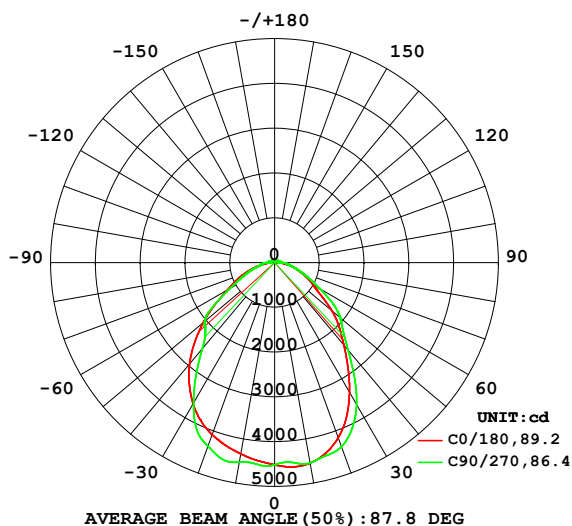


## LUMINAIRE PHOTOMETRIC TEST REPORT

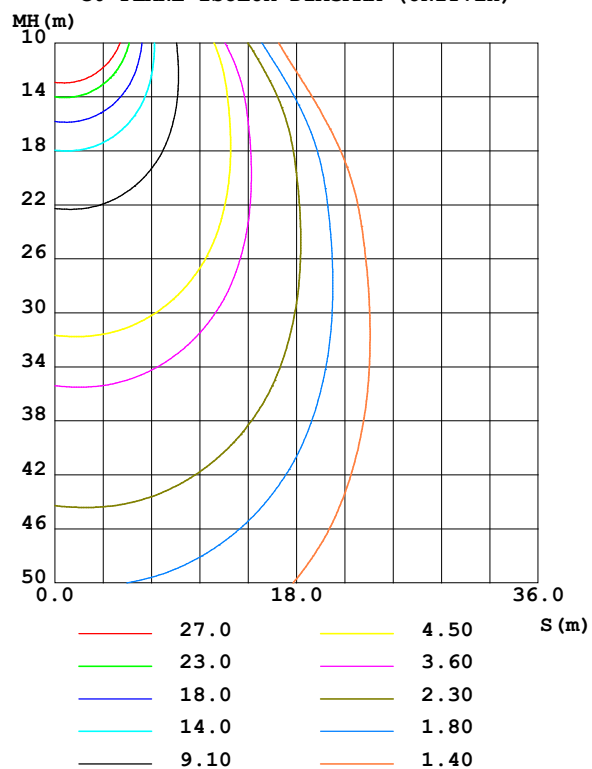
|                                                                                     |       |                  |
|-------------------------------------------------------------------------------------|-------|------------------|
| Test:U:231.07V I:0.3054A P:68.573W PF:0.9718 Freq:49.99Hz<br>Lamp Flux:10574.3x1 lm |       |                  |
| NAME:                                                                               | TYPE: | WEIGHT:          |
| SPEC.: 4000K                                                                        | DIM.: | SERIAL No.:      |
| MFR.:                                                                               | SUR.: | Shielding Angle: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA Eff: 154.20 lm/W |        |                   |          |
|------------------|---------|-----------------------------------|--------|-------------------|----------|
| MODEL            |         | I <sub>max</sub> (cd)             | 4592   | S/MH(C0/180)      | 1.20     |
| NOMINAL POWER(W) | 75      | LOR(%)                            | 100.0  | S/MH(C90/270)     | 1.19     |
| RATED VOLTAGE(V) | 230     | TOTAL FLUX(lm)                    | 10574  | η UP,DN(C0-180)   | 1.5,47.5 |
| NOMINAL FLUX(lm) | 10574.3 | CIE CLASS                         | DIRECT | η UP,DN(C180-360) | 1.7,49.3 |
| LAMPS INSIDE     | 1       | η up (%)                          | 3.2    | CIBSE SHR NOM     | 1.25     |
| TEST VOLTAGE(V)  | 230     | η down (%)                        | 96.8   | CIBSE SHR MAX     | 1.25     |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: MEDIUM  
Temperature:25.3℃  
Operators:QC  
Test Date:07 August 2025

γ Range: 0 - 180DEG  
γ Interval: 0.1DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.460  
Humidity:65.0%  
Test Distance:8.120m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                    | C45   | C90   | C135  | C180  | C225  | C270  | C315  | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|------------|
| 10       | 4549                  | 4591  | 4544  | 4365  | 4338  | 4417  | 4525  | 4492  | 0- 10    | 428.9       | 428.9        | 4.06,4.06  |
| 20       | 4160                  | 4259  | 4373  | 4160  | 4088  | 4335  | 4363  | 4259  | 10- 20   | 1242        | 1671         | 15.8,15.8  |
| 30       | 3346                  | 3412  | 3664  | 3707  | 3642  | 3829  | 3626  | 3413  | 20- 30   | 1822        | 3493         | 33,33      |
| 40       | 2412                  | 2372  | 2558  | 2849  | 2957  | 2857  | 2514  | 2431  | 30- 40   | 1935        | 5428         | 51.3,51.3  |
| 50       | 1670                  | 1864  | 1908  | 2090  | 2083  | 2106  | 2044  | 1928  | 40- 50   | 1745        | 7173         | 67.8,67.8  |
| 60       | 992.7                 | 1234  | 1167  | 1333  | 1206  | 1379  | 1147  | 1232  | 50- 60   | 1421        | 8594         | 81.3,81.3  |
| 70       | 605.0                 | 638.0 | 627.4 | 689.8 | 706.9 | 733.8 | 629.3 | 620.0 | 60- 70   | 910.1       | 9504         | 89.9,89.9  |
| 80       | 303.7                 | 300.8 | 326.8 | 340.4 | 319.4 | 332.4 | 325.9 | 310.9 | 70- 80   | 494.5       | 9999         | 94.6,94.6  |
| 90       | 19.68                 | 116.2 | 138.5 | 125.3 | 27.09 | 134.5 | 149.7 | 128.9 | 80- 90   | 238.1       | 10237        | 96.8,96.8  |
| 100      | 12.47                 | 77.32 | 102.8 | 84.00 | 16.74 | 91.18 | 129.0 | 92.76 | 90-100   | 73.19       | 10310        | 97.5,97.5  |
| 110      | 16.49                 | 63.64 | 89.69 | 69.15 | 20.34 | 72.40 | 95.00 | 67.99 | 100-110  | 73.38       | 10383        | 98.2,98.2  |
| 120      | 17.91                 | 54.19 | 78.38 | 57.40 | 22.27 | 59.15 | 83.40 | 54.39 | 110-120  | 57.32       | 10441        | 98.7,98.7  |
| 130      | 19.82                 | 48.15 | 71.85 | 48.42 | 23.00 | 55.07 | 74.19 | 51.41 | 120-130  | 46.30       | 10487        | 99.2,99.2  |
| 140      | 22.20                 | 45.56 | 59.48 | 38.60 | 22.17 | 43.30 | 63.23 | 47.90 | 130-140  | 36.20       | 10523        | 99.5,99.5  |
| 150      | 24.64                 | 34.92 | 53.88 | 28.73 | 23.54 | 30.87 | 55.49 | 36.69 | 140-150  | 24.45       | 10548        | 99.7,99.7  |
| 160      | 27.23                 | 30.82 | 37.23 | 27.33 | 26.57 | 29.22 | 38.86 | 31.88 | 150-160  | 15.31       | 10563        | 99.9,99.9  |
| 170      | 29.44                 | 28.65 | 28.63 | 27.34 | 29.40 | 28.55 | 30.12 | 29.28 | 160-170  | 8.477       | 10571        | 100,100    |
| 180      | 30.46                 | 29.68 | 26.15 | 28.59 | 30.45 | 29.66 | 26.14 | 28.20 | 170-180  | 2.773       | 10574        | 100,100    |
| DEG      | LUMINOUS INTENSITY:cd |       |       |       |       |       |       |       |          | UNIT:lm     |              |            |

Conical surface Flux(90deg): 6323.3 lm

%lum = 59.8%

%lamp = 59.8%

Conical surface Flux(130deg): 9108.6 lm

%lum = 86.1%

%lamp = 86.1%

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3℃  
 Operators:QC  
 Test Date:07 August 2025

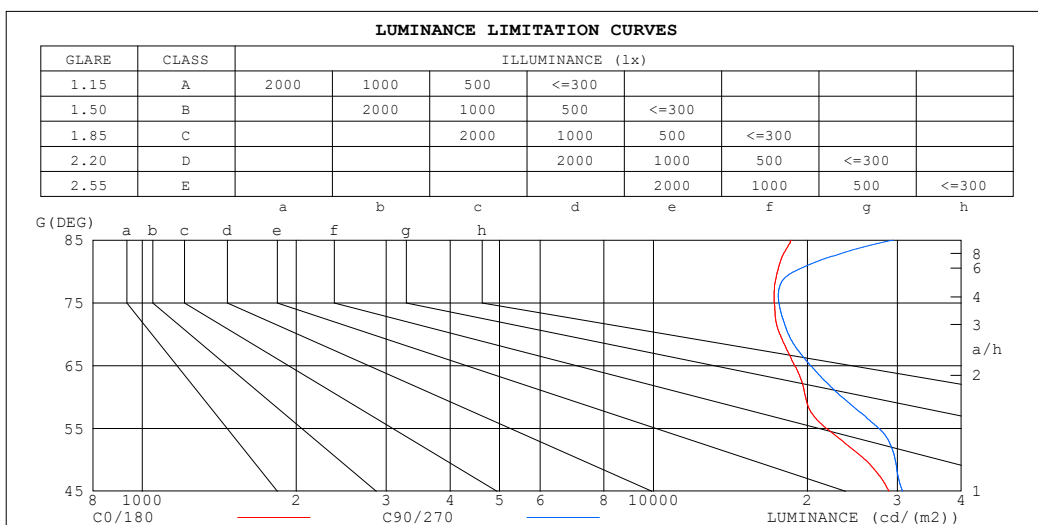
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.1DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.460  
 Humidity:65.0%  
 Test Distance:8.120m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:231.07V I:0.3054A P:68.573W PF:0.9718 Freq:49.99Hz

Lamp Flux:10574.3x1 lm

|              |       |                  |
|--------------|-------|------------------|
| NAME:        | TYPE: | WEIGHT:          |
| SPEC.: 4000K | DIM.: | SERIAL No.:      |
| MFR.:        | SUR.: | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 18934  | 29660   |
| 80                | 17635  | 18935   |
| 75                | 17356  | 17725   |
| 70                | 17781  | 18477   |
| 65                | 18996  | 20427   |
| 60                | 19910  | 23521   |
| 55                | 21932  | 27752   |
| 50                | 26082  | 29793   |
| 45                | 28995  | 30793   |

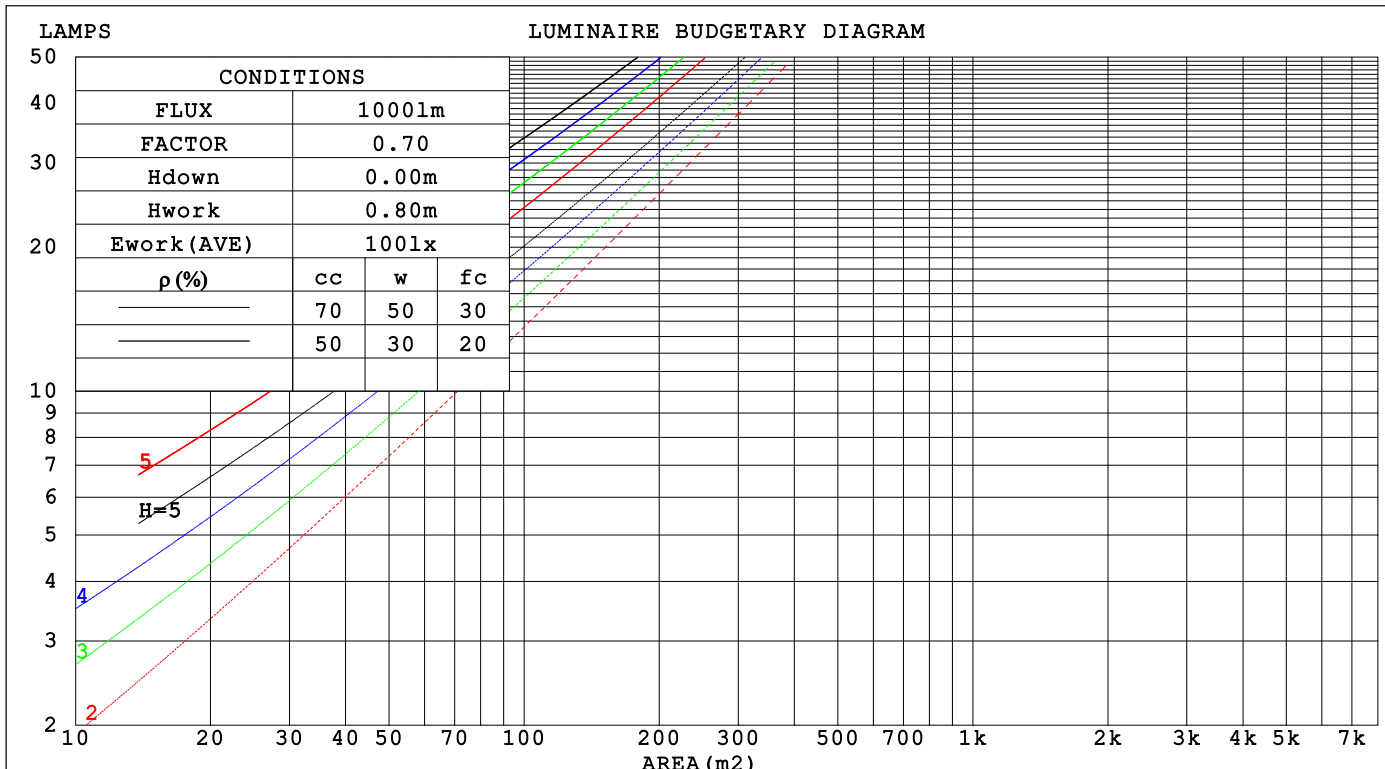
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3 °C  
Operators: QC  
Test Date: 07 August 2025

γ Range: 0 - 180DEG  
γ Interval: 0.1DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.460  
Humidity: 65.0%  
Test Distance: 8.120m [K=1.0000]  
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                                     |       |                  |
|-------------------------------------------------------------------------------------|-------|------------------|
| Test:U:231.07V I:0.3054A P:68.573W PF:0.9718 Freq:49.99Hz<br>Lamp Flux:10574.3x1 lm |       |                  |
| NAME:                                                                               | TYPE: | WEIGHT:          |
| SPEC.: 4000K                                                                        | DIM.: | SERIAL No.:      |
| MFR.:                                                                               | SUR.: | 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 |      |      |      |      |      |      |      |      |      |      |      |     |     |     | Coefficients of Utilization(CU) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.0  | 1.18                  | 1.18 | 1.18 | 1.15 | 1.15 | 1.15 | 1.09 | 1.09 | 1.09 | 1.04 | 1.04 | 1.04 | .99 | .99 | .99 | .97                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1.0  | 1.04                  | 1.00 | .97  | 1.02 | .98  | .95  | .97  | .94  | .91  | .92  | .90  | .88  | .88 | .87 | .85 | .82                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2.0  | .92                   | .86  | .80  | .90  | .84  | .79  | .86  | .81  | .77  | .82  | .78  | .75  | .79 | .76 | .73 | .70                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3.0  | .82                   | .74  | .68  | .80  | .73  | .67  | .77  | .71  | .66  | .74  | .69  | .64  | .71 | .66 | .63 | .61                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4.0  | .73                   | .65  | .59  | .72  | .64  | .58  | .69  | .62  | .57  | .66  | .61  | .56  | .64 | .59 | .55 | .53                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5.0  | .66                   | .58  | .51  | .65  | .57  | .51  | .62  | .55  | .50  | .60  | .54  | .49  | .58 | .53 | .49 | .46                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6.0  | .60                   | .51  | .45  | .59  | .51  | .45  | .57  | .50  | .44  | .55  | .49  | .44  | .53 | .47 | .43 | .41                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7.0  | .55                   | .46  | .41  | .54  | .46  | .40  | .52  | .45  | .40  | .50  | .44  | .39  | .49 | .43 | .39 | .37                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8.0  | .50                   | .42  | .36  | .49  | .42  | .36  | .48  | .41  | .36  | .46  | .40  | .35  | .45 | .39 | .35 | .33                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9.0  | .46                   | .38  | .33  | .45  | .38  | .33  | .44  | .37  | .33  | .43  | .37  | .32  | .42 | .36 | .32 | .30                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10.0 | .43                   | .35  | .30  | .42  | .35  | .30  | .41  | .34  | .30  | .40  | .34  | .30  | .39 | .33 | .29 | .28                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: MEDIUM  
Temperature:25.3℃  
Operators:QC  
Test Date:07 August 2025

γ Range: 0 - 180DEG  
γ Interval: 0.1DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.460  
Humidity:65.0%  
Test Distance:8.120m [K=1.0000]  
Remarks:

### WEC AND CCEC

|                                                                                     |       |                  |
|-------------------------------------------------------------------------------------|-------|------------------|
| Test:U:231.07V I:0.3054A P:68.573W PF:0.9718 Freq:49.99Hz<br>Lamp Flux:10574.3x1 lm |       |                  |
| NAME:                                                                               | TYPE: | WEIGHT:          |
| SPEC.: 4000K                                                                        | DIM.: | SERIAL No.:      |
| MFR.:                                                                               | SUR.: | 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  | .287                  | .163 | .052 | .279 | .159 | .051 | .264                            | .152 | .048 | .251 | .145 | .046 | .238 | .138 | .044 |   |  |
| 2.0  | .268                  | .147 | .045 | .261 | .144 | .044 | .248                            | .138 | .043 | .236 | .132 | .041 | .225 | .127 | .040 |   |  |
| 3.0  | .249                  | .133 | .040 | .243 | .130 | .039 | .231                            | .125 | .038 | .220 | .121 | .037 | .210 | .117 | .036 |   |  |
| 4.0  | .231                  | .120 | .035 | .226 | .118 | .035 | .215                            | .114 | .034 | .206 | .110 | .033 | .197 | .107 | .033 |   |  |
| 5.0  | .215                  | .109 | .032 | .210 | .108 | .031 | .201                            | .104 | .031 | .192 | .101 | .030 | .184 | .098 | .030 |   |  |
| 6.0  | .200                  | .100 | .029 | .196 | .099 | .028 | .187                            | .096 | .028 | .180 | .093 | .027 | .172 | .091 | .027 |   |  |
| 7.0  | .187                  | .093 | .026 | .183 | .091 | .026 | .176                            | .089 | .026 | .169 | .087 | .025 | .162 | .084 | .025 |   |  |
| 8.0  | .176                  | .086 | .024 | .172 | .085 | .024 | .165                            | .083 | .024 | .159 | .081 | .023 | .153 | .079 | .023 |   |  |
| 9.0  | .165                  | .080 | .022 | .162 | .079 | .022 | .156                            | .077 | .022 | .150 | .075 | .022 | .145 | .073 | .021 |   |  |
| 10.0 | .156                  | .075 | .021 | .153 | .074 | .021 | .147                            | .072 | .020 | .142 | .071 | .020 | .137 | .069 | .020 |   |  |

| 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  | .215                  | .215 | .215 | .184 | .184 | .184 | .125                                        | .125 | .125 | .072 | .072 | .072 | .023 | .023 | .023 |   |  |
| 1.0  | .203                  | .181 | .161 | .174 | .155 | .138 | .119                                        | .107 | .096 | .068 | .062 | .056 | .022 | .020 | .018 |   |  |
| 2.0  | .194                  | .157 | .126 | .166 | .135 | .108 | .114                                        | .093 | .076 | .066 | .054 | .044 | .021 | .018 | .014 |   |  |
| 3.0  | .185                  | .139 | .102 | .159 | .120 | .088 | .109                                        | .083 | .062 | .063 | .049 | .037 | .020 | .016 | .012 |   |  |
| 4.0  | .177                  | .126 | .086 | .152 | .108 | .075 | .105                                        | .076 | .053 | .061 | .044 | .031 | .019 | .014 | .010 |   |  |
| 5.0  | .170                  | .115 | .074 | .146 | .099 | .065 | .100                                        | .069 | .046 | .058 | .041 | .027 | .019 | .013 | .009 |   |  |
| 6.0  | .163                  | .107 | .066 | .140 | .092 | .058 | .097                                        | .065 | .041 | .056 | .038 | .024 | .018 | .012 | .008 |   |  |
| 7.0  | .156                  | .100 | .060 | .134 | .086 | .052 | .093                                        | .061 | .037 | .054 | .036 | .022 | .017 | .012 | .007 |   |  |
| 8.0  | .150                  | .094 | .055 | .129 | .081 | .048 | .089                                        | .057 | .034 | .052 | .034 | .020 | .017 | .011 | .007 |   |  |
| 9.0  | .144                  | .089 | .051 | .124 | .077 | .045 | .086                                        | .054 | .032 | .050 | .032 | .019 | .016 | .011 | .006 |   |  |
| 10.0 | .139                  | .085 | .049 | .120 | .073 | .042 | .083                                        | .052 | .030 | .048 | .031 | .018 | .016 | .010 | .006 |   |  |

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: MEDIUM  
Temperature:25.3℃  
Operators:QC  
Test Date:07 August 2025

γ Range: 0 - 180DEG  
γ Interval: 0.1DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.460  
Humidity:65.0%  
Test Distance:8.120m [K=1.0000]  
Remarks:

### UGR(Unified Glare Rating) Table

|                                                                                     |                  |      |       |      |      |                  |      |      |      |      |
|-------------------------------------------------------------------------------------|------------------|------|-------|------|------|------------------|------|------|------|------|
| Test:U:231.07V I:0.3054A P:68.573W PF:0.9718 Freq:49.99Hz<br>Lamp Flux:10574.3x1 lm |                  |      |       |      |      |                  |      |      |      |      |
| NAME:                                                                               |                  |      | TYPE: |      |      | WEIGHT:          |      |      |      |      |
| SPEC.: 4000K                                                                        |                  |      | DIM.: |      |      | SERIAL No.:      |      |      |      |      |
| MFR.:                                                                               |                  |      | SUR.: |      |      | 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                                                                       | 14.7             | 16.1 | 15.0  | 16.3 | 16.6 | 15.3             | 16.7 | 15.6 | 16.9 | 17.2 |
| 3H                                                                                  | 15.8             | 17.1 | 16.1  | 17.3 | 17.6 | 16.3             | 17.5 | 16.6 | 17.8 | 18.1 |
| 4H                                                                                  | 16.3             | 17.5 | 16.6  | 17.8 | 18.1 | 16.7             | 17.9 | 17.0 | 18.2 | 18.5 |
| 6H                                                                                  | 16.7             | 17.8 | 17.1  | 18.1 | 18.5 | 17.1             | 18.2 | 17.4 | 18.5 | 18.9 |
| 8H                                                                                  | 16.9             | 17.9 | 17.2  | 18.3 | 18.6 | 17.3             | 18.4 | 17.7 | 18.7 | 19.1 |
| 12H                                                                                 | 17.0             | 18.1 | 17.4  | 18.4 | 18.8 | 17.6             | 18.7 | 18.0 | 19.0 | 19.4 |
| 4H 2H                                                                               | 15.3             | 16.5 | 15.6  | 16.8 | 17.1 | 15.7             | 16.9 | 16.1 | 17.2 | 17.5 |
| 3H                                                                                  | 16.5             | 17.6 | 16.9  | 17.9 | 18.3 | 16.9             | 17.9 | 17.3 | 18.3 | 18.6 |
| 4H                                                                                  | 17.1             | 18.0 | 17.5  | 18.4 | 18.8 | 17.4             | 18.4 | 17.8 | 18.7 | 19.1 |
| 6H                                                                                  | 17.6             | 18.5 | 18.1  | 18.9 | 19.3 | 17.9             | 18.8 | 18.4 | 19.2 | 19.6 |
| 8H                                                                                  | 17.9             | 18.7 | 18.4  | 19.1 | 19.6 | 18.3             | 19.1 | 18.7 | 19.5 | 19.9 |
| 12H                                                                                 | 18.1             | 18.8 | 18.6  | 19.3 | 19.8 | 18.7             | 19.4 | 19.1 | 19.8 | 20.3 |
| 8H 4H                                                                               | 17.3             | 18.1 | 17.8  | 18.5 | 18.9 | 17.6             | 18.4 | 18.0 | 18.8 | 19.2 |
| 6H                                                                                  | 18.0             | 18.7 | 18.5  | 19.1 | 19.6 | 18.3             | 19.0 | 18.8 | 19.4 | 19.9 |
| 8H                                                                                  | 18.4             | 19.0 | 18.9  | 19.5 | 20.0 | 18.8             | 19.3 | 19.3 | 19.8 | 20.3 |
| 12H                                                                                 | 18.8             | 19.3 | 19.3  | 19.8 | 20.3 | 19.3             | 19.8 | 19.9 | 20.3 | 20.9 |
| 12H 4H                                                                              | 17.3             | 18.0 | 17.8  | 18.5 | 18.9 | 17.6             | 18.3 | 18.1 | 18.7 | 19.2 |
| 6H                                                                                  | 18.1             | 18.7 | 18.6  | 19.2 | 19.7 | 18.4             | 18.9 | 18.9 | 19.4 | 19.9 |
| 8H                                                                                  | 18.5             | 19.0 | 19.1  | 19.5 | 20.1 | 18.9             | 19.4 | 19.4 | 19.9 | 20.4 |
| Variations with the observer position at spacings(CIE Pub.117):                     |                  |      |       |      |      |                  |      |      |      |      |
| S = 1.0H                                                                            | + 0.2 / - 0.3    |      |       |      |      | + 0.2 / - 0.3    |      |      |      |      |
| 1.5H                                                                                | + 0.2 / - 0.3    |      |       |      |      | + 0.3 / - 0.3    |      |      |      |      |
| 2.0H                                                                                | + 0.3 / - 0.6    |      |       |      |      | + 0.4 / - 0.4    |      |      |      |      |

CIE Pub.117, 10574 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 8.2)  
Area: 0.1 m2

C Range: 0 - 360DEG

C Interval: 45.0DEG

Test Speed: MEDIUM

Temperature:25.3℃

Operators:QC

Test Date:07 August 2025

γ Range: 0 - 180DEG

γ Interval: 0.1DEG

Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.460

Humidity:65.0%

Test Distance:8.120m [K=1.0000]

Remarks:

### UTILIZATION FACTORS TABLE

|                                                                                     |       |                  |
|-------------------------------------------------------------------------------------|-------|------------------|
| Test:U:231.07V I:0.3054A P:68.573W PF:0.9718 Freq:49.99Hz<br>Lamp Flux:10574.3x1 lm |       |                  |
| NAME:                                                                               | TYPE: | WEIGHT:          |
| SPEC.: 4000K                                                                        | DIM.: | SERIAL No.:      |
| MFR.:                                                                               | SUR.: | Shielding Angle: |

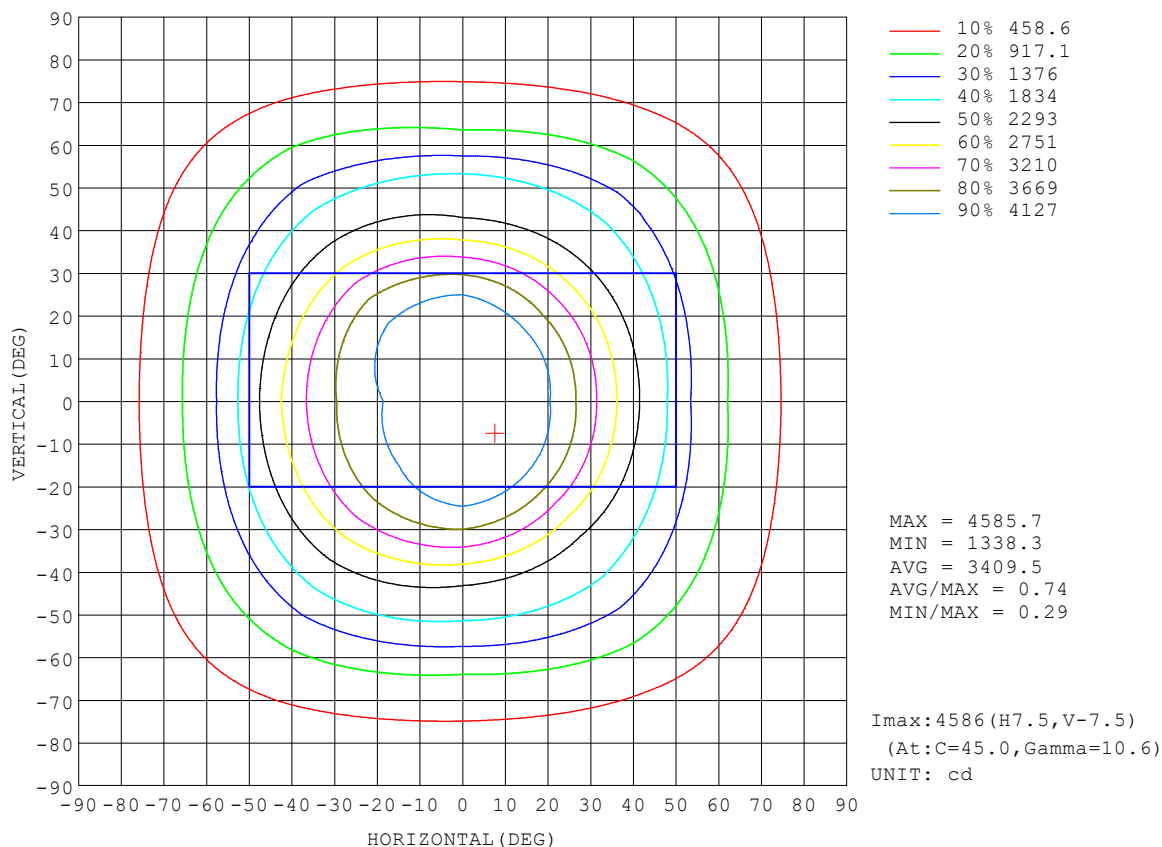
| REFLECTANCE                      |                                                      |     |           |     |     |     |     |               |     |        |
|----------------------------------|------------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 61                                                   | 50  | 44        | 60  | 50  | 44  | 59  | 50            | 44  | 38     |
| 0.80                             | 71                                                   | 60  | 54        | 70  | 60  | 53  | 68  | 59            | 53  | 46     |
| 1.00                             | 79                                                   | 69  | 62        | 78  | 68  | 62  | 75  | 69            | 61  | 54     |
| 1.25                             | 86                                                   | 76  | 69        | 84  | 75  | 69  | 81  | 74            | 68  | 61     |
| 1.50                             | 90                                                   | 81  | 75        | 89  | 80  | 74  | 85  | 78            | 73  | 66     |
| 2.00                             | 96                                                   | 89  | 83        | 94  | 87  | 82  | 91  | 85            | 80  | 72     |
| 2.50                             | 100                                                  | 93  | 87        | 98  | 91  | 86  | 94  | 88            | 84  | 75     |
| 3.00                             | 103                                                  | 96  | 91        | 101 | 95  | 90  | 96  | 91            | 88  | 79     |
| 4.00                             | 106                                                  | 101 | 97        | 104 | 99  | 95  | 99  | 95            | 92  | 83     |
| 5.00                             | 109                                                  | 104 | 100       | 106 | 102 | 98  | 101 | 98            | 95  | 85     |
| ROOM INDEX                       | UF (total)                                           |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                      |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3 °C  
Operators: QC  
Test Date: 07 August 2025

γ Range: 0 - 180DEG  
γ Interval: 0.1DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.460  
Humidity: 65.0%  
Test Distance: 8.120m [K=1.0000]  
Remarks:

### ISOCANDELA DIAGRAM

|                                                                                     |       |                  |
|-------------------------------------------------------------------------------------|-------|------------------|
| Test:U:231.07V I:0.3054A P:68.573W PF:0.9718 Freq:49.99Hz<br>Lamp Flux:10574.3x1 lm |       |                  |
| NAME:                                                                               | TYPE: | WEIGHT:          |
| SPEC.: 4000K                                                                        | DIM.: | SERIAL No.:      |
| MFR.:                                                                               | SUR.: | Shielding Angle: |



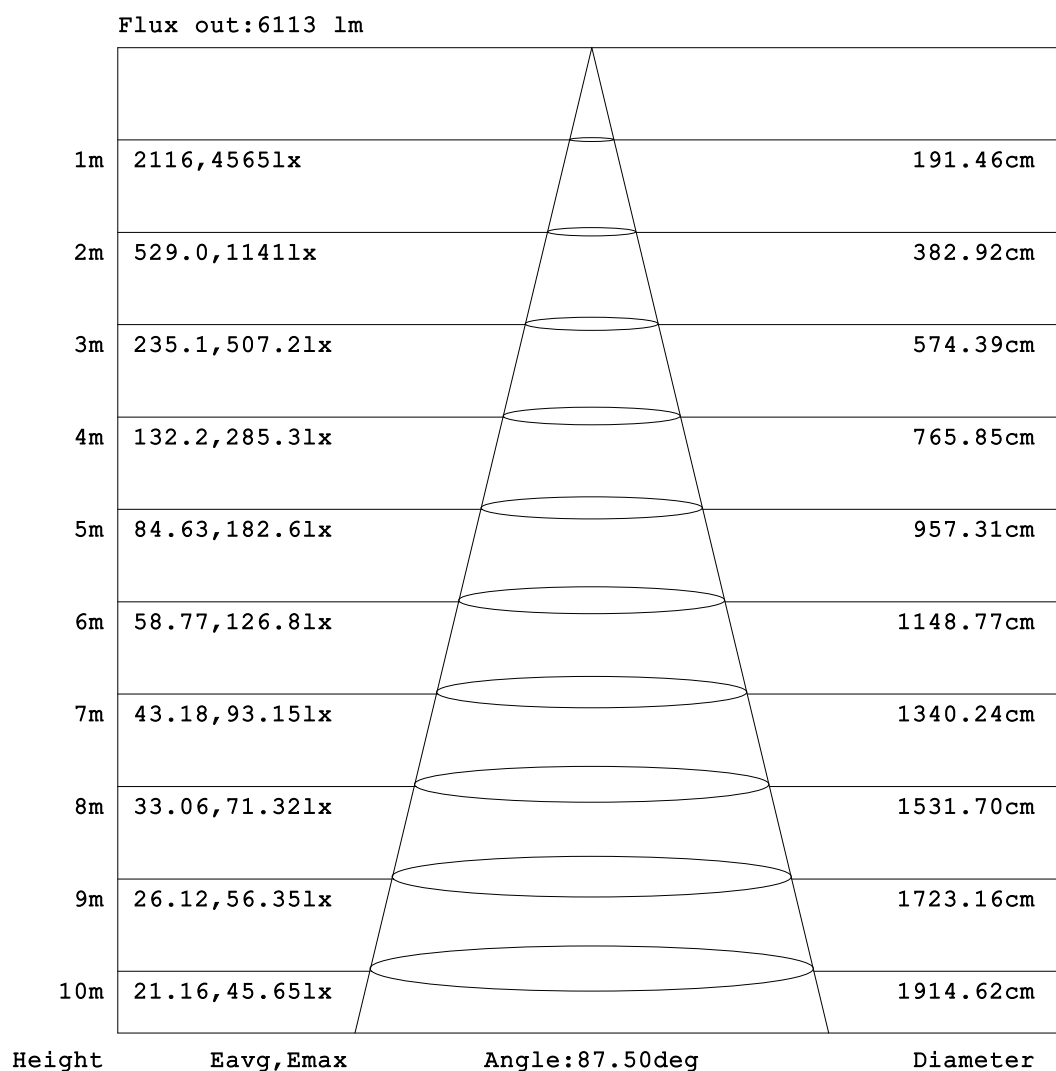
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: MEDIUM  
Temperature:25.3℃  
Operators:QC  
Test Date:07 August 2025

γ Range: 0 - 180DEG  
γ Interval: 0.1DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.460  
Humidity:65.0%  
Test Distance:8.120m [K=1.0000]  
Remarks:



**AAI Figure**

|                                                                                     |       |                  |
|-------------------------------------------------------------------------------------|-------|------------------|
| Test:U:231.07V I:0.3054A P:68.573W PF:0.9718 Freq:49.99Hz<br>Lamp Flux:10574.3x1 lm |       |                  |
| NAME:                                                                               | TYPE: | WEIGHT:          |
| SPEC.: 4000K                                                                        | DIM.: | SERIAL No.:      |
| MFR.:                                                                               | SUR.: | Shielding Angle: |



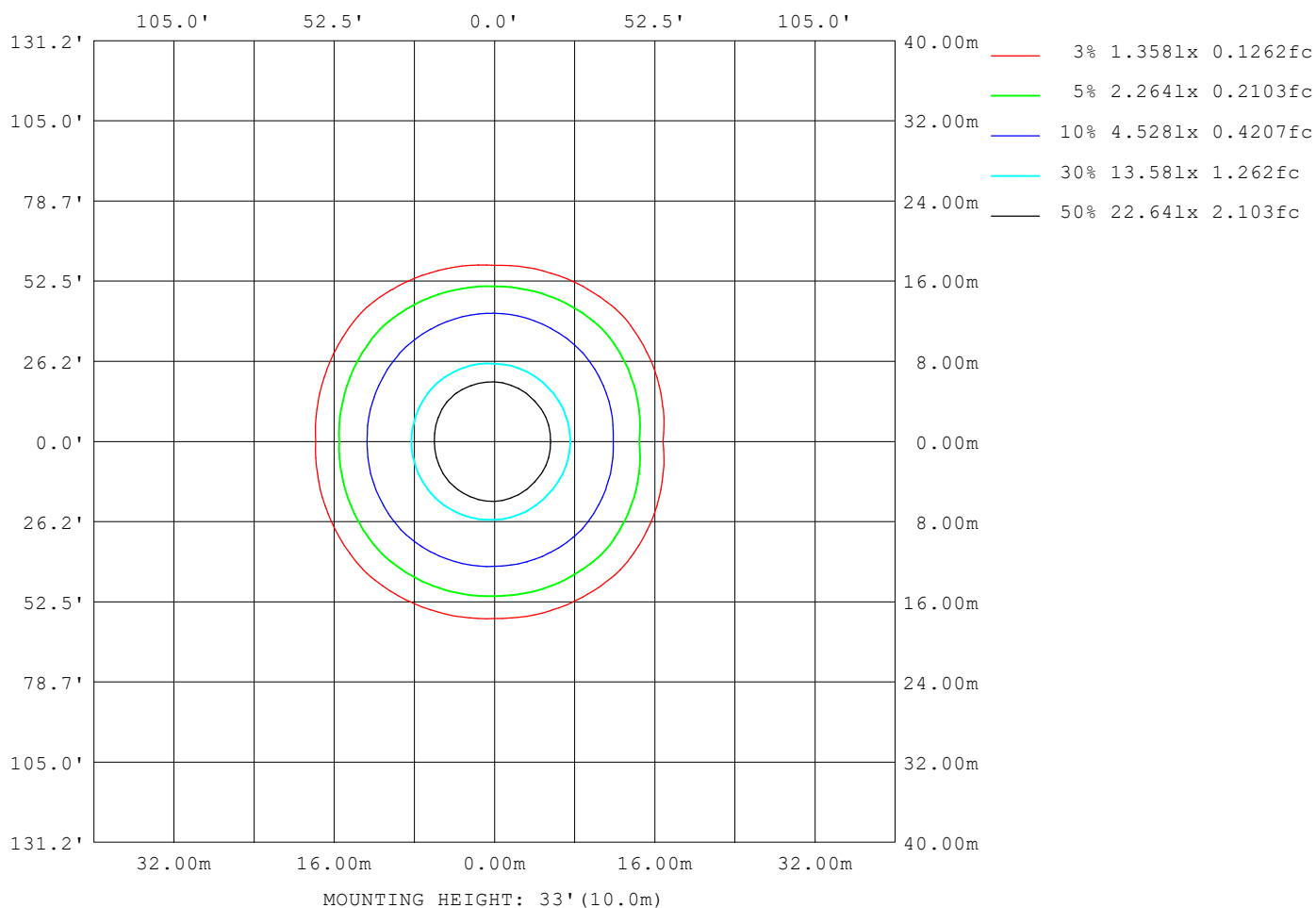
**Note:**The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: MEDIUM  
Temperature:25.3℃  
Operators:QC  
Test Date:07 August 2025

γ Range: 0 - 180DEG  
γ Interval: 0.1DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.460  
Humidity:65.0%  
Test Distance:8.120m [K=1.0000]  
Remarks:

### ISOLUX DIAGRAM

|                                                                                     |       |                  |
|-------------------------------------------------------------------------------------|-------|------------------|
| Test:U:231.07V I:0.3054A P:68.573W PF:0.9718 Freq:49.99Hz<br>Lamp Flux:10574.3x1 lm |       |                  |
| NAME:                                                                               | TYPE: | WEIGHT:          |
| SPEC.: 4000K                                                                        | DIM.: | SERIAL No.:      |
| MFR.:                                                                               | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: MEDIUM  
Temperature:25.3°C  
Operators:QC  
Test Date:07 August 2025

γ Range: 0 - 180DEG  
γ Interval: 0.1DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.460  
Humidity:65.0%  
Test Distance:8.120m [K=1.0000]  
Remarks:

### LED Avg.L Report

|                                                                                     |       |                  |
|-------------------------------------------------------------------------------------|-------|------------------|
| Test:U:231.07V I:0.3054A P:68.573W PF:0.9718 Freq:49.99Hz<br>Lamp Flux:10574.3x1 lm |       |                  |
| NAME:                                                                               | TYPE: | WEIGHT:          |
| SPEC.: 4000K                                                                        | DIM.: | SERIAL No.:      |
| MFR.:                                                                               | SUR.: | Shielding Angle: |

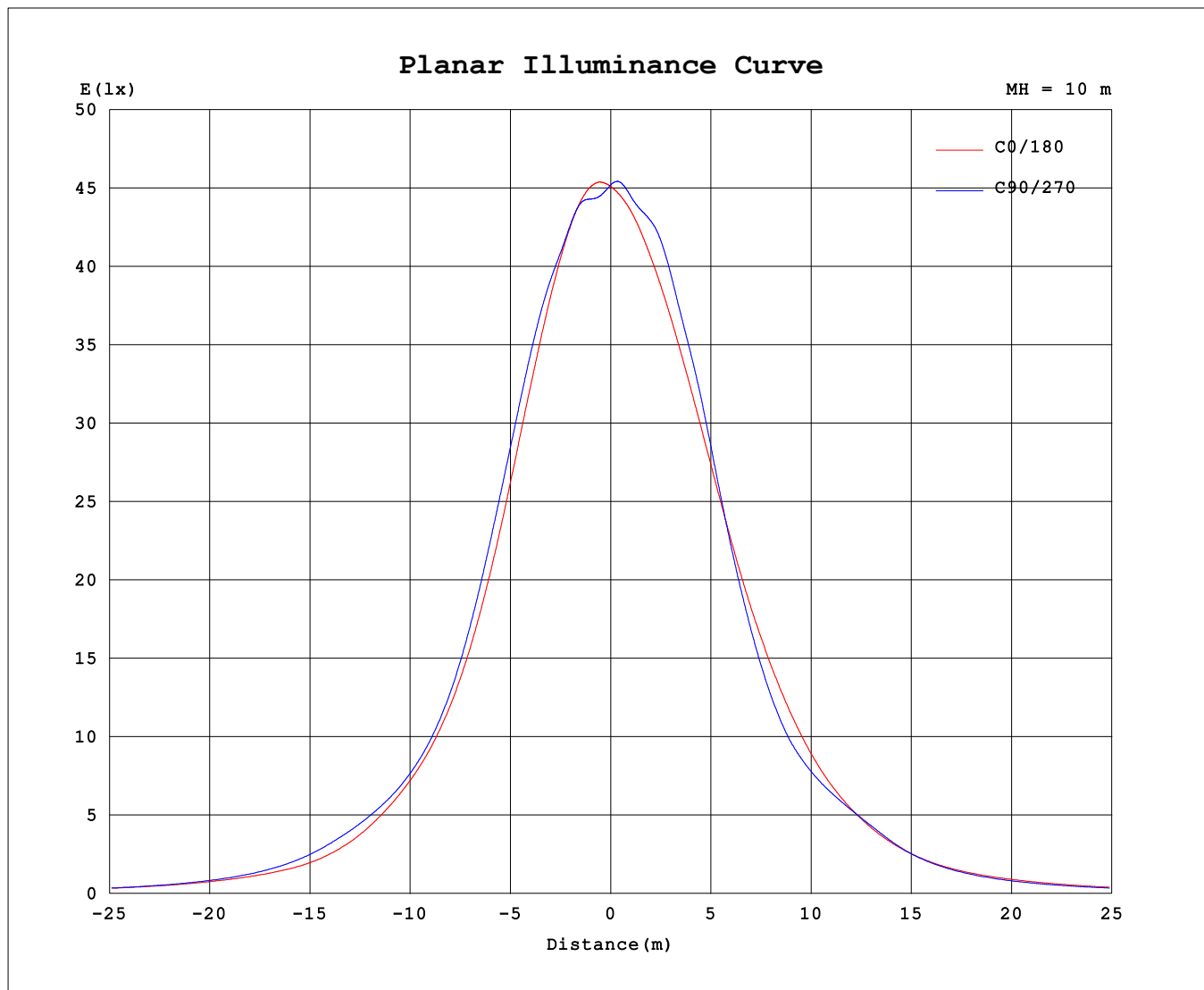
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 20693 |
| L_0~180 (75) av  | 18085 |
| L_0~180 (85) av  | 19315 |
| L_90~270 (65) av | 20043 |
| L_90~270 (75) av | 17527 |
| L_90~270 (85) av | 30439 |
| L_45 (65) av     | 22950 |
| L_45 (75) av     | 17677 |
| L_45 (85) av     | 26440 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: MEDIUM  
Temperature:25.3℃  
Operators:QC  
Test Date:07 August 2025

γ Range: 0 - 180DEG  
γ Interval: 0.1DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.460  
Humidity:65.0%  
Test Distance:8.120m [K=1.0000]  
Remarks:

### Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.3 °C  
 Operators: QC  
 Test Date: 07 August 2025

γ Range: 0 - 180DEG  
 γ Interval: 0.1DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.460  
 Humidity: 65.0%  
 Test Distance: 8.120m [K=1.0000]  
 Remarks:

### LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                     |       |                  |
|-------------------------------------------------------------------------------------|-------|------------------|
| Test:U:231.07V I:0.3054A P:68.573W PF:0.9718 Freq:49.99Hz<br>Lamp Flux:10574.3x1 lm |       |                  |
| NAME:                                                                               | TYPE: | WEIGHT:          |
| SPEC.: 4000K                                                                        | DIM.: | SERIAL No.:      |
| MFR.:                                                                               | SUR.: | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG)<br>γ (DEG) | 0    | 45   | 90   | 135  | 180  | 225  | 270  | 315  |  |  |  |  |  |  |  |  |  |  |
|--------------------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|
| 0                  | 4515 | 4515 | 4515 | 4515 | 4515 | 4515 | 4515 | 4515 |  |  |  |  |  |  |  |  |  |  |
| 5                  | 4578 | 4531 | 4476 | 4376 | 4439 | 4504 | 4522 | 4575 |  |  |  |  |  |  |  |  |  |  |
| 10                 | 4551 | 4590 | 4545 | 4365 | 4341 | 4419 | 4523 | 4494 |  |  |  |  |  |  |  |  |  |  |
| 15                 | 4410 | 4496 | 4463 | 4322 | 4231 | 4378 | 4544 | 4447 |  |  |  |  |  |  |  |  |  |  |
| 20                 | 4166 | 4265 | 4376 | 4164 | 4091 | 4337 | 4367 | 4266 |  |  |  |  |  |  |  |  |  |  |
| 25                 | 3812 | 3934 | 4101 | 3989 | 3905 | 4141 | 4126 | 3872 |  |  |  |  |  |  |  |  |  |  |
| 30                 | 3356 | 3424 | 3674 | 3715 | 3648 | 3836 | 3637 | 3424 |  |  |  |  |  |  |  |  |  |  |
| 35                 | 2869 | 2872 | 3118 | 3312 | 3329 | 3409 | 3071 | 2910 |  |  |  |  |  |  |  |  |  |  |
| 40                 | 2419 | 2379 | 2567 | 2858 | 2965 | 2868 | 2524 | 2438 |  |  |  |  |  |  |  |  |  |  |
| 45                 | 2052 | 2062 | 2175 | 2439 | 2538 | 2420 | 2207 | 2150 |  |  |  |  |  |  |  |  |  |  |
| 50                 | 1678 | 1868 | 1913 | 2097 | 2092 | 2112 | 2048 | 1934 |  |  |  |  |  |  |  |  |  |  |
| 55                 | 1259 | 1596 | 1590 | 1726 | 1623 | 1791 | 1652 | 1596 |  |  |  |  |  |  |  |  |  |  |
| 60                 | 996  | 1240 | 1175 | 1340 | 1213 | 1386 | 1155 | 1239 |  |  |  |  |  |  |  |  |  |  |
| 65                 | 804  | 930  | 862  | 1002 | 955  | 1060 | 842  | 913  |  |  |  |  |  |  |  |  |  |  |
| 70                 | 609  | 643  | 631  | 695  | 712  | 740  | 633  | 625  |  |  |  |  |  |  |  |  |  |  |
| 75                 | 450  | 432  | 458  | 484  | 493  | 489  | 456  | 439  |  |  |  |  |  |  |  |  |  |  |
| 80                 | 307  | 303  | 328  | 343  | 322  | 335  | 327  | 313  |  |  |  |  |  |  |  |  |  |  |
| 85                 | 165  | 215  | 258  | 237  | 177  | 245  | 276  | 232  |  |  |  |  |  |  |  |  |  |  |
| 90                 | 21.6 | 118  | 140  | 128  | 29.5 | 137  | 151  | 131  |  |  |  |  |  |  |  |  |  |  |
| 95                 | 11.1 | 61.7 | 73.8 | 64.2 | 16.5 | 69.3 | 84.2 | 67.5 |  |  |  |  |  |  |  |  |  |  |
| 100                | 12.4 | 77.3 | 102  | 84.0 | 16.7 | 90.5 | 129  | 93.6 |  |  |  |  |  |  |  |  |  |  |
| 105                | 14.2 | 70.1 | 108  | 76.1 | 18.1 | 79.1 | 119  | 74.7 |  |  |  |  |  |  |  |  |  |  |
| 110                | 16.5 | 63.8 | 89.9 | 69.2 | 20.3 | 72.5 | 95.2 | 68.2 |  |  |  |  |  |  |  |  |  |  |
| 115                | 17.5 | 59.1 | 83.4 | 64.1 | 22.0 | 67.8 | 88.2 | 61.2 |  |  |  |  |  |  |  |  |  |  |
| 120                | 17.9 | 54.2 | 78.5 | 57.5 | 22.3 | 59.7 | 83.5 | 54.4 |  |  |  |  |  |  |  |  |  |  |
| 125                | 19.1 | 51.6 | 74.0 | 54.7 | 22.8 | 59.6 | 77.7 | 55.1 |  |  |  |  |  |  |  |  |  |  |
| 130                | 19.8 | 48.4 | 71.9 | 48.5 | 23.0 | 55.3 | 74.4 | 51.5 |  |  |  |  |  |  |  |  |  |  |
| 135                | 20.7 | 48.0 | 68.9 | 44.3 | 22.6 | 49.8 | 72.4 | 51.4 |  |  |  |  |  |  |  |  |  |  |
| 140                | 22.2 | 45.6 | 59.6 | 38.7 | 22.2 | 43.4 | 63.5 | 48.0 |  |  |  |  |  |  |  |  |  |  |
| 145                | 23.4 | 37.4 | 60.4 | 31.0 | 22.3 | 33.4 | 62.9 | 39.5 |  |  |  |  |  |  |  |  |  |  |
| 150                | 24.6 | 35.0 | 54.0 | 28.8 | 23.5 | 30.9 | 55.6 | 36.8 |  |  |  |  |  |  |  |  |  |  |
| 155                | 25.9 | 33.1 | 42.3 | 27.8 | 24.9 | 29.9 | 44.1 | 34.5 |  |  |  |  |  |  |  |  |  |  |
| 160                | 27.2 | 30.9 | 37.3 | 27.3 | 26.5 | 29.2 | 39.0 | 31.9 |  |  |  |  |  |  |  |  |  |  |
| 165                | 28.7 | 28.7 | 32.4 | 26.8 | 28.1 | 28.6 | 34.0 | 29.5 |  |  |  |  |  |  |  |  |  |  |
| 170                | 29.4 | 28.6 | 28.7 | 27.3 | 29.4 | 28.5 | 30.2 | 29.2 |  |  |  |  |  |  |  |  |  |  |
| 175                | 30.1 | 29.2 | 27.9 | 28.0 | 29.9 | 29.8 | 29.9 | 29.3 |  |  |  |  |  |  |  |  |  |  |
| 180                | 30.5 | 29.7 | 26.2 | 28.6 | 30.5 | 29.7 | 26.1 | 28.2 |  |  |  |  |  |  |  |  |  |  |

C Range: 0 - 360DEG

C Interval: 45.0DEG

Test Speed: MEDIUM

Temperature:25.3℃

Operators:QC

Test Date:07 August 2025

γ Range: 0 - 180DEG

γ Interval: 0.1DEG

Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.460

Humidity:65.0%

Test Distance:8.120m [K=1.0000]

Remarks: