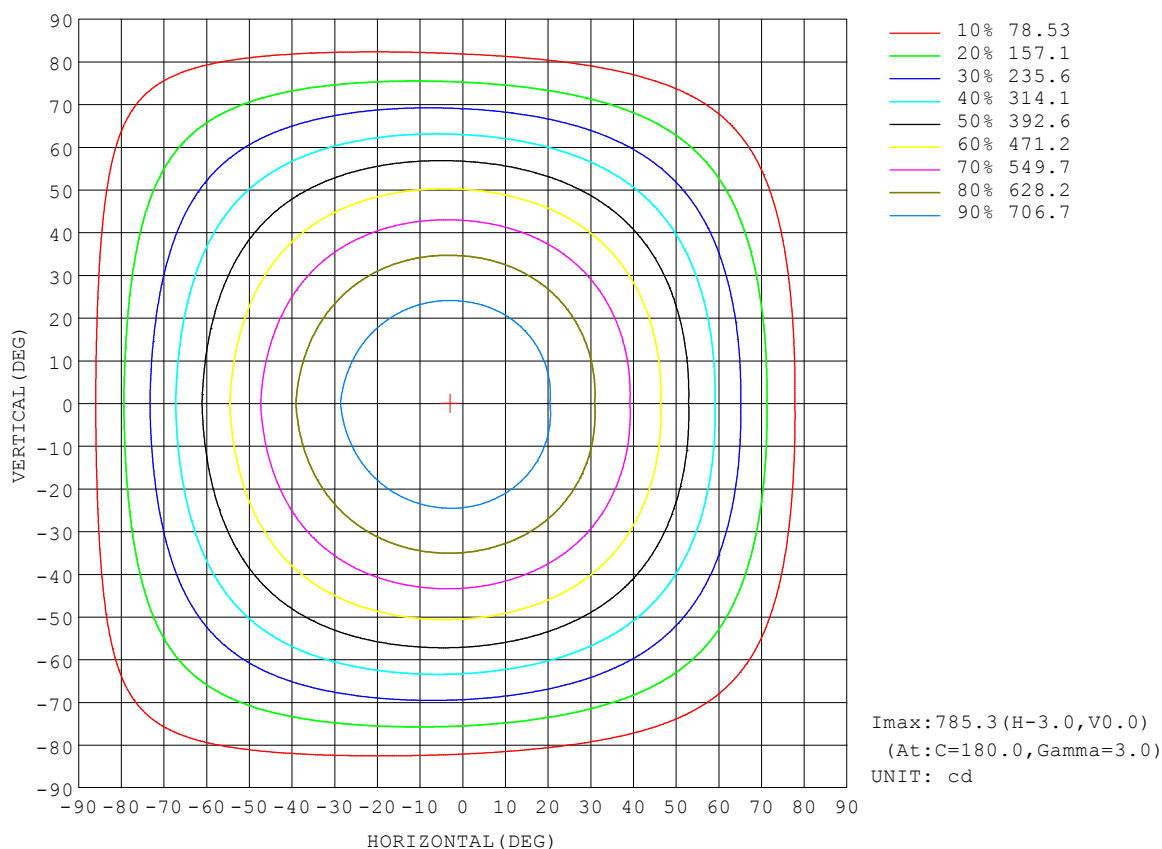
| REFLECTANCE                      |                                                      |     |           |     |     |     |     |               |     |        |
|----------------------------------|------------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8                                                  | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 0.5 | 0.5           | 0.5 | 0      |
| Walls                            | 0.7                                                  | 0.5 | 0.3       | 0.7 | 0.5 | 0.3 | 0.7 | 0.5           | 0.3 | 0      |
| Working plane                    | 0.2                                                  | 0.2 | 0.2       | 0.2 | 0.2 | 0.2 | 0.2 | 0.2           | 0.2 | 0      |
| ROOM INDEX                       | UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 57                                                   | 45  | 38        | 56  | 45  | 38  | 55  | 44            | 38  | 31     |
| 0.80                             | 67                                                   | 55  | 48        | 66  | 55  | 48  | 64  | 54            | 47  | 40     |
| 1.00                             | 75                                                   | 64  | 57        | 74  | 63  | 56  | 72  | 65            | 56  | 49     |
| 1.25                             | 82                                                   | 72  | 64        | 81  | 71  | 64  | 78  | 70            | 63  | 56     |
| 1.50                             | 87                                                   | 77  | 70        | 86  | 76  | 70  | 83  | 75            | 69  | 61     |
| 2.00                             | 94                                                   | 86  | 79        | 92  | 84  | 78  | 89  | 82            | 77  | 69     |
| 2.50                             | 98                                                   | 90  | 84        | 96  | 89  | 83  | 92  | 86            | 81  | 73     |
| 3.00                             | 102                                                  | 95  | 89        | 99  | 93  | 88  | 95  | 90            | 86  | 77     |
| 4.00                             | 106                                                  | 100 | 95        | 103 | 98  | 94  | 99  | 95            | 91  | 82     |
| 5.00                             | 108                                                  | 103 | 99        | 106 | 101 | 97  | 101 | 98            | 94  | 85     |
| ROOM INDEX                       | UF (total)                                           |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                      |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2025-12-05

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.454  
 Humidity: 65.0%  
 Test Distance: 8.800m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

|                                                                                     |             |                   |
|-------------------------------------------------------------------------------------|-------------|-------------------|
| Test:U:119.97V I:0.1970A P:23.259W PF:0.9844 Freq:59.98Hz<br>Lamp Flux:2303.06x1 lm |             |                   |
| NAME:                                                                               | TYPE:       | WEIGHT:           |
| SPEC.:                                                                              | DIM.:       | SERIAL No.: 5000K |
| MFR.:                                                                               | SUR.: 0.296 | Shielding Angle:  |

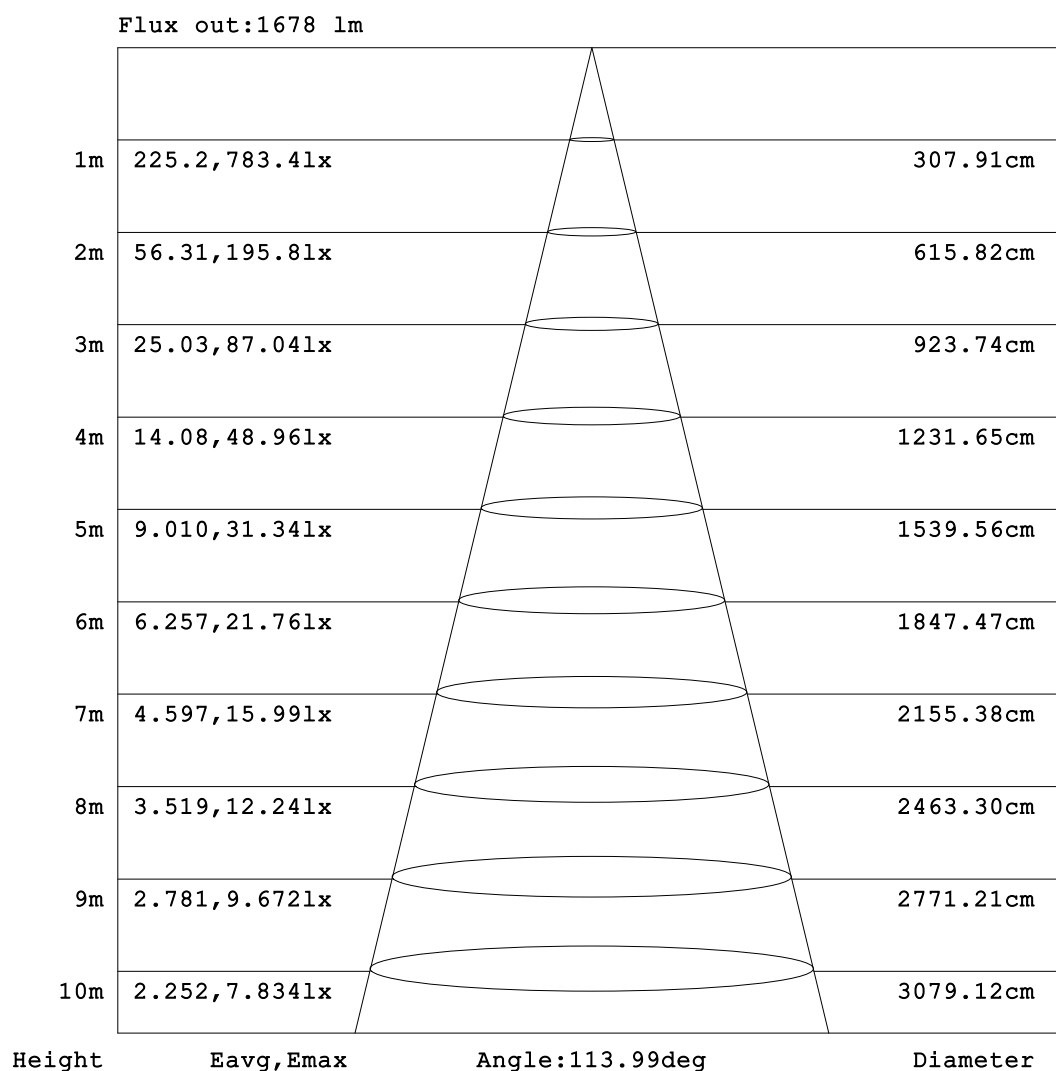


C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2025-12-05

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.454  
Humidity:65.0%  
Test Distance:8.800m [K=1.0000]  
Remarks:

## AAI Figure

|                                                                                     |             |                   |
|-------------------------------------------------------------------------------------|-------------|-------------------|
| Test:U:119.97V I:0.1970A P:23.259W PF:0.9844 Freq:59.98Hz<br>Lamp Flux:2303.06x1 lm |             |                   |
| NAME:                                                                               | TYPE:       | WEIGHT:           |
| SPEC.:                                                                              | DIM.:       | SERIAL No.: 5000K |
| MFR.:                                                                               | SUR.: 0.296 | Shielding Angle:  |



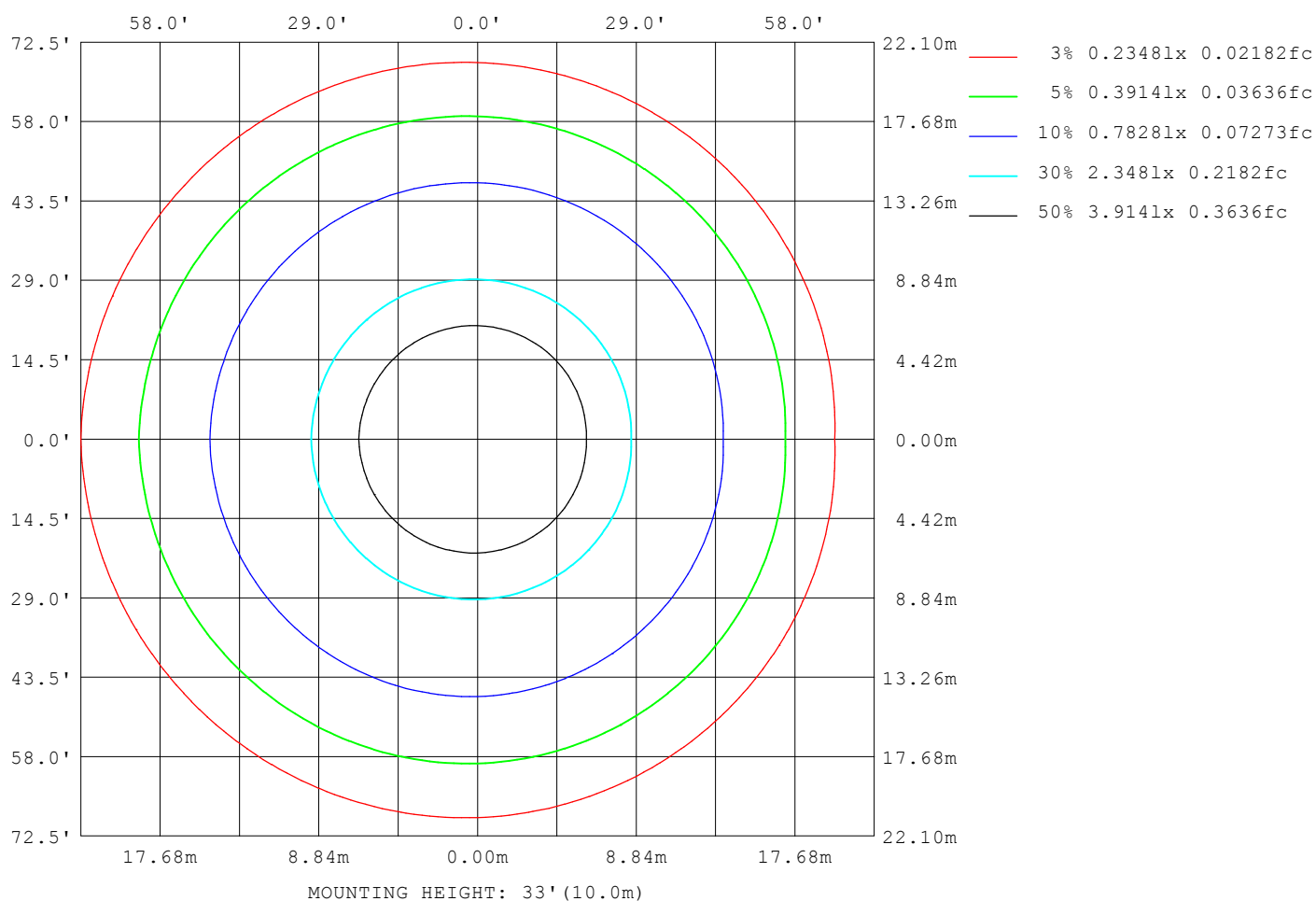
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2025-12-05

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.454  
Humidity: 65.0%  
Test Distance: 8.800m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

|                                                                                     |             |                   |
|-------------------------------------------------------------------------------------|-------------|-------------------|
| Test:U:119.97V I:0.1970A P:23.259W PF:0.9844 Freq:59.98Hz<br>Lamp Flux:2303.06x1 lm |             |                   |
| NAME:                                                                               | TYPE:       | WEIGHT:           |
| SPEC.:                                                                              | DIM.:       | SERIAL No.: 5000K |
| MFR.:                                                                               | SUR.: 0.296 | Shielding Angle:  |



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2025-12-05

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.454  
Humidity:65.0%  
Test Distance:8.800m [K=1.0000]  
Remarks:

## LED Avg.L Report

|                                                                                     |             |                   |
|-------------------------------------------------------------------------------------|-------------|-------------------|
| Test:U:119.97V I:0.1970A P:23.259W PF:0.9844 Freq:59.98Hz<br>Lamp Flux:2303.06x1 lm |             |                   |
| NAME:                                                                               | TYPE:       | WEIGHT:           |
| SPEC.:                                                                              | DIM.:       | SERIAL No.: 5000K |
| MFR.:                                                                               | SUR.: 0.296 | Shielding Angle:  |

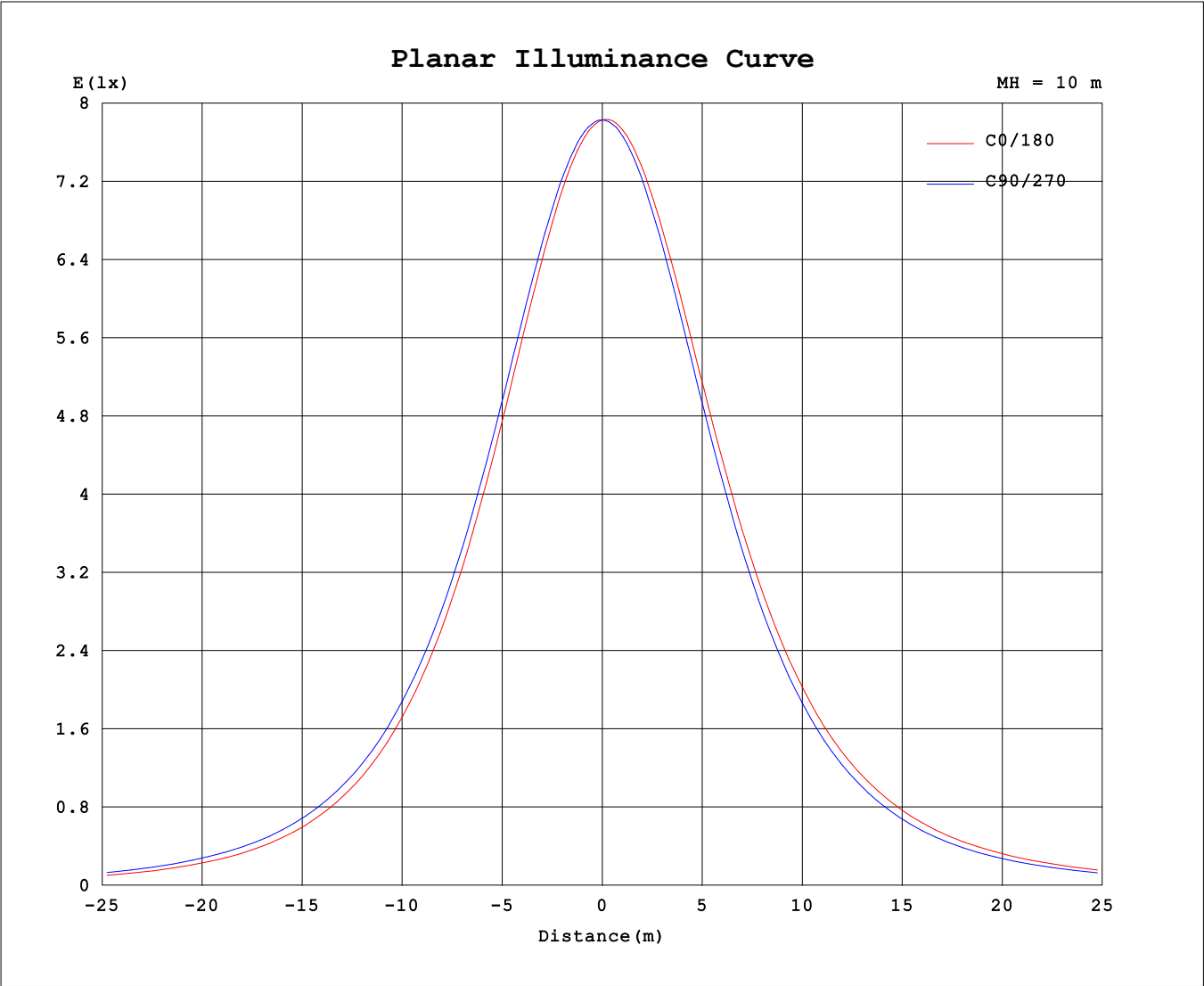
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 9985  |
| L_0~180 (75) av  | 9109  |
| L_0~180 (85) av  | 8020  |
| L_90~270 (65) av | 9972  |
| L_90~270 (75) av | 9087  |
| L_90~270 (85) av | 7575  |
| L_45 (65) av     | 10091 |
| L_45 (75) av     | 9274  |
| L_45 (85) av     | 8174  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2025-12-05

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.454  
Humidity:65.0%  
Test Distance:8.800m [K=1.0000]  
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2025-12-05

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.454  
Humidity:65.0%  
Test Distance:8.800m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                     |             |                   |
|-------------------------------------------------------------------------------------|-------------|-------------------|
| Test:U:119.97V I:0.1970A P:23.259W PF:0.9844 Freq:59.98Hz<br>Lamp Flux:2303.06x1 lm |             |                   |
| NAME:                                                                               | TYPE:       | WEIGHT:           |
| SPEC.:                                                                              | DIM.:       | SERIAL No.: 5000K |
| MFR.:                                                                               | SUR.: 0.296 | Shielding Angle:  |

Table--1

UNIT: cd

| C (DEG)<br>γ (DEG) | 0    | 90   | 180  | 270  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0                  | 783  | 783  | 783  | 783  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5                  | 774  | 780  | 785  | 779  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10                 | 759  | 770  | 780  | 769  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15                 | 737  | 754  | 770  | 752  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20                 | 709  | 732  | 752  | 729  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25                 | 676  | 703  | 728  | 700  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30                 | 636  | 668  | 698  | 665  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35                 | 591  | 628  | 662  | 624  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 40                 | 541  | 583  | 620  | 578  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 45                 | 487  | 532  | 574  | 528  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 50                 | 429  | 477  | 522  | 472  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 55                 | 367  | 419  | 466  | 413  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 60                 | 302  | 357  | 406  | 351  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 65                 | 237  | 293  | 343  | 287  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 70                 | 173  | 228  | 278  | 223  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 75                 | 111  | 164  | 213  | 160  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 80                 | 54.6 | 103  | 149  | 98.9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 85                 | 6.60 | 47.2 | 89.6 | 43.6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 90                 | 0.24 | 1.09 | 35.6 | 0.33 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 95                 | 0.24 | 0.19 | 0.24 | 0.26 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 100                | 0.35 | 0.31 | 0.29 | 0.34 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 105                | 0.50 | 0.44 | 0.39 | 0.47 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 110                | 0.64 | 0.59 | 0.54 | 0.62 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 115                | 0.80 | 0.72 | 0.69 | 0.77 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 120                | 0.93 | 0.88 | 0.85 | 0.94 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 125                | 1.07 | 1.02 | 1.01 | 1.11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 130                | 1.18 | 1.14 | 1.17 | 1.25 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 135                | 1.29 | 1.26 | 1.32 | 1.39 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 140                | 1.39 | 1.37 | 1.45 | 1.52 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 145                | 1.48 | 1.47 | 1.59 | 1.65 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 150                | 1.59 | 1.57 | 1.72 | 1.76 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 155                | 1.69 | 1.68 | 1.83 | 1.86 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 160                | 1.79 | 1.77 | 1.95 | 1.96 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 165                | 1.88 | 1.87 | 2.06 | 2.04 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 170                | 1.97 | 1.96 | 2.15 | 2.11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 175                | 2.07 | 2.07 | 2.21 | 2.17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 180                | 2.20 | 2.17 | 2.21 | 2.18 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2025-12-05

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
γ Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.454  
Humidity:65.0%  
Test Distance:8.800m [K=1.0000]  
Remarks:

## Photometric Data Table [cd]

| G/C   | 0.0    | 90.0   | 180.0  | 270.0  |
|-------|--------|--------|--------|--------|
| 0.0   | 782.9  | 782.9  | 782.9  | 782.9  |
| 3.0   | 778.6  | 781.9  | 785.3  | 781.6  |
| 6.0   | 771.6  | 778.8  | 784.6  | 778.0  |
| 9.0   | 762.6  | 772.7  | 782.0  | 771.7  |
| 12.0  | 751.0  | 765.0  | 777.2  | 763.1  |
| 15.0  | 737.2  | 754.4  | 769.6  | 752.5  |
| 18.0  | 721.2  | 741.7  | 759.9  | 739.5  |
| 21.0  | 703.3  | 726.5  | 747.7  | 723.7  |
| 24.0  | 682.7  | 709.7  | 733.2  | 706.1  |
| 27.0  | 660.4  | 689.9  | 716.8  | 687.0  |
| 30.0  | 636.2  | 668.4  | 698.2  | 665.0  |
| 33.0  | 609.8  | 644.8  | 677.1  | 641.2  |
| 36.0  | 581.6  | 619.6  | 654.2  | 615.5  |
| 39.0  | 551.6  | 592.5  | 629.0  | 587.9  |
| 42.0  | 520.1  | 562.9  | 602.3  | 558.4  |
| 45.0  | 487.1  | 532.1  | 573.8  | 527.5  |
| 48.0  | 452.2  | 499.7  | 542.6  | 494.5  |
| 51.0  | 416.4  | 466.0  | 511.0  | 460.6  |
| 54.0  | 379.2  | 430.7  | 477.4  | 425.4  |
| 57.0  | 341.0  | 394.3  | 442.2  | 388.9  |
| 60.0  | 302.5  | 356.9  | 406.1  | 351.1  |
| 63.0  | 263.2  | 318.2  | 368.7  | 313.2  |
| 66.0  | 223.9  | 279.7  | 330.4  | 274.5  |
| 69.0  | 185.4  | 240.9  | 291.5  | 235.3  |
| 72.0  | 147.8  | 202.0  | 252.2  | 197.2  |
| 75.0  | 111.2  | 164.1  | 213.2  | 159.5  |
| 78.0  | 76.68  | 127.1  | 174.7  | 122.7  |
| 81.0  | 44.03  | 91.47  | 137.2  | 87.62  |
| 84.0  | 14.87  | 57.92  | 101.0  | 54.32  |
| 87.0  | 0.2556 | 26.81  | 67.25  | 23.50  |
| 90.0  | 0.2376 | 1.086  | 35.63  | 0.3275 |
| 93.0  | 0.2376 | 0.1658 | 7.679  | 0.2525 |
| 96.0  | 0.2540 | 0.2102 | 0.2378 | 0.2660 |
| 99.0  | 0.3257 | 0.2875 | 0.2764 | 0.3257 |
| 102.0 | 0.4086 | 0.3594 | 0.3316 | 0.3865 |
| 105.0 | 0.4970 | 0.4423 | 0.3925 | 0.4695 |
| 108.0 | 0.5909 | 0.5361 | 0.4755 | 0.5687 |
| 111.0 | 0.6737 | 0.6190 | 0.5585 | 0.6517 |
| 114.0 | 0.7623 | 0.7073 | 0.6688 | 0.7511 |
| 117.0 | 0.8505 | 0.7904 | 0.7574 | 0.8450 |
| 120.0 | 0.9281 | 0.8787 | 0.8457 | 0.9444 |
| 123.0 | 1.011  | 0.9616 | 0.9451 | 1.038  |
| 126.0 | 1.083  | 1.044  | 1.039  | 1.132  |
| 129.0 | 1.155  | 1.116  | 1.139  | 1.221  |
| 132.0 | 1.226  | 1.183  | 1.227  | 1.309  |
| 135.0 | 1.287  | 1.260  | 1.321  | 1.392  |
| 138.0 | 1.353  | 1.332  | 1.398  | 1.480  |
| 141.0 | 1.409  | 1.387  | 1.481  | 1.558  |
| 144.0 | 1.458  | 1.442  | 1.564  | 1.630  |
| 147.0 | 1.519  | 1.508  | 1.641  | 1.696  |
| 150.0 | 1.585  | 1.575  | 1.724  | 1.757  |
| 153.0 | 1.657  | 1.630  | 1.790  | 1.817  |
| 156.0 | 1.713  | 1.691  | 1.851  | 1.873  |
| 159.0 | 1.762  | 1.757  | 1.918  | 1.928  |
| 162.0 | 1.829  | 1.823  | 1.978  | 1.989  |
| 165.0 | 1.884  | 1.868  | 2.056  | 2.039  |
| 168.0 | 1.939  | 1.917  | 2.122  | 2.083  |
| 171.0 | 1.994  | 1.984  | 2.172  | 2.121  |
| 174.0 | 2.044  | 2.044  | 2.199  | 2.155  |
| 177.0 | 2.110  | 2.100  | 2.210  | 2.177  |
| 180.0 | 2.205  | 2.166  | 2.210  | 2.177  |

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2025-12-05

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.454  
 Humidity: 65.0%  
 Test Distance: 8.800m [K=1.0000]  
 Remarks: