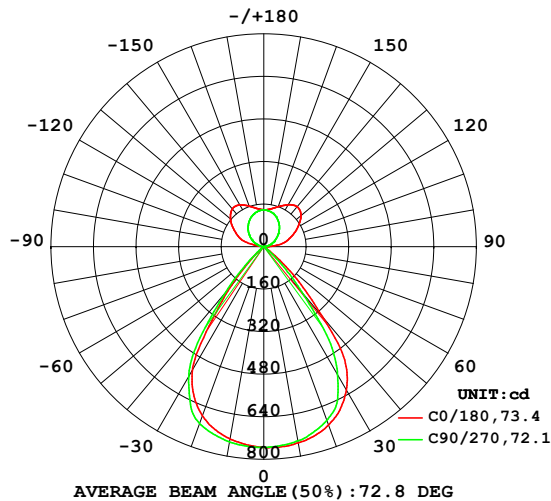


## LUMINAIRE PHOTOMETRIC TEST REPORT

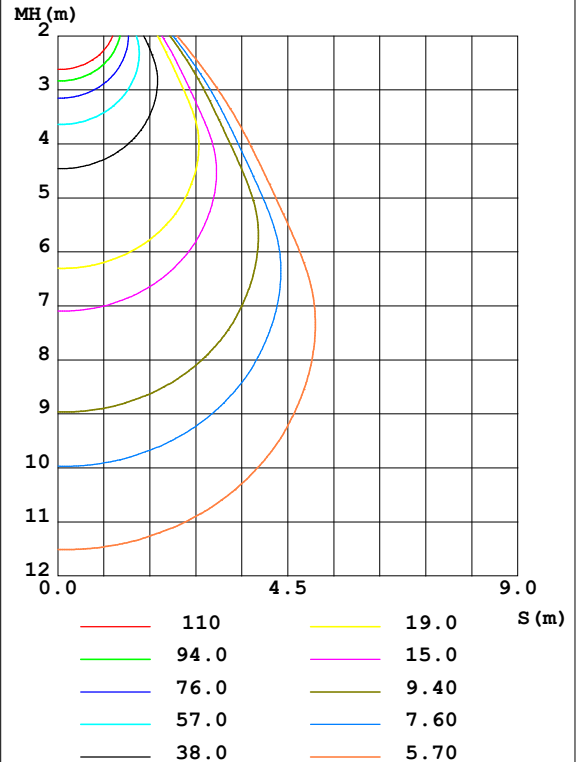
|                                                                                |                 |                  |
|--------------------------------------------------------------------------------|-----------------|------------------|
| Test:U:119.3V I:0.1320A P:15.60W PF:0.9900 Freq:60.00Hz Lamp Flux:1611.64x1 lm |                 |                  |
| NAME: 1FT                                                                      | TYPE:3000K 3.7  | WEIGHT:          |
| SPEC.:                                                                         | DIM.:           | SERIAL No.:      |
| MFR.: EVERFINE                                                                 | SUR.:0.29*0.045 | Shielding Angle: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA Eff: 103.31 lm/W |         |                    |           |
|------------------|---------|-----------------------------------|---------|--------------------|-----------|
| MODEL            |         | I <sub>max</sub> (cd)             | 756.1   | S/MH (C0/180)      | 1.14      |
| NOMINAL POWER(W) | 15W     | LOR(%)                            | 100.0   | S/MH (C90/270)     | 1.04      |
| RATED VOLTAGE(V) | 120.0   | TOTAL FLUX(lm)                    | 1611.6  | η UP,DN (C0-180)   | 18.5,32.2 |
| NOMINAL FLUX(lm) | 1611.64 | CIE CLASS                         | SEMI-D. | η UP,DN (C180-360) | 18.2,31.1 |
| LAMPS INSIDE     | 1       | η up (%)                          | 36.8    | CIBSE SHR NOM      | 1.00      |
| TEST VOLTAGE (V) | 120.0   | η down (%)                        | 63.2    | CIBSE SHR MAX      | 1.15      |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

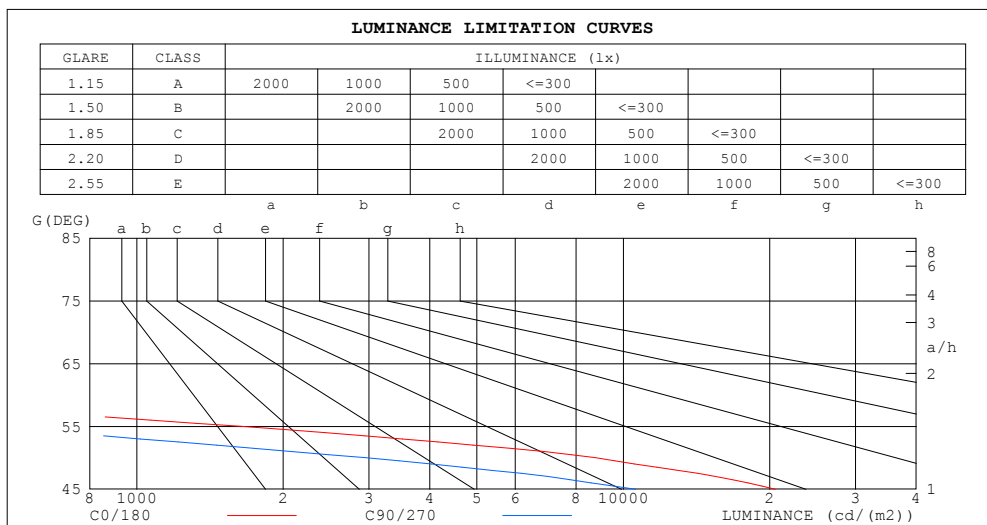
| $\gamma$ | C0                    | C45    | C90    | C135   | C180   | C225   | C270   | C315  | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum,lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|-------|----------|-------------|--------------|-----------|
| 10       | 749.0                 | 746.7  | 741.3  | 738.2  | 734.3  | 737.8  | 745.5  | 746.0 | 0- 10    | 71.46       | 71.46        | 4.43,4.43 |
| 20       | 713.9                 | 709.9  | 695.1  | 689.9  | 676.1  | 685.6  | 707.5  | 705.7 | 10- 20   | 204.4       | 275.9        | 17.1,17.1 |
| 30       | 622.0                 | 622.1  | 555.3  | 584.7  | 538.7  | 575.0  | 564.6  | 608.2 | 20- 30   | 298.9       | 574.8        | 35.7,35.7 |
| 40       | 342.7                 | 417.5  | 223.6  | 370.1  | 189.0  | 338.4  | 222.2  | 390.4 | 30- 40   | 286.7       | 861.4        | 53.5,53.5 |
| 50       | 73.06                 | 114.1  | 24.57  | 73.69  | 10.53  | 49.42  | 20.00  | 98.38 | 40- 50   | 132.5       | 993.9        | 61.7,61.7 |
| 60       | 2.257                 | 10.13  | 2.823  | 5.374  | 1.692  | 4.282  | 3.495  | 11.01 | 50- 60   | 20.30       | 1014         | 62.9,62.9 |
| 70       | 1.417                 | 1.535  | 1.674  | 1.472  | 0.9439 | 1.786  | 2.166  | 1.839 | 60- 70   | 2.497       | 1017         | 63.1,63.1 |
| 80       | 0.8432                | 0.9538 | 0.8629 | 0.8327 | 0.4694 | 1.020  | 1.198  | 1.163 | 70- 80   | 1.318       | 1018         | 63.2,63.2 |
| 90       | 11.89                 | 7.657  | 0.2233 | 0.6517 | 0.2397 | 0.7288 | 0.4233 | 7.771 | 80- 90   | 1.298       | 1019         | 63.2,63.2 |
| 100      | 71.52                 | 54.89  | 9.900  | 43.65  | 32.49  | 49.49  | 10.25  | 39.84 | 90-100   | 20.54       | 1040         | 64.5,64.5 |
| 110      | 110.1                 | 87.19  | 29.47  | 77.63  | 96.65  | 81.77  | 30.59  | 78.35 | 100-110  | 59.66       | 1100         | 68.2,68.2 |
| 120      | 148.5                 | 118.4  | 50.08  | 110.3  | 130.5  | 112.8  | 51.82  | 117.9 | 110-120  | 88.86       | 1188         | 73.7,73.7 |
| 130      | 183.4                 | 141.3  | 71.23  | 135.9  | 164.1  | 135.1  | 72.71  | 137.3 | 120-130  | 105.6       | 1294         | 80.3,80.3 |
| 140      | 196.2                 | 149.8  | 92.05  | 147.8  | 185.0  | 144.3  | 92.45  | 143.6 | 130-140  | 106.0       | 1400         | 86.9,86.9 |
| 150      | 182.1                 | 149.2  | 110.9  | 149.3  | 181.4  | 145.8  | 110.8  | 143.2 | 140-150  | 91.15       | 1491         | 92.5,92.5 |
| 160      | 160.5                 | 145.1  | 125.8  | 145.0  | 162.7  | 142.8  | 125.4  | 140.6 | 150-160  | 67.02       | 1558         | 96.7,96.7 |
| 170      | 144.1                 | 141.1  | 135.2  | 141.0  | 146.0  | 140.1  | 135.2  | 138.5 | 160-170  | 40.16       | 1598         | 99.2,99.2 |
| 180      | 138.1                 | 138.1  | 138.1  | 138.1  | 138.1  | 138.1  | 138.1  | 138.1 | 170-180  | 13.32       | 1612         | 100,100   |
| DEG      | LUMINOUS INTENSITY:cd |        |        |        |        |        |        |       |          | UNIT:lm     |              |           |

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

## LUMINANCE LIMITATION CURVES

|                                                                                |                 |                  |
|--------------------------------------------------------------------------------|-----------------|------------------|
| Test:U:119.3V I:0.1320A P:15.60W PF:0.9900 Freq:60.00Hz Lamp Flux:1611.64x1 lm |                 |                  |
| NAME: 1FT                                                                      | TYPE:3000K 3.7  | WEIGHT:          |
| SPEC.:                                                                         | DIM.:           | SERIAL No.:      |
| MFR.: EVERFINE                                                                 | SUR.:0.29*0.045 | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 559    | 526     |
| 80                | 374    | 382     |
| 75                | 332    | 370     |
| 70                | 319    | 377     |
| 65                | 324    | 398     |
| 60                | 347    | 434     |
| 55                | 1630   | 563     |
| 50                | 8743   | 2940    |
| 45                | 20510  | 10593   |

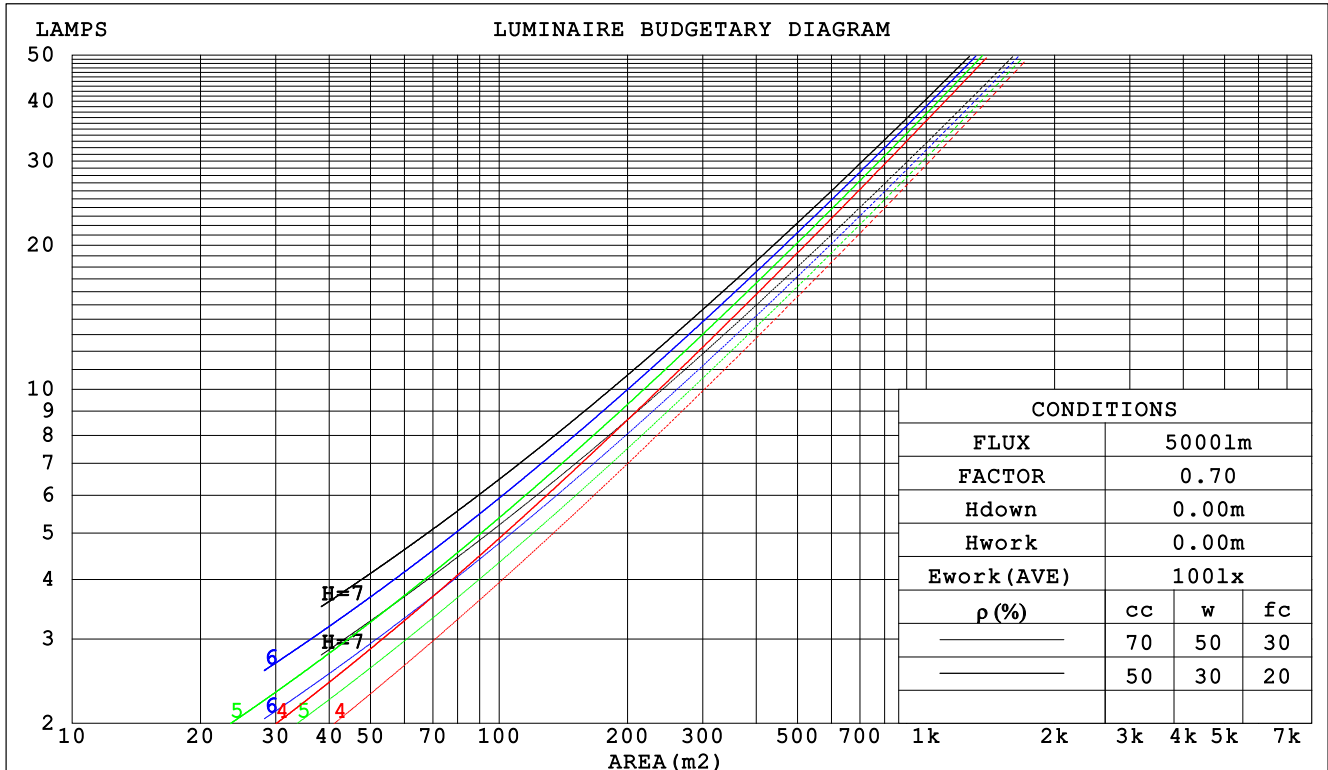
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                                |                 |                  |
|--------------------------------------------------------------------------------|-----------------|------------------|
| Test:U:119.3V I:0.1320A P:15.60W PF:0.9900 Freq:60.00Hz Lamp Flux:1611.64x1 lm |                 |                  |
| NAME: 1FT                                                                      | TYPE:3000K 3.7  | WEIGHT:          |
| SPEC.:                                                                         | DIM.:           | SERIAL No.:      |
| MFR.: EVERFINE                                                                 | SUR.:0.29*0.045 | 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 |      |      |      |      |      | Coefficients of Utilization(CU) |     |     |     |     |     |     |     |     |     |
| 0.0         | 1.10                  | 1.10 | 1.10 | 1.03 | 1.03 | 1.03 | .91                             | .91 | .91 | .79 | .79 | .79 | .68 | .68 | .68 | .63 |
| 1.0         | .00                   | .97  | .94  | .94  | .92  | .89  | .83                             | .81 | .80 | .73 | .72 | .71 | .64 | .63 | .63 | .58 |
| 2.0         | .91                   | .86  | .82  | .86  | .81  | .78  | .76                             | .73 | .71 | .68 | .66 | .64 | .60 | .59 | .57 | .53 |
| 3.0         | .82                   | .76  | .72  | .78  | .73  | .69  | .70                             | .66 | .63 | .63 | .60 | .57 | .56 | .54 | .52 | .49 |
| 4.0         | .75                   | .68  | .63  | .71  | .66  | .61  | .64                             | .60 | .56 | .58 | .55 | .52 | .52 | .50 | .48 | .45 |
| 5.0         | .69                   | .62  | .57  | .65  | .59  | .55  | .59                             | .55 | .51 | .54 | .50 | .47 | .49 | .46 | .44 | .41 |
| 6.0         | .63                   | .56  | .51  | .60  | .54  | .49  | .55                             | .50 | .46 | .50 | .46 | .43 | .45 | .42 | .40 | .38 |
| 7.0         | .58                   | .51  | .46  | .55  | .49  | .45  | .51                             | .46 | .42 | .46 | .42 | .39 | .42 | .39 | .37 | .35 |
| 8.0         | .53                   | .47  | .42  | .51  | .45  | .41  | .47                             | .42 | .38 | .43 | .39 | .36 | .39 | .36 | .34 | .32 |
| 9.0         | .50                   | .43  | .38  | .48  | .42  | .37  | .44                             | .39 | .35 | .40 | .36 | .33 | .37 | .34 | .31 | .30 |
| 10.0        | .46                   | .40  | .35  | .44  | .38  | .34  | .41                             | .36 | .33 | .38 | .34 | .31 | .35 | .31 | .29 | .27 |



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

### WEC AND CCEC

|                                                                                |  |  |                 |  |                  |
|--------------------------------------------------------------------------------|--|--|-----------------|--|------------------|
| Test:U:119.3V I:0.1320A P:15.60W PF:0.9900 Freq:60.00Hz Lamp Flux:1611.64x1 lm |  |  |                 |  |                  |
| NAME: 1FT                                                                      |  |  | TYPE:3000K 3.7  |  | WEIGHT:          |
| SPEC.:                                                                         |  |  | DIM.:           |  | SERIAL No.:      |
| MFR.: EVERFINE                                                                 |  |  | SUR.:0.29*0.045 |  | 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  | .217                  | .124 | .039 | .199 | .114 | .036 | .166                             | .095 | .030 | .135 | .078 | .025 | .107 | .062 | .020 |   |  |
| 2.0  | .206                  | .113 | .035 | .190 | .104 | .032 | .159                             | .089 | .028 | .132 | .074 | .023 | .106 | .060 | .019 |   |  |
| 3.0  | .194                  | .103 | .031 | .180 | .096 | .029 | .152                             | .082 | .025 | .127 | .070 | .021 | .103 | .057 | .018 |   |  |
| 4.0  | .183                  | .095 | .028 | .170 | .089 | .026 | .145                             | .077 | .023 | .122 | .065 | .020 | .100 | .054 | .017 |   |  |
| 5.0  | .173                  | .088 | .026 | .161 | .083 | .024 | .138                             | .072 | .021 | .117 | .062 | .018 | .097 | .052 | .016 |   |  |
| 6.0  | .164                  | .082 | .024 | .153 | .077 | .022 | .132                             | .067 | .020 | .112 | .058 | .017 | .093 | .049 | .015 |   |  |
| 7.0  | .155                  | .077 | .022 | .145 | .072 | .021 | .125                             | .063 | .018 | .107 | .055 | .016 | .090 | .047 | .014 |   |  |
| 8.0  | .147                  | .072 | .020 | .138 | .068 | .019 | .120                             | .060 | .017 | .103 | .052 | .015 | .087 | .044 | .013 |   |  |
| 9.0  | .140                  | .068 | .019 | .131 | .064 | .018 | .114                             | .057 | .016 | .098 | .049 | .014 | .083 | .042 | .012 |   |  |
| 10.0 | .133                  | .064 | .018 | .125 | .060 | .017 | .109                             | .054 | .015 | .094 | .047 | .013 | .080 | .040 | .012 |   |  |

| 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  | .470                  | .470 | .470 | .402 | .402 | .402 | .274                                       | .274 | .274 | .158 | .158 | .158 | .050 | .050 | .050 |   |
| 1.0  | .456                  | .439 | .424 | .390 | .377 | .365 | .267                                       | .259 | .252 | .154 | .150 | .147 | .049 | .048 | .047 |   |
| 2.0  | .445                  | .417 | .393 | .381 | .359 | .339 | .261                                       | .248 | .237 | .151 | .144 | .139 | .048 | .047 | .045 |   |
| 3.0  | .436                  | .400 | .371 | .373 | .345 | .321 | .256                                       | .239 | .225 | .148 | .140 | .133 | .048 | .045 | .044 |   |
| 4.0  | .428                  | .387 | .355 | .367 | .334 | .309 | .252                                       | .233 | .217 | .146 | .136 | .129 | .047 | .044 | .042 |   |
| 5.0  | .421                  | .376 | .344 | .361 | .326 | .299 | .249                                       | .227 | .211 | .144 | .134 | .125 | .046 | .044 | .041 |   |
| 6.0  | .414                  | .368 | .335 | .356 | .319 | .292 | .246                                       | .223 | .207 | .143 | .131 | .123 | .046 | .043 | .041 |   |
| 7.0  | .409                  | .362 | .329 | .351 | .313 | .286 | .243                                       | .220 | .203 | .141 | .129 | .121 | .046 | .042 | .040 |   |
| 8.0  | .403                  | .356 | .324 | .347 | .309 | .282 | .240                                       | .217 | .200 | .140 | .128 | .119 | .045 | .042 | .040 |   |
| 9.0  | .398                  | .352 | .320 | .343 | .305 | .279 | .238                                       | .214 | .198 | .139 | .127 | .118 | .045 | .042 | .039 |   |
| 10.0 | .394                  | .348 | .317 | .340 | .302 | .276 | .236                                       | .212 | .196 | .137 | .126 | .117 | .045 | .041 | .039 |   |

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

### UGR(Unified Glare Rating) Table

|                                                                                |                  |      |      |      |                 |                |      |                  |      |      |
|--------------------------------------------------------------------------------|------------------|------|------|------|-----------------|----------------|------|------------------|------|------|
| Test:U:119.3V I:0.1320A P:15.60W PF:0.9900 Freq:60.00Hz Lamp Flux:1611.64x1 lm |                  |      |      |      |                 |                |      |                  |      |      |
| NAME: 1FT                                                                      |                  |      |      |      | TYPE:3000K 3.7  |                |      | WEIGHT:          |      |      |
| SPEC.:                                                                         |                  |      |      |      | DIM.:           |                |      | SERIAL No.:      |      |      |
| MFR.: EVERFINE                                                                 |                  |      |      |      | SUR.:0.29*0.045 |                |      | 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             | 19.3 | 19.1 | 19.9 | 20.7            | 17.0           | 17.8 | 17.7             | 18.5 | 19.3 |
| 3H                                                                             | 18.1             | 18.9 | 18.9 | 19.6 | 20.4            | 16.7           | 17.5 | 17.4             | 18.2 | 19.0 |
| 4H                                                                             | 18.0             | 18.7 | 18.7 | 19.4 | 20.3            | 16.6           | 17.3 | 17.3             | 18.0 | 18.9 |
| 6H                                                                             | 17.8             | 18.5 | 18.6 | 19.2 | 20.1            | 16.4           | 17.1 | 17.2             | 17.8 | 18.7 |
| 8H                                                                             | 17.7             | 18.4 | 18.5 | 19.1 | 20.1            | 16.3           | 16.9 | 17.1             | 17.7 | 18.6 |
| 12H                                                                            | 17.7             | 18.2 | 18.5 | 19.0 | 20.0            | 16.2           | 16.8 | 17.0             | 17.6 | 18.6 |
| 4H 2H                                                                          | 18.0             | 18.7 | 18.7 | 19.4 | 20.3            | 16.6           | 17.3 | 17.3             | 18.0 | 18.9 |
| 3H                                                                             | 17.7             | 18.3 | 18.5 | 19.0 | 20.0            | 16.3           | 16.9 | 17.1             | 17.6 | 18.6 |
| 4H                                                                             | 17.5             | 18.0 | 18.3 | 18.8 | 19.8            | 16.1           | 16.6 | 16.9             | 17.4 | 18.4 |
| 6H                                                                             | 17.3             | 17.8 | 18.2 | 18.6 | 19.7            | 15.9           | 16.4 | 16.8             | 17.2 | 18.3 |
| 8H                                                                             | 17.3             | 17.7 | 18.1 | 18.5 | 19.6            | 15.9           | 16.3 | 16.7             | 17.1 | 18.2 |
| 12H                                                                            | 17.2             | 17.6 | 18.1 | 18.4 | 19.5            | 15.8           | 16.2 | 16.7             | 17.0 | 18.1 |
| 8H 4H                                                                          | 17.3             | 17.7 | 18.1 | 18.5 | 19.6            | 15.9           | 16.3 | 16.7             | 17.1 | 18.2 |
| 6H                                                                             | 17.1             | 17.4 | 18.0 | 18.3 | 19.4            | 15.7           | 16.0 | 16.6             | 16.9 | 18.0 |
| 8H                                                                             | 17.0             | 17.3 | 17.9 | 18.2 | 19.3            | 15.6           | 15.9 | 16.5             | 16.8 | 17.9 |
| 12H                                                                            | 16.9             | 17.2 | 17.8 | 18.1 | 19.2            | 15.5           | 15.8 | 16.4             | 16.7 | 17.8 |
| 12H 4H                                                                         | 17.2             | 17.5 | 18.0 | 18.4 | 19.5            | 15.8           | 16.2 | 16.6             | 17.0 | 18.1 |
| 6H                                                                             | 17.0             | 17.3 | 17.9 | 18.2 | 19.3            | 15.6           | 15.9 | 16.5             | 16.8 | 17.9 |
| 8H                                                                             | 16.9             | 17.2 | 17.8 | 18.1 | 19.2            | 15.5           | 15.8 | 16.4             | 16.7 | 17.8 |
| Variations with the observer position at spacings:                             |                  |      |      |      |                 |                |      |                  |      |      |
| S = 1.0H                                                                       | + 2.6 / -16.9    |      |      |      |                 | + 3.1 / -16.1  |      |                  |      |      |
| 1.5H                                                                           | + 3.4 / - 9.1    |      |      |      |                 | + 3.4 / -13.6  |      |                  |      |      |
| 2.0H                                                                           | + 6.6 / -16.7    |      |      |      |                 | + 6.0 / -13.1  |      |                  |      |      |

CIE Pub.117 Corrected 1612 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.7)

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

|                                                                                |                 |                  |
|--------------------------------------------------------------------------------|-----------------|------------------|
| Test:U:119.3V I:0.1320A P:15.60W PF:0.9900 Freq:60.00Hz Lamp Flux:1611.64x1 lm |                 |                  |
| NAME: 1FT                                                                      | TYPE:3000K 3.7  | WEIGHT:          |
| SPEC.:                                                                         | DIM.:           | SERIAL No.:      |
| MFR.: EVERFINE                                                                 | SUR.:0.29*0.045 | Shielding Angle: |

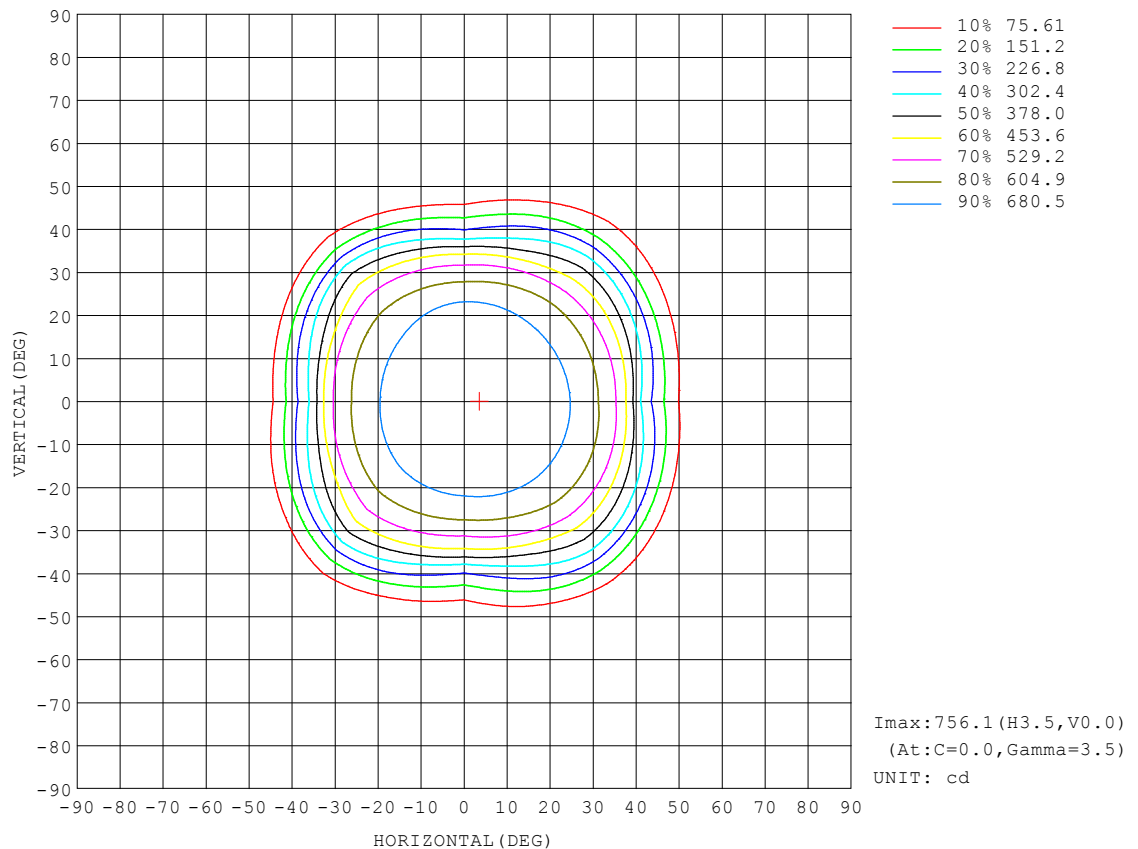
| REFLECTANCE                      |                                                      |     |           |     |     |     |     |               |     |        |
|----------------------------------|------------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 63                                                   | 54  | 49        | 61  | 53  | 48  | 58  | 51            | 47  | 41     |
| 0.80                             | 71                                                   | 63  | 57        | 69  | 61  | 56  | 64  | 58            | 54  | 47     |
| 1.00                             | 77                                                   | 69  | 64        | 74  | 67  | 62  | 69  | 64            | 59  | 51     |
| 1.25                             | 83                                                   | 75  | 69        | 79  | 72  | 68  | 73  | 68            | 64  | 54     |
| 1.50                             | 87                                                   | 79  | 74        | 83  | 76  | 72  | 76  | 71            | 67  | 56     |
| 2.00                             | 92                                                   | 85  | 80        | 87  | 82  | 77  | 79  | 75            | 72  | 58     |
| 2.50                             | 95                                                   | 89  | 84        | 90  | 85  | 81  | 81  | 77            | 74  | 58     |
| 3.00                             | 97                                                   | 92  | 87        | 92  | 87  | 84  | 83  | 79            | 77  | 59     |
| 4.00                             | 100                                                  | 96  | 92        | 95  | 91  | 88  | 85  | 82            | 80  | 61     |
| 5.00                             | 102                                                  | 98  | 95        | 96  | 93  | 90  | 86  | 84            | 82  | 61     |
| ROOM INDEX                       | UF (total)                                           |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                      |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

|                                                                                |                 |                  |
|--------------------------------------------------------------------------------|-----------------|------------------|
| Test:U:119.3V I:0.1320A P:15.60W PF:0.9900 Freq:60.00Hz Lamp Flux:1611.64x1 lm |                 |                  |
| NAME: 1FT                                                                      | TYPE:3000K 3.7  | WEIGHT:          |
| SPEC.:                                                                         | DIM.:           | SERIAL No.:      |
| MFR.: EVERFINE                                                                 | SUR.:0.29*0.045 | Shielding Angle: |

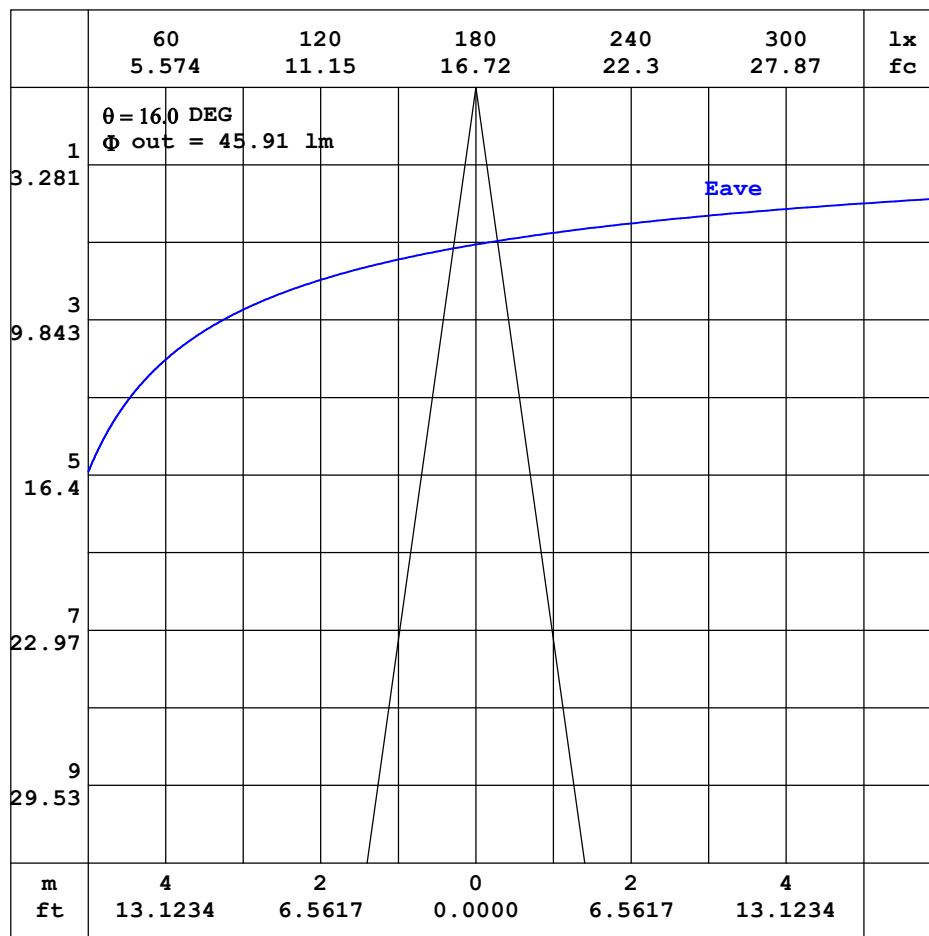


C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

## AAI CURVES

|                                                                                |                 |                  |
|--------------------------------------------------------------------------------|-----------------|------------------|
| Test:U:119.3V I:0.1320A P:15.60W PF:0.9900 Freq:60.00Hz Lamp Flux:1611.64x1 lm |                 |                  |
| NAME: 1FT                                                                      | TYPE:3000K 3.7  | WEIGHT:          |
| SPEC.:                                                                         | DIM.:           | SERIAL No.:      |
| MFR.: EVERFINE                                                                 | SUR.:0.29*0.045 | Shielding Angle: |



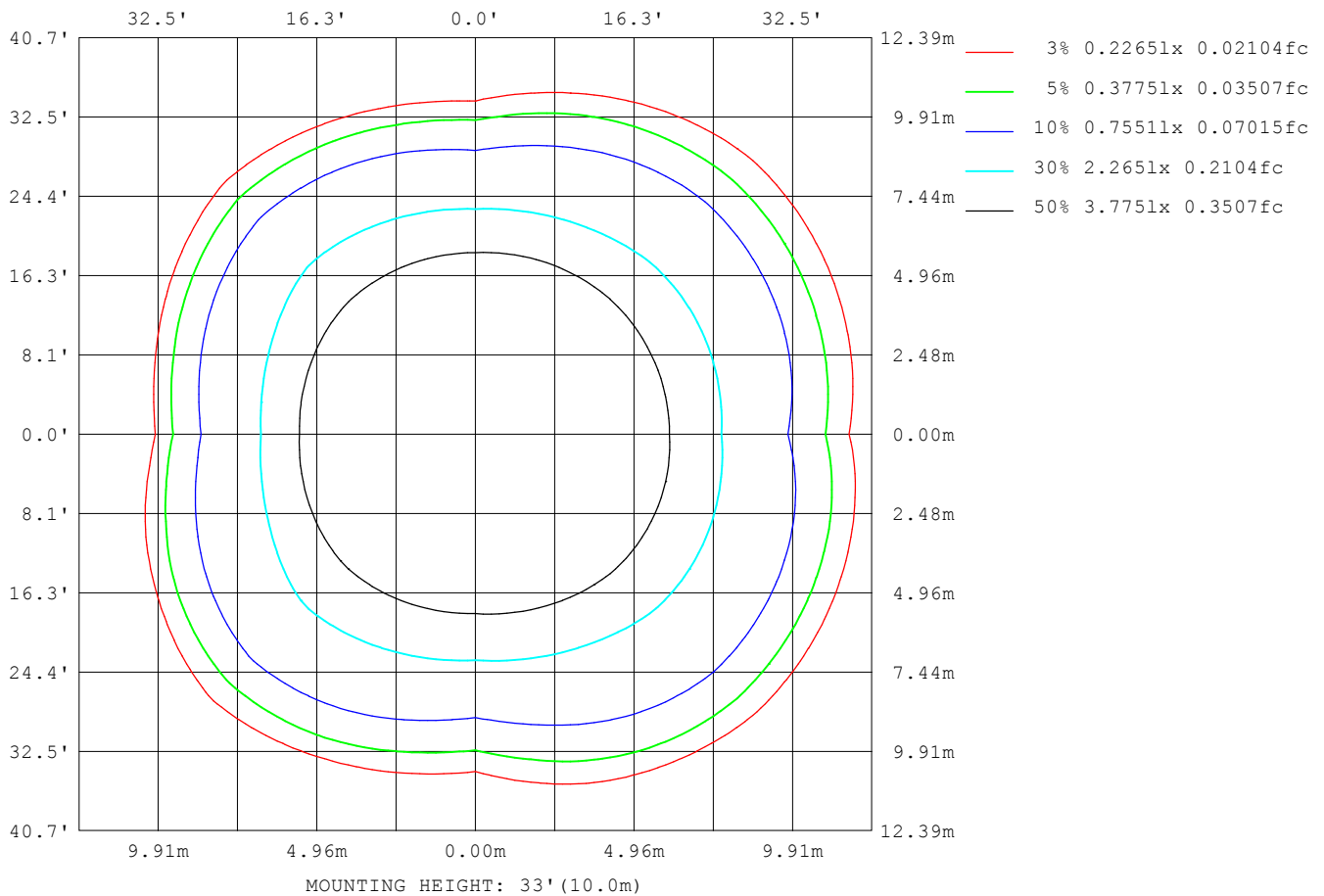
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.3DEG  
 Operators:  
 Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
 Humidity: 65.0%  
 Test Distance: 10.000m [K=1.0000]  
 Remarks:

### ISOLUX DIAGRAM

|                                                                                |                 |                  |
|--------------------------------------------------------------------------------|-----------------|------------------|
| Test:U:119.3V I:0.1320A P:15.60W PF:0.9900 Freq:60.00Hz Lamp Flux:1611.64x1 lm |                 |                  |
| NAME: 1FT                                                                      | TYPE:3000K 3.7  | WEIGHT:          |
| SPEC.:                                                                         | DIM.:           | SERIAL No.:      |
| MFR.: EVERFINE                                                                 | SUR.:0.29*0.045 | Shielding Angle: |



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
 Humidity:65.0%  
 Test Distance:10.000m [K=1.0000]  
 Remarks:

### LED Avg.L Report

|                                                                                |                 |                  |
|--------------------------------------------------------------------------------|-----------------|------------------|
| Test:U:119.3V I:0.1320A P:15.60W PF:0.9900 Freq:60.00Hz Lamp Flux:1611.64x1 lm |                 |                  |
| NAME: 1FT                                                                      | TYPE:3000K 3.7  | WEIGHT:          |
| SPEC.:                                                                         | DIM.:           | SERIAL No.:      |
| MFR.: EVERFINE                                                                 | SUR.:0.29*0.045 | Shielding Angle: |

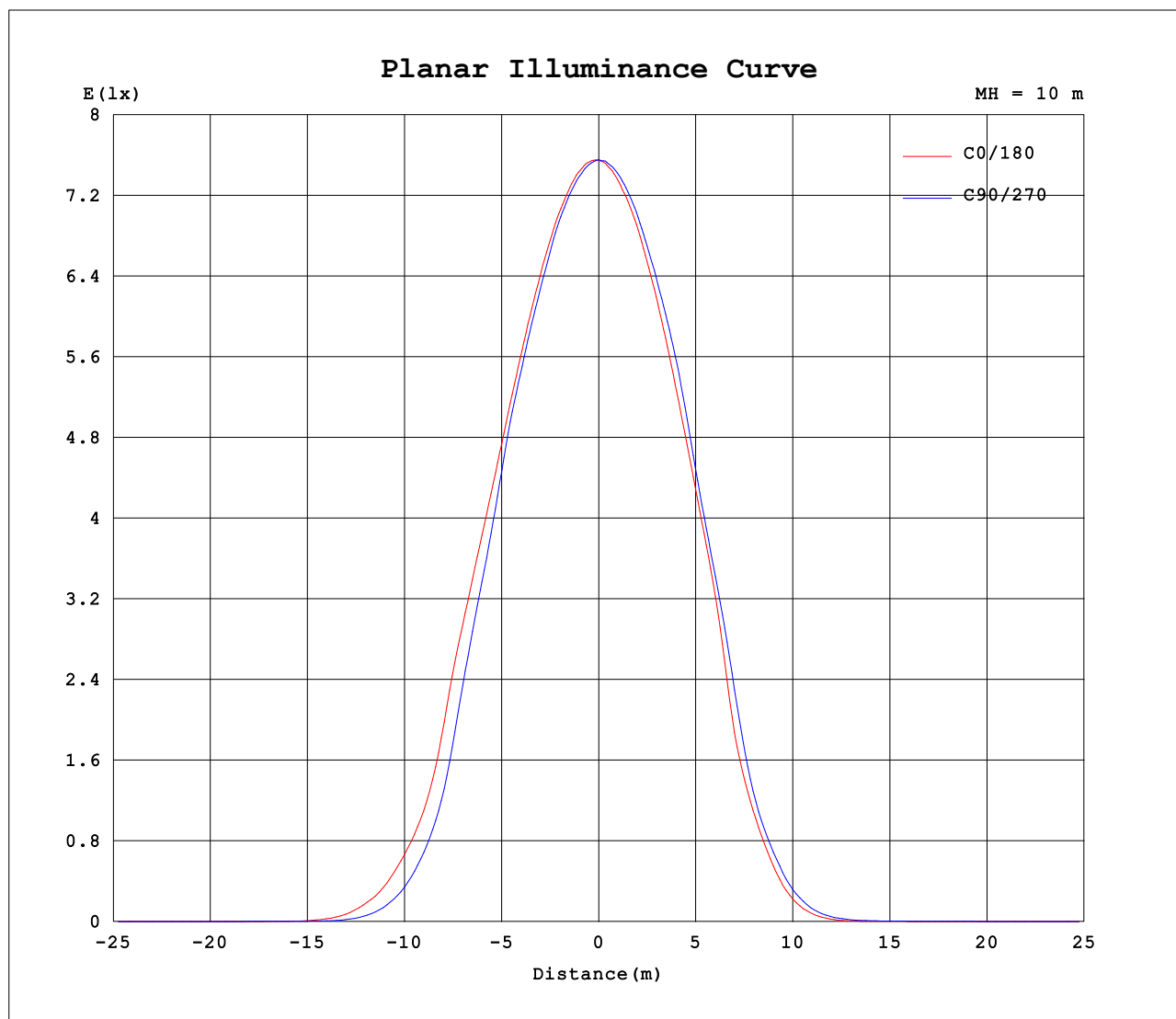
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 278   |
| L_0~180 (75) av  | 265   |
| L_0~180 (85) av  | 426   |
| L_90~270 (65) av | 446   |
| L_90~270 (75) av | 431   |
| L_90~270 (85) av | 626   |
| L_45 (65) av     | 385   |
| L_45 (75) av     | 385   |
| L_45 (85) av     | 680   |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3DEG  
Operators:  
Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity: 65.0%  
Test Distance: 10.000m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                |                 |                  |
|--------------------------------------------------------------------------------|-----------------|------------------|
| Test:U:119.3V I:0.1320A P:15.60W PF:0.9900 Freq:60.00Hz Lamp Flux:1611.64x1 lm |                 |                  |
| NAME: 1FT                                                                      | TYPE:3000K 3.7  | WEIGHT:          |
| SPEC.:                                                                         | DIM.:           | SERIAL No.:      |
| MFR.: EVERFINE                                                                 | SUR.:0.29*0.045 | Shielding Angle: |

Table--1

UNIT: cd

| $\gamma$ (DEG) \ C (DEG) | 0    | 5    | 10   | 15   | 20   | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   | 85   | 90   |
|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0                        | 755  | 755  | 755  | 755  | 755  | 754  | 754  | 754  | 754  | 754  | 755  | 755  | 755  | 755  | 755  | 755  | 755  | 755  | 755  |
| 5                        | 755  | 755  | 755  | 755  | 755  | 755  | 754  | 754  | 754  | 754  | 753  | 753  | 753  | 752  | 752  | 752  | 751  | 751  | 751  |
| 10                       | 749  | 749  | 749  | 749  | 748  | 748  | 748  | 747  | 747  | 747  | 746  | 746  | 745  | 744  | 744  | 743  | 742  | 742  | 741  |
| 15                       | 737  | 737  | 737  | 736  | 736  | 736  | 735  | 735  | 734  | 733  | 732  | 731  | 729  | 728  | 727  | 726  | 725  | 723  | 722  |
| 20                       | 714  | 714  | 714  | 714  | 713  | 713  | 712  | 712  | 711  | 710  | 708  | 707  | 705  | 703  | 702  | 700  | 698  | 697  | 695  |
| 25                       | 678  | 678  | 678  | 678  | 678  | 678  | 677  | 676  | 675  | 674  | 671  | 669  | 666  | 664  | 661  | 658  | 655  | 653  | 651  |
| 30                       | 622  | 625  | 628  | 629  | 630  | 630  | 630  | 628  | 625  | 622  | 615  | 607  | 599  | 591  | 583  | 575  | 568  | 561  | 555  |
| 35                       | 536  | 542  | 547  | 550  | 552  | 552  | 551  | 549  | 545  | 540  | 527  | 514  | 500  | 486  | 472  | 459  | 447  | 436  | 427  |
| 40                       | 343  | 364  | 383  | 398  | 409  | 417  | 422  | 424  | 422  | 418  | 398  | 376  | 353  | 328  | 304  | 280  | 259  | 239  | 224  |
| 45                       | 189  | 212  | 233  | 250  | 263  | 273  | 280  | 283  | 284  | 280  | 263  | 243  | 222  | 199  | 176  | 154  | 133  | 114  | 97.4 |
| 50                       | 73.1 | 84.1 | 93.4 | 101  | 107  | 112  | 115  | 116  | 116  | 114  | 106  | 96.0 | 85.4 | 74.4 | 63.2 | 52.3 | 42.0 | 32.6 | 24.6 |
| 55                       | 12.2 | 17.8 | 22.8 | 27.1 | 30.6 | 33.4 | 35.5 | 36.8 | 37.5 | 37.4 | 34.6 | 31.2 | 27.3 | 23.3 | 19.1 | 14.9 | 10.9 | 7.32 | 4.20 |
| 60                       | 2.26 | 3.88 | 5.32 | 6.57 | 7.63 | 8.51 | 9.20 | 9.70 | 10.0 | 10.1 | 9.61 | 8.94 | 8.15 | 7.27 | 6.34 | 5.40 | 4.48 | 3.61 | 2.82 |
| 65                       | 1.78 | 1.81 | 1.84 | 1.86 | 1.89 | 1.91 | 1.94 | 1.96 | 1.99 | 2.01 | 2.04 | 2.07 | 2.09 | 2.12 | 2.14 | 2.16 | 2.17 | 2.18 | 2.19 |
| 70                       | 1.42 | 1.43 | 1.44 | 1.45 | 1.47 | 1.48 | 1.49 | 1.51 | 1.52 | 1.53 | 1.56 | 1.58 | 1.60 | 1.62 | 1.63 | 1.65 | 1.66 | 1.67 | 1.67 |
| 75                       | 1.12 | 1.13 | 1.15 | 1.16 | 1.18 | 1.19 | 1.20 | 1.21 | 1.22 | 1.22 | 1.23 | 1.24 | 1.24 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.24 |
| 80                       | 0.84 | 0.87 | 0.89 | 0.90 | 0.92 | 0.93 | 0.94 | 0.95 | 0.95 | 0.95 | 0.95 | 0.94 | 0.93 | 0.92 | 0.91 | 0.90 | 0.89 | 0.87 | 0.86 |
| 85                       | 0.63 | 0.66 | 0.68 | 0.69 | 0.71 | 0.72 | 0.72 | 0.73 | 0.73 | 0.73 | 0.72 | 0.71 | 0.69 | 0.67 | 0.66 | 0.64 | 0.63 | 0.61 | 0.60 |
| 90                       | 11.9 | 11.6 | 11.2 | 10.8 | 10.4 | 9.93 | 9.42 | 8.87 | 8.28 | 7.66 | 6.79 | 5.89 | 4.99 | 4.09 | 3.21 | 2.37 | 1.59 | 0.86 | 0.22 |
| 95                       | 35.4 | 36.2 | 36.7 | 36.9 | 36.7 | 36.2 | 35.5 | 34.3 | 32.9 | 31.2 | 27.8 | 24.2 | 20.5 | 16.8 | 13.1 | 9.60 | 6.36 | 3.49 | 1.08 |
| 100                      | 71.5 | 71.1 | 70.3 | 69.1 | 67.6 | 65.8 | 63.6 | 61.0 | 58.1 | 54.9 | 49.3 | 43.6 | 37.8 | 32.0 | 26.5 | 21.4 | 16.9 | 13.0 | 9.90 |
| 105                      | 91.5 | 90.7 | 89.4 | 87.8 | 85.8 | 83.5 | 80.7 | 77.7 | 74.2 | 70.4 | 63.9 | 57.3 | 50.6 | 44.1 | 37.8 | 32.1 | 27.0 | 22.7 | 19.4 |
| 110                      | 110  | 109  | 108  | 106  | 104  | 102  | 98.7 | 95.3 | 91.4 | 87.2 | 79.9 | 72.4 | 64.9 | 57.5 | 50.4 | 43.9 | 38.1 | 33.2 | 29.5 |
| 115                      | 130  | 129  | 127  | 125  | 123  | 120  | 117  | 113  | 108  | 104  | 95.5 | 87.1 | 78.7 | 70.5 | 62.7 | 55.5 | 49.1 | 43.8 | 39.7 |
| 120                      | 148  | 147  | 145  | 143  | 140  | 136  | 133  | 128  | 124  | 118  | 110  | 101  | 91.6 | 82.9 | 74.5 | 66.8 | 60.0 | 54.4 | 50.1 |
| 125                      | 167  | 165  | 162  | 159  | 156  | 152  | 147  | 143  | 137  | 132  | 122  | 113  | 104  | 94.4 | 85.7 | 77.7 | 70.8 | 65.0 | 60.6 |
| 130                      | 183  | 180  | 176  | 172  | 168  | 163  | 158  | 153  | 147  | 141  | 132  | 122  | 113  | 104  | 95.4 | 87.7 | 80.9 | 75.3 | 71.2 |
| 135                      | 193  | 189  | 185  | 180  | 175  | 170  | 165  | 159  | 153  | 147  | 138  | 129  | 120  | 112  | 104  | 96.6 | 90.4 | 85.4 | 81.7 |
| 140                      | 196  | 192  | 187  | 182  | 177  | 172  | 166  | 161  | 155  | 150  | 142  | 134  | 126  | 118  | 111  | 105  | 99.5 | 95.1 | 92.1 |
| 145                      | 192  | 187  | 183  | 179  | 174  | 170  | 165  | 160  | 155  | 150  | 143  | 137  | 130  | 124  | 118  | 112  | 108  | 104  | 102  |
| 150                      | 182  | 179  | 175  | 172  | 168  | 164  | 161  | 157  | 153  | 149  | 144  | 138  | 133  | 128  | 123  | 119  | 116  | 113  | 111  |
| 155                      | 171  | 169  | 166  | 164  | 161  | 158  | 156  | 153  | 150  | 147  | 143  | 139  | 135  | 132  | 128  | 125  | 122  | 120  | 119  |
| 160                      | 161  | 159  | 157  | 156  | 154  | 152  | 151  | 149  | 147  | 145  | 142  | 140  | 137  | 134  | 132  | 130  | 128  | 127  | 126  |
| 165                      | 151  | 150  | 149  | 149  | 148  | 147  | 146  | 145  | 144  | 143  | 141  | 140  | 138  | 136  | 135  | 134  | 133  | 132  | 131  |
| 170                      | 144  | 144  | 144  | 143  | 143  | 143  | 142  | 142  | 142  | 141  | 140  | 140  | 139  | 138  | 137  | 137  | 136  | 136  | 135  |
| 175                      | 140  | 140  | 140  | 140  | 140  | 140  | 140  | 140  | 140  | 140  | 140  | 139  | 139  | 139  | 138  | 138  | 138  | 138  | 138  |
| 180                      | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  |

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

### LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                |                 |                  |
|--------------------------------------------------------------------------------|-----------------|------------------|
| Test:U:119.3V I:0.1320A P:15.60W PF:0.9900 Freq:60.00Hz Lamp Flux:1611.64x1 lm |                 |                  |
| NAME: 1FT                                                                      | TYPE:3000K 3.7  | WEIGHT:          |
| SPEC.:                                                                         | DIM.:           | SERIAL No.:      |
| MFR.: EVERFINE                                                                 | SUR.:0.29*0.045 | Shielding Angle: |

Table--2

UNIT: cd

| C (DEG)<br>γ (DEG) | 95   | 100  | 105  | 110  | 115  | 120  | 125  | 130  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  | 185  |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0                  | 755  | 755  | 755  | 755  | 755  | 755  | 755  | 755  | 755  | 755  | 755  | 755  | 755  | 755  | 755  | 755  | 755  | 755  | 755  |
| 5                  | 751  | 750  | 750  | 750  | 750  | 750  | 750  | 750  | 750  | 749  | 749  | 749  | 749  | 748  | 748  | 748  | 748  | 748  | 748  |
| 10                 | 741  | 741  | 740  | 740  | 739  | 739  | 739  | 739  | 738  | 738  | 737  | 737  | 736  | 736  | 735  | 735  | 734  | 734  | 734  |
| 15                 | 722  | 722  | 722  | 721  | 721  | 721  | 721  | 721  | 720  | 719  | 718  | 717  | 716  | 715  | 714  | 713  | 712  | 712  | 712  |
| 20                 | 694  | 694  | 693  | 693  | 692  | 692  | 691  | 691  | 690  | 688  | 686  | 685  | 683  | 681  | 680  | 678  | 677  | 676  | 676  |
| 25                 | 650  | 649  | 649  | 649  | 648  | 648  | 648  | 647  | 646  | 643  | 640  | 637  | 634  | 631  | 628  | 625  | 623  | 621  | 622  |
| 30                 | 557  | 560  | 563  | 567  | 571  | 575  | 579  | 582  | 585  | 580  | 575  | 570  | 564  | 558  | 553  | 547  | 543  | 539  | 541  |
| 35                 | 433  | 440  | 449  | 459  | 468  | 477  | 485  | 491  | 495  | 479  | 462  | 443  | 423  | 404  | 385  | 368  | 353  | 341  | 350  |
| 40                 | 235  | 250  | 268  | 286  | 306  | 325  | 342  | 358  | 370  | 354  | 335  | 314  | 291  | 268  | 245  | 224  | 205  | 189  | 200  |
| 45                 | 105  | 115  | 127  | 141  | 155  | 169  | 182  | 194  | 204  | 192  | 177  | 161  | 144  | 126  | 108  | 91.8 | 76.7 | 63.7 | 69.0 |
| 50                 | 27.8 | 32.3 | 37.9 | 44.2 | 50.8 | 57.4 | 63.6 | 69.2 | 73.7 | 68.3 | 61.8 | 54.5 | 46.7 | 38.7 | 30.8 | 23.3 | 16.4 | 10.5 | 12.9 |
| 55                 | 5.47 | 7.25 | 9.44 | 11.9 | 14.5 | 17.1 | 19.5 | 21.8 | 23.6 | 21.9 | 19.7 | 17.3 | 14.6 | 11.9 | 9.22 | 6.63 | 4.26 | 2.22 | 3.05 |
| 60                 | 2.91 | 3.10 | 3.37 | 3.70 | 4.05 | 4.42 | 4.78 | 5.10 | 5.37 | 5.04 | 4.65 | 4.22 | 3.76 | 3.30 | 2.84 | 2.41 | 2.02 | 1.69 | 1.85 |
| 65                 | 2.18 | 2.16 | 2.14 | 2.11 | 2.08 | 2.05 | 2.01 | 1.96 | 1.91 | 1.82 | 1.73 | 1.64 | 1.55 | 1.47 | 1.40 | 1.35 | 1.30 | 1.28 | 1.35 |
| 70                 | 1.67 | 1.66 | 1.64 | 1.63 | 1.60 | 1.58 | 1.55 | 1.51 | 1.47 | 1.40 | 1.32 | 1.25 | 1.18 | 1.11 | 1.05 | 1.00 | 0.97 | 0.94 | 1.00 |
| 75                 | 1.24 | 1.23 | 1.22 | 1.21 | 1.19 | 1.18 | 1.16 | 1.13 | 1.10 | 1.04 | 0.98 | 0.92 | 0.86 | 0.81 | 0.76 | 0.72 | 0.68 | 0.67 | 0.72 |
| 80                 | 0.86 | 0.86 | 0.87 | 0.87 | 0.86 | 0.86 | 0.85 | 0.85 | 0.83 | 0.79 | 0.74 | 0.69 | 0.64 | 0.59 | 0.55 | 0.52 | 0.49 | 0.47 | 0.51 |
| 85                 | 0.61 | 0.62 | 0.63 | 0.64 | 0.65 | 0.66 | 0.67 | 0.67 | 0.67 | 0.63 | 0.59 | 0.54 | 0.50 | 0.46 | 0.42 | 0.38 | 0.35 | 0.33 | 0.36 |
| 90                 | 0.26 | 0.30 | 0.35 | 0.41 | 0.46 | 0.51 | 0.56 | 0.60 | 0.65 | 0.62 | 0.57 | 0.52 | 0.47 | 0.42 | 0.36 | 0.31 | 0.27 | 0.24 | 0.28 |
| 95                 | 1.76 | 2.91 | 4.43 | 6.22 | 8.21 | 10.3 | 12.4 | 14.3 | 16.1 | 15.6 | 14.8 | 13.9 | 12.9 | 11.8 | 10.8 | 9.85 | 9.05 | 8.44 | 9.95 |
| 100                | 12.0 | 14.9 | 18.5 | 22.5 | 26.8 | 31.3 | 35.7 | 39.9 | 43.7 | 43.3 | 42.5 | 41.3 | 39.9 | 38.3 | 36.7 | 35.1 | 33.7 | 32.5 | 34.5 |
| 105                | 21.7 | 25.0 | 29.2 | 34.0 | 39.2 | 44.8 | 50.5 | 56.1 | 61.6 | 64.2 | 66.4 | 68.3 | 69.8 | 71.0 | 72.0 | 72.6 | 73.0 | 73.1 | 73.6 |
| 110                | 32.1 | 35.8 | 40.4 | 45.8 | 51.8 | 58.1 | 64.7 | 71.3 | 77.6 | 81.3 | 84.5 | 87.4 | 90.0 | 92.1 | 93.8 | 95.2 | 96.1 | 96.6 | 96.7 |
| 115                | 42.8 | 47.1 | 52.5 | 58.7 | 65.5 | 72.7 | 80.1 | 87.5 | 94.6 | 98.4 | 102  | 105  | 107  | 109  | 111  | 112  | 113  | 113  | 113  |
| 120                | 53.5 | 58.3 | 64.2 | 71.0 | 78.5 | 86.4 | 94.4 | 103  | 110  | 114  | 118  | 121  | 124  | 126  | 128  | 129  | 130  | 131  | 131  |
| 125                | 64.2 | 69.3 | 75.5 | 82.7 | 90.6 | 99.0 | 108  | 116  | 124  | 129  | 134  | 137  | 140  | 143  | 145  | 147  | 148  | 148  | 148  |
| 130                | 74.9 | 80.0 | 86.3 | 93.5 | 101  | 110  | 119  | 127  | 136  | 141  | 146  | 150  | 154  | 157  | 160  | 162  | 163  | 164  | 163  |
| 135                | 85.2 | 90.0 | 95.9 | 103  | 110  | 118  | 127  | 135  | 144  | 149  | 155  | 160  | 164  | 168  | 171  | 174  | 176  | 177  | 175  |
| 140                | 95.1 | 99.3 | 105  | 111  | 117  | 125  | 132  | 140  | 148  | 154  | 160  | 165  | 170  | 175  | 178  | 181  | 184  | 185  | 183  |
| 145                | 104  | 108  | 112  | 118  | 123  | 129  | 136  | 143  | 149  | 155  | 161  | 166  | 171  | 176  | 179  | 183  | 185  | 186  | 184  |
| 150                | 113  | 116  | 119  | 123  | 128  | 133  | 138  | 144  | 149  | 154  | 159  | 164  | 168  | 172  | 175  | 178  | 180  | 181  | 180  |
| 155                | 120  | 123  | 125  | 128  | 132  | 136  | 140  | 144  | 148  | 152  | 156  | 159  | 162  | 165  | 168  | 170  | 172  | 173  | 171  |
| 160                | 127  | 128  | 130  | 132  | 134  | 137  | 140  | 142  | 145  | 148  | 150  | 153  | 155  | 157  | 159  | 161  | 162  | 163  | 162  |
| 165                | 132  | 133  | 134  | 135  | 136  | 138  | 140  | 141  | 143  | 145  | 146  | 148  | 149  | 150  | 151  | 152  | 153  | 153  | 153  |
| 170                | 136  | 136  | 136  | 137  | 138  | 139  | 139  | 140  | 141  | 142  | 143  | 143  | 144  | 145  | 145  | 146  | 146  | 146  | 146  |
| 175                | 138  | 138  | 138  | 138  | 139  | 139  | 139  | 139  | 140  | 140  | 140  | 140  | 141  | 141  | 141  | 141  | 141  | 141  | 141  |
| 180                | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  |

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                |  |  |  |  |  |  |  |  |                 |  |  |  |  |                  |  |  |  |  |
|--------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|-----------------|--|--|--|--|------------------|--|--|--|--|
| Test:U:119.3V I:0.1320A P:15.60W PF:0.9900 Freq:60.00Hz Lamp Flux:1611.64x1 lm |  |  |  |  |  |  |  |  |                 |  |  |  |  |                  |  |  |  |  |
| NAME: 1FT                                                                      |  |  |  |  |  |  |  |  | TYPE:3000K 3.7  |  |  |  |  | WEIGHT:          |  |  |  |  |
| SPEC.:                                                                         |  |  |  |  |  |  |  |  | DIM.:           |  |  |  |  | SERIAL No.:      |  |  |  |  |
| MFR.: EVERFINE                                                                 |  |  |  |  |  |  |  |  | SUR.:0.29*0.045 |  |  |  |  | Shielding Angle: |  |  |  |  |

Table--3

UNIT: cd

| C (DEG)<br>γ (DEG) | 190  | 195  | 200  | 205  | 210  | 215  | 220  | 225  | 230  | 235  | 240  | 245  | 250  | 255  | 260  | 265  | 270  | 275  | 280  |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0                  | 755  | 755  | 755  | 755  | 755  | 754  | 754  | 754  | 755  | 755  | 755  | 755  | 755  | 755  | 755  | 755  | 755  | 755  | 755  |
| 5                  | 748  | 748  | 748  | 748  | 749  | 749  | 749  | 749  | 750  | 750  | 751  | 751  | 752  | 752  | 753  | 753  | 753  | 753  | 753  |
| 10                 | 735  | 735  | 735  | 736  | 736  | 737  | 737  | 738  | 739  | 740  | 740  | 741  | 742  | 743  | 744  | 745  | 745  | 746  | 746  |
| 15                 | 712  | 712  | 713  | 714  | 714  | 715  | 716  | 718  | 719  | 721  | 722  | 724  | 725  | 726  | 728  | 729  | 730  | 731  | 731  |
| 20                 | 677  | 677  | 678  | 679  | 681  | 682  | 684  | 686  | 688  | 691  | 693  | 696  | 699  | 701  | 703  | 706  | 708  | 708  | 708  |
| 25                 | 623  | 625  | 627  | 629  | 632  | 635  | 638  | 640  | 642  | 644  | 645  | 647  | 648  | 650  | 651  | 652  | 654  | 655  | 657  |
| 30                 | 544  | 548  | 552  | 557  | 562  | 566  | 571  | 575  | 574  | 573  | 572  | 570  | 569  | 567  | 566  | 565  | 565  | 568  | 573  |
| 35                 | 363  | 378  | 394  | 411  | 429  | 446  | 462  | 477  | 473  | 468  | 462  | 454  | 446  | 438  | 430  | 423  | 418  | 425  | 433  |
| 40                 | 215  | 231  | 250  | 269  | 289  | 307  | 324  | 338  | 329  | 316  | 302  | 287  | 271  | 256  | 243  | 231  | 222  | 236  | 253  |
| 45                 | 76.5 | 85.9 | 96.5 | 108  | 120  | 131  | 141  | 151  | 145  | 137  | 129  | 121  | 113  | 105  | 98.3 | 93.4 | 90.6 | 105  | 121  |
| 50                 | 16.4 | 20.6 | 25.3 | 30.4 | 35.6 | 40.7 | 45.4 | 49.4 | 46.3 | 42.6 | 38.5 | 34.3 | 30.2 | 26.5 | 23.4 | 21.2 | 20.0 | 27.3 | 35.5 |
| 55                 | 4.24 | 5.69 | 7.33 | 9.07 | 10.8 | 12.6 | 14.1 | 15.5 | 14.3 | 12.8 | 11.2 | 9.67 | 8.18 | 6.86 | 5.81 | 5.12 | 4.88 | 8.37 | 12.3 |
| 60                 | 2.06 | 2.33 | 2.64 | 2.97 | 3.32 | 3.66 | 3.98 | 4.28 | 4.15 | 3.99 | 3.82 | 3.65 | 3.51 | 3.41 | 3.36 | 3.39 | 3.50 | 4.37 | 5.31 |
| 65                 | 1.44 | 1.54 | 1.65 | 1.78 | 1.90 | 2.03 | 2.16 | 2.29 | 2.37 | 2.44 | 2.51 | 2.57 | 2.62 | 2.66 | 2.69 | 2.70 | 2.71 | 2.69 | 2.66 |
| 70                 | 1.08 | 1.16 | 1.26 | 1.36 | 1.47 | 1.57 | 1.68 | 1.79 | 1.86 | 1.92 | 1.98 | 2.03 | 2.07 | 2.11 | 2.13 | 2.15 | 2.17 | 2.15 | 2.13 |
| 75                 | 0.78 | 0.85 | 0.93 | 1.01 | 1.10 | 1.19 | 1.28 | 1.37 | 1.42 | 1.47 | 1.51 | 1.55 | 1.58 | 1.61 | 1.63 | 1.65 | 1.66 | 1.66 | 1.65 |
| 80                 | 0.56 | 0.61 | 0.68 | 0.74 | 0.81 | 0.88 | 0.95 | 1.02 | 1.06 | 1.09 | 1.11 | 1.14 | 1.15 | 1.17 | 1.18 | 1.19 | 1.20 | 1.21 | 1.21 |
| 85                 | 0.41 | 0.45 | 0.50 | 0.56 | 0.62 | 0.67 | 0.73 | 0.78 | 0.80 | 0.81 | 0.82 | 0.82 | 0.83 | 0.83 | 0.83 | 0.82 | 0.82 | 0.84 | 0.85 |
| 90                 | 0.33 | 0.39 | 0.45 | 0.51 | 0.57 | 0.63 | 0.68 | 0.73 | 0.62 | 0.61 | 0.58 | 0.55 | 0.53 | 0.50 | 0.47 | 0.44 | 0.42 | 1.06 | 1.78 |
| 95                 | 11.6 | 13.4 | 15.3 | 17.1 | 18.7 | 20.2 | 21.4 | 22.2 | 20.0 | 17.5 | 14.9 | 12.1 | 9.29 | 6.64 | 4.22 | 2.15 | 0.54 | 2.11 | 4.16 |
| 100                | 36.8 | 39.2 | 41.6 | 43.9 | 45.9 | 47.6 | 48.8 | 49.5 | 45.6 | 41.2 | 36.5 | 31.6 | 26.6 | 21.9 | 17.4 | 13.5 | 10.3 | 11.4 | 13.2 |
| 105                | 73.8 | 73.7 | 73.3 | 72.6 | 71.5 | 70.0 | 68.1 | 65.8 | 60.4 | 54.8 | 49.1 | 43.3 | 37.7 | 32.5 | 27.8 | 23.7 | 20.5 | 21.8 | 24.0 |
| 110                | 96.4 | 95.6 | 94.4 | 92.7 | 90.6 | 88.1 | 85.2 | 81.8 | 75.4 | 68.8 | 62.1 | 55.5 | 49.2 | 43.3 | 38.2 | 33.9 | 30.6 | 33.1 | 36.7 |
| 115                | 113  | 112  | 111  | 110  | 108  | 105  | 102  | 98.3 | 91.2 | 83.8 | 76.2 | 68.8 | 61.8 | 55.3 | 49.6 | 44.9 | 41.5 | 45.0 | 49.7 |
| 120                | 130  | 129  | 128  | 126  | 123  | 120  | 117  | 113  | 105  | 97.0 | 88.9 | 80.9 | 73.4 | 66.4 | 60.4 | 55.4 | 51.8 | 55.9 | 61.3 |
| 125                | 147  | 146  | 144  | 141  | 138  | 134  | 130  | 126  | 117  | 109  | 100  | 92.2 | 84.4 | 77.2 | 71.0 | 65.9 | 62.2 | 66.1 | 71.5 |
| 130                | 162  | 160  | 157  | 153  | 150  | 145  | 140  | 135  | 127  | 118  | 110  | 102  | 94.3 | 87.3 | 81.2 | 76.3 | 72.7 | 76.3 | 81.2 |
| 135                | 173  | 170  | 167  | 163  | 158  | 153  | 147  | 141  | 133  | 125  | 117  | 110  | 103  | 96.2 | 90.6 | 86.1 | 82.8 | 85.8 | 90.1 |
| 140                | 180  | 177  | 173  | 168  | 162  | 157  | 151  | 144  | 137  | 130  | 123  | 116  | 110  | 104  | 99.1 | 95.2 | 92.5 | 94.9 | 98.5 |
| 145                | 182  | 178  | 174  | 169  | 164  | 158  | 152  | 146  | 140  | 134  | 127  | 122  | 116  | 112  | 107  | 104  | 102  | 104  | 107  |
| 150                | 177  | 174  | 170  | 166  | 161  | 156  | 151  | 146  | 141  | 136  | 131  | 126  | 122  | 118  | 115  | 113  | 111  | 112  | 114  |
| 155                | 169  | 166  | 163  | 160  | 156  | 152  | 148  | 144  | 141  | 137  | 133  | 130  | 127  | 124  | 122  | 120  | 119  | 120  | 121  |
| 160                | 160  | 158  | 156  | 154  | 151  | 148  | 146  | 143  | 140  | 138  | 135  | 133  | 131  | 129  | 128  | 126  | 125  | 126  | 127  |
| 165                | 152  | 151  | 149  | 148  | 146  | 145  | 143  | 141  | 140  | 138  | 137  | 136  | 134  | 133  | 132  | 132  | 131  | 131  | 132  |
| 170                | 145  | 145  | 144  | 143  | 143  | 142  | 141  | 140  | 139  | 139  | 138  | 137  | 137  | 136  | 136  | 136  | 135  | 135  | 135  |
| 175                | 141  | 141  | 141  | 141  | 140  | 140  | 140  | 139  | 139  | 139  | 139  | 139  | 138  | 138  | 138  | 138  | 138  | 138  | 138  |
| 180                | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  |

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

### LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                |  |  |  |  |  |  |  |  |                 |  |  |  |  |  |                  |  |  |
|--------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|-----------------|--|--|--|--|--|------------------|--|--|
| Test:U:119.3V I:0.1320A P:15.60W PF:0.9900 Freq:60.00Hz Lamp Flux:1611.64x1 lm |  |  |  |  |  |  |  |  |                 |  |  |  |  |  |                  |  |  |
| NAME: 1FT                                                                      |  |  |  |  |  |  |  |  | TYPE:3000K 3.7  |  |  |  |  |  | WEIGHT:          |  |  |
| SPEC.:                                                                         |  |  |  |  |  |  |  |  | DIM.:           |  |  |  |  |  | SERIAL No.:      |  |  |
| MFR.: EVERFINE                                                                 |  |  |  |  |  |  |  |  | SUR.:0.29*0.045 |  |  |  |  |  | Shielding Angle: |  |  |

Table--4

UNIT: cd

| C (DEG)<br>γ (DEG) | 285  | 290  | 295  | 300  | 305  | 310  | 315  | 320  | 325  | 330  | 335   | 340  | 345  | 350  | 355  |  |  |  |  |
|--------------------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|--|--|--|--|
| 0                  | 755  | 755  | 755  | 755  | 755  | 755  | 755  | 755  | 755  | 755  | 755   | 755  | 755  | 755  | 755  |  |  |  |  |
| 5                  | 754  | 754  | 754  | 754  | 754  | 754  | 754  | 754  | 754  | 754  | 754   | 754  | 755  | 755  | 755  |  |  |  |  |
| 10                 | 746  | 746  | 746  | 746  | 746  | 746  | 746  | 746  | 746  | 747  | 747   | 747  | 748  | 748  | 749  |  |  |  |  |
| 15                 | 731  | 731  | 731  | 731  | 731  | 731  | 731  | 731  | 732  | 732  | 733   | 734  | 734  | 735  | 736  |  |  |  |  |
| 20                 | 708  | 708  | 707  | 707  | 706  | 706  | 706  | 706  | 707  | 707  | 708   | 709  | 710  | 711  | 712  |  |  |  |  |
| 25                 | 658  | 660  | 661  | 663  | 664  | 666  | 667  | 669  | 670  | 671  | 672   | 673  | 675  | 676  | 677  |  |  |  |  |
| 30                 | 577  | 582  | 588  | 593  | 598  | 603  | 608  | 611  | 614  | 616  | 618   | 620  | 621  | 622  | 622  |  |  |  |  |
| 35                 | 443  | 453  | 464  | 476  | 488  | 499  | 510  | 516  | 522  | 526  | 530   | 533  | 535  | 536  | 537  |  |  |  |  |
| 40                 | 271  | 292  | 313  | 334  | 354  | 373  | 390  | 396  | 398  | 398  | 396   | 391  | 383  | 372  | 359  |  |  |  |  |
| 45                 | 138  | 156  | 175  | 194  | 211  | 227  | 242  | 246  | 248  | 247  | 243   | 237  | 229  | 218  | 205  |  |  |  |  |
| 50                 | 44.6 | 54.1 | 63.8 | 73.3 | 82.5 | 90.9 | 98.4 | 101  | 102  | 101  | 99.9  | 97.1 | 93.0 | 87.6 | 81.0 |  |  |  |  |
| 55                 | 16.4 | 20.7 | 24.9 | 29.0 | 32.7 | 36.0 | 38.7 | 38.8 | 38.1 | 36.6 | 34.4  | 31.4 | 27.7 | 23.3 | 18.1 |  |  |  |  |
| 60                 | 6.29 | 7.27 | 8.22 | 9.10 | 9.88 | 10.5 | 11.0 | 10.8 | 10.5 | 9.90 | 9.13  | 8.15 | 6.98 | 5.61 | 4.03 |  |  |  |  |
| 65                 | 2.61 | 2.56 | 2.51 | 2.45 | 2.38 | 2.31 | 2.25 | 2.19 | 2.14 | 2.09 | 2.04  | 1.99 | 1.93 | 1.88 | 1.83 |  |  |  |  |
| 70                 | 2.11 | 2.07 | 2.03 | 1.99 | 1.94 | 1.89 | 1.84 | 1.80 | 1.75 | 1.71 | 1.66  | 1.62 | 1.57 | 1.52 | 1.47 |  |  |  |  |
| 75                 | 1.64 | 1.62 | 1.60 | 1.58 | 1.55 | 1.52 | 1.48 | 1.45 | 1.42 | 1.38 | 1.34  | 1.30 | 1.26 | 1.21 | 1.17 |  |  |  |  |
| 80                 | 1.21 | 1.21 | 1.21 | 1.20 | 1.19 | 1.18 | 1.16 | 1.14 | 1.12 | 1.09 | 1.06  | 1.02 | 0.98 | 0.94 | 0.89 |  |  |  |  |
| 85                 | 0.86 | 0.88 | 0.89 | 0.90 | 0.90 | 0.91 | 0.90 | 0.89 | 0.87 | 0.85 | 0.83  | 0.80 | 0.76 | 0.72 | 0.68 |  |  |  |  |
| 90                 | 2.56 | 3.39 | 4.26 | 5.14 | 6.03 | 6.92 | 7.77 | 8.39 | 8.97 | 9.50 | 10.00 | 10.5 | 10.9 | 11.3 | 11.6 |  |  |  |  |
| 95                 | 6.62 | 9.41 | 12.4 | 15.6 | 18.9 | 22.1 | 25.2 | 27.1 | 28.7 | 30.2 | 31.6  | 32.7 | 33.6 | 34.4 | 35.0 |  |  |  |  |
| 100                | 15.8 | 18.9 | 22.5 | 26.5 | 30.7 | 35.2 | 39.8 | 43.3 | 46.7 | 50.2 | 53.7  | 57.2 | 60.7 | 64.3 | 67.9 |  |  |  |  |
| 105                | 27.0 | 30.7 | 34.9 | 39.5 | 44.5 | 49.8 | 55.1 | 59.1 | 63.1 | 67.1 | 71.1  | 75.1 | 79.2 | 83.3 | 87.4 |  |  |  |  |
| 110                | 41.2 | 46.4 | 52.3 | 58.5 | 65.1 | 71.7 | 78.3 | 82.7 | 86.8 | 90.7 | 94.4  | 97.9 | 101  | 104  | 107  |  |  |  |  |
| 115                | 55.5 | 62.1 | 69.4 | 77.1 | 85.0 | 92.9 | 101  | 105  | 110  | 114  | 117   | 121  | 124  | 126  | 128  |  |  |  |  |
| 120                | 67.8 | 75.2 | 83.3 | 91.8 | 101  | 109  | 118  | 123  | 128  | 132  | 136   | 139  | 142  | 145  | 147  |  |  |  |  |
| 125                | 78.0 | 85.5 | 93.8 | 103  | 112  | 121  | 130  | 135  | 141  | 145  | 150   | 154  | 158  | 161  | 164  |  |  |  |  |
| 130                | 87.3 | 94.4 | 102  | 111  | 119  | 128  | 137  | 143  | 149  | 155  | 160   | 165  | 170  | 175  | 179  |  |  |  |  |
| 135                | 95.5 | 102  | 109  | 117  | 125  | 133  | 142  | 148  | 154  | 160  | 165   | 171  | 177  | 182  | 188  |  |  |  |  |
| 140                | 103  | 109  | 115  | 121  | 129  | 136  | 144  | 149  | 155  | 161  | 167   | 173  | 179  | 184  | 190  |  |  |  |  |
| 145                | 110  | 115  | 120  | 125  | 131  | 138  | 144  | 149  | 154  | 159  | 164   | 170  | 175  | 181  | 186  |  |  |  |  |
| 150                | 117  | 121  | 124  | 129  | 133  | 138  | 143  | 147  | 151  | 155  | 160   | 164  | 168  | 173  | 177  |  |  |  |  |
| 155                | 123  | 126  | 128  | 131  | 135  | 138  | 142  | 145  | 148  | 151  | 154   | 157  | 161  | 164  | 168  |  |  |  |  |
| 160                | 128  | 130  | 132  | 134  | 136  | 138  | 141  | 143  | 145  | 147  | 149   | 151  | 153  | 156  | 158  |  |  |  |  |
| 165                | 133  | 133  | 134  | 135  | 137  | 138  | 139  | 141  | 142  | 143  | 144   | 145  | 147  | 148  | 150  |  |  |  |  |
| 170                | 136  | 136  | 136  | 137  | 137  | 138  | 139  | 139  | 140  | 140  | 141   | 141  | 142  | 143  | 143  |  |  |  |  |
| 175                | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 139  | 139  | 139   | 139  | 139  | 140  | 140  |  |  |  |  |
| 180                | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138   | 138  | 138  | 138  | 138  |  |  |  |  |

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks: