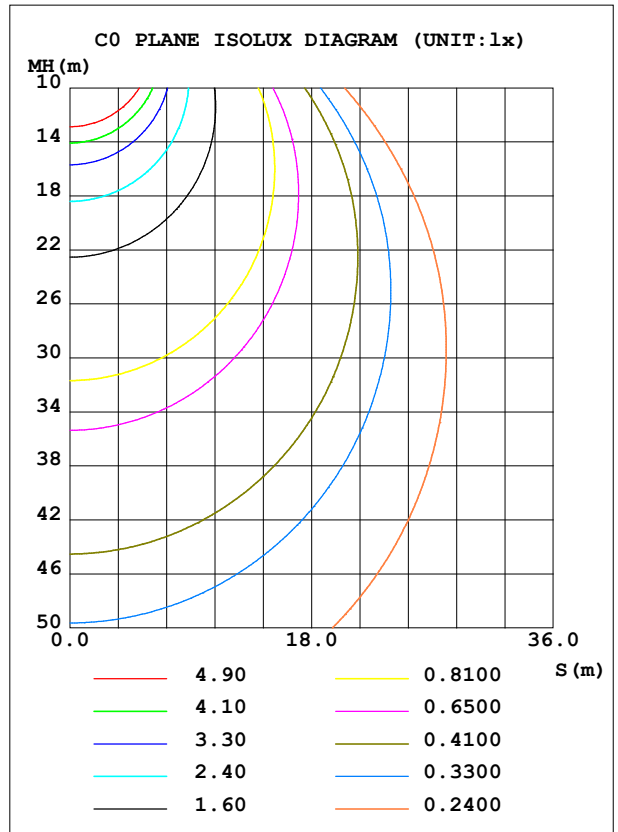
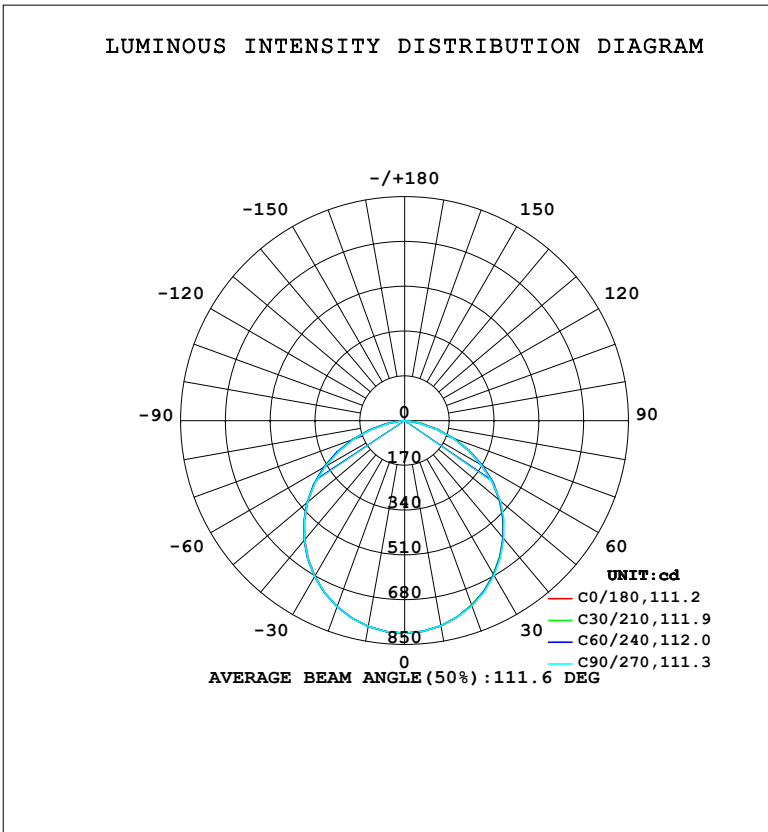


LUMINAIRE PHOTOMETRIC TEST REPORT

|                                                                                     |       |                  |
|-------------------------------------------------------------------------------------|-------|------------------|
| Test:U:220.45V I:0.1673A P:21.158W PF:0.5737 Freq:50.00Hz<br>Lamp Flux:2241.75x1 lm |       |                  |
| NAME:                                                                               | TYPE: | WEIGHT:          |
| SPEC.:                                                                              | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                      | SUR.: | Shielding Angle: |

| DATA OF LAMP      |         | PHOTOMETRIC DATA |        |                          |          |
|-------------------|---------|------------------|--------|--------------------------|----------|
| MODEL             | 123S    | Imax (cd)        | 806.9  | S/MH (C0/180)            | 1.26     |
| NOMINAL POWER (W) | 22      | LOR (%)          | 100.0  | S/MH (C90/270)           | 1.26     |
| RATED VOLTAGE (V) | 220     | TOTAL FLUX (lm)  | 2241.7 | $\eta$ UP, DN (C0-180)   | 0.0,49.7 |
| NOMINAL FLUX (lm) | 2241.75 | CIE CLASS        | DIRECT | $\eta$ UP, DN (C180-360) | 0.0,50.3 |
| LAMPS INSIDE      | 1       | $\eta$ up (%)    | 0.0    | CIBSE SHR NOM            | 1.25     |
| TEST VOLTAGE (V)  | 219.5   | $\eta$ down (%)  | 100.0  | CIBSE SHR MAX            | 1.35     |



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators: DAMIN  
 Test Date: 2024-01-26

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 5.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity: 65.0%  
 Test Distance: 9.401m [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       | 790.7                 | 791.0 | 791.6 | 792.8 | 793.4 | 793.1 | 793.4 | 791.8 | 0- 10    | 76.32       | 76.32        | 3.4,3.4   |
| 20       | 745.5                 | 746.5 | 747.4 | 749.6 | 750.9 | 750.9 | 751.4 | 748.2 | 10- 20   | 218.4       | 294.7        | 13.1,13.1 |
| 30       | 674.8                 | 676.2 | 677.8 | 680.7 | 682.3 | 682.7 | 683.6 | 678.7 | 20- 30   | 330.5       | 625.3        | 27.9,27.9 |
| 40       | 581.7                 | 583.6 | 585.5 | 589.3 | 590.8 | 591.9 | 593.0 | 587.0 | 30- 40   | 398.0       | 1023         | 45.6,45.6 |
| 50       | 470.7                 | 473.0 | 474.1 | 479.1 | 480.7 | 482.6 | 482.3 | 477.1 | 40- 50   | 412.5       | 1436         | 64,64     |
| 60       | 336.5                 | 348.6 | 337.6 | 353.8 | 349.1 | 355.8 | 348.2 | 350.5 | 50- 60   | 369.9       | 1806         | 80.5,80.5 |
| 70       | 196.8                 | 197.7 | 194.8 | 203.4 | 208.3 | 206.4 | 205.0 | 200.8 | 60- 70   | 272.0       | 2078         | 92.7,92.7 |
| 80       | 67.47                 | 59.99 | 57.71 | 63.08 | 75.20 | 66.88 | 64.89 | 62.91 | 70- 80   | 140.0       | 2218         | 98.9,98.9 |
| 90       | 1.393                 | 1.647 | 1.357 | 1.589 | 1.686 | 1.959 | 1.707 | 1.897 | 80- 90   | 24.05       | 2242         | 100,100   |
| 100      |                       |       |       |       |       |       |       |       | 90-100   |             |              |           |
| 110      |                       |       |       |       |       |       |       |       | 100-110  |             |              |           |
| 120      |                       |       |       |       |       |       |       |       | 110-120  |             |              |           |
| 130      |                       |       |       |       |       |       |       |       | 120-130  |             |              |           |
| 140      |                       |       |       |       |       |       |       |       | 130-140  |             |              |           |
| 150      |                       |       |       |       |       |       |       |       | 140-150  |             |              |           |
| 160      |                       |       |       |       |       |       |       |       | 150-160  |             |              |           |
| 170      |                       |       |       |       |       |       |       |       | 160-170  |             |              |           |
| 180      |                       |       |       |       |       |       |       |       | 170-180  |             |              |           |
| DEG      | LUMINOUS INTENSITY:cd |       |       |       |       |       |       |       |          | UNIT:lm     |              |           |

Conical surface Flux(90deg): 1231.2 lm

%lum = 54.9%

%lamp = 54.9%

Conical surface Flux(130deg): 1956.7 lm

%lum = 87.3%

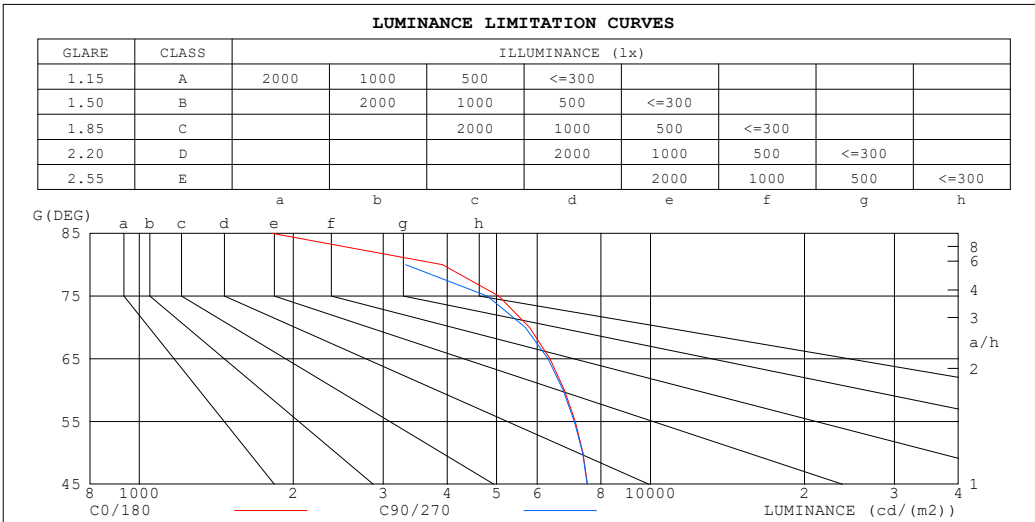
%lamp = 87.3%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2024-01-26

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity:65.0%  
 Test Distance:9.401m [K=1.0000]  
 Remarks:

**LUMINANCE LIMITATION CURVES**

|                                                                                     |       |                  |
|-------------------------------------------------------------------------------------|-------|------------------|
| Test:U:220.45V I:0.1673A P:21.158W PF:0.5737 Freq:50.00Hz<br>Lamp Flux:2241.75x1 lm |       |                  |
| NAME:                                                                               | TYPE: | WEIGHT:          |
| SPEC.:                                                                              | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                      | SUR.: | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 1816   | 487     |
| 80                | 3914   | 3319    |
| 75                | 5050   | 4790    |
| 70                | 5795   | 5688    |
| 65                | 6354   | 6301    |
| 60                | 6780   | 6743    |
| 55                | 7124   | 7091    |
| 50                | 7377   | 7365    |
| 45                | 7528   | 7520    |

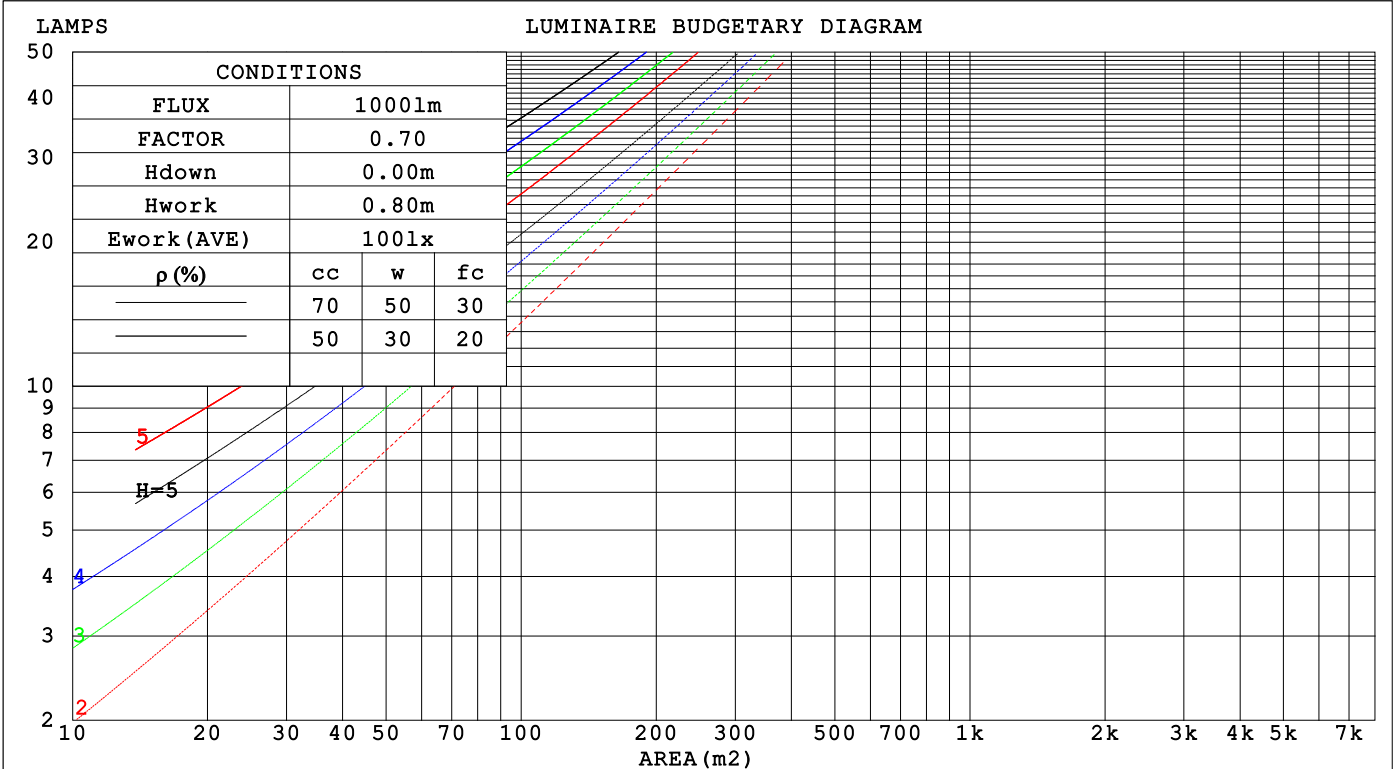
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2024-01-26

γ Range: 0 - 90DEG  
 γ Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity:65.0%  
 Test Distance:9.401m [K=1.0000]  
 Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

|                                                                                     |       |                  |
|-------------------------------------------------------------------------------------|-------|------------------|
| Test:U:220.45V I:0.1673A P:21.158W PF:0.5737 Freq:50.00Hz<br>Lamp Flux:2241.75x1 lm |       |                  |
| NAME:                                                                               | TYPE: | WEIGHT:          |
| SPEC.:                                                                              | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                      | 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  | 1.19                                                       | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 1.00 |
| 1.0  | 1.05                                                       | 1.00 | .97  | 1.02 | .99  | .95  | .98  | .95  | .92  | .94  | .92  | .89  | .91  | .89  | .87  | .85  |
| 2.0  | .91                                                        | .85  | .79  | .89  | .83  | .78  | .86  | .81  | .76  | .83  | .78  | .74  | .80  | .76  | .73  | .71  |
| 3.0  | .80                                                        | .72  | .66  | .79  | .71  | .65  | .76  | .69  | .64  | .73  | .67  | .63  | .70  | .66  | .62  | .60  |
| 4.0  | .71                                                        | .62  | .56  | .70  | .62  | .55  | .67  | .60  | .55  | .65  | .59  | .54  | .63  | .57  | .53  | .51  |
| 5.0  | .63                                                        | .55  | .48  | .62  | .54  | .48  | .60  | .53  | .47  | .58  | .52  | .47  | .56  | .51  | .46  | .44  |
| 6.0  | .57                                                        | .48  | .42  | .56  | .48  | .42  | .54  | .47  | .41  | .53  | .46  | .41  | .51  | .45  | .41  | .38  |
| 7.0  | .52                                                        | .43  | .37  | .51  | .43  | .37  | .49  | .42  | .37  | .48  | .41  | .36  | .47  | .41  | .36  | .34  |
| 8.0  | .47                                                        | .39  | .33  | .47  | .38  | .33  | .45  | .38  | .33  | .44  | .37  | .32  | .43  | .37  | .32  | .30  |
| 9.0  | .43                                                        | .35  | .30  | .43  | .35  | .30  | .42  | .34  | .29  | .41  | .34  | .29  | .39  | .33  | .29  | .27  |
| 10.0 | .40                                                        | .32  | .27  | .39  | .32  | .27  | .38  | .31  | .27  | .38  | .31  | .27  | .37  | .31  | .26  | .25  |



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2024-01-26

γ Range: 0 - 90DEG  
 γ Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity:65.0%  
 Test Distance:9.401m [K=1.0000]  
 Remarks:

WEC AND CCEC

|                                                           |  |  |       |  |  |                  |  |  |
|-----------------------------------------------------------|--|--|-------|--|--|------------------|--|--|
| Test:U:220.45V I:0.1673A P:21.158W PF:0.5737 Freq:50.00Hz |  |  |       |  |  |                  |  |  |
| Lamp Flux:2241.75x1 lm                                    |  |  |       |  |  |                  |  |  |
| NAME:                                                     |  |  | TYPE: |  |  | WEIGHT:          |  |  |
| SPEC.:                                                    |  |  | DIM.: |  |  | SERIAL No.:      |  |  |
| MFR.: EVERFINE                                            |  |  | SUR.: |  |  | Shielding Angle: |  |  |

| $\rho_{CC}$ | 80%                   |      |      | 70%  |      |      | 50%                              |      |      | 30%  |      |      | 10%  |      |      | 0 |
|-------------|-----------------------|------|------|------|------|------|----------------------------------|------|------|------|------|------|------|------|------|---|
| $\rho_w$    | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                              | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| $\rho_{fc}$ | 20%                   |      |      | 20%  |      |      | 20%                              |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR         | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients (WEC) |      |      |      |      |      |      |      |      |   |
| 0.0         |                       |      |      |      |      |      |                                  |      |      |      |      |      |      |      |      |   |
| 1.0         | .297                  | .169 | .054 | .290 | .166 | .053 | .277                             | .159 | .051 | .265 | .153 | .049 | .254 | .147 | .047 |   |
| 2.0         | .284                  | .156 | .048 | .278 | .153 | .047 | .266                             | .148 | .046 | .255 | .143 | .045 | .245 | .139 | .044 |   |
| 3.0         | .265                  | .141 | .042 | .259 | .139 | .042 | .249                             | .135 | .041 | .239 | .131 | .040 | .231 | .128 | .040 |   |
| 4.0         | .245                  | .128 | .037 | .241 | .126 | .037 | .231                             | .123 | .037 | .223 | .120 | .036 | .215 | .117 | .036 |   |
| 5.0         | .228                  | .116 | .034 | .223 | .115 | .033 | .215                             | .112 | .033 | .208 | .110 | .033 | .201 | .107 | .032 |   |
| 6.0         | .212                  | .106 | .030 | .208 | .105 | .030 | .200                             | .103 | .030 | .194 | .101 | .030 | .187 | .099 | .029 |   |
| 7.0         | .197                  | .097 | .028 | .194 | .097 | .028 | .187                             | .095 | .027 | .181 | .093 | .027 | .176 | .091 | .027 |   |
| 8.0         | .184                  | .090 | .025 | .181 | .089 | .025 | .176                             | .088 | .025 | .170 | .086 | .025 | .165 | .085 | .025 |   |
| 9.0         | .173                  | .084 | .023 | .170 | .083 | .023 | .165                             | .082 | .023 | .160 | .080 | .023 | .156 | .079 | .023 |   |
| 10.0        | .163                  | .078 | .022 | .160 | .077 | .022 | .156                             | .076 | .021 | .151 | .075 | .021 | .147 | .074 | .021 |   |

| $\rho_{CC}$ | 80%                   |      |      | 70%  |      |      | 50%                                         |      |      | 30%  |      |      | 10%  |      |      | 0 |
|-------------|-----------------------|------|------|------|------|------|---------------------------------------------|------|------|------|------|------|------|------|------|---|
| $\rho_w$    | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                                         | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| $\rho_{fc}$ | 20%                   |      |      | 20%  |      |      | 20%                                         |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR         | RCR:Room Cavity Ratio |      |      |      |      |      | Ceiling Cavity Exitance Coefficients (CCEC) |      |      |      |      |      |      |      |      |   |
| 0.0         |                       |      |      |      |      |      |                                             |      |      |      |      |      |      |      |      |   |
| 1.0         | .190                  | .190 | .190 | .163 | .163 | .163 | .111                                        | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 |   |
| 2.0         | .171                  | .132 | .099 | .147 | .114 | .086 | .100                                        | .079 | .060 | .058 | .046 | .035 | .019 | .015 | .011 |   |
| 3.0         | .163                  | .114 | .075 | .140 | .099 | .065 | .096                                        | .068 | .046 | .056 | .040 | .027 | .018 | .013 | .009 |   |
| 4.0         | .156                  | .101 | .059 | .134 | .087 | .051 | .092                                        | .061 | .036 | .053 | .036 | .021 | .017 | .012 | .007 |   |
| 5.0         | .149                  | .090 | .048 | .128 | .078 | .041 | .088                                        | .055 | .029 | .051 | .032 | .017 | .016 | .010 | .006 |   |
| 6.0         | .142                  | .082 | .039 | .122 | .071 | .034 | .084                                        | .050 | .024 | .049 | .029 | .014 | .016 | .010 | .005 |   |
| 7.0         | .135                  | .075 | .033 | .116 | .065 | .029 | .080                                        | .046 | .021 | .047 | .027 | .012 | .015 | .009 | .004 |   |
| 8.0         | .128                  | .069 | .029 | .111 | .060 | .025 | .076                                        | .042 | .018 | .044 | .025 | .011 | .014 | .008 | .004 |   |
| 9.0         | .122                  | .064 | .025 | .105 | .056 | .022 | .073                                        | .039 | .016 | .043 | .023 | .009 | .014 | .008 | .003 |   |
| 10.0        | .117                  | .060 | .023 | .101 | .052 | .020 | .070                                        | .037 | .014 | .041 | .022 | .008 | .013 | .007 | .003 |   |

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2024-01-26

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity:65.0%  
 Test Distance:9.401m [K=1.0000]  
 Remarks:

**UGR(Unified Glare Rating) Table**

|                                                                 |                  |      |       |      |      |                |                  |      |      |      |
|-----------------------------------------------------------------|------------------|------|-------|------|------|----------------|------------------|------|------|------|
| Test:U:220.45V I:0.1673A P:21.158W PF:0.5737 Freq:50.00Hz       |                  |      |       |      |      |                |                  |      |      |      |
| Lamp Flux:2241.75x1 lm                                          |                  |      |       |      |      |                |                  |      |      |      |
| NAME:                                                           |                  |      | TYPE: |      |      |                | WEIGHT:          |      |      |      |
| SPEC.:                                                          |                  |      | DIM.: |      |      |                | SERIAL No.:      |      |      |      |
| MFR.: EVERFINE                                                  |                  |      | 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                                                   | 16.9             | 18.4 | 17.2  | 18.6 | 18.8 | 16.9           | 18.4             | 17.2 | 18.6 | 18.8 |
| 3H                                                              | 18.2             | 19.6 | 18.5  | 19.9 | 20.1 | 18.2           | 19.6             | 18.5 | 19.8 | 20.1 |
| 4H                                                              | 18.7             | 20.0 | 19.0  | 20.3 | 20.5 | 18.6           | 20.0             | 19.0 | 20.2 | 20.5 |
| 6H                                                              | 18.9             | 20.2 | 19.3  | 20.5 | 20.7 | 18.8           | 20.1             | 19.1 | 20.3 | 20.6 |
| 8H                                                              | 18.9             | 20.1 | 19.3  | 20.4 | 20.7 | 18.8           | 20.0             | 19.1 | 20.2 | 20.5 |
| 12H                                                             | 18.9             | 20.0 | 19.2  | 20.3 | 20.6 | 18.7           | 19.9             | 19.1 | 20.2 | 20.5 |
| 4H 2H                                                           | 17.5             | 18.8 | 17.8  | 19.0 | 19.3 | 17.5           | 18.8             | 17.8 | 19.0 | 19.3 |
| 3H                                                              | 19.0             | 20.1 | 19.3  | 20.4 | 20.7 | 18.9           | 20.1             | 19.3 | 20.4 | 20.7 |
| 4H                                                              | 19.5             | 20.6 | 19.9  | 20.9 | 21.2 | 19.5           | 20.5             | 19.8 | 20.8 | 21.2 |
| 6H                                                              | 19.8             | 20.8 | 20.2  | 21.1 | 21.5 | 19.7           | 20.6             | 20.1 | 21.0 | 21.3 |
| 8H                                                              | 19.8             | 20.7 | 20.2  | 21.1 | 21.4 | 19.6           | 20.5             | 20.1 | 20.9 | 21.3 |
| 12H                                                             | 19.8             | 20.6 | 20.2  | 21.0 | 21.4 | 19.6           | 20.4             | 20.0 | 20.8 | 21.2 |
| 8H 4H                                                           | 19.7             | 20.6 | 20.1  | 20.9 | 21.3 | 19.6           | 20.5             | 20.0 | 20.8 | 21.2 |
| 6H                                                              | 20.0             | 20.8 | 20.5  | 21.2 | 21.6 | 19.9           | 20.6             | 20.3 | 21.0 | 21.4 |
| 8H                                                              | 20.0             | 20.7 | 20.5  | 21.1 | 21.6 | 19.9           | 20.5             | 20.3 | 20.9 | 21.4 |
| 12H                                                             | 20.1             | 20.6 | 20.5  | 21.0 | 21.5 | 19.8           | 20.4             | 20.3 | 20.8 | 21.3 |
| 12H 4H                                                          | 19.7             | 20.5 | 20.1  | 20.8 | 21.2 | 19.6           | 20.4             | 20.0 | 20.8 | 21.2 |
| 6H                                                              | 20.0             | 20.7 | 20.5  | 21.1 | 21.5 | 19.9           | 20.5             | 20.3 | 20.9 | 21.4 |
| 8H                                                              | 20.0             | 20.6 | 20.5  | 21.0 | 21.5 | 19.8           | 20.4             | 20.3 | 20.8 | 21.3 |
| Variations with the observer position at spacings(CIE Pub.117): |                  |      |       |      |      |                |                  |      |      |      |
| S = 1.0H                                                        | + 0.1 / - 0.2    |      |       |      |      | + 0.2 / - 0.2  |                  |      |      |      |
| 1.5H                                                            | + 0.2 / - 0.4    |      |       |      |      | + 0.2 / - 0.4  |                  |      |      |      |
| 2.0H                                                            | + 0.3 / - 0.5    |      |       |      |      | + 0.3 / - 0.5  |                  |      |      |      |

CIE Pub.117, 2242 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.8)  
 Area: 0.1 m2

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2024-01-26

γ Range: 0 - 90DEG  
 γ Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity:65.0%  
 Test Distance:9.401m [K=1.0000]  
 Remarks:

**UTILIZATION FACTORS TABLE**

|                                                                                     |       |                  |
|-------------------------------------------------------------------------------------|-------|------------------|
| Test:U:220.45V I:0.1673A P:21.158W PF:0.5737 Freq:50.00Hz<br>Lamp Flux:2241.75x1 lm |       |                  |
| NAME:                                                                               | TYPE: | WEIGHT:          |
| SPEC.:                                                                              | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                      | SUR.: | Shielding Angle: |

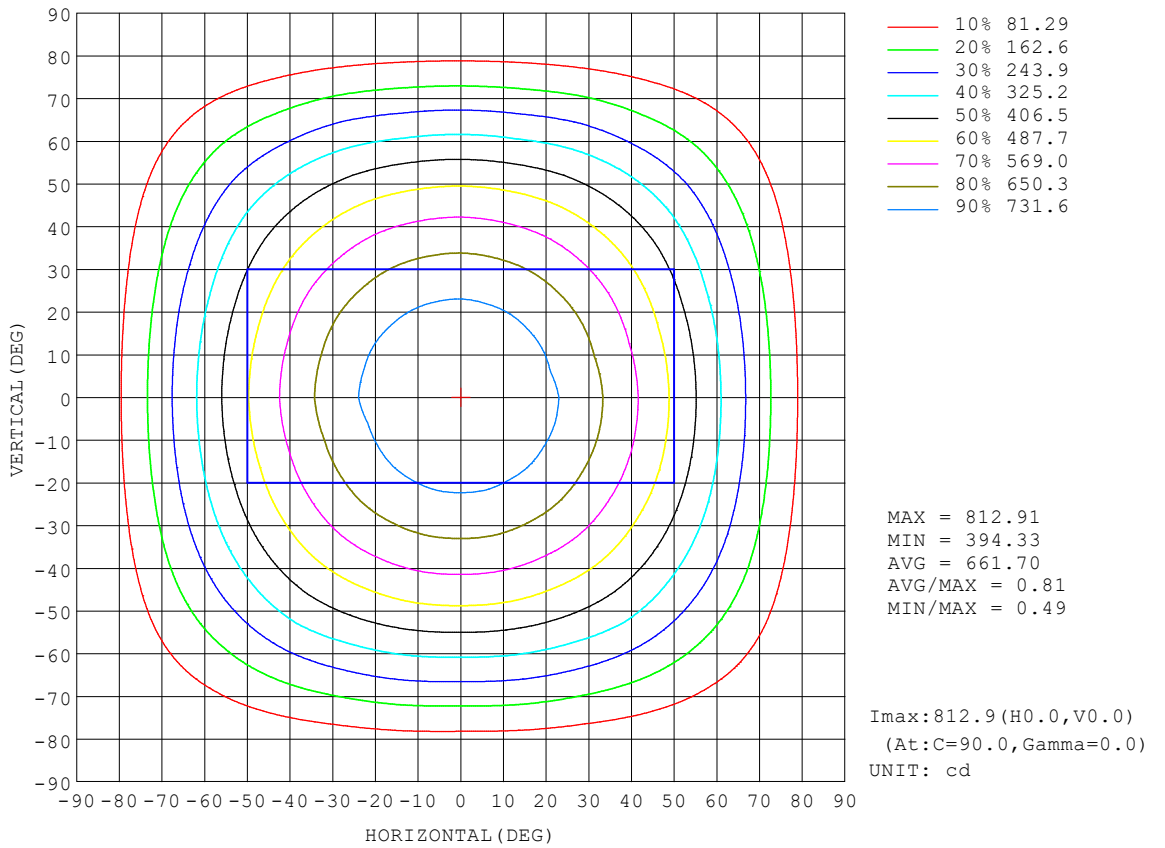
| REFLECTANCE                      |                                                      |     |           |     |     |     |               |     |     |        |
|----------------------------------|------------------------------------------------------|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| 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                         | 58                                                   | 46  | 40        | 57  | 46  | 39  | 56            | 46  | 39  | 33     |
| 0.80                             | 68                                                   | 57  | 49        | 67  | 56  | 49  | 65            | 55  | 49  | 42     |
| 1.00                             | 77                                                   | 66  | 59        | 75  | 65  | 58  | 73            | 67  | 58  | 51     |
| 1.25                             | 84                                                   | 74  | 67        | 82  | 73  | 66  | 80            | 71  | 65  | 58     |
| 1.50                             | 89                                                   | 79  | 72        | 87  | 78  | 72  | 84            | 76  | 71  | 63     |
| 2.00                             | 96                                                   | 87  | 81        | 94  | 86  | 80  | 90            | 84  | 79  | 71     |
| 2.50                             | 100                                                  | 92  | 86        | 98  | 91  | 85  | 94            | 88  | 83  | 75     |
| 3.00                             | 103                                                  | 96  | 91        | 101 | 95  | 90  | 97            | 92  | 88  | 79     |
| 4.00                             | 107                                                  | 101 | 97        | 104 | 100 | 95  | 100           | 96  | 93  | 84     |
| 5.00                             | 109                                                  | 105 | 101       | 107 | 103 | 99  | 102           | 99  | 96  | 87     |
| ROOM INDEX                       | UF(total)                                            |     |           |     |     |     |               |     |     | Direct |
| According to DIN EN 13032-2 2004 |                                                      |     | Suspended |     |     |     | SHRNOM = 1.25 |     |     |        |

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2024-01-26

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity:65.0%  
 Test Distance:9.401m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

|                                                                                     |       |                  |
|-------------------------------------------------------------------------------------|-------|------------------|
| Test:U:220.45V I:0.1673A P:21.158W PF:0.5737 Freq:50.00Hz<br>Lamp Flux:2241.75x1 lm |       |                  |
| NAME:                                                                               | TYPE: | WEIGHT:          |
| SPEC.:                                                                              | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                      | SUR.: | Shielding Angle: |



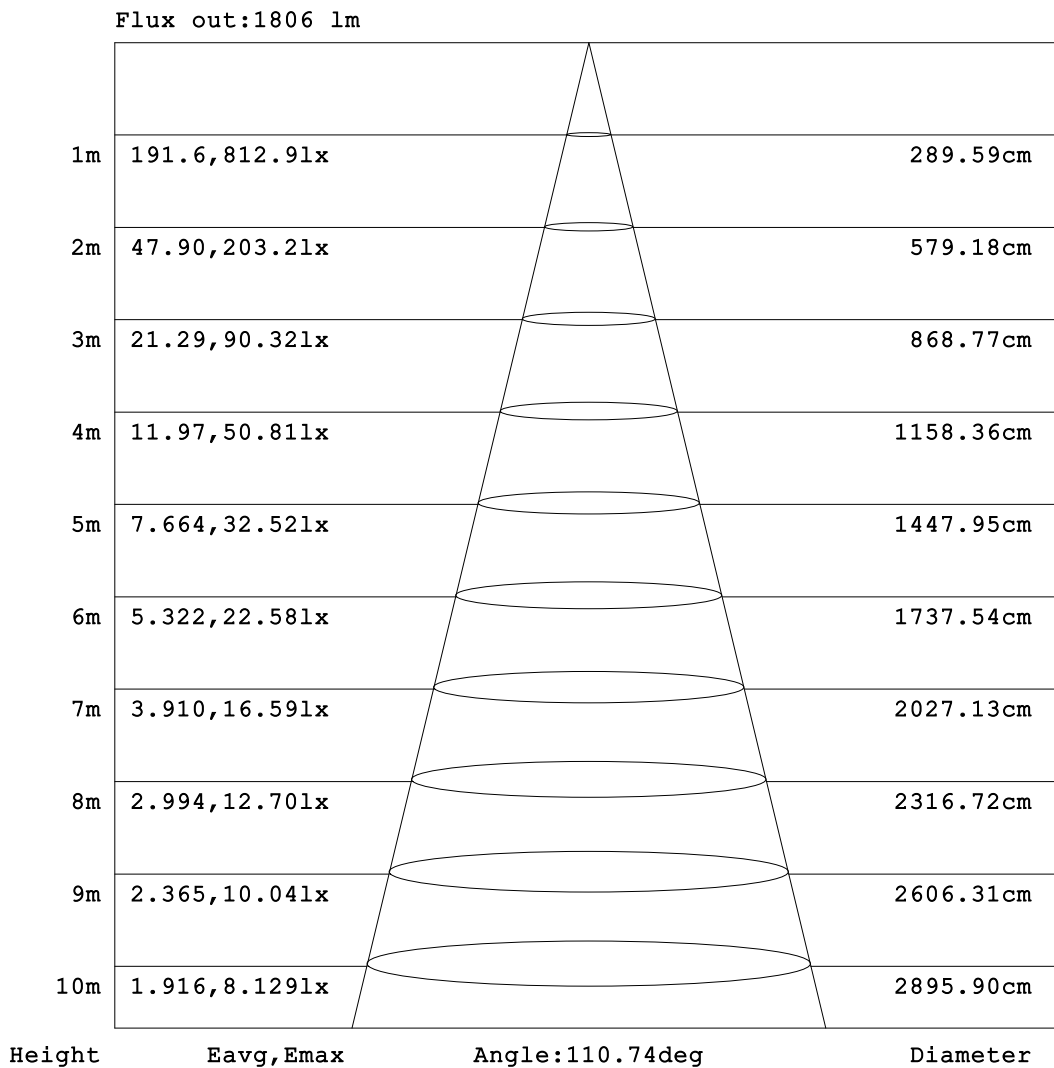
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2024-01-26

γ Range: 0 - 90DEG  
 γ Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity:65.0%  
 Test Distance:9.401m [K=1.0000]  
 Remarks:



**AAI Figure**

|                                                                                     |       |                  |
|-------------------------------------------------------------------------------------|-------|------------------|
| Test:U:220.45V I:0.1673A P:21.158W PF:0.5737 Freq:50.00Hz<br>Lamp Flux:2241.75x1 lm |       |                  |
| NAME:                                                                               | TYPE: | WEIGHT:          |
| SPEC.:                                                                              | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                      | SUR.: | Shielding Angle: |



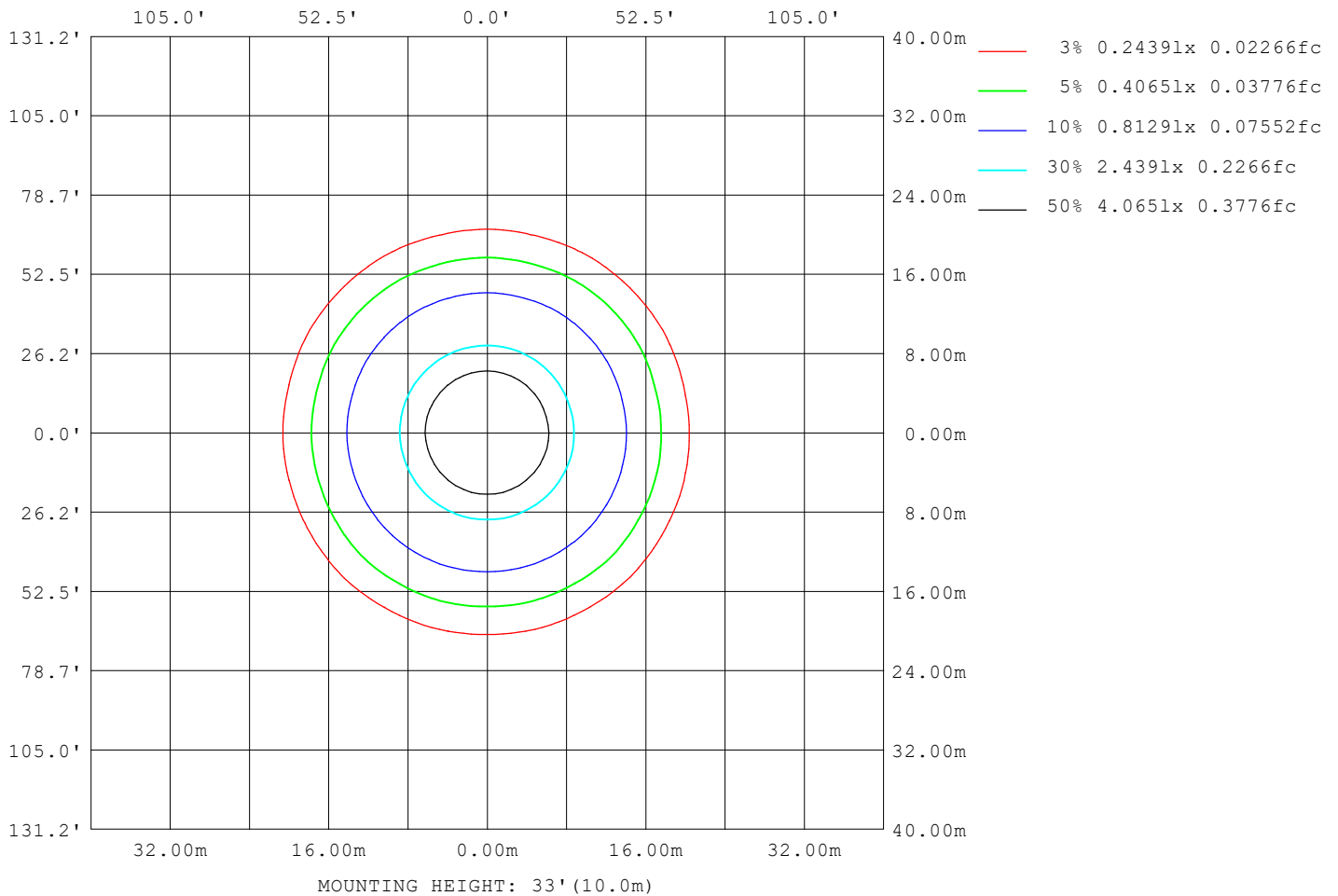
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators: DAMIN  
 Test Date: 2024-01-26

γ Range: 0 - 90DEG  
 γ Interval: 5.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity: 65.0%  
 Test Distance: 9.401m [K=1.0000]  
 Remarks:

**ISOLUX DIAGRAM**

|                                                                                     |       |                  |
|-------------------------------------------------------------------------------------|-------|------------------|
| Test:U:220.45V I:0.1673A P:21.158W PF:0.5737 Freq:50.00Hz<br>Lamp Flux:2241.75x1 lm |       |                  |
| NAME:                                                                               | TYPE: | WEIGHT:          |
| SPEC.:                                                                              | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                      | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2024-01-26

γ Range: 0 - 90DEG  
 γ Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity:65.0%  
 Test Distance:9.401m [K=1.0000]  
 Remarks:

**LED Avg.L Report**

|                                                                                     |       |                  |
|-------------------------------------------------------------------------------------|-------|------------------|
| Test:U:220.45V I:0.1673A P:21.158W PF:0.5737 Freq:50.00Hz<br>Lamp Flux:2241.75x1 lm |       |                  |
| NAME:                                                                               | TYPE: | WEIGHT:          |
| SPEC.:                                                                              | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                      | SUR.: | Shielding Angle: |

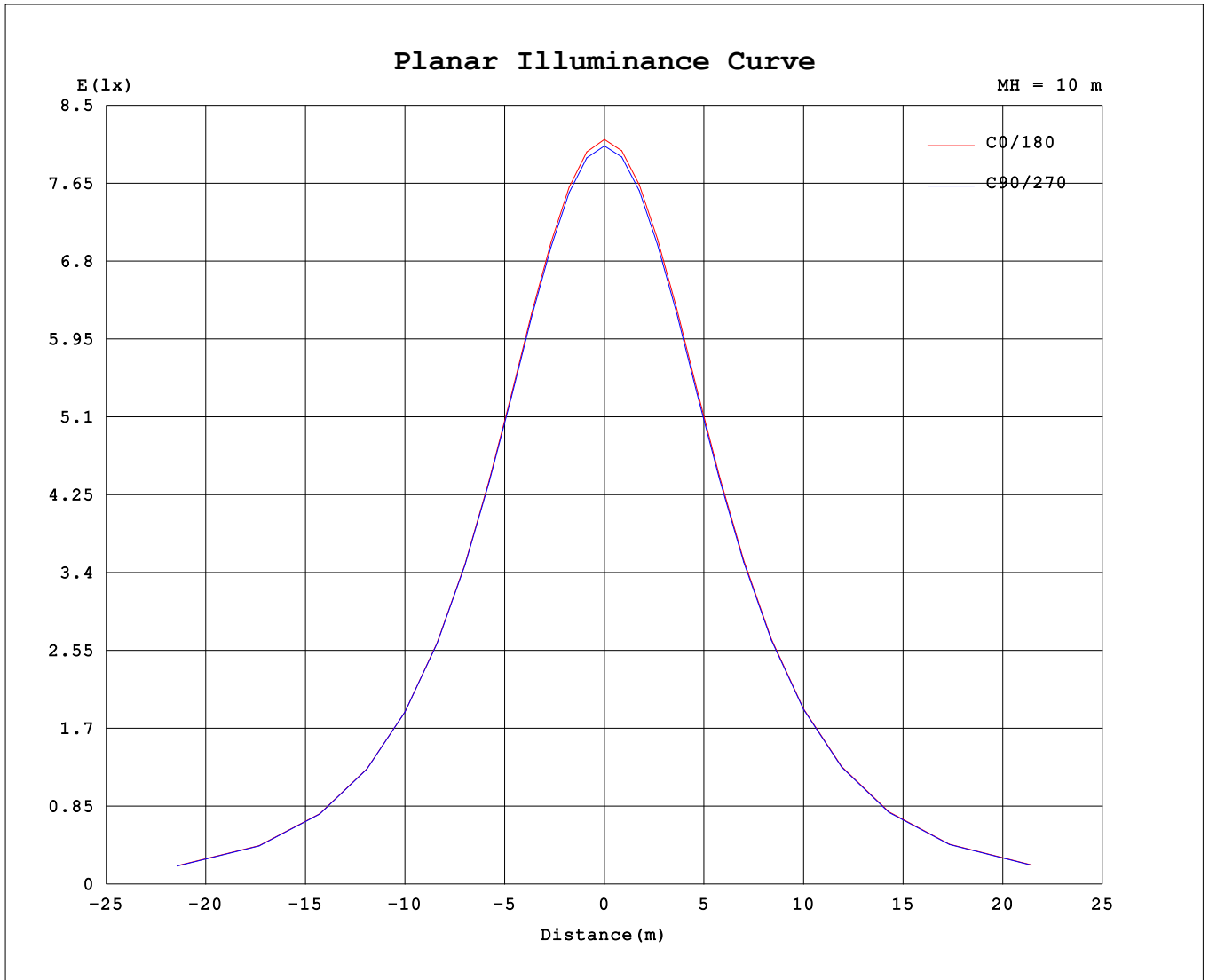
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 6453  |
| L_0~180 (75) av  | 5196  |
| L_0~180 (85) av  | 2139  |
| L_90~270 (65) av | 6432  |
| L_90~270 (75) av | 4963  |
| L_90~270 (85) av | 659   |
| L_45 (65) av     | 6558  |
| L_45 (75) av     | 5040  |
| L_45 (85) av     | 1261  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2024-01-26

γ Range: 0 - 90DEG  
 γ Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity:65.0%  
 Test Distance:9.401m [K=1.0000]  
 Remarks:

**Planar Illuminance Curve**



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators: DAMIN  
 Test Date: 2024-01-26

γ Range: 0 - 90DEG  
 γ Interval: 5.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity: 65.0%  
 Test Distance: 9.401m [K=1.0000]  
 Remarks:



