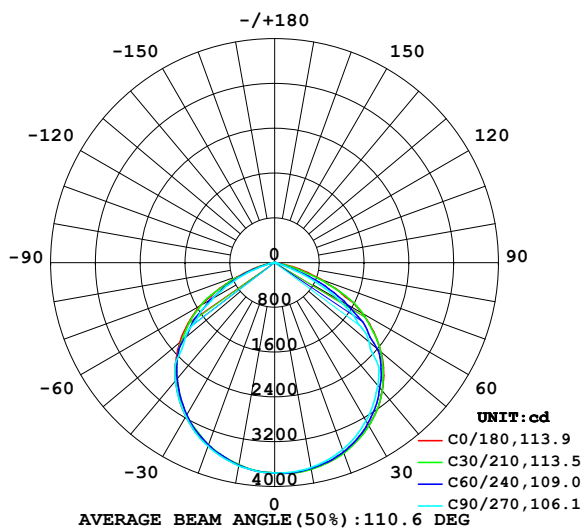


## LUMINAIRE PHOTOMETRIC TEST REPORT

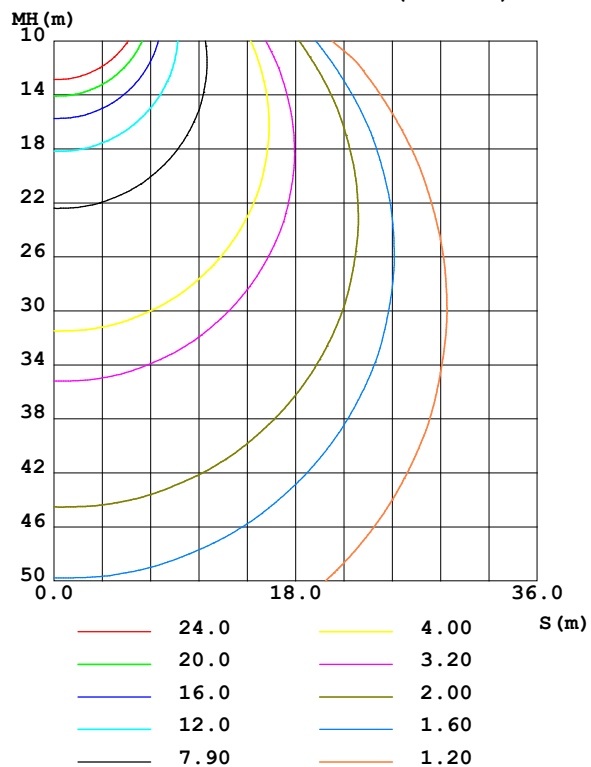
|                                                                                     |       |                  |
|-------------------------------------------------------------------------------------|-------|------------------|
| Test:U:230.17V I:0.7134A P:93.185W PF:0.5675 Freq:50.00Hz<br>Lamp Flux:9896.67x1 lm |       |                  |
| NAME:                                                                               | TYPE: | WEIGHT:          |
| SPEC.: 3000K                                                                        | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                      | SUR.: | Shielding Angle: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA      |        |                    |          | Eff: 106.21 lm/W |
|------------------|---------|-----------------------|--------|--------------------|----------|------------------|
| MODEL            | 422E    | I <sub>max</sub> (cd) | 3776   | S/MH (C0/180)      | 1.26     |                  |
| NOMINAL POWER(W) | 100     | LOR (%)               | 100.0  | S/MH (C90/270)     | 1.26     |                  |
| RATED VOLTAGE(V) | 230     | TOTAL FLUX(lm)        | 9896.7 | η UP,DN (C0-180)   | 0.0,50.6 |                  |
| NOMINAL FLUX(lm) | 9896.67 | CIE CLASS             | DIRECT | η UP,DN (C180-360) | 0.0,49.4 |                  |
| LAMPS INSIDE     | 1       | η up (%)              | 0.0    | CIBSE SHR NOM      | 1.25     |                  |
| TEST VOLTAGE(V)  | 230     | η down (%)            | 100.0  | CIBSE SHR MAX      | 1.35     |                  |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: DAMIN  
Test Date: 2025-09-06

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
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       | 3746                  | 3750  | 3719  | 3693  | 3678  | 3667  | 3686  | 3723  | 0- 10    | 356.4       | 356.4        | 3.6,3.6    |
| 20       | 3612                  | 3612  | 3553  | 3503  | 3474  | 3449  | 3487  | 3560  | 10- 20   | 1026        | 1382         | 14,14      |
| 30       | 3363                  | 3353  | 3265  | 3204  | 3175  | 3127  | 3177  | 3277  | 20- 30   | 1568        | 2951         | 29.8,29.8  |
| 40       | 2987                  | 2975  | 2866  | 2789  | 2758  | 2701  | 2762  | 2885  | 30- 40   | 1911        | 4862         | 49.1,49.1  |
| 50       | 2476                  | 2459  | 2201  | 2252  | 2210  | 2165  | 2085  | 2352  | 40- 50   | 1988        | 6850         | 69.2,69.2  |
| 60       | 1803                  | 1705  | 1324  | 1488  | 1535  | 1413  | 1268  | 1597  | 50- 60   | 1701        | 8551         | 86.4,86.4  |
| 70       | 885.0                 | 634.4 | 294.1 | 487.1 | 623.0 | 564.4 | 476.0 | 694.5 | 60- 70   | 1043        | 9594         | 96.9,96.9  |
| 80       | 139.5                 | 50.64 | 24.29 | 36.43 | 65.45 | 59.83 | 58.32 | 68.57 | 70- 80   | 282.8       | 9877         | 99.8,99.8  |
| 90       | 4.593                 | 4.379 | 3.906 | 4.928 | 6.385 | 7.059 | 4.998 | 6.758 | 80- 90   | 19.72       | 9897         | 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): 5868.5 lm

%lum = 59.3%

%lamp = 59.3%

Conical surface Flux(130deg): 9178.6 lm

%lum = 92.7%

%lamp = 92.7%

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:DAMIN  
Test Date:2025-09-06

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
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:230.17V I:0.7134A P:93.185W PF:0.5675 Freq:50.00Hz

Lamp Flux:9896.67x1 lm

NAME:

TYPE:

WEIGHT:

SPEC.: 3000K

DIM.:

SERIAL No.:

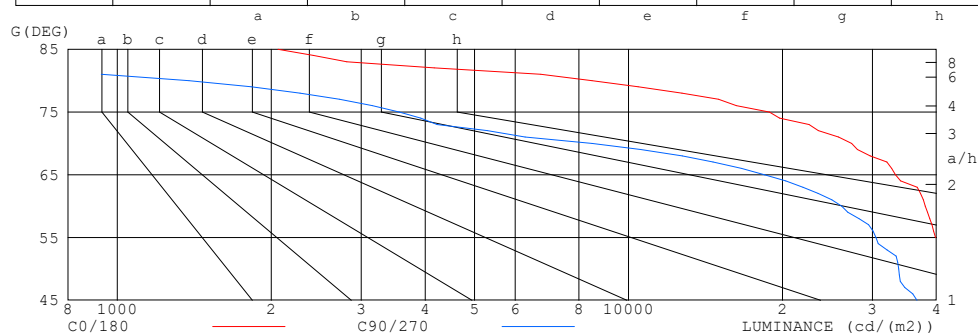
MFR.: EVERFINE

SUR.:

Shielding Angle:

LUMINANCE LIMITATION CURVES

| GLARE | CLASS | ILLUMINANCE (lx) |      |      |       |       |       |       |       |
|-------|-------|------------------|------|------|-------|-------|-------|-------|-------|
| 1.15  | A     | 2000             | 1000 | 500  | <=300 |       |       |       |       |
| 1.50  | B     |                  | 2000 | 1000 | 500   | <=300 |       |       |       |
| 1.85  | C     |                  |      | 2000 | 1000  | 500   | <=300 |       |       |
| 2.20  | D     |                  |      |      | 2000  | 1000  | 500   | <=300 |       |
| 2.55  | E     |                  |      |      |       | 2000  | 1000  | 500   | <=300 |



| LUMINANCE cd/ (m2) |        |         |
|--------------------|--------|---------|
| G (DEG)            | C0/180 | C90/270 |
| 85                 | 2063   | 390     |
| 80                 | 8478   | 1380    |
| 75                 | 18862  | 3561    |
| 70                 | 27306  | 8483    |
| 65                 | 33271  | 18451   |
| 60                 | 38055  | 26117   |
| 55                 | 39856  | 30497   |
| 50                 | 40654  | 33780   |
| 45                 | 41116  | 36680   |

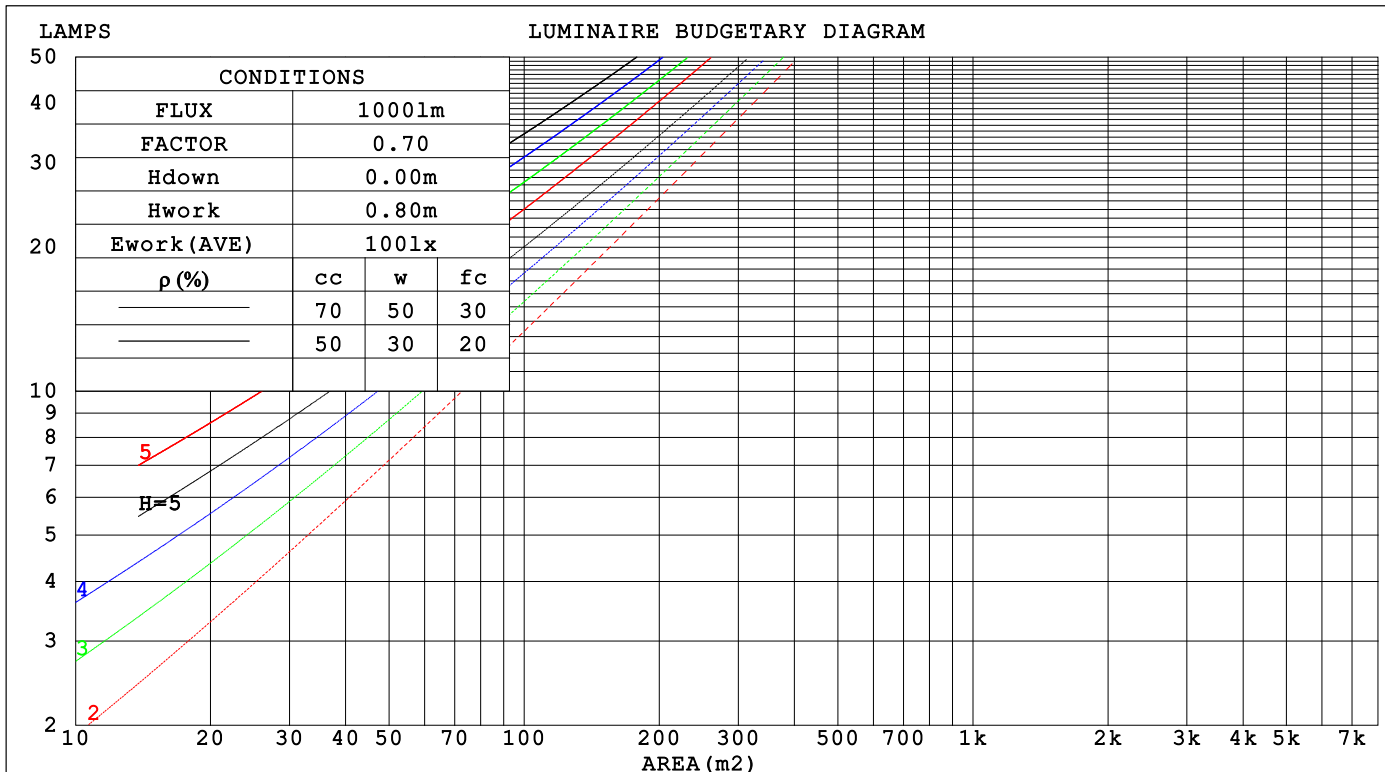
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:DAMIN  
Test Date:2025-09-06

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
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:230.17V I:0.7134A P:93.185W PF:0.5675 Freq:50.00Hz<br>Lamp Flux:9896.67x1 lm |       |                  |
| NAME:                                                                               | TYPE: | WEIGHT:          |
| SPEC.: 3000K                                                                        | 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  | 1.06                  | 1.02 | .99  | 1.04 | 1.00 | .97  | .00  | .97  | .94  | .96  | .94  | .91  | .92  | .90  | .89  | .87                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2.0  | .94                   | .87  | .82  | .92  | .86  | .81  | .88  | .83  | .79  | .85  | .81  | .78  | .82  | .79  | .76  | .74                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3.0  | .83                   | .75  | .69  | .81  | .74  | .68  | .78  | .72  | .67  | .76  | .70  | .66  | .73  | .69  | .65  | .63                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4.0  | .74                   | .65  | .59  | .72  | .64  | .59  | .70  | .63  | .58  | .67  | .62  | .57  | .65  | .60  | .56  | .54                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5.0  | .66                   | .57  | .51  | .65  | .57  | .51  | .63  | .56  | .50  | .61  | .54  | .50  | .59  | .53  | .49  | .47                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6.0  | .59                   | .51  | .45  | .58  | .50  | .44  | .57  | .49  | .44  | .55  | .48  | .44  | .53  | .48  | .43  | .41                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7.0  | .54                   | .45  | .39  | .53  | .45  | .39  | .51  | .44  | .39  | .50  | .44  | .39  | .49  | .43  | .38  | .36                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8.0  | .49                   | .41  | .35  | .48  | .40  | .35  | .47  | .40  | .35  | .46  | .39  | .35  | .45  | .39  | .34  | .32                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9.0  | .45                   | .37  | .32  | .44  | .37  | .31  | .43  | .36  | .31  | .42  | .36  | .31  | .41  | .35  | .31  | .29                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10.0 | .42                   | .34  | .29  | .41  | .34  | .29  | .40  | .33  | .28  | .39  | .33  | .28  | .38  | .32  | .28  | .26                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:DAMIN  
Test Date:2025-09-06

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
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:230.17V I:0.7134A P:93.185W PF:0.5675 Freq:50.00Hz<br>Lamp Flux:9896.67x1 lm |       |                  |
| NAME:                                                                               | TYPE: | WEIGHT:          |
| SPEC.: 3000K                                                                        | 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  | .268                  | .152 | .048 | .261 | .149 | .047 | .248                            | .142 | .045 | .236 | .136 | .044 | .225 | .130 | .042 |   |  |
| 2.0  | .262                  | .144 | .044 | .256 | .141 | .043 | .245                            | .136 | .042 | .234 | .131 | .041 | .224 | .127 | .040 |   |  |
| 3.0  | .249                  | .132 | .040 | .243 | .130 | .039 | .233                            | .126 | .038 | .224 | .123 | .038 | .215 | .119 | .037 |   |  |
| 4.0  | .233                  | .121 | .036 | .229 | .120 | .035 | .220                            | .117 | .035 | .211 | .114 | .034 | .204 | .111 | .034 |   |  |
| 5.0  | .218                  | .111 | .032 | .214 | .110 | .032 | .206                            | .107 | .032 | .199 | .105 | .031 | .192 | .103 | .031 |   |  |
| 6.0  | .204                  | .103 | .029 | .201 | .101 | .029 | .194                            | .099 | .029 | .187 | .097 | .029 | .181 | .095 | .028 |   |  |
| 7.0  | .192                  | .095 | .027 | .188 | .094 | .027 | .182                            | .092 | .026 | .176 | .090 | .026 | .170 | .089 | .026 |   |  |
| 8.0  | .180                  | .088 | .025 | .177 | .087 | .025 | .171                            | .086 | .024 | .166 | .084 | .024 | .161 | .083 | .024 |   |  |
| 9.0  | .169                  | .082 | .023 | .167 | .081 | .023 | .162                            | .080 | .023 | .157 | .079 | .022 | .152 | .077 | .022 |   |  |
| 10.0 | .160                  | .077 | .021 | .157 | .076 | .021 | .153                            | .075 | .021 | .148 | .074 | .021 | .144 | .073 | .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  | .190                  | .190 | .190 | .163 | .163 | .163 | .111                                        | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 |   |  |
| 1.0  | .177                  | .157 | .138 | .152 | .134 | .119 | .104                                        | .092 | .082 | .060 | .053 | .048 | .019 | .017 | .015 |   |  |
| 2.0  | .168                  | .132 | .102 | .144 | .114 | .088 | .099                                        | .079 | .061 | .057 | .046 | .036 | .018 | .015 | .012 |   |  |
| 3.0  | .160                  | .114 | .077 | .137 | .098 | .067 | .094                                        | .068 | .047 | .055 | .040 | .028 | .018 | .013 | .009 |   |  |
| 4.0  | .153                  | .101 | .061 | .131 | .087 | .053 | .090                                        | .061 | .037 | .052 | .035 | .022 | .017 | .012 | .007 |   |  |
| 5.0  | .146                  | .090 | .049 | .125 | .078 | .043 | .086                                        | .054 | .030 | .050 | .032 | .018 | .016 | .010 | .006 |   |  |
| 6.0  | .139                  | .082 | .040 | .120 | .071 | .035 | .083                                        | .050 | .025 | .048 | .029 | .015 | .015 | .010 | .005 |   |  |
| 7.0  | .133                  | .075 | .034 | .114 | .065 | .030 | .079                                        | .045 | .021 | .046 | .027 | .013 | .015 | .009 | .004 |   |  |
| 8.0  | .127                  | .069 | .029 | .109 | .060 | .026 | .075                                        | .042 | .018 | .044 | .025 | .011 | .014 | .008 | .004 |   |  |
| 9.0  | .121                  | .064 | .026 | .104 | .056 | .022 | .072                                        | .039 | .016 | .042 | .023 | .010 | .014 | .008 | .003 |   |  |
| 10.0 | .115                  | .060 | .023 | .099 | .052 | .020 | .069                                        | .037 | .014 | .040 | .022 | .008 | .013 | .007 | .003 |   |  |

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:DAMIN  
Test Date:2025-09-06

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
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:230.17V I:0.7134A P:93.185W PF:0.5675 Freq:50.00Hz<br>Lamp Flux:9896.67x1 lm |                  |      |       |      |      |                  |      |      |      |      |
| NAME:                                                                               |                  |      | TYPE: |      |      | WEIGHT:          |      |      |      |      |
| SPEC.: 3000K                                                                        |                  |      | 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                                                                       | 18.4             | 19.8 | 18.6  | 20.0 | 20.2 | 16.9             | 18.4 | 17.2 | 18.6 | 18.8 |
| 3H                                                                                  | 19.5             | 20.8 | 19.8  | 21.1 | 21.3 | 17.2             | 18.6 | 17.5 | 18.8 | 19.0 |
| 4H                                                                                  | 19.7             | 21.0 | 20.1  | 21.3 | 21.5 | 17.1             | 18.4 | 17.5 | 18.7 | 18.9 |
| 6H                                                                                  | 19.8             | 20.9 | 20.1  | 21.2 | 21.5 | 17.0             | 18.2 | 17.4 | 18.5 | 18.8 |
| 8H                                                                                  | 19.7             | 20.8 | 20.0  | 21.1 | 21.4 | 17.0             | 18.1 | 17.3 | 18.4 | 18.7 |
| 12H                                                                                 | 19.7             | 20.7 | 20.0  | 21.0 | 21.3 | 16.9             | 18.0 | 17.3 | 18.3 | 18.6 |
| 4H 2H                                                                               | 18.7             | 20.0 | 19.1  | 20.2 | 20.5 | 17.5             | 18.8 | 17.9 | 19.1 | 19.3 |
| 3H                                                                                  | 20.0             | 21.0 | 20.3  | 21.3 | 21.6 | 17.9             | 19.0 | 18.2 | 19.3 | 19.6 |
| 4H                                                                                  | 20.2             | 21.2 | 20.6  | 21.5 | 21.9 | 17.8             | 18.8 | 18.2 | 19.1 | 19.4 |
| 6H                                                                                  | 20.3             | 21.1 | 20.7  | 21.5 | 21.8 | 17.7             | 18.6 | 18.1 | 18.9 | 19.3 |
| 8H                                                                                  | 20.2             | 21.0 | 20.6  | 21.4 | 21.8 | 17.7             | 18.5 | 18.1 | 18.9 | 19.2 |
| 12H                                                                                 | 20.2             | 20.9 | 20.6  | 21.3 | 21.7 | 17.6             | 18.4 | 18.1 | 18.8 | 19.2 |
| 8H 4H                                                                               | 20.1             | 20.9 | 20.6  | 21.3 | 21.7 | 17.8             | 18.6 | 18.2 | 19.0 | 19.4 |
| 6H                                                                                  | 20.2             | 20.8 | 20.6  | 21.2 | 21.7 | 17.8             | 18.4 | 18.2 | 18.8 | 19.2 |
| 8H                                                                                  | 20.2             | 20.7 | 20.6  | 21.2 | 21.6 | 17.7             | 18.3 | 18.2 | 18.7 | 19.2 |
| 12H                                                                                 | 20.1             | 20.6 | 20.6  | 21.1 | 21.5 | 17.7             | 18.2 | 18.2 | 18.6 | 19.1 |
| 12H 4H                                                                              | 20.1             | 20.8 | 20.5  | 21.2 | 21.6 | 17.8             | 18.5 | 18.2 | 18.9 | 19.3 |
| 6H                                                                                  | 20.2             | 20.7 | 20.6  | 21.2 | 21.6 | 17.7             | 18.3 | 18.2 | 18.7 | 19.2 |
| 8H                                                                                  | 20.1             | 20.6 | 20.6  | 21.1 | 21.5 | 17.7             | 18.2 | 18.2 | 18.6 | 19.1 |
| Variations with the observer position at spacings(CIE Pub.117):                     |                  |      |       |      |      |                  |      |      |      |      |
| S = 1.0H                                                                            | + 0.3 / - 0.4    |      |       |      |      | + 0.5 / - 0.5    |      |      |      |      |
| 1.5H                                                                                | + 0.3 / - 0.5    |      |       |      |      | + 0.6 / - 1.0    |      |      |      |      |
| 2.0H                                                                                | + 0.4 / - 0.6    |      |       |      |      | + 0.7 / - 1.0    |      |      |      |      |

CIE Pub.117, 9897 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 8.0)  
Area: 0.1 m2

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:DAMIN  
Test Date:2025-09-06

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
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:230.17V I:0.7134A P:93.185W PF:0.5675 Freq:50.00Hz<br>Lamp Flux:9896.67x1 lm |       |                  |
| NAME:                                                                               | TYPE: | WEIGHT:          |
| SPEC.: 3000K                                                                        | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                      | SUR.: | Shielding Angle: |

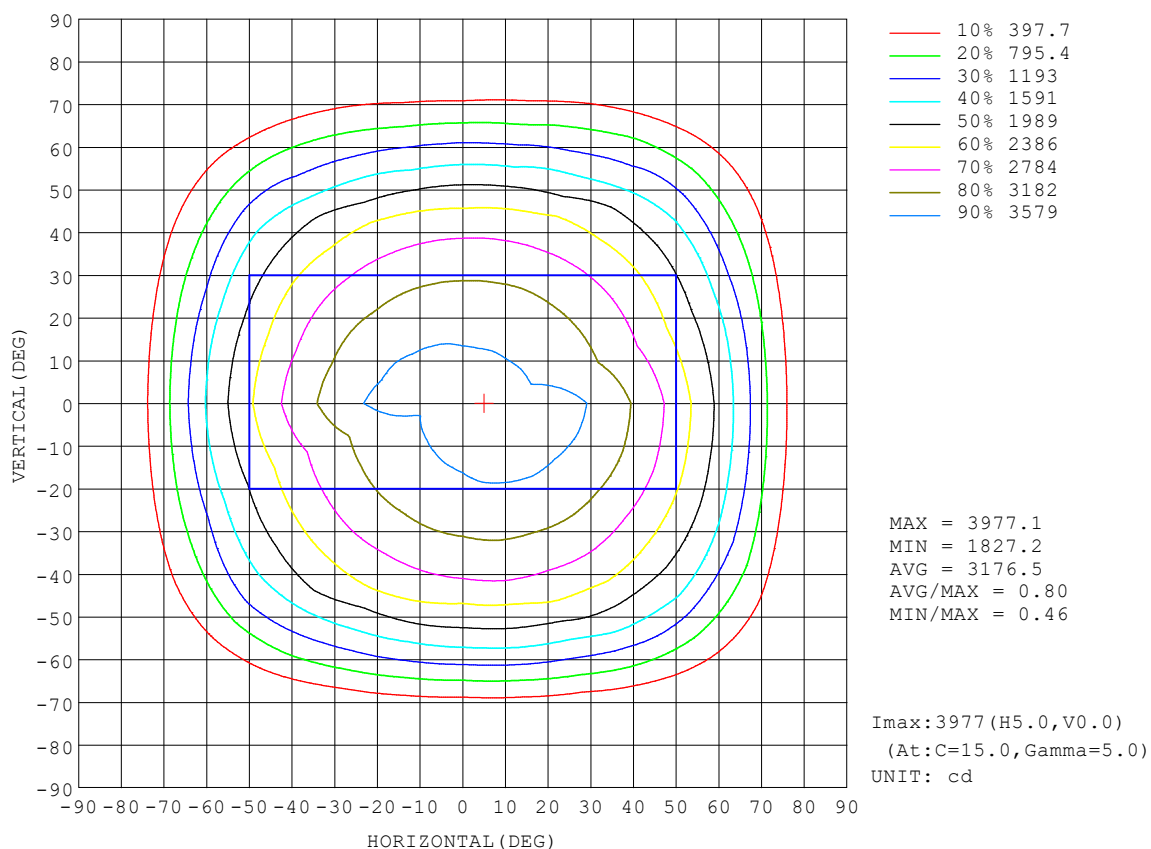
| REFLECTANCE                      |                                                      |     |           |     |     |     |     |               |     |        |
|----------------------------------|------------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 60                                                   | 48  | 42        | 59  | 48  | 41  | 58  | 48            | 41  | 35     |
| 0.80                             | 70                                                   | 59  | 52        | 69  | 59  | 52  | 67  | 58            | 51  | 45     |
| 1.00                             | 79                                                   | 69  | 62        | 78  | 68  | 62  | 76  | 69            | 61  | 54     |
| 1.25                             | 86                                                   | 77  | 70        | 85  | 76  | 70  | 82  | 74            | 69  | 62     |
| 1.50                             | 91                                                   | 82  | 76        | 90  | 81  | 75  | 87  | 80            | 74  | 67     |
| 2.00                             | 98                                                   | 90  | 84        | 96  | 89  | 84  | 93  | 87            | 82  | 75     |
| 2.50                             | 101                                                  | 94  | 89        | 99  | 93  | 88  | 96  | 91            | 86  | 79     |
| 3.00                             | 105                                                  | 98  | 94        | 102 | 97  | 93  | 99  | 94            | 90  | 82     |
| 4.00                             | 108                                                  | 103 | 99        | 106 | 101 | 98  | 102 | 98            | 95  | 87     |
| 5.00                             | 110                                                  | 106 | 102       | 108 | 104 | 101 | 103 | 101           | 98  | 89     |
| 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:2025-09-06

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
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:230.17V I:0.7134A P:93.185W PF:0.5675 Freq:50.00Hz<br>Lamp Flux:9896.67x1 lm |       |                  |
| NAME:                                                                               | TYPE: | WEIGHT:          |
| SPEC.: 3000K                                                                        | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                      | SUR.: | Shielding Angle: |



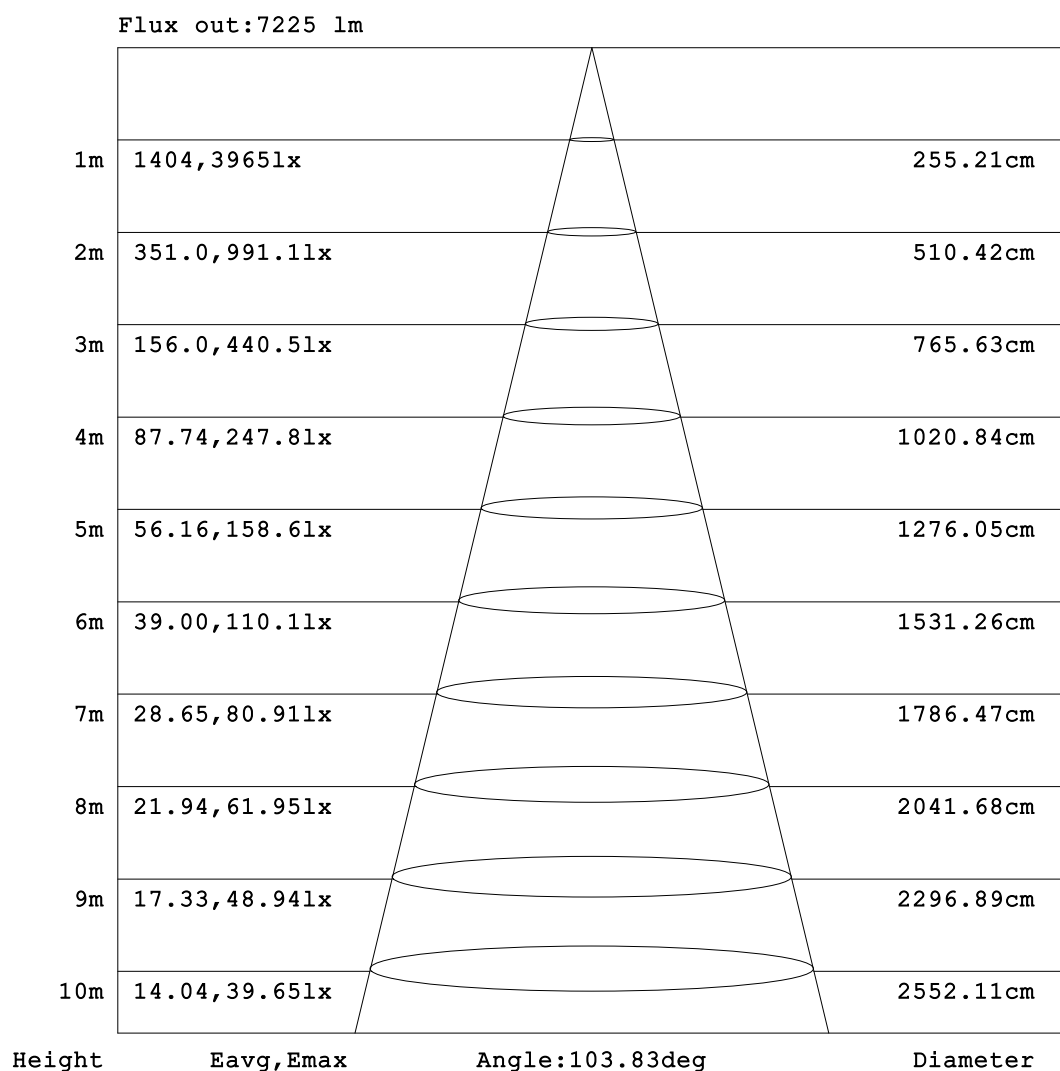
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:DAMIN  
Test Date:2025-09-06

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
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:230.17V I:0.7134A P:93.185W PF:0.5675 Freq:50.00Hz<br>Lamp Flux:9896.67x1 lm |       |                  |
| NAME:                                                                               | TYPE: | WEIGHT:          |
| SPEC.: 3000K                                                                        | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                      | SUR.: | Shielding Angle: |



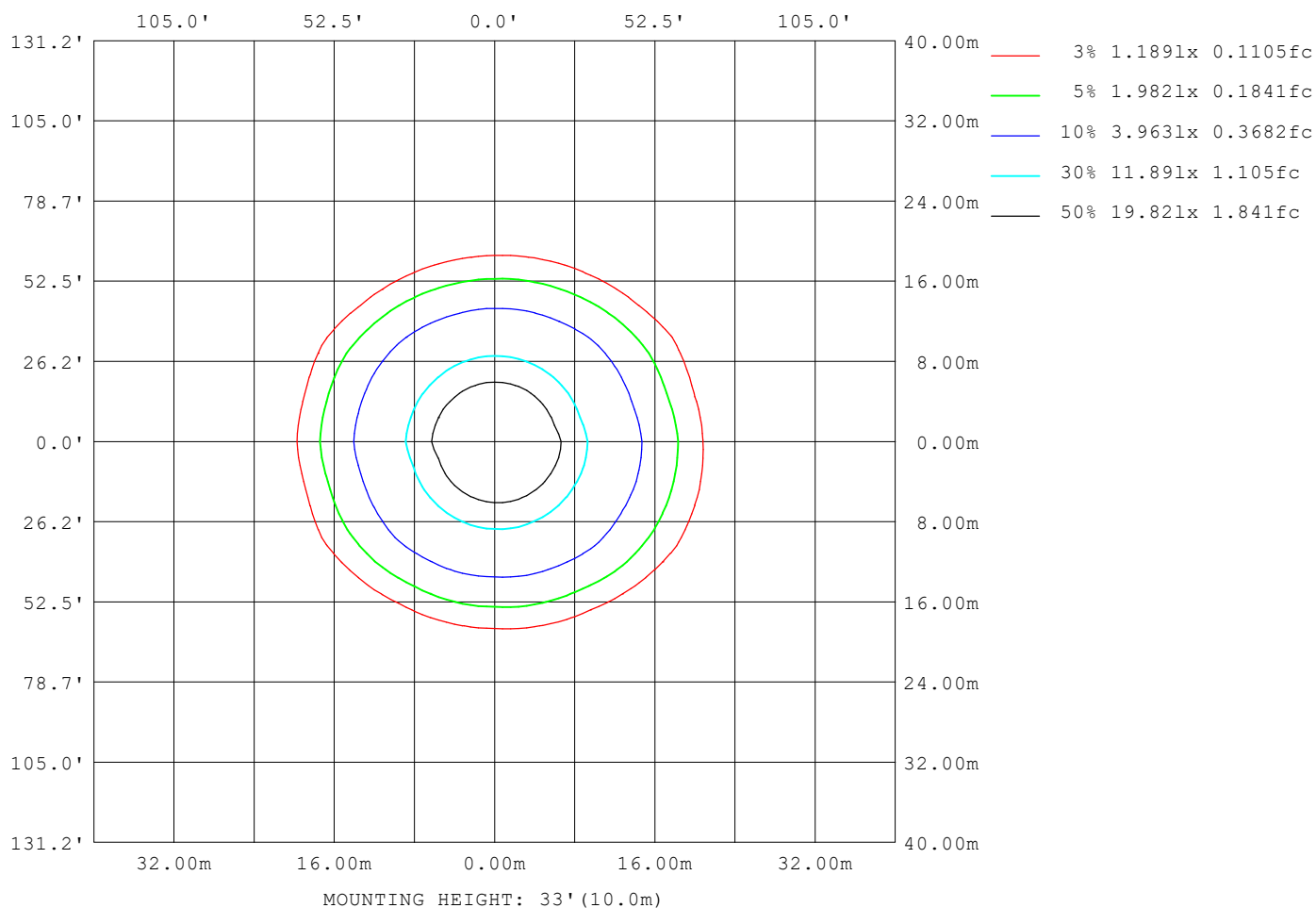
**Note:**The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:DAMIN  
Test Date:2025-09-06

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
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:230.17V I:0.7134A P:93.185W PF:0.5675 Freq:50.00Hz<br>Lamp Flux:9896.67x1 lm |       |                  |
| NAME:                                                                               | TYPE: | WEIGHT:          |
| SPEC.: 3000K                                                                        | 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:2025-09-06

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
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:230.17V I:0.7134A P:93.185W PF:0.5675 Freq:50.00Hz<br>Lamp Flux:9896.67x1 lm |       |                  |
| NAME:                                                                               | TYPE: | WEIGHT:          |
| SPEC.: 3000K                                                                        | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                      | SUR.: | Shielding Angle: |

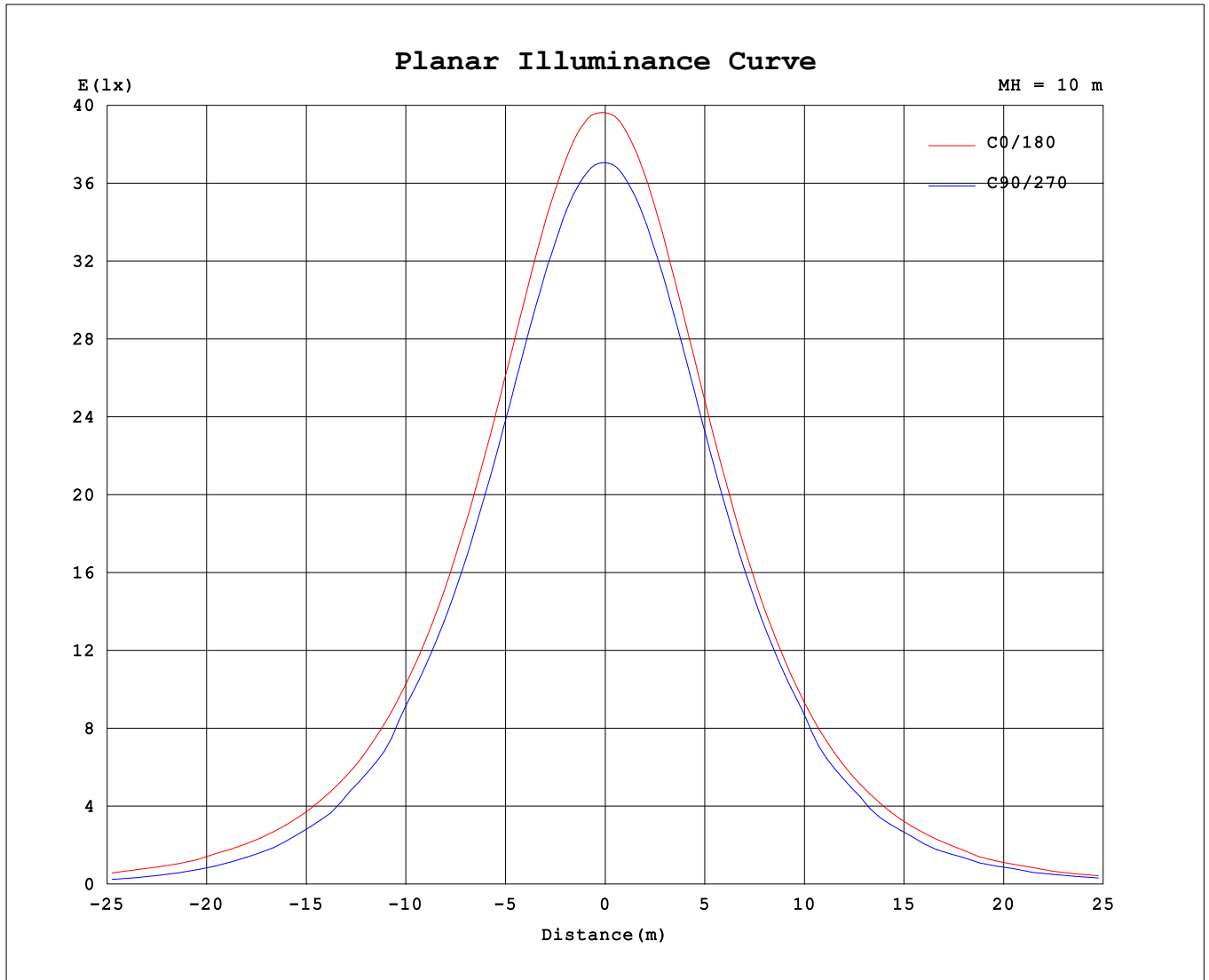
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 28563 |
| L_0~180 (75) av  | 14902 |
| L_0~180 (85) av  | 1849  |
| L_90~270 (65) av | 19297 |
| L_90~270 (75) av | 4929  |
| L_90~270 (85) av | 852   |
| L_45 (65) av     | 25651 |
| L_45 (75) av     | 7997  |
| L_45 (85) av     | 923   |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:DAMIN  
Test Date:2025-09-06

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
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: 2025-09-06

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity: 65.0%  
 Test Distance: 9.401m [K=1.0000]  
 Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
Humidity:65.0%
Test Distance:9.401m [K=1.0000]
Remarks:

```

|                                                                                     |       |                  |
|-------------------------------------------------------------------------------------|-------|------------------|
| Test:U:230.17V I:0.7134A P:93.185W PF:0.5675 Freq:50.00Hz<br>Lamp Flux:9896.67x1 lm |       |                  |
| NAME:                                                                               | TYPE: | WEIGHT:          |
| SPEC.: 3000K                                                                        | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                      | SUR.: | Shielding Angle: |

UNIT: cd

[illegible]

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
Humidity:65.0%
Test Distance:9.401m [K=1.0000]
Remarks:

```