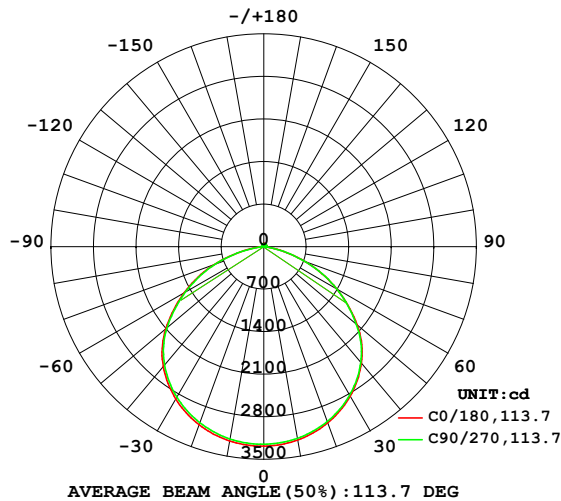


## LUMINAIRE PHOTOMETRIC TEST REPORT

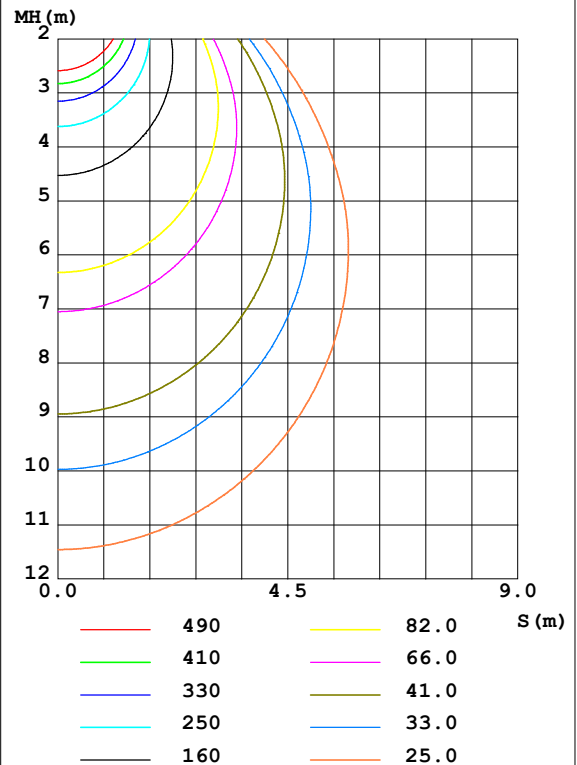
|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:218.65V I:0.2865A P:61.316W PF:0.9788 Freq:49.99Hz Lamp Flux:9504.95x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                   | SUR.: | Shielding Angle: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA Eff: 155.01 lm/W |        |                   |          |
|------------------|---------|-----------------------------------|--------|-------------------|----------|
| MODEL            |         | I <sub>max</sub> (cd)             | 3282   | S/MH (C0/180)     | 1.31     |
| NOMINAL POWER(W) | 60      | LOR(%)                            | 100.0  | S/MH (C90/270)    | 1.31     |
| RATED VOLTAGE(V) | 220.0   | TOTAL FLUX(lm)                    | 9504.9 | η UP,DN(C0-180)   | 1.2,47.6 |
| NOMINAL FLUX(lm) | 9504.95 | CIE CLASS                         | DIRECT | η UP,DN(C180-360) | 1.1,50.1 |
| LAMPS INSIDE     | 1       | η up (%)                          | 2.3    | CIBSE SHR NOM     | 1.25     |
| TEST VOLTAGE(V)  | 220.0   | η down (%)                        | 97.7   | CIBSE SHR MAX     | 1.35     |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-11-10

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:9.250m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

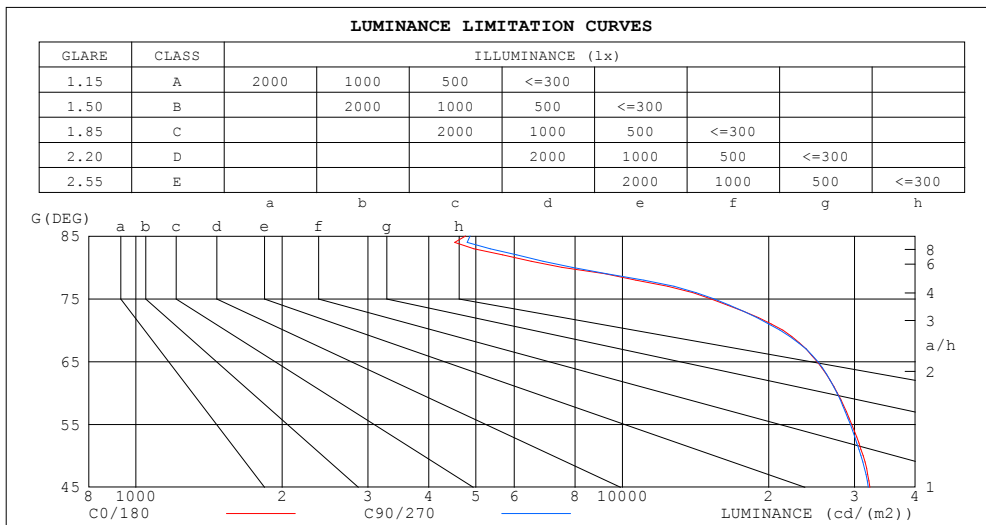
| $\gamma$ | C0                    | C90   | C180  | C270  |  |  |  |  | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|-------|-------|-------|--|--|--|--|----------|-------------|--------------|------------|
| 10       | 3230                  | 3202  | 3246  | 3214  |  |  |  |  | 0- 10    | 309.7       | 309.7        | 3.26,3.26  |
| 20       | 3084                  | 3060  | 3118  | 3083  |  |  |  |  | 10- 20   | 894.2       | 1204         | 12.7,12.7  |
| 30       | 2844                  | 2825  | 2896  | 2862  |  |  |  |  | 20- 30   | 1376        | 2580         | 27.1,27.1  |
| 40       | 2500                  | 2484  | 2574  | 2540  |  |  |  |  | 30- 40   | 1692        | 4271         | 44.9,44.9  |
| 50       | 2010                  | 1990  | 2104  | 2081  |  |  |  |  | 40- 50   | 1778        | 6049         | 63.6,63.6  |
| 60       | 1383                  | 1381  | 1509  | 1484  |  |  |  |  | 50- 60   | 1560        | 7609         | 80.1,80.1  |
| 70       | 731.0                 | 721.5 | 877.5 | 853.9 |  |  |  |  | 60- 70   | 1110        | 8719         | 91.7,91.7  |
| 80       | 130.4                 | 137.0 | 234.1 | 218.2 |  |  |  |  | 70- 80   | 494.6       | 9214         | 96.9,96.9  |
| 90       | 34.84                 | 34.62 | 20.17 | 19.88 |  |  |  |  | 80- 90   | 72.29       | 9286         | 97.7,97.7  |
| 100      | 31.03                 | 30.82 | 21.85 | 21.62 |  |  |  |  | 90-100   | 29.01       | 9315         | 98,98      |
| 110      | 31.30                 | 31.18 | 26.60 | 26.40 |  |  |  |  | 100-110  | 28.95       | 9344         | 98.3,98.3  |
| 120      | 33.78                 | 33.64 | 32.02 | 31.75 |  |  |  |  | 110-120  | 30.54       | 9374         | 98.6,98.6  |
| 130      | 37.28                 | 37.13 | 37.57 | 37.23 |  |  |  |  | 120-130  | 31.35       | 9406         | 99,99      |
| 140      | 41.35                 | 41.16 | 42.80 | 42.37 |  |  |  |  | 130-140  | 30.65       | 9436         | 99.3,99.3  |
| 150      | 45.18                 | 45.00 | 46.85 | 46.30 |  |  |  |  | 140-150  | 27.55       | 9464         | 99.6,99.6  |
| 160      | 48.46                 | 48.34 | 49.84 | 49.20 |  |  |  |  | 150-160  | 21.93       | 9486         | 99.8,99.8  |
| 170      | 50.86                 | 50.80 | 51.79 | 51.09 |  |  |  |  | 160-170  | 14.18       | 9500         | 99.9,99.9  |
| 180      | 52.33                 | 52.24 | 52.72 | 51.91 |  |  |  |  | 170-180  | 4.925       | 9505         | 100,100    |
| DEG      | LUMINOUS INTENSITY:cd |       |       |       |  |  |  |  |          | UNIT:lm     |              |            |

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-11-10

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:9.250m [K=1.0000]  
Remarks:

### LUMINANCE LIMITATION CURVES

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:218.65V I:0.2865A P:61.316W PF:0.9788 Freq:49.99Hz Lamp Flux:9504.95x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                   | SUR.: | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 4766   | 4867    |
| 80                | 7510   | 7890    |
| 75                | 15171  | 15409   |
| 70                | 21372  | 21095   |
| 65                | 25132  | 25218   |
| 60                | 27669  | 27629   |
| 55                | 29611  | 29424   |
| 50                | 31269  | 30958   |
| 45                | 32263  | 32031   |

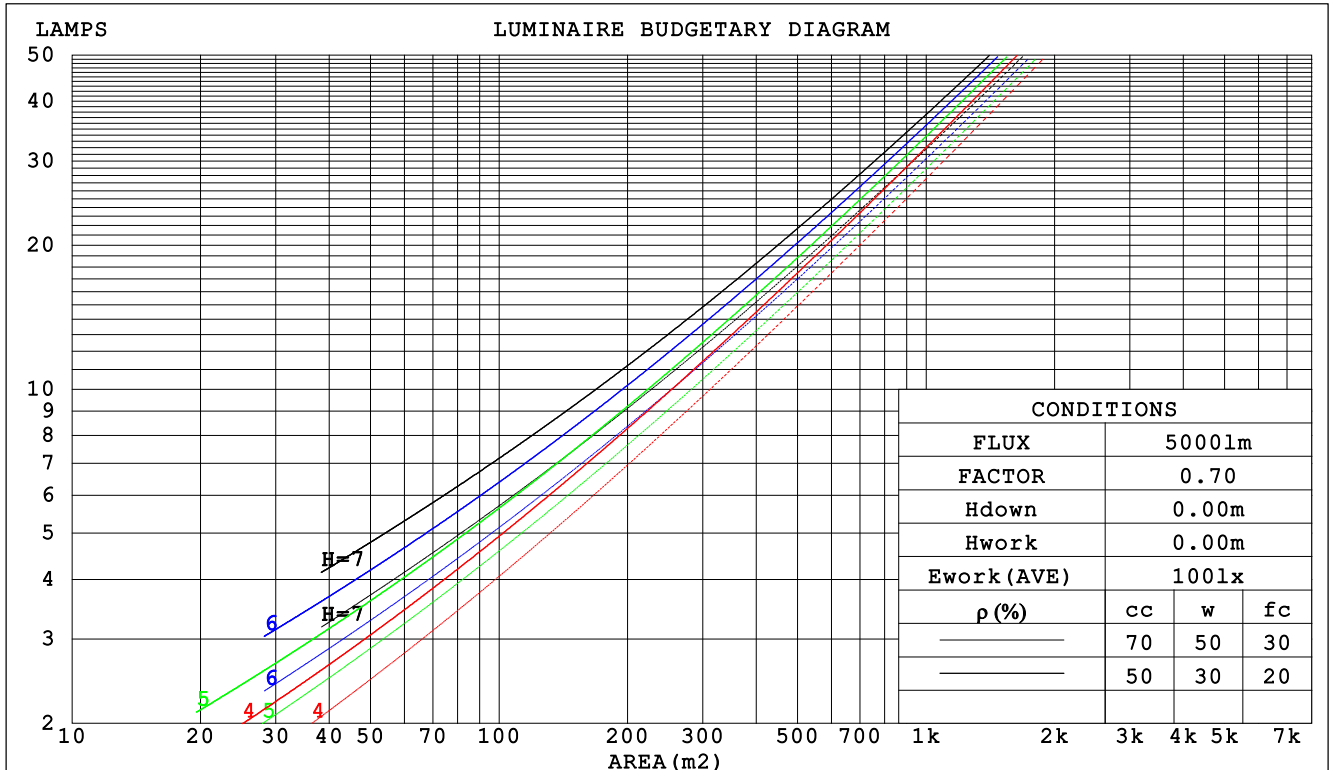
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2024-11-10

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
 Humidity: 65.0%  
 Test Distance: 9.250m [K=1.0000]  
 Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:218.65V I:0.2865A P:61.316W PF:0.9788 Freq:49.99Hz Lamp Flux:9504.95x1 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                   | Coefficients of Utilization(CU) |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |
| RCR:Room Cavity Ratio |                                 |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |
| 0.0                   | 1.18                            | 1.18 | 1.18 | 1.15 | 1.15 | 1.15 | 1.10 | 1.10 | 1.10 | 1.05 | 1.05 | 1.05 | .00 | .00 | .00 | .98 |
| 1.0                   | 1.04                            | 1.00 | .97  | 1.02 | .98  | .95  | .97  | .94  | .92  | .93  | .91  | .88  | .89 | .87 | .85 | .83 |
| 2.0                   | .91                             | .85  | .79  | .89  | .83  | .78  | .85  | .80  | .76  | .82  | .78  | .74  | .78 | .75 | .72 | .70 |
| 3.0                   | .80                             | .72  | .66  | .79  | .71  | .65  | .75  | .69  | .64  | .72  | .67  | .62  | .69 | .65 | .61 | .59 |
| 4.0                   | .71                             | .63  | .56  | .70  | .62  | .55  | .67  | .60  | .54  | .64  | .58  | .53  | .62 | .57 | .53 | .50 |
| 5.0                   | .64                             | .55  | .48  | .62  | .54  | .48  | .60  | .53  | .47  | .58  | .51  | .46  | .56 | .50 | .46 | .43 |
| 6.0                   | .57                             | .48  | .42  | .56  | .48  | .42  | .54  | .47  | .41  | .52  | .46  | .41  | .50 | .45 | .40 | .38 |
| 7.0                   | .52                             | .43  | .37  | .51  | .43  | .37  | .49  | .42  | .36  | .47  | .41  | .36  | .46 | .40 | .36 | .33 |
| 8.0                   | .47                             | .39  | .33  | .46  | .38  | .33  | .45  | .38  | .32  | .43  | .37  | .32  | .42 | .36 | .32 | .30 |
| 9.0                   | .43                             | .35  | .30  | .43  | .35  | .29  | .41  | .34  | .29  | .40  | .34  | .29  | .39 | .33 | .29 | .27 |
| 10.0                  | .40                             | .32  | .27  | .39  | .32  | .27  | .38  | .31  | .26  | .37  | .31  | .26  | .36 | .30 | .26 | .24 |



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-11-10

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:9.250m [K=1.0000]  
Remarks:

## WEC AND CCEC

|                                                                                  |  |       |  |                  |  |
|----------------------------------------------------------------------------------|--|-------|--|------------------|--|
| Test:U:218.65V I:0.2865A P:61.316W PF:0.9788 Freq:49.99Hz Lamp Flux:9504.95x1 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 |      |      |      |      |      | Wall Exitance Coefficients (WEC) |      |      |      |      |      |      |      |      |   |
| 0.0  |                       |      |      |      |      |      |                                  |      |      |      |      |      |      |      |      |   |
| 1.0  | .289                  | .164 | .052 | .281 | .161 | .051 | .267                             | .153 | .049 | .254 | .146 | .047 | .241 | .140 | .045 |   |
| 2.0  | .278                  | .152 | .047 | .271 | .149 | .046 | .258                             | .144 | .045 | .247 | .138 | .043 | .236 | .133 | .042 |   |
| 3.0  | .260                  | .139 | .042 | .254 | .136 | .041 | .243                             | .132 | .040 | .233 | .127 | .039 | .223 | .123 | .038 |   |
| 4.0  | .242                  | .126 | .037 | .237 | .124 | .037 | .227                             | .120 | .036 | .217 | .117 | .035 | .209 | .113 | .035 |   |
| 5.0  | .225                  | .115 | .033 | .220 | .113 | .033 | .211                             | .110 | .032 | .203 | .107 | .032 | .195 | .104 | .031 |   |
| 6.0  | .210                  | .105 | .030 | .205 | .104 | .030 | .197                             | .101 | .029 | .190 | .099 | .029 | .183 | .096 | .029 |   |
| 7.0  | .196                  | .097 | .027 | .192 | .096 | .027 | .185                             | .093 | .027 | .178 | .091 | .027 | .171 | .089 | .026 |   |
| 8.0  | .183                  | .090 | .025 | .180 | .088 | .025 | .173                             | .087 | .025 | .167 | .085 | .024 | .161 | .083 | .024 |   |
| 9.0  | .172                  | .083 | .023 | .169 | .082 | .023 | .163                             | .081 | .023 | .157 | .079 | .023 | .152 | .077 | .022 |   |
| 10.0 | .162                  | .078 | .022 | .159 | .077 | .021 | .154                             | .075 | .021 | .149 | .074 | .021 | .144 | .072 | .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  | .208                  | .208 | .208 | .178 | .178 | .178 | .121                                       | .121 | .121 | .070 | .070 | .070 | .022 | .022 | .022 |   |
| 1.0  | .197                  | .174 | .154 | .168 | .149 | .132 | .115                                       | .103 | .091 | .066 | .059 | .053 | .021 | .019 | .017 |   |
| 2.0  | .188                  | .150 | .117 | .161 | .129 | .102 | .110                                       | .089 | .071 | .064 | .052 | .042 | .020 | .017 | .014 |   |
| 3.0  | .181                  | .132 | .094 | .155 | .114 | .081 | .106                                       | .079 | .057 | .061 | .046 | .034 | .020 | .015 | .011 |   |
| 4.0  | .173                  | .119 | .077 | .149 | .103 | .067 | .102                                       | .072 | .047 | .059 | .042 | .028 | .019 | .014 | .009 |   |
| 5.0  | .166                  | .108 | .066 | .143 | .094 | .057 | .098                                       | .066 | .041 | .057 | .038 | .024 | .018 | .013 | .008 |   |
| 6.0  | .159                  | .100 | .058 | .137 | .087 | .050 | .094                                       | .061 | .036 | .055 | .036 | .021 | .018 | .012 | .007 |   |
| 7.0  | .152                  | .093 | .052 | .131 | .081 | .045 | .091                                       | .057 | .032 | .053 | .033 | .019 | .017 | .011 | .006 |   |
| 8.0  | .146                  | .087 | .047 | .126 | .076 | .041 | .087                                       | .053 | .029 | .051 | .031 | .017 | .016 | .010 | .006 |   |
| 9.0  | .140                  | .083 | .044 | .121 | .072 | .038 | .084                                       | .050 | .027 | .049 | .030 | .016 | .016 | .010 | .005 |   |
| 10.0 | .135                  | .078 | .041 | .116 | .068 | .036 | .081                                       | .048 | .025 | .047 | .028 | .015 | .015 | .009 | .005 |   |

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2024-11-10

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
 Humidity: 65.0%  
 Test Distance: 9.250m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

|                                                                                  |                  |      |      |      |       |                |      |                  |      |      |
|----------------------------------------------------------------------------------|------------------|------|------|------|-------|----------------|------|------------------|------|------|
| Test:U:218.65V I:0.2865A P:61.316W PF:0.9788 Freq:49.99Hz Lamp Flux:9504.95x1 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                                                                    | 16.7             | 18.1 | 17.0 | 18.4 | 18.6  | 16.6           | 18.1 | 16.9             | 18.3 | 18.6 |
| 3H                                                                               | 17.8             | 19.1 | 18.1 | 19.4 | 19.7  | 17.8           | 19.1 | 18.1             | 19.4 | 19.7 |
| 4H                                                                               | 18.1             | 19.3 | 18.4 | 19.6 | 19.9  | 18.1           | 19.3 | 18.4             | 19.6 | 19.9 |
| 6H                                                                               | 18.1             | 19.3 | 18.5 | 19.6 | 19.9  | 18.1           | 19.3 | 18.5             | 19.6 | 19.9 |
| 8H                                                                               | 18.1             | 19.2 | 18.4 | 19.5 | 19.9  | 18.1           | 19.2 | 18.4             | 19.5 | 19.9 |
| 12H                                                                              | 18.0             | 19.1 | 18.4 | 19.5 | 19.8  | 18.0           | 19.1 | 18.4             | 19.5 | 19.8 |
| 4H 2H                                                                            | 17.2             | 18.4 | 17.5 | 18.7 | 19.0  | 17.1           | 18.4 | 17.5             | 18.7 | 19.0 |
| 3H                                                                               | 18.4             | 19.5 | 18.8 | 19.9 | 20.2  | 18.4           | 19.5 | 18.8             | 19.9 | 20.2 |
| 4H                                                                               | 18.8             | 19.8 | 19.2 | 20.1 | 20.5  | 18.8           | 19.8 | 19.2             | 20.1 | 20.5 |
| 6H                                                                               | 18.9             | 19.7 | 19.3 | 20.1 | 20.5  | 18.8           | 19.7 | 19.3             | 20.1 | 20.5 |
| 8H                                                                               | 18.8             | 19.7 | 19.3 | 20.1 | 20.5  | 18.8           | 19.7 | 19.3             | 20.1 | 20.5 |
| 12H                                                                              | 18.8             | 19.6 | 19.3 | 20.0 | 20.4  | 18.8           | 19.6 | 19.3             | 20.0 | 20.4 |
| 8H 4H                                                                            | 18.8             | 19.7 | 19.3 | 20.1 | 20.5  | 18.8           | 19.7 | 19.3             | 20.1 | 20.5 |
| 6H                                                                               | 19.0             | 19.6 | 19.4 | 20.1 | 20.6  | 19.0           | 19.6 | 19.4             | 20.1 | 20.6 |
| 8H                                                                               | 19.0             | 19.6 | 19.5 | 20.0 | 20.5  | 19.0           | 19.6 | 19.5             | 20.0 | 20.5 |
| 12H                                                                              | 18.9             | 19.5 | 19.5 | 19.9 | 20.5  | 19.0           | 19.5 | 19.5             | 20.0 | 20.5 |
| 12H 4H                                                                           | 18.8             | 19.6 | 19.3 | 20.0 | 20.4  | 18.8           | 19.6 | 19.3             | 20.0 | 20.4 |
| 6H                                                                               | 18.9             | 19.5 | 19.4 | 20.0 | 20.5  | 18.9           | 19.5 | 19.4             | 20.0 | 20.5 |
| 8H                                                                               | 18.9             | 19.5 | 19.5 | 19.9 | 20.5  | 18.9           | 19.5 | 19.5             | 19.9 | 20.5 |
| Variations with the observer position at spacings:                               |                  |      |      |      |       |                |      |                  |      |      |
| S = 1.0H                                                                         | + 0.3 / - 0.3    |      |      |      |       | + 0.3 / - 0.3  |      |                  |      |      |
| 1.5H                                                                             | + 0.2 / - 0.5    |      |      |      |       | + 0.2 / - 0.4  |      |                  |      |      |
| 2.0H                                                                             | + 0.4 / - 0.4    |      |      |      |       | + 0.4 / - 0.4  |      |                  |      |      |

CIE Pub.117, 9505 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 7.8$ )  
Area: 0.1 m<sup>2</sup>

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-11-10

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:9.250m [K=1.0000]  
Remarks:

## UTILIZATION FACTORS TABLE

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:218.65V I:0.2865A P:61.316W PF:0.9788 Freq:49.99Hz Lamp Flux:9504.95x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                   | SUR.: | Shielding Angle: |

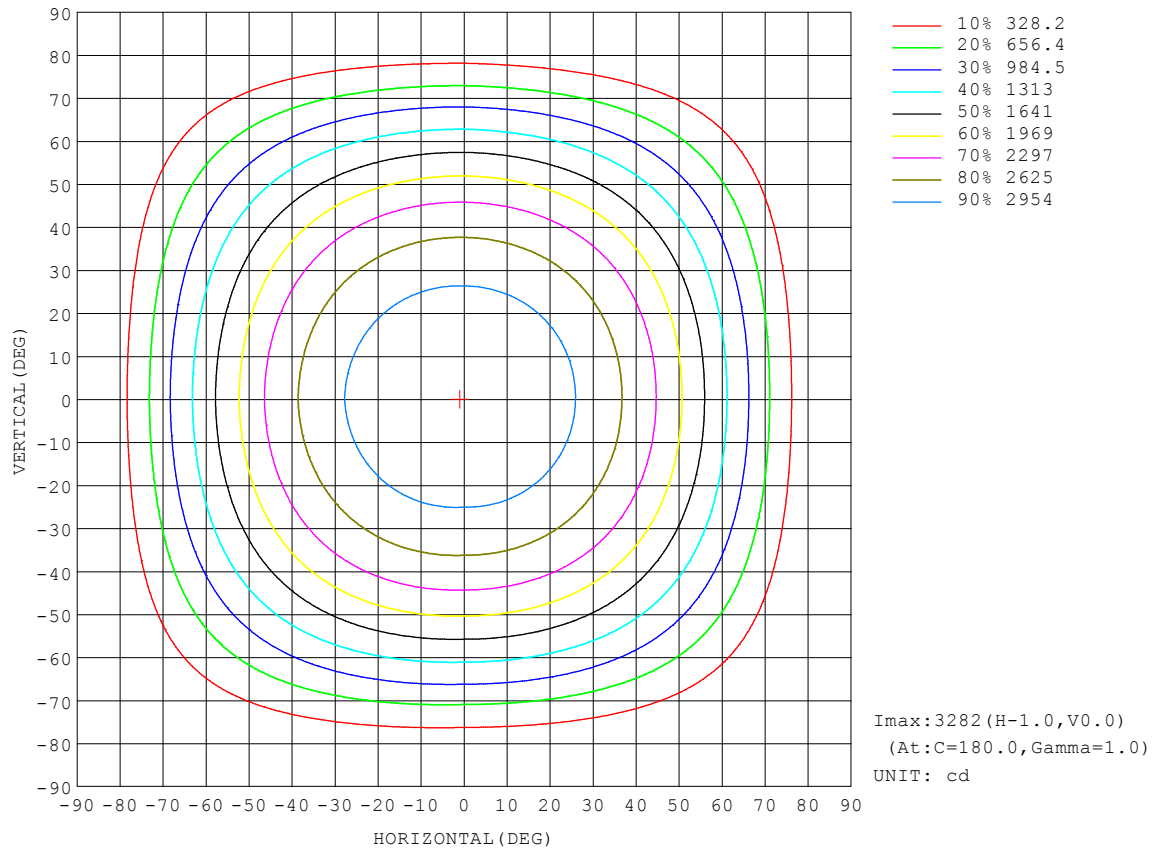
| REFLECTANCE                      |                                                      |     |           |     |     |     |     |               |     |        |
|----------------------------------|------------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 57                                                   | 46  | 39        | 57  | 46  | 39  | 55  | 45            | 39  | 32     |
| 0.80                             | 68                                                   | 56  | 49        | 67  | 56  | 49  | 65  | 55            | 48  | 41     |
| 1.00                             | 76                                                   | 65  | 58        | 75  | 65  | 58  | 73  | 66            | 57  | 50     |
| 1.25                             | 84                                                   | 73  | 66        | 82  | 72  | 66  | 79  | 71            | 65  | 57     |
| 1.50                             | 89                                                   | 79  | 72        | 87  | 78  | 72  | 84  | 76            | 70  | 63     |
| 2.00                             | 95                                                   | 87  | 81        | 93  | 86  | 80  | 90  | 83            | 78  | 70     |
| 2.50                             | 99                                                   | 92  | 86        | 97  | 90  | 85  | 93  | 87            | 83  | 74     |
| 3.00                             | 103                                                  | 96  | 91        | 100 | 94  | 89  | 96  | 91            | 87  | 78     |
| 4.00                             | 106                                                  | 101 | 97        | 104 | 99  | 95  | 99  | 95            | 92  | 83     |
| 5.00                             | 109                                                  | 104 | 100       | 106 | 102 | 99  | 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: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2024-11-10

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
 Humidity: 65.0%  
 Test Distance: 9.250m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:218.65V I:0.2865A P:61.316W PF:0.9788 Freq:49.99Hz Lamp Flux:9504.95x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                   | SUR.: | Shielding Angle: |

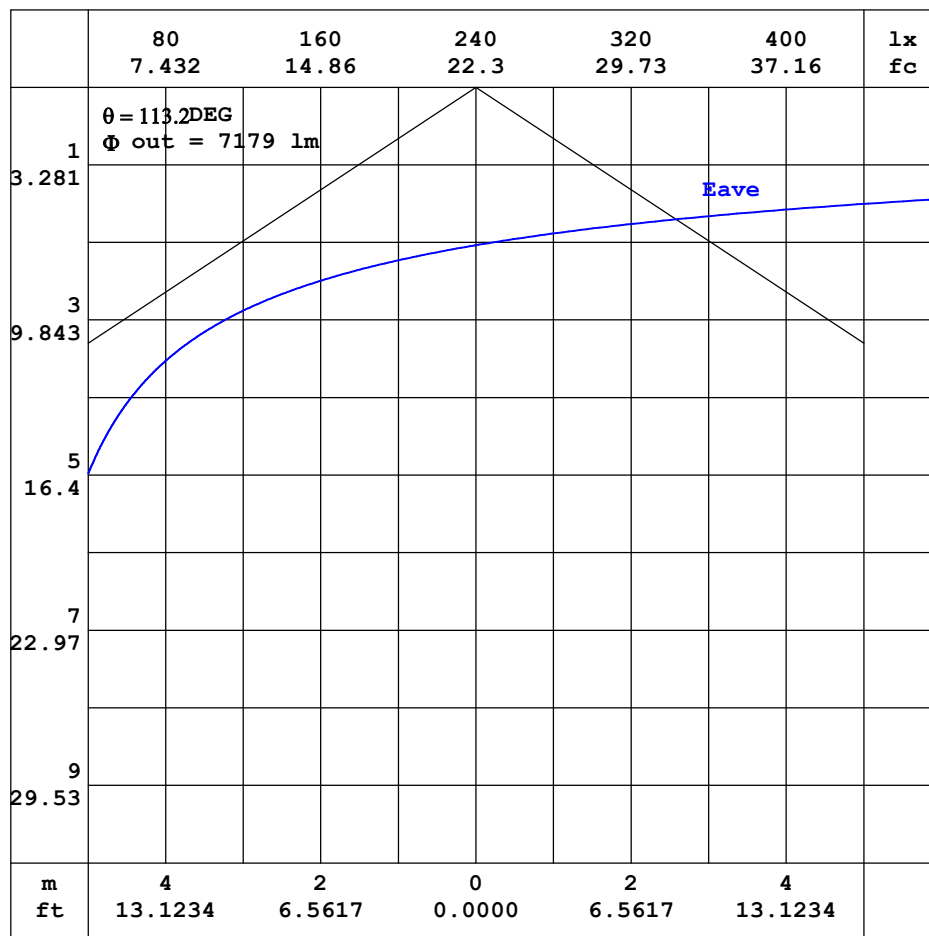


C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-11-10

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:9.250m [K=1.0000]  
Remarks:

## AAI CURVES

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:218.65V I:0.2865A P:61.316W PF:0.9788 Freq:49.99Hz Lamp Flux:9504.95x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                   | SUR.: | Shielding Angle: |



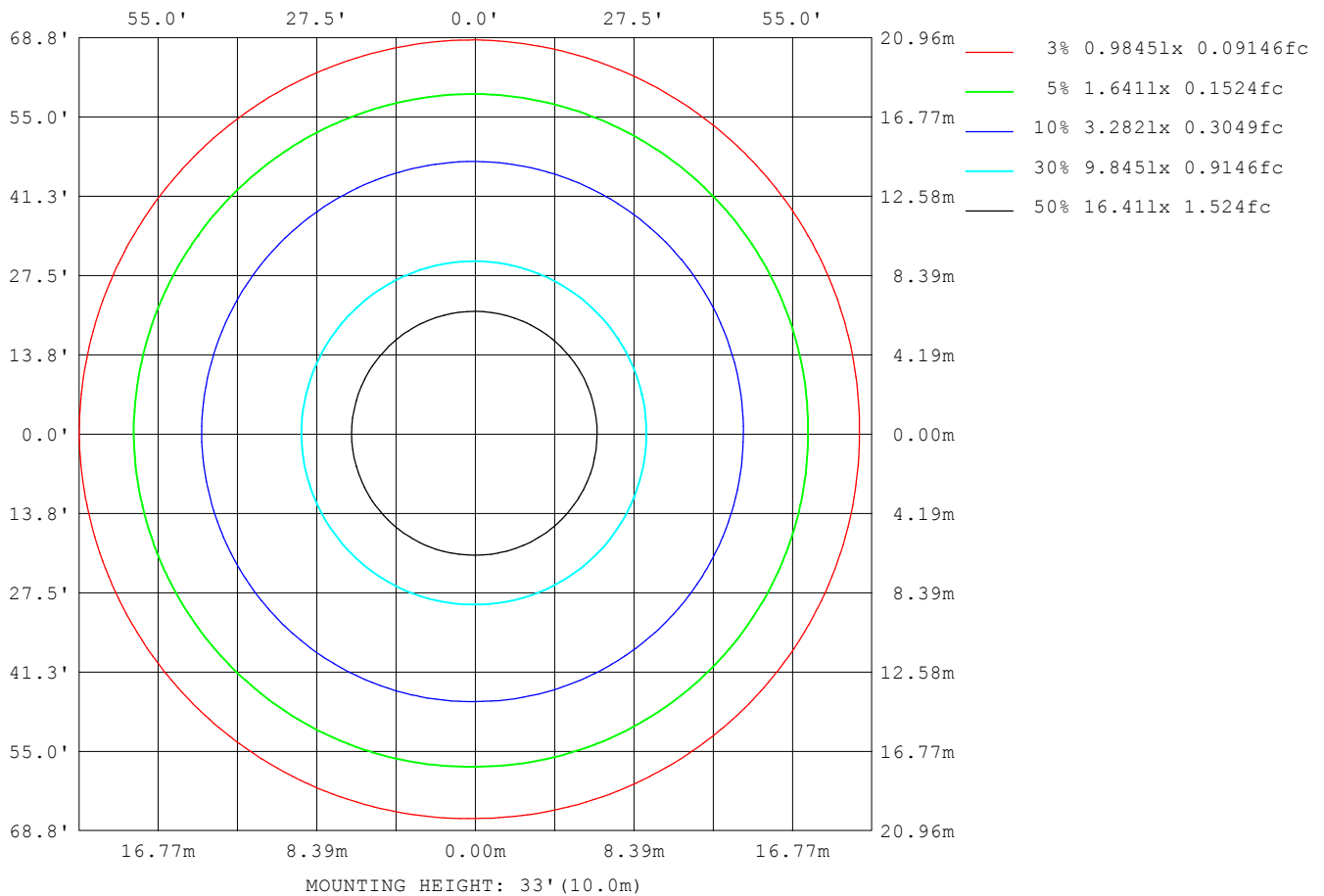
Note: The Curves indicate the illuminated area and the average illuminance when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2024-11-10

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity: 65.0%  
Test Distance: 9.250m [K=1.0000]  
Remarks:

### ISOLUX DIAGRAM

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:218.65V I:0.2865A P:61.316W PF:0.9788 Freq:49.99Hz Lamp Flux:9504.95x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                   | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-11-10

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:9.250m [K=1.0000]  
Remarks:

## LED Avg.L Report

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:218.65V I:0.2865A P:61.316W PF:0.9788 Freq:49.99Hz Lamp Flux:9504.95x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                   | SUR.: | Shielding Angle: |

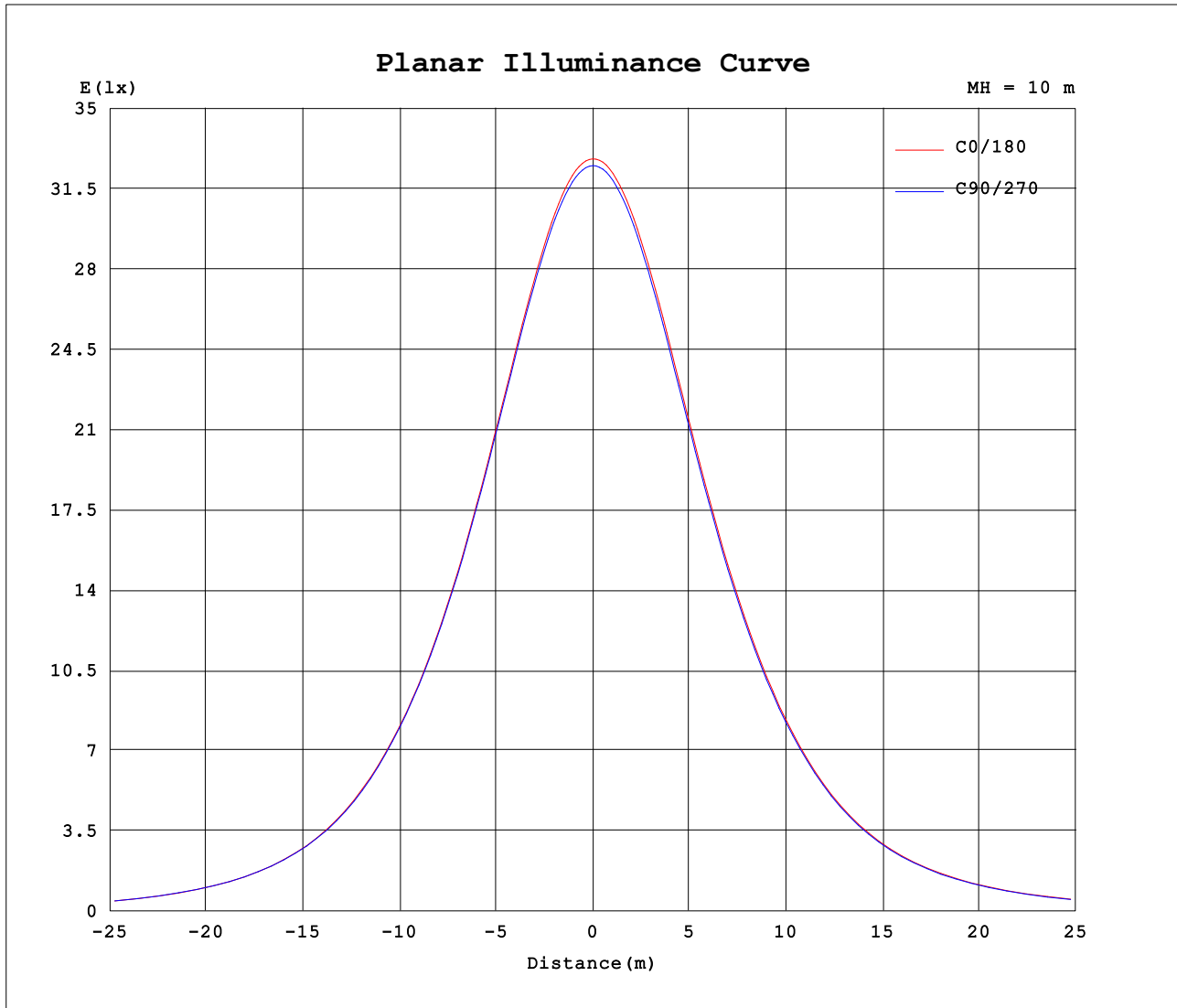
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 26757 |
| L_0~180 (75) av  | 17828 |
| L_0~180 (85) av  | 5576  |
| L_90~270 (65) av | 26488 |
| L_90~270 (75) av | 17643 |
| L_90~270 (85) av | 5275  |
| L_45 (65) av     | 26691 |
| L_45 (75) av     | 17879 |
| L_45 (85) av     | 5438  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-11-10

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:9.250m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2024-11-10

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity: 65.0%  
Test Distance: 9.250m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:218.65V I:0.2865A P:61.316W PF:0.9788 Freq:49.99Hz Lamp Flux:9504.95x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                   | SUR.: | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG)<br>γ (DEG) | 0    | 90   | 180  | 270  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0                  | 3282 | 3251 | 3282 | 3251 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5                  | 3268 | 3238 | 3275 | 3243 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10                 | 3230 | 3202 | 3246 | 3214 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15                 | 3168 | 3142 | 3193 | 3160 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20                 | 3084 | 3060 | 3118 | 3083 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25                 | 2976 | 2955 | 3019 | 2985 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30                 | 2844 | 2825 | 2896 | 2862 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35                 | 2686 | 2669 | 2749 | 2714 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 40                 | 2500 | 2484 | 2574 | 2540 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 45                 | 2281 | 2265 | 2366 | 2336 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 50                 | 2010 | 1990 | 2104 | 2081 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 55                 | 1698 | 1688 | 1808 | 1784 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 60                 | 1383 | 1381 | 1509 | 1484 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 65                 | 1062 | 1066 | 1200 | 1173 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 70                 | 731  | 721  | 878  | 854  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 75                 | 393  | 399  | 530  | 514  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 80                 | 130  | 137  | 234  | 218  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 85                 | 41.5 | 42.4 | 55.7 | 49.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 90                 | 34.8 | 34.6 | 20.2 | 19.9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 95                 | 32.5 | 32.3 | 20.6 | 20.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 100                | 31.0 | 30.8 | 21.9 | 21.6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 105                | 30.7 | 30.6 | 23.9 | 23.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 110                | 31.3 | 31.2 | 26.6 | 26.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 115                | 32.4 | 32.3 | 29.3 | 29.1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 120                | 33.8 | 33.6 | 32.0 | 31.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 125                | 35.4 | 35.3 | 34.7 | 34.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 130                | 37.3 | 37.1 | 37.6 | 37.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 135                | 39.3 | 39.1 | 40.3 | 39.9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 140                | 41.3 | 41.2 | 42.8 | 42.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 145                | 43.3 | 43.1 | 45.0 | 44.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 150                | 45.2 | 45.0 | 46.8 | 46.3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 155                | 46.9 | 46.8 | 48.5 | 47.9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 160                | 48.5 | 48.3 | 49.8 | 49.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 165                | 49.8 | 49.7 | 51.0 | 50.3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 170                | 50.9 | 50.8 | 51.8 | 51.1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 175                | 51.7 | 51.7 | 52.4 | 51.6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 180                | 52.3 | 52.2 | 52.7 | 51.9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-11-10

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:9.250m [K=1.0000]  
Remarks: