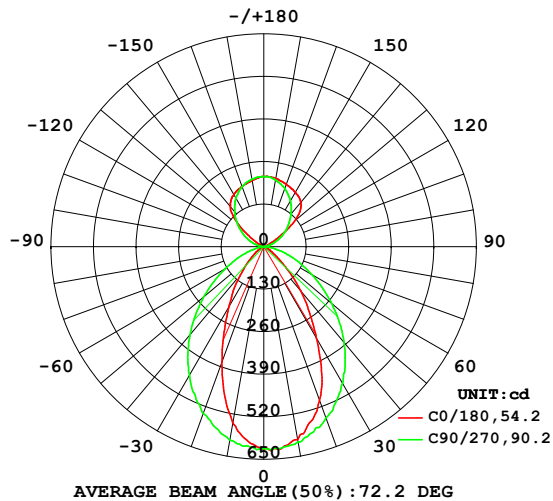


## LUMINAIRE PHOTOMETRIC TEST REPORT

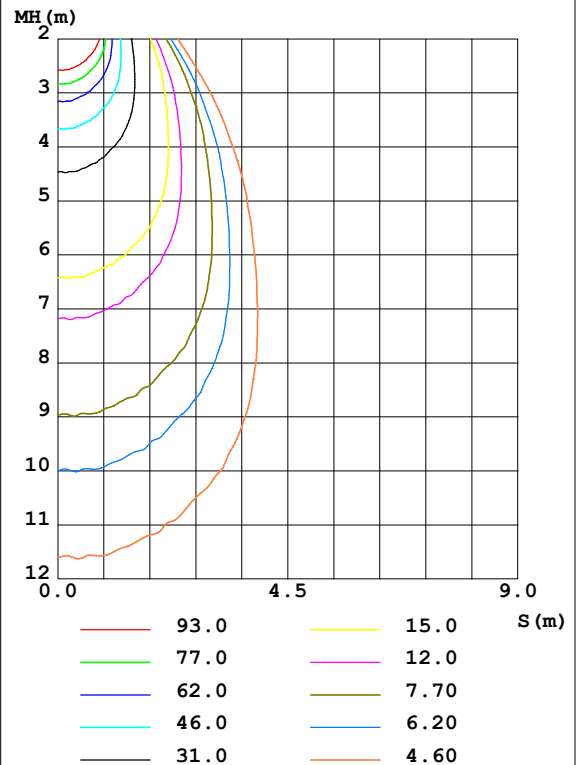
|                                                                                |            |                  |
|--------------------------------------------------------------------------------|------------|------------------|
| Test:U:121.9V I:0.1190A P:14.40W PF:0.9800 Freq:60.00Hz Lamp Flux:1380.16x1 lm |            |                  |
| NAME: 12代 1FT 黑色                                                               | TYPE:3500K | WEIGHT:          |
| SPEC.:                                                                         | DIM.:      | SERIAL No.:      |
| MFR.: EVERFINE                                                                 | SUR.:      | Shielding Angle: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA Eff: 95.84 lm/W |         |                   |           |
|------------------|---------|----------------------------------|---------|-------------------|-----------|
| MODEL            |         | I <sub>max</sub> (cd)            | 623.1   | S/MH(C0/180)      | 0.94      |
| NOMINAL POWER(W) | 15W     | LOR(%)                           | 100.0   | S/MH(C90/270)     | 1.12      |
| RATED VOLTAGE(V) | 120.0   | TOTAL FLUX(lm)                   | 1380.2  | η UP,DN(C0-180)   | 17.3,34.0 |
| NOMINAL FLUX(lm) | 1380.16 | CIE CLASS                        | SEMI-D. | η UP,DN(C180-360) | 18.3,30.4 |
| LAMPS INSIDE     | 1       | η up(%)                          | 35.6    | CIBSE SHR NOM     | 1.00      |
| TEST VOLTAGE(V)  | 120.0   | η down(%)                        | 64.4    | CIBSE SHR MAX     | 1.00      |

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:

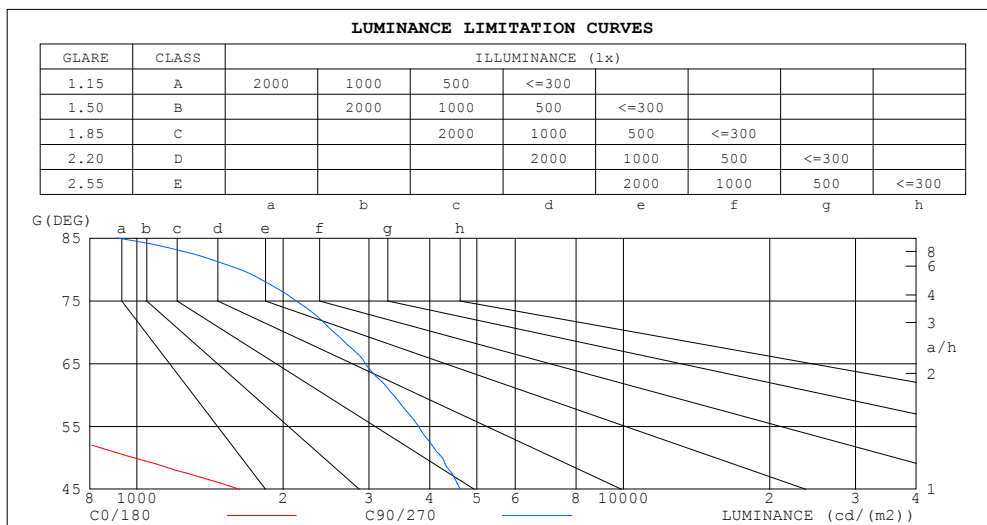
| $\gamma$ | C0                    | C45   | C90    | C135  | C180  | C225  | C270   | C315  | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|-------|--------|-------|-------|-------|--------|-------|----------|-------------|--------------|------------|
| 10       | 597.9                 | 606.9 | 606.1  | 588.7 | 546.3 | 568.2 | 599.6  | 591.3 | 0- 10    | 57.55       | 57.55        | 4.17,4.17  |
| 20       | 499.7                 | 537.4 | 557.1  | 470.1 | 375.6 | 439.0 | 542.8  | 506.8 | 10- 20   | 152.6       | 210.2        | 15.2,15.2  |
| 30       | 322.2                 | 428.8 | 482.0  | 325.5 | 214.2 | 295.0 | 454.1  | 378.0 | 20- 30   | 197.1       | 407.2        | 29.5,29.5  |
| 40       | 175.2                 | 274.9 | 382.5  | 196.0 | 107.6 | 175.6 | 350.7  | 225.9 | 30- 40   | 186.1       | 593.4        | 43,43      |
| 50       | 63.25                 | 159.1 | 272.9  | 110.5 | 43.03 | 97.43 | 240.0  | 123.1 | 40- 50   | 143.2       | 736.6        | 53.4,53.4  |
| 60       | 19.17                 | 67.68 | 168.3  | 47.35 | 15.39 | 40.18 | 136.6  | 44.31 | 50- 60   | 90.54       | 827.1        | 59.9,59.9  |
| 70       | 4.150                 | 17.08 | 86.89  | 14.68 | 3.027 | 11.61 | 60.08  | 10.22 | 60- 70   | 43.66       | 870.8        | 63.1,63.1  |
| 80       | 1.734                 | 2.523 | 28.31  | 2.467 | 1.471 | 2.403 | 9.194  | 2.340 | 70- 80   | 14.88       | 885.7        | 64.2,64.2  |
| 90       | 1.282                 | 1.652 | 0.2157 | 1.698 | 1.036 | 1.993 | 0.0000 | 2.042 | 80- 90   | 3.014       | 888.7        | 64.4,64.4  |
| 100      | 2.051                 | 1.983 | 5.856  | 1.992 | 1.689 | 2.764 | 10.06  | 2.842 | 90-100   | 1.962       | 890.6        | 64.5,64.5  |
| 110      | 8.278                 | 15.37 | 31.34  | 11.97 | 4.848 | 18.23 | 37.49  | 21.97 | 100-110  | 9.921       | 900.6        | 65.3,65.3  |
| 120      | 37.90                 | 67.73 | 62.83  | 58.39 | 23.37 | 70.83 | 69.15  | 78.58 | 110-120  | 36.94       | 937.5        | 67.9,67.9  |
| 130      | 124.6                 | 114.8 | 95.79  | 108.6 | 91.91 | 119.5 | 104.0  | 125.3 | 120-130  | 75.94       | 1013         | 73.4,73.4  |
| 140      | 176.6                 | 146.5 | 129.9  | 143.0 | 159.7 | 152.3 | 138.9  | 157.0 | 130-140  | 101.8       | 1115         | 80.8,80.8  |
| 150      | 192.3                 | 172.1 | 163.1  | 169.0 | 183.8 | 175.3 | 171.1  | 178.8 | 140-150  | 102.3       | 1218         | 88.2,88.2  |
| 160      | 202.7                 | 192.4 | 189.0  | 188.6 | 196.4 | 193.7 | 195.4  | 199.1 | 150-160  | 85.44       | 1303         | 94.4,94.4  |
| 170      | 211.8                 | 209.9 | 207.1  | 205.4 | 206.2 | 207.6 | 209.6  | 210.2 | 160-170  | 56.98       | 1360         | 98.5,98.5  |
| 180      | 214.7                 | 214.7 | 214.7  | 214.7 | 214.7 | 214.7 | 214.7  | 214.7 | 170-180  | 20.18       | 1380         | 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:121.9V I:0.1190A P:14.40W PF:0.9800 Freq:60.00Hz Lamp Flux:1380.16x1 lm |            |                  |
| NAME: 12代 1FT 黑色                                                               | TYPE:3500K | WEIGHT:          |
| SPEC.:                                                                         | DIM.:      | SERIAL No.:      |
| MFR.: EVERFINE                                                                 | SUR.:      | Shielding Angle: |



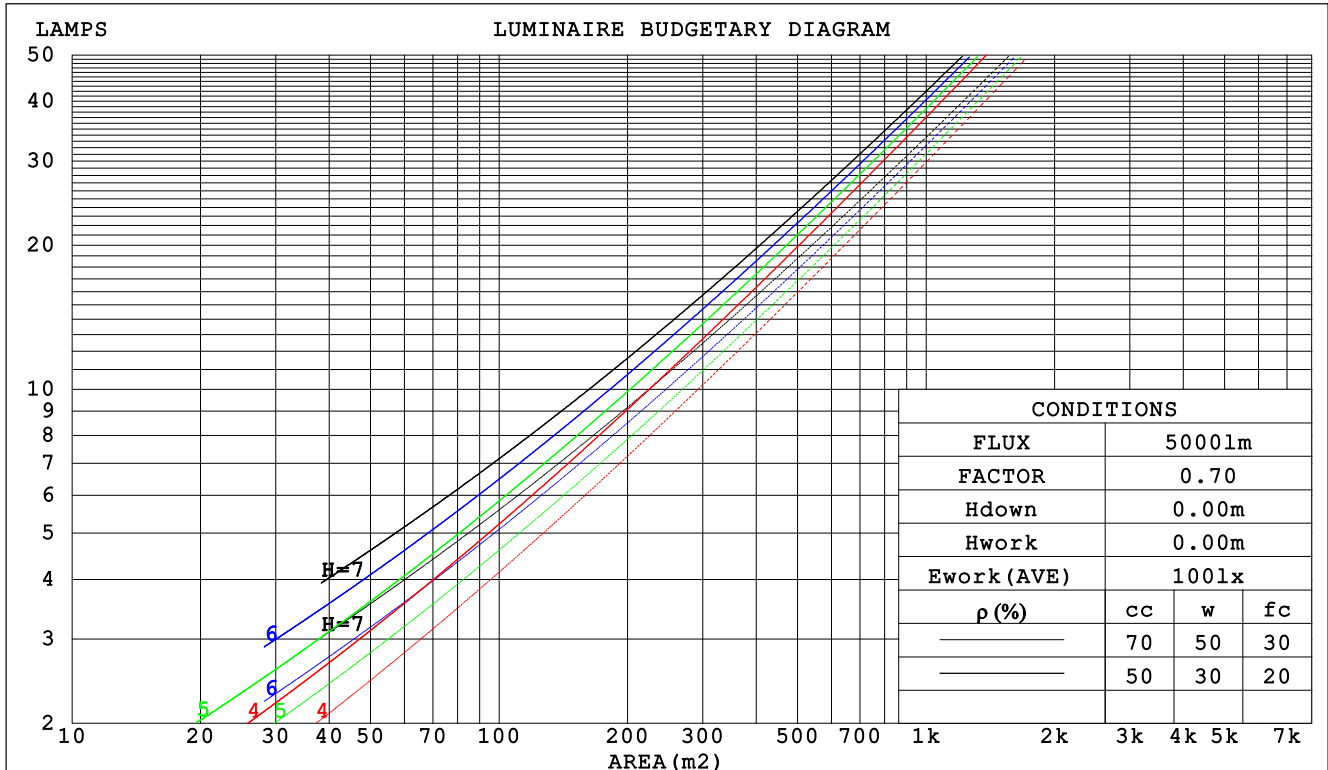
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:

$\gamma$  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:121.9V I:0.1190A P:14.40W PF:0.9800 Freq:60.00Hz Lamp Flux:1380.16x1 lm |            |                  |
| NAME: 12代 1FT 黑色                                                               | TYPE:3500K | WEIGHT:          |
| SPEC.:                                                                         | DIM.:      | SERIAL No.:      |
| MFR.: EVERFINE                                                                 | SUR.:      | Shielding Angle: |

| $\rho_{cc}$ | 80%                   |      |      | 70%                             |      |      | 50% |     |     | 30% |     |     | 10% |     |     | 0   |
|-------------|-----------------------|------|------|---------------------------------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| $\rho_w$    | 50%                   | 30%  | 10%  | 50%                             | 30%  | 10%  | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0   |
| $\rho_{fc}$ | 20%                   |      |      | 20%                             |      |      | 20% |     |     | 20% |     |     | 20% |     |     | 0   |
| RCR         | RCR:Room Cavity Ratio |      |      | Coefficients of Utilization(CU) |      |      |     |     |     |     |     |     |     |     |     |     |
| 0.0         | 1.11                  | 1.11 | 1.11 | 1.04                            | 1.04 | 1.04 | .91 | .91 | .91 | .80 | .80 | .80 | .69 | .69 | .69 | .64 |
| 1.0         | .99                   | .96  | .93  | .93                             | .90  | .88  | .83 | .81 | .79 | .73 | .71 | .70 | .64 | .63 | .62 | .58 |
| 2.0         | .88                   | .83  | .79  | .84                             | .79  | .75  | .75 | .71 | .68 | .66 | .64 | .61 | .58 | .57 | .55 | .51 |
| 3.0         | .79                   | .73  | .68  | .75                             | .69  | .65  | .67 | .63 | .59 | .60 | .57 | .54 | .53 | .51 | .49 | .45 |
| 4.0         | .72                   | .64  | .59  | .68                             | .62  | .57  | .61 | .56 | .52 | .55 | .51 | .48 | .49 | .46 | .44 | .41 |
| 5.0         | .65                   | .57  | .52  | .62                             | .55  | .50  | .56 | .50 | .46 | .50 | .46 | .43 | .45 | .42 | .39 | .37 |
| 6.0         | .59                   | .52  | .46  | .56                             | .50  | .45  | .51 | .46 | .42 | .46 | .42 | .39 | .42 | .38 | .36 | .33 |
| 7.0         | .54                   | .47  | .41  | .52                             | .45  | .40  | .47 | .42 | .38 | .43 | .38 | .35 | .39 | .35 | .32 | .30 |
| 8.0         | .50                   | .42  | .37  | .48                             | .41  | .36  | .43 | .38 | .34 | .40 | .35 | .32 | .36 | .32 | .30 | .28 |
| 9.0         | .46                   | .39  | .34  | .44                             | .38  | .33  | .40 | .35 | .31 | .37 | .32 | .29 | .34 | .30 | .27 | .25 |
| 10.0        | .43                   | .36  | .31  | .41                             | .35  | .30  | .37 | .32 | .29 | .34 | .30 | .27 | .31 | .28 | .25 | .23 |



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:121.9V I:0.1190A P:14.40W PF:0.9800 Freq:60.00Hz Lamp Flux:1380.16x1 lm |  |  |            |  |                  |
| NAME: 12代 1FT 黑色                                                               |  |  | TYPE:3500K |  | WEIGHT:          |
| SPEC.:                                                                         |  |  | DIM.:      |  | SERIAL No.:      |
| MFR.: EVERFINE                                                                 |  |  | SUR.:      |  | Shielding Angle: |

| pcc  | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0 |  |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|--|
| pw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |  |
| pfc  | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0 |  |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |  |
| 0.0  |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |  |
| 1.0  | .240                  | .136 | .043 | .222 | .127 | .040 | .189                            | .109 | .035 | .159 | .092 | .029 | .131 | .076 | .024 |   |  |
| 2.0  | .228                  | .125 | .038 | .212 | .117 | .036 | .182                            | .101 | .031 | .155 | .087 | .027 | .129 | .073 | .023 |   |  |
| 3.0  | .214                  | .114 | .034 | .200 | .107 | .032 | .173                            | .094 | .028 | .148 | .081 | .025 | .124 | .069 | .021 |   |  |
| 4.0  | .201                  | .104 | .031 | .188 | .098 | .029 | .163                            | .086 | .026 | .140 | .075 | .023 | .119 | .064 | .020 |   |  |
| 5.0  | .188                  | .096 | .028 | .177 | .091 | .026 | .154                            | .080 | .024 | .133 | .070 | .021 | .113 | .060 | .018 |   |  |
| 6.0  | .177                  | .089 | .025 | .166 | .084 | .024 | .145                            | .074 | .022 | .126 | .065 | .019 | .107 | .057 | .017 |   |  |
| 7.0  | .167                  | .082 | .023 | .156 | .078 | .022 | .137                            | .069 | .020 | .119 | .061 | .018 | .102 | .053 | .016 |   |  |
| 8.0  | .157                  | .077 | .022 | .148 | .073 | .021 | .130                            | .065 | .019 | .113 | .057 | .017 | .097 | .050 | .015 |   |  |
| 9.0  | .149                  | .072 | .020 | .140 | .068 | .019 | .123                            | .061 | .017 | .107 | .054 | .015 | .093 | .047 | .014 |   |  |
| 10.0 | .141                  | .067 | .019 | .133 | .064 | .018 | .117                            | .057 | .016 | .102 | .051 | .014 | .088 | .044 | .013 |   |  |

| 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  | .462                  | .462 | .462 | .395 | .395 | .395 | .269                                       | .269 | .269 | .155 | .155 | .155 | .049 | .049 | .049 |   |
| 1.0  | .449                  | .430 | .413 | .384 | .369 | .356 | .263                                       | .254 | .246 | .151 | .147 | .143 | .048 | .047 | .046 |   |
| 2.0  | .439                  | .408 | .381 | .376 | .351 | .329 | .258                                       | .243 | .230 | .149 | .141 | .135 | .048 | .046 | .044 |   |
| 3.0  | .431                  | .391 | .359 | .369 | .337 | .311 | .253                                       | .234 | .218 | .146 | .137 | .129 | .047 | .044 | .042 |   |
| 4.0  | .423                  | .378 | .344 | .363 | .327 | .298 | .250                                       | .228 | .210 | .144 | .133 | .124 | .046 | .043 | .041 |   |
| 5.0  | .416                  | .368 | .332 | .357 | .318 | .289 | .246                                       | .222 | .204 | .143 | .131 | .121 | .046 | .043 | .040 |   |
| 6.0  | .410                  | .360 | .324 | .352 | .312 | .282 | .243                                       | .218 | .200 | .141 | .128 | .119 | .045 | .042 | .039 |   |
| 7.0  | .404                  | .353 | .318 | .347 | .306 | .277 | .240                                       | .215 | .196 | .139 | .127 | .117 | .045 | .041 | .039 |   |
| 8.0  | .398                  | .348 | .313 | .343 | .302 | .273 | .237                                       | .212 | .194 | .138 | .125 | .116 | .045 | .041 | .038 |   |
| 9.0  | .393                  | .343 | .310 | .339 | .298 | .270 | .235                                       | .210 | .192 | .137 | .124 | .114 | .044 | .041 | .038 |   |
| 10.0 | .388                  | .339 | .307 | .335 | .295 | .268 | .232                                       | .207 | .190 | .135 | .123 | .114 | .044 | .040 | .038 |   |

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:121.9V I:0.1190A P:14.40W PF:0.9800 Freq:60.00Hz Lamp Flux:1380.16x1 lm |                  |      |      |      |            |                |      |                  |      |      |
| NAME: 12代 1FT 黑色                                                               |                  |      |      |      | TYPE:3500K |                |      | WEIGHT:          |      |      |
| SPEC.:                                                                         |                  |      |      |      | DIM.:      |                |      | SERIAL No.:      |      |      |
| MFR.: EVERFINE                                                                 |                  |      |      |      | SUR.:      |                |      | Shielding Angle: |      |      |
| ceiling/cavity                                                                 | 0.7              | 0.7  | 0.5  | 0.5  | 0.3        | 0.7            | 0.7  | 0.5              | 0.5  | 0.3  |
| walls                                                                          | 0.5              | 0.3  | 0.5  | 0.3  | 0.3        | 0.5            | 0.3  | 0.5              | 0.3  | 0.3  |
| working plane                                                                  | 0.2              | 0.2  | 0.2  | 0.2  | 0.2        | 0.2            | 0.2  | 0.2              | 0.2  | 0.2  |
| Room dimensions                                                                | Viewed crosswise |      |      |      |            | Viewed endwise |      |                  |      |      |
| x = 2H y = 2H                                                                  | 9.8              | 10.7 | 10.5 | 11.4 | 12.2       | 15.4           | 16.3 | 16.1             | 17.0 | 17.8 |
| 3H                                                                             | 9.5              | 10.4 | 10.3 | 11.1 | 11.9       | 16.3           | 17.1 | 17.0             | 17.8 | 18.7 |
| 4H                                                                             | 9.4              | 10.2 | 10.1 | 10.9 | 11.8       | 16.6           | 17.4 | 17.3             | 18.1 | 19.0 |
| 6H                                                                             | 9.2              | 9.9  | 10.0 | 10.7 | 11.6       | 16.7           | 17.5 | 17.5             | 18.2 | 19.1 |
| 8H                                                                             | 9.1              | 9.8  | 9.9  | 10.6 | 11.5       | 16.8           | 17.5 | 17.5             | 18.2 | 19.1 |
| 12H                                                                            | 9.1              | 9.7  | 9.9  | 10.5 | 11.5       | 16.7           | 17.4 | 17.5             | 18.2 | 19.1 |
| 4H 2H                                                                          | 10.2             | 11.0 | 10.9 | 11.7 | 12.6       | 15.1           | 15.9 | 15.9             | 16.6 | 17.5 |
| 3H                                                                             | 9.9              | 10.6 | 10.7 | 11.4 | 12.3       | 16.1           | 16.8 | 16.9             | 17.5 | 18.5 |
| 4H                                                                             | 9.8              | 10.3 | 10.6 | 11.1 | 12.1       | 16.5           | 17.1 | 17.3             | 17.9 | 18.8 |
| 6H                                                                             | 9.6              | 10.1 | 10.4 | 10.9 | 11.9       | 16.7           | 17.2 | 17.5             | 18.0 | 19.1 |
| 8H                                                                             | 9.5              | 10.0 | 10.4 | 10.8 | 11.9       | 16.7           | 17.2 | 17.6             | 18.1 | 19.1 |
| 12H                                                                            | 9.4              | 9.9  | 10.3 | 10.7 | 11.8       | 16.7           | 17.2 | 17.6             | 18.0 | 19.1 |
| 8H 4H                                                                          | 9.7              | 10.2 | 10.6 | 11.1 | 12.1       | 16.2           | 16.7 | 17.1             | 17.5 | 18.6 |
| 6H                                                                             | 9.6              | 10.0 | 10.5 | 10.8 | 11.9       | 16.5           | 16.9 | 17.4             | 17.8 | 18.8 |
| 8H                                                                             | 9.5              | 9.8  | 10.4 | 10.7 | 11.8       | 16.6           | 16.9 | 17.5             | 17.8 | 18.9 |
| 12H                                                                            | 9.4              | 9.7  | 10.3 | 10.6 | 11.7       | 16.6           | 16.9 | 17.5             | 17.8 | 18.9 |
| 12H 4H                                                                         | 9.7              | 10.1 | 10.6 | 11.0 | 12.0       | 16.1           | 16.6 | 17.0             | 17.4 | 18.5 |
| 6H                                                                             | 9.5              | 9.9  | 10.4 | 10.8 | 11.9       | 16.4           | 16.8 | 17.3             | 17.6 | 18.7 |
| 8H                                                                             | 9.5              | 9.8  | 10.4 | 10.7 | 11.8       | 16.5           | 16.8 | 17.4             | 17.7 | 18.8 |
| Variations with the observer position at spacings:                             |                  |      |      |      |            |                |      |                  |      |      |
| S = 1.0H                                                                       | + 1.8 / - 3.5    |      |      |      |            | + 0.3 / - 0.4  |      |                  |      |      |
| 1.5H                                                                           | + 1.1 / - 3.0    |      |      |      |            | + 0.5 / - 0.9  |      |                  |      |      |
| 2.0H                                                                           | + 2.4 / - 4.9    |      |      |      |            | + 1.3 / - 1.8  |      |                  |      |      |

CIE Pub.117 Corrected 1380 lm Total Lamp Luminous Flux. (8log(F/F0) = 1.1)

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:121.9V I:0.1190A P:14.40W PF:0.9800 Freq:60.00Hz Lamp Flux:1380.16x1 lm |            |                  |
| NAME: 12代 1FT 黑色                                                               | TYPE:3500K | WEIGHT:          |
| SPEC.:                                                                         | DIM.:      | SERIAL No.:      |
| MFR.: EVERFINE                                                                 | SUR.:      | Shielding Angle: |

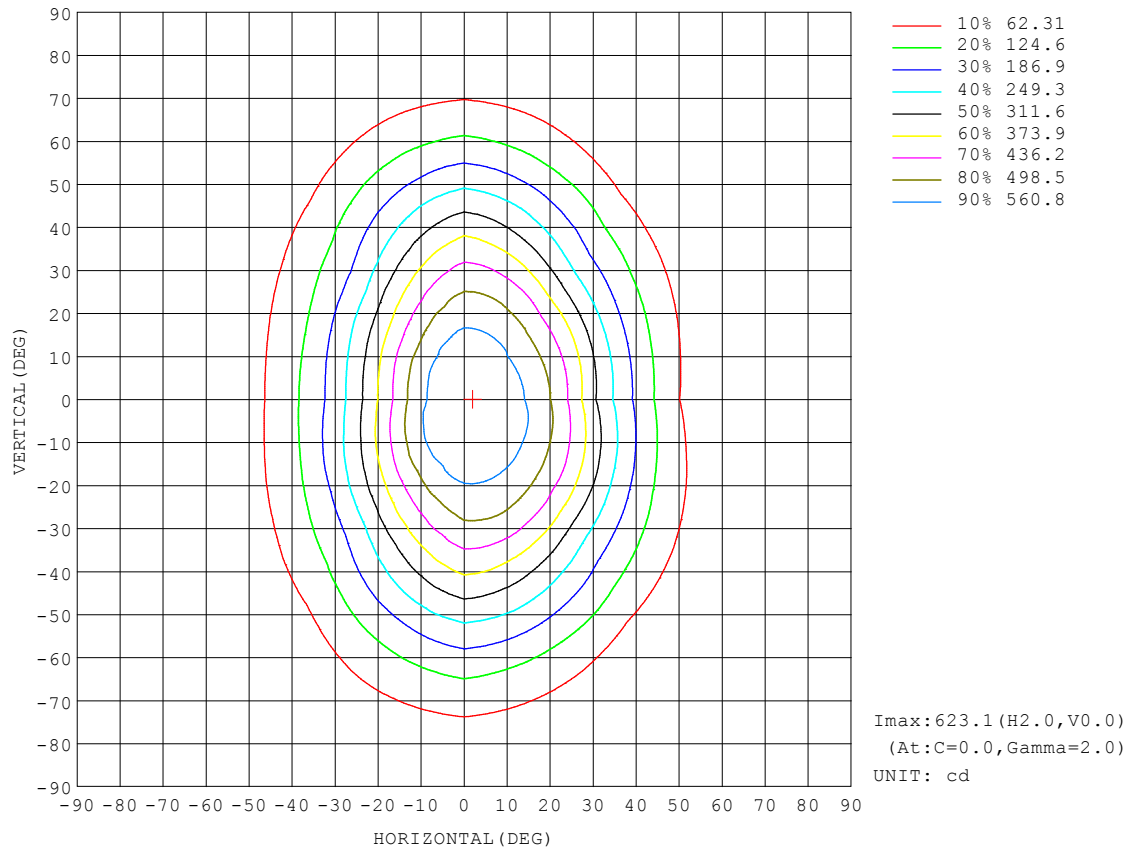
| REFLECTANCE                      |                                                      |     |           |     |     |     |     |               |     |        |
|----------------------------------|------------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8                                                  | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 0.5 | 0.5           | 0.5 | 0      |
| Walls                            | 0.7                                                  | 0.5 | 0.3       | 0.7 | 0.5 | 0.3 | 0.7 | 0.5           | 0.3 | 0      |
| Working plane                    | 0.2                                                  | 0.2 | 0.2       | 0.2 | 0.2 | 0.2 | 0.2 | 0.2           | 0.2 | 0      |
| ROOM INDEX                       | UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 56                                                   | 47  | 41        | 54  | 46  | 40  | 51  | 43            | 39  | 32     |
| 0.80                             | 66                                                   | 56  | 50        | 63  | 54  | 49  | 58  | 51            | 47  | 38     |
| 1.00                             | 73                                                   | 64  | 57        | 70  | 61  | 56  | 64  | 59            | 53  | 43     |
| 1.25                             | 79                                                   | 70  | 64        | 76  | 68  | 62  | 69  | 63            | 59  | 47     |
| 1.50                             | 84                                                   | 75  | 69        | 80  | 72  | 67  | 72  | 67            | 63  | 50     |
| 2.00                             | 90                                                   | 82  | 77        | 85  | 79  | 74  | 77  | 72            | 68  | 53     |
| 2.50                             | 93                                                   | 86  | 81        | 88  | 82  | 78  | 79  | 75            | 71  | 55     |
| 3.00                             | 96                                                   | 90  | 85        | 91  | 85  | 81  | 81  | 77            | 74  | 57     |
| 4.00                             | 99                                                   | 94  | 90        | 94  | 90  | 86  | 84  | 80            | 78  | 59     |
| 5.00                             | 101                                                  | 97  | 94        | 96  | 92  | 89  | 85  | 82            | 80  | 60     |
| 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:121.9V I:0.1190A P:14.40W PF:0.9800 Freq:60.00Hz Lamp Flux:1380.16x1 lm |            |                  |
| NAME: 12代 1FT 黑色                                                               | TYPE:3500K | WEIGHT:          |
| SPEC.:                                                                         | DIM.:      | SERIAL No.:      |
| MFR.: EVERFINE                                                                 | SUR.:      | Shielding Angle: |

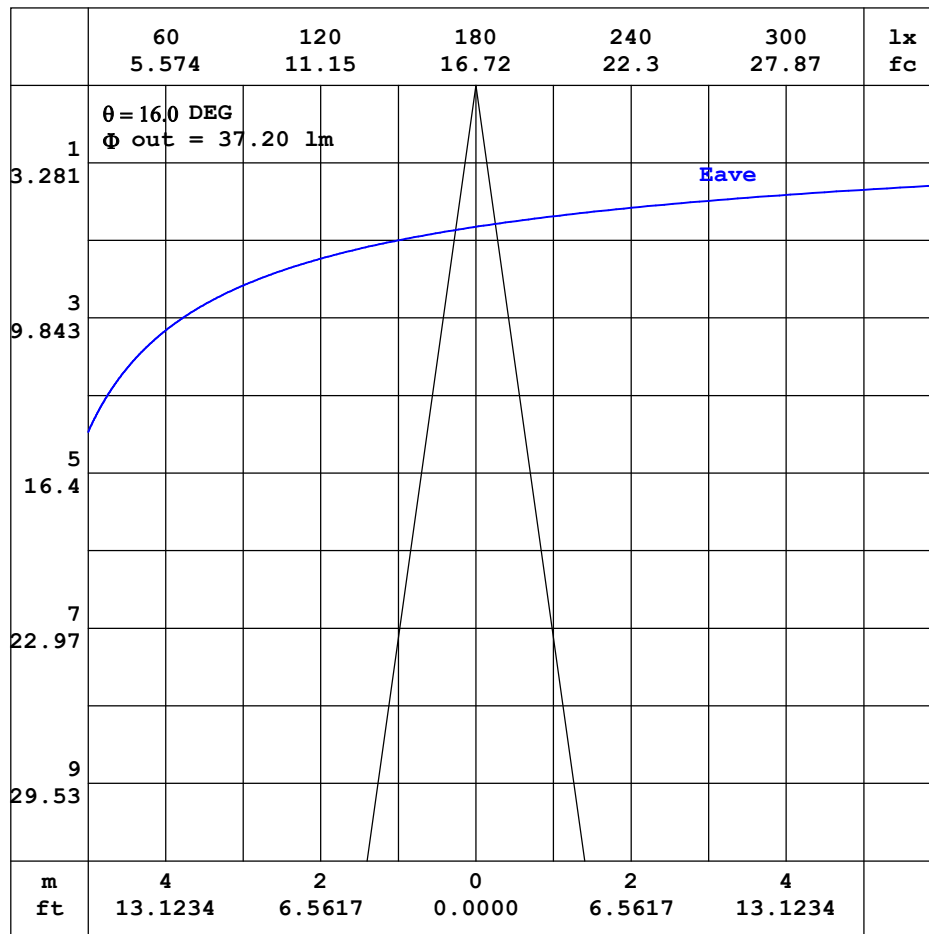


C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:

$\gamma$  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:

### AAI CURVES

|                                                                                |            |                  |
|--------------------------------------------------------------------------------|------------|------------------|
| Test:U:121.9V I:0.1190A P:14.40W PF:0.9800 Freq:60.00Hz Lamp Flux:1380.16x1 lm |            |                  |
| NAME: 12代 1FT 黑色                                                               | TYPE:3500K | WEIGHT:          |
| SPEC.:                                                                         | DIM.:      | SERIAL No.:      |
| MFR.: EVERFINE                                                                 | SUR.:      | Shielding Angle: |



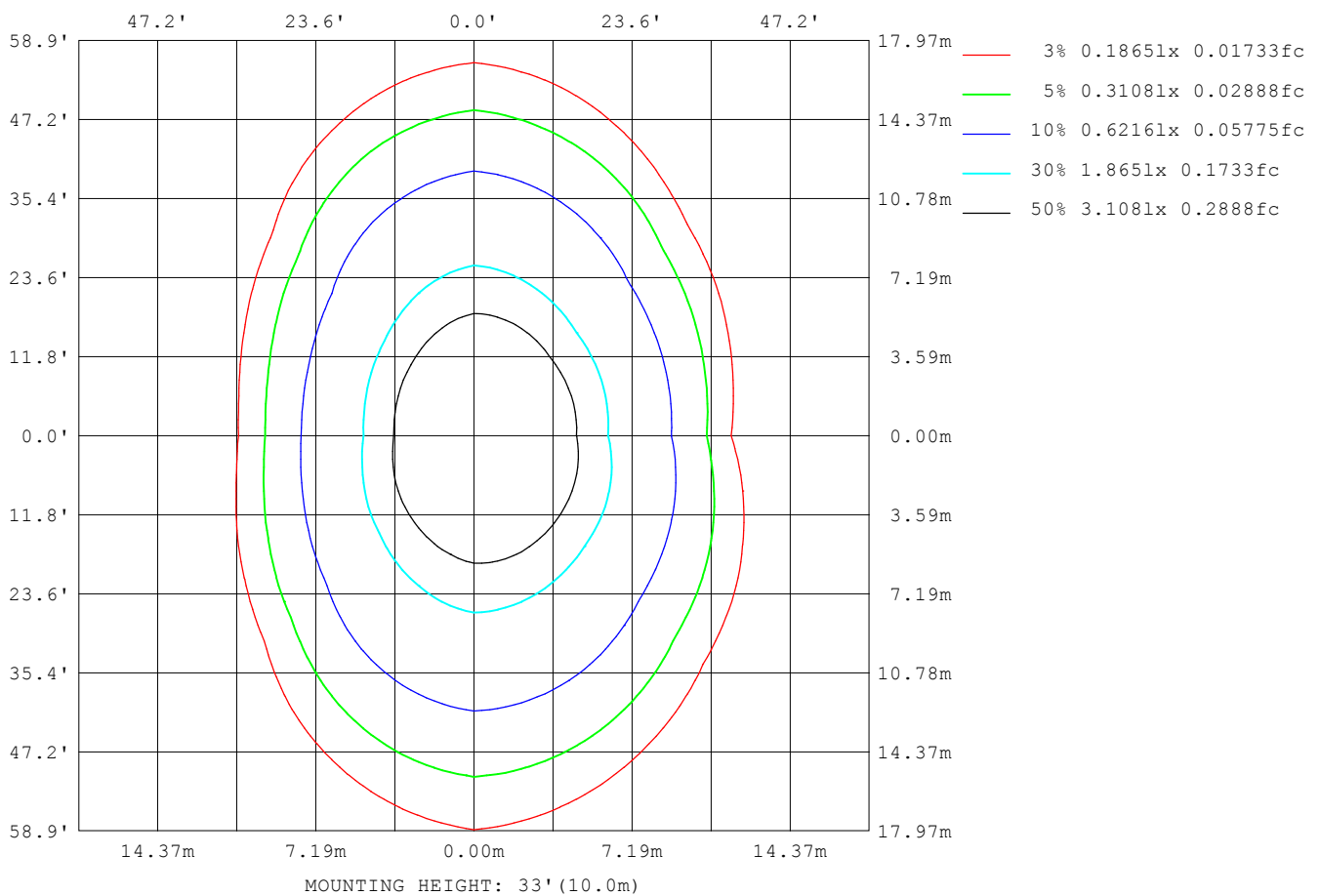
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 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:121.9V I:0.1190A P:14.40W PF:0.9800 Freq:60.00Hz Lamp Flux:1380.16x1 lm |            |                  |
| NAME: 12代 1FT 黑色                                                               | TYPE:3500K | WEIGHT:          |
| SPEC.:                                                                         | DIM.:      | SERIAL No.:      |
| MFR.: EVERFINE                                                                 | SUR.:      | Shielding Angle: |



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:

## LED Avg.L Report

|                                                                                |            |                  |
|--------------------------------------------------------------------------------|------------|------------------|
| Test:U:121.9V I:0.1190A P:14.40W PF:0.9800 Freq:60.00Hz Lamp Flux:1380.16x1 lm |            |                  |
| NAME: 12代 1FT 黑色                                                               | TYPE:3500K | WEIGHT:          |
| SPEC.:                                                                         | DIM.:      | SERIAL No.:      |
| MFR.: EVERFINE                                                                 | SUR.:      | Shielding Angle: |

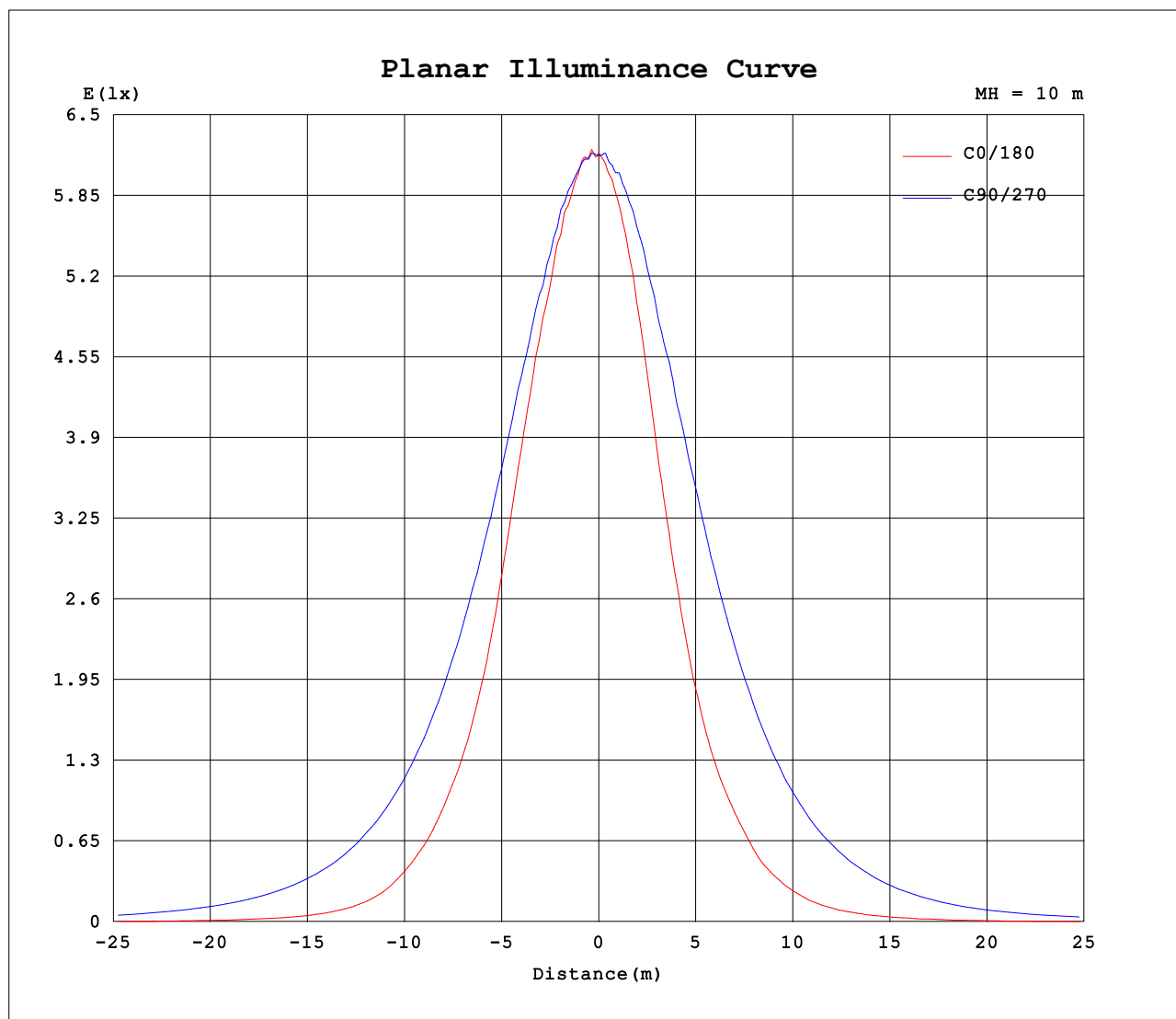
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 205   |
| L_0~180 (75) av  | 89    |
| L_0~180 (85) av  | 150   |
| L_90~270 (65) av | 2600  |
| L_90~270 (75) av | 1653  |
| L_90~270 (85) av | 455   |
| L_45 (65) av     | 647   |
| L_45 (75) av     | 148   |
| L_45 (85) av     | 221   |

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:121.9V I:0.1190A P:14.40W PF:0.9800 Freq:60.00Hz Lamp Flux:1380.16x1 lm |            |                  |
| NAME: 12代 1FT 黑色                                                               | TYPE:3500K | WEIGHT:          |
| SPEC.:                                                                         | DIM.:      | SERIAL No.:      |
| MFR.: EVERFINE                                                                 | SUR.:      | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG)<br>γ (DEG) | 0    | 5    | 10   | 15   | 20   | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   | 85   | 90   |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0                  | 619  | 619  | 619  | 618  | 618  | 618  | 617  | 617  | 617  | 617  | 617  | 617  | 617  | 617  | 617  | 617  | 617  | 617  | 617  |
| 5                  | 620  | 620  | 620  | 621  | 621  | 621  | 621  | 622  | 622  | 621  | 621  | 621  | 621  | 621  | 620  | 620  | 619  | 619  | 618  |
| 10                 | 598  | 599  | 601  | 602  | 603  | 604  | 605  | 606  | 606  | 607  | 607  | 608  | 608  | 608  | 608  | 608  | 607  | 607  | 606  |
| 15                 | 554  | 557  | 561  | 564  | 567  | 570  | 573  | 575  | 577  | 579  | 582  | 584  | 586  | 587  | 588  | 589  | 589  | 588  | 587  |
| 20                 | 500  | 505  | 510  | 514  | 519  | 523  | 527  | 531  | 534  | 537  | 542  | 546  | 550  | 554  | 556  | 558  | 559  | 559  | 557  |
| 25                 | 418  | 428  | 438  | 447  | 455  | 463  | 471  | 478  | 485  | 491  | 498  | 506  | 512  | 517  | 521  | 524  | 525  | 525  | 523  |
| 30                 | 322  | 337  | 351  | 364  | 376  | 388  | 399  | 410  | 420  | 429  | 440  | 451  | 460  | 468  | 475  | 480  | 483  | 484  | 482  |
| 35                 | 243  | 257  | 270  | 283  | 295  | 307  | 319  | 330  | 341  | 352  | 367  | 381  | 394  | 406  | 416  | 424  | 430  | 434  | 434  |
| 40                 | 175  | 186  | 197  | 208  | 219  | 230  | 241  | 252  | 263  | 275  | 292  | 309  | 325  | 340  | 353  | 364  | 373  | 380  | 383  |
| 45                 | 115  | 124  | 134  | 144  | 155  | 166  | 176  | 188  | 199  | 211  | 228  | 246  | 263  | 279  | 293  | 305  | 316  | 323  | 327  |
| 50                 | 63.2 | 73.0 | 83.0 | 93.2 | 104  | 114  | 125  | 136  | 148  | 159  | 176  | 193  | 210  | 225  | 239  | 251  | 261  | 269  | 273  |
| 55                 | 35.0 | 42.2 | 49.7 | 57.6 | 65.8 | 74.4 | 83.3 | 92.6 | 102  | 112  | 128  | 143  | 158  | 172  | 185  | 196  | 206  | 213  | 218  |
| 60                 | 19.2 | 22.0 | 25.4 | 29.5 | 34.3 | 39.7 | 45.7 | 52.4 | 59.7 | 67.7 | 81.3 | 95.2 | 109  | 122  | 135  | 146  | 155  | 163  | 168  |
| 65                 | 9.83 | 9.68 | 10.3 | 11.7 | 13.8 | 16.8 | 20.5 | 24.9 | 30.1 | 36.1 | 47.4 | 59.1 | 70.9 | 82.5 | 93.4 | 103  | 112  | 119  | 125  |
| 70                 | 4.15 | 2.78 | 2.11 | 2.14 | 2.88 | 4.31 | 6.45 | 9.29 | 12.8 | 17.1 | 25.7 | 34.7 | 43.9 | 52.9 | 61.6 | 69.6 | 76.6 | 82.5 | 86.9 |
| 75                 | 2.48 | 0.35 | 0.20 | 0.19 | 0.18 | 0.18 | 0.17 | 0.16 | 2.07 | 4.69 | 10.6 | 17.0 | 23.5 | 30.0 | 36.2 | 42.1 | 47.3 | 51.7 | 55.0 |
| 80                 | 1.73 | 0.59 | 0.28 | 0.27 | 0.26 | 0.25 | 0.23 | 0.22 | 1.20 | 2.52 | 5.55 | 8.79 | 12.1 | 15.5 | 18.7 | 21.7 | 24.3 | 26.6 | 28.3 |
| 85                 | 1.44 | 1.20 | 1.03 | 0.94 | 0.91 | 0.95 | 1.07 | 1.25 | 1.51 | 1.84 | 2.56 | 3.33 | 4.12 | 4.91 | 5.67 | 6.37 | 7.00 | 7.53 | 7.94 |
| 90                 | 1.28 | 1.41 | 1.52 | 1.61 | 1.67 | 1.71 | 1.73 | 1.73 | 1.70 | 1.65 | 1.49 | 1.32 | 1.14 | 0.96 | 0.77 | 0.60 | 0.45 | 0.32 | 0.22 |
| 95                 | 1.56 | 1.66 | 1.74 | 1.79 | 1.83 | 1.84 | 1.83 | 1.80 | 1.75 | 1.68 | 1.49 | 1.29 | 1.07 | 0.86 | 0.66 | 0.46 | 0.29 | 0.15 | 0.04 |
| 100                | 2.05 | 1.85 | 1.70 | 1.59 | 1.53 | 1.53 | 1.57 | 1.66 | 1.80 | 1.98 | 2.43 | 2.91 | 3.41 | 3.91 | 4.40 | 4.85 | 5.25 | 5.59 | 5.86 |
| 105                | 3.28 | 2.89 | 2.64 | 2.53 | 2.55 | 2.72 | 3.02 | 3.47 | 4.05 | 4.77 | 6.32 | 7.96 | 9.63 | 11.3 | 12.9 | 14.3 | 15.6 | 16.7 | 17.5 |
| 110                | 8.28 | 8.63 | 9.09 | 9.66 | 10.3 | 11.1 | 12.0 | 13.0 | 14.1 | 15.4 | 17.5 | 19.7 | 21.9 | 24.0 | 26.0 | 27.8 | 29.3 | 30.5 | 31.3 |
| 115                | 17.5 | 20.4 | 23.2 | 25.8 | 28.3 | 30.6 | 32.7 | 34.8 | 36.6 | 38.3 | 40.2 | 41.8 | 43.2 | 44.5 | 45.5 | 46.3 | 46.8 | 47.1 | 47.0 |
| 120                | 37.9 | 42.9 | 47.5 | 51.7 | 55.4 | 58.8 | 61.6 | 64.1 | 66.1 | 67.7 | 68.3 | 68.4 | 68.2 | 67.7 | 67.0 | 66.1 | 65.1 | 64.0 | 62.8 |
| 125                | 77.1 | 80.4 | 83.3 | 85.9 | 88.1 | 89.9 | 91.3 | 92.4 | 93.1 | 93.4 | 92.5 | 91.2 | 89.7 | 88.1 | 86.3 | 84.5 | 82.8 | 81.1 | 79.7 |
| 130                | 125  | 124  | 123  | 122  | 121  | 120  | 119  | 118  | 116  | 115  | 112  | 110  | 107  | 105  | 103  | 101  | 98.7 | 97.1 | 95.8 |
| 135                | 158  | 155  | 152  | 150  | 147  | 144  | 141  | 139  | 136  | 133  | 130  | 127  | 124  | 122  | 119  | 117  | 115  | 114  | 113  |
| 140                | 177  | 173  | 169  | 165  | 162  | 158  | 155  | 152  | 149  | 146  | 144  | 141  | 139  | 136  | 135  | 133  | 132  | 131  | 130  |
| 145                | 187  | 183  | 180  | 177  | 174  | 171  | 168  | 165  | 163  | 160  | 158  | 156  | 154  | 152  | 151  | 150  | 149  | 148  | 147  |
| 150                | 192  | 189  | 187  | 184  | 182  | 180  | 178  | 176  | 174  | 172  | 170  | 169  | 168  | 166  | 165  | 165  | 164  | 163  | 163  |
| 155                | 198  | 196  | 194  | 192  | 190  | 189  | 187  | 186  | 184  | 183  | 182  | 181  | 180  | 179  | 178  | 178  | 177  | 177  | 177  |
| 160                | 203  | 201  | 200  | 198  | 197  | 196  | 195  | 194  | 193  | 192  | 192  | 191  | 191  | 190  | 190  | 190  | 189  | 189  | 189  |
| 165                | 207  | 207  | 206  | 205  | 205  | 204  | 203  | 203  | 202  | 202  | 201  | 201  | 200  | 200  | 200  | 200  | 199  | 199  | 199  |
| 170                | 212  | 212  | 211  | 211  | 211  | 211  | 211  | 210  | 210  | 210  | 210  | 209  | 209  | 209  | 208  | 208  | 208  | 207  | 207  |
| 175                | 214  | 214  | 214  | 214  | 214  | 214  | 214  | 214  | 214  | 214  | 214  | 213  | 213  | 213  | 213  | 213  | 213  | 213  | 213  |
| 180                | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  |

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:121.9V I:0.1190A P:14.40W PF:0.9800 Freq:60.00Hz Lamp Flux:1380.16x1 lm |            |                  |
| NAME: 12代 1FT 黑色                                                               | TYPE:3500K | WEIGHT:          |
| SPEC.:                                                                         | DIM.:      | SERIAL No.:      |
| MFR.: EVERFINE                                                                 | SUR.:      | 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                  | 617  | 617  | 617  | 618  | 618  | 618  | 618  | 618  | 618  | 618  | 619  | 619  | 619  | 619  | 619  | 619  | 619  | 619  | 619  |
| 5                  | 617  | 616  | 615  | 614  | 613  | 612  | 611  | 609  | 608  | 606  | 604  | 603  | 601  | 599  | 598  | 596  | 595  | 594  | 594  |
| 10                 | 605  | 604  | 603  | 601  | 599  | 597  | 594  | 592  | 589  | 584  | 578  | 573  | 568  | 563  | 558  | 553  | 549  | 546  | 547  |
| 15                 | 584  | 580  | 576  | 571  | 565  | 560  | 553  | 547  | 540  | 530  | 521  | 511  | 502  | 493  | 485  | 478  | 472  | 467  | 468  |
| 20                 | 551  | 543  | 535  | 526  | 516  | 505  | 494  | 482  | 470  | 457  | 444  | 431  | 419  | 408  | 398  | 389  | 381  | 376  | 377  |
| 25                 | 514  | 503  | 490  | 476  | 461  | 446  | 430  | 413  | 397  | 381  | 365  | 350  | 336  | 323  | 311  | 301  | 293  | 287  | 289  |
| 30                 | 470  | 456  | 441  | 423  | 405  | 385  | 365  | 345  | 325  | 308  | 292  | 276  | 262  | 249  | 237  | 228  | 220  | 214  | 216  |
| 35                 | 421  | 405  | 387  | 367  | 345  | 323  | 300  | 278  | 256  | 240  | 225  | 211  | 198  | 188  | 178  | 171  | 165  | 161  | 161  |
| 40                 | 369  | 353  | 334  | 313  | 290  | 267  | 243  | 219  | 196  | 180  | 166  | 153  | 141  | 131  | 123  | 116  | 111  | 108  | 108  |
| 45                 | 315  | 299  | 281  | 262  | 240  | 218  | 195  | 172  | 150  | 136  | 123  | 111  | 100  | 91.3 | 83.8 | 77.8 | 73.5 | 70.9 | 71.7 |
| 50                 | 262  | 248  | 231  | 213  | 193  | 172  | 151  | 131  | 111  | 97.8 | 86.4 | 76.1 | 67.2 | 59.6 | 53.3 | 48.4 | 45.0 | 43.0 | 43.7 |
| 55                 | 208  | 196  | 181  | 165  | 148  | 130  | 112  | 93.5 | 76.1 | 66.1 | 57.2 | 49.4 | 42.7 | 37.2 | 32.8 | 29.5 | 27.3 | 26.3 | 26.5 |
| 60                 | 160  | 150  | 137  | 123  | 109  | 93.1 | 77.5 | 62.1 | 47.4 | 40.0 | 33.7 | 28.4 | 24.1 | 20.7 | 18.1 | 16.5 | 15.5 | 15.4 | 15.1 |
| 65                 | 118  | 110  | 99.9 | 88.8 | 76.9 | 64.4 | 51.9 | 39.5 | 27.8 | 22.5 | 18.1 | 14.5 | 11.7 | 9.67 | 8.27 | 7.48 | 7.24 | 7.50 | 7.06 |
| 70                 | 82.2 | 76.0 | 68.6 | 60.3 | 51.3 | 42.0 | 32.6 | 23.4 | 14.7 | 11.1 | 8.28 | 6.06 | 4.42 | 3.31 | 2.67 | 2.45 | 2.58 | 3.03 | 2.62 |
| 75                 | 51.6 | 47.2 | 42.0 | 36.1 | 29.8 | 23.3 | 16.7 | 10.4 | 4.42 | 2.60 | 1.32 | 0.51 | 0.17 | 0.17 | 0.31 | 0.78 | 1.41 | 2.15 | 1.70 |
| 80                 | 26.6 | 24.3 | 21.7 | 18.7 | 15.4 | 12.1 | 8.76 | 5.51 | 2.47 | 1.55 | 0.91 | 0.51 | 0.32 | 0.31 | 0.46 | 0.72 | 1.07 | 1.47 | 1.41 |
| 85                 | 7.54 | 7.01 | 6.39 | 5.68 | 4.92 | 4.14 | 3.34 | 2.57 | 1.84 | 1.57 | 1.36 | 1.21 | 1.11 | 1.06 | 1.05 | 1.07 | 1.11 | 1.19 | 1.28 |
| 90                 | 0.33 | 0.47 | 0.64 | 0.81 | 1.00 | 1.19 | 1.38 | 1.55 | 1.70 | 1.66 | 1.60 | 1.53 | 1.44 | 1.35 | 1.26 | 1.18 | 1.10 | 1.04 | 1.15 |
| 95                 | 0.16 | 0.32 | 0.51 | 0.71 | 0.92 | 1.14 | 1.35 | 1.54 | 1.72 | 1.68 | 1.62 | 1.54 | 1.44 | 1.35 | 1.25 | 1.16 | 1.08 | 1.02 | 1.14 |
| 100                | 5.60 | 5.27 | 4.87 | 4.42 | 3.94 | 3.44 | 2.94 | 2.45 | 1.99 | 1.82 | 1.69 | 1.60 | 1.55 | 1.52 | 1.53 | 1.56 | 1.61 | 1.69 | 1.65 |
| 105                | 16.6 | 15.4 | 14.0 | 12.4 | 10.7 | 8.98 | 7.22 | 5.51 | 3.89 | 3.25 | 2.76 | 2.39 | 2.15 | 2.02 | 2.00 | 2.07 | 2.23 | 2.47 | 2.53 |
| 110                | 30.1 | 28.4 | 26.5 | 24.3 | 21.9 | 19.4 | 16.9 | 14.4 | 12.0 | 10.4 | 9.04 | 7.83 | 6.80 | 5.97 | 5.35 | 4.95 | 4.78 | 4.85 | 5.59 |
| 115                | 46.0 | 44.7 | 43.1 | 41.4 | 39.4 | 37.3 | 35.1 | 32.7 | 30.3 | 27.4 | 24.5 | 21.7 | 19.1 | 16.7 | 14.6 | 13.0 | 11.8 | 11.2 | 13.3 |
| 120                | 62.9 | 62.9 | 62.8 | 62.6 | 62.3 | 61.7 | 60.9 | 59.8 | 58.4 | 53.9 | 49.3 | 44.5 | 39.9 | 35.5 | 31.5 | 28.0 | 25.3 | 23.4 | 27.0 |
| 125                | 80.5 | 81.4 | 82.4 | 83.4 | 84.3 | 85.0 | 85.5 | 85.6 | 85.3 | 81.0 | 76.5 | 71.7 | 66.9 | 62.4 | 58.1 | 54.4 | 51.4 | 49.3 | 53.1 |
| 130                | 96.8 | 98.0 | 99.5 | 101  | 103  | 105  | 106  | 107  | 109  | 107  | 105  | 103  | 100  | 98.2 | 96.2 | 94.4 | 92.9 | 91.9 | 94.4 |
| 135                | 113  | 115  | 116  | 118  | 120  | 122  | 124  | 126  | 128  | 129  | 130  | 130  | 131  | 131  | 132  | 132  | 132  | 133  | 133  |
| 140                | 130  | 131  | 132  | 134  | 135  | 137  | 139  | 141  | 143  | 145  | 147  | 150  | 152  | 154  | 155  | 157  | 159  | 160  | 160  |
| 145                | 148  | 148  | 149  | 150  | 151  | 152  | 154  | 155  | 157  | 159  | 161  | 164  | 166  | 168  | 170  | 172  | 173  | 174  | 174  |
| 150                | 163  | 163  | 164  | 164  | 165  | 166  | 167  | 168  | 169  | 171  | 173  | 175  | 176  | 178  | 180  | 181  | 183  | 184  | 184  |
| 155                | 176  | 176  | 176  | 177  | 177  | 178  | 179  | 179  | 181  | 182  | 183  | 185  | 186  | 187  | 189  | 190  | 191  | 191  | 190  |
| 160                | 189  | 188  | 188  | 188  | 188  | 188  | 188  | 188  | 189  | 189  | 190  | 191  | 192  | 193  | 194  | 195  | 196  | 196  | 196  |
| 165                | 199  | 198  | 198  | 198  | 198  | 198  | 198  | 198  | 198  | 198  | 199  | 199  | 199  | 200  | 200  | 200  | 201  | 201  | 201  |
| 170                | 207  | 207  | 206  | 206  | 206  | 206  | 206  | 205  | 205  | 205  | 205  | 205  | 206  | 206  | 206  | 206  | 206  | 206  | 206  |
| 175                | 213  | 213  | 213  | 213  | 213  | 212  | 212  | 212  | 212  | 212  | 211  | 211  | 211  | 211  | 210  | 210  | 210  | 210  | 210  |
| 180                | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  |

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:121.9V I:0.1190A P:14.40W PF:0.9800 Freq:60.00Hz Lamp Flux:1380.16x1 lm |            |                  |
| NAME: 12代 1FT 黑色                                                               | TYPE:3500K | WEIGHT:          |
| SPEC.:                                                                         | DIM.:      | SERIAL No.:      |
| MFR.: EVERFINE                                                                 | SUR.:      | 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                  | 619  | 619  | 618  | 618  | 618  | 617  | 617  | 617  | 617  | 617  | 617  | 617  | 617  | 617  | 617  | 617  | 617  | 617  | 617  |
| 5                  | 594  | 595  | 595  | 596  | 597  | 598  | 599  | 600  | 601  | 602  | 604  | 605  | 606  | 607  | 608  | 609  | 610  | 611  | 611  |
| 10                 | 548  | 549  | 551  | 554  | 557  | 561  | 564  | 568  | 572  | 576  | 580  | 584  | 588  | 591  | 594  | 597  | 600  | 600  | 599  |
| 15                 | 471  | 474  | 479  | 485  | 491  | 498  | 505  | 513  | 520  | 528  | 535  | 542  | 549  | 556  | 562  | 567  | 572  | 572  | 572  |
| 20                 | 380  | 385  | 391  | 399  | 408  | 417  | 428  | 439  | 452  | 465  | 478  | 491  | 503  | 515  | 525  | 535  | 543  | 543  | 541  |
| 25                 | 293  | 299  | 307  | 316  | 327  | 339  | 352  | 366  | 382  | 399  | 416  | 432  | 448  | 463  | 477  | 489  | 499  | 499  | 497  |
| 30                 | 220  | 225  | 233  | 243  | 254  | 266  | 280  | 295  | 315  | 335  | 355  | 375  | 394  | 412  | 428  | 442  | 454  | 453  | 449  |
| 35                 | 164  | 168  | 174  | 182  | 192  | 203  | 215  | 229  | 251  | 273  | 295  | 317  | 339  | 359  | 377  | 393  | 405  | 401  | 394  |
| 40                 | 111  | 115  | 121  | 129  | 139  | 149  | 162  | 176  | 197  | 220  | 242  | 264  | 286  | 306  | 323  | 339  | 351  | 345  | 336  |
| 45                 | 74.1 | 78.2 | 83.9 | 91.1 | 99.8 | 110  | 121  | 134  | 154  | 175  | 196  | 216  | 236  | 254  | 271  | 285  | 295  | 289  | 280  |
| 50                 | 45.8 | 49.3 | 54.2 | 60.4 | 67.8 | 76.5 | 86.4 | 97.4 | 115  | 134  | 152  | 171  | 188  | 204  | 218  | 231  | 240  | 234  | 225  |
| 55                 | 27.8 | 30.3 | 33.7 | 38.3 | 43.9 | 50.5 | 58.1 | 66.6 | 81.6 | 97.1 | 113  | 128  | 143  | 156  | 168  | 178  | 186  | 180  | 172  |
| 60                 | 15.5 | 16.6 | 18.5 | 21.2 | 24.7 | 29.0 | 34.2 | 40.2 | 52.1 | 64.6 | 77.2 | 89.7 | 102  | 113  | 122  | 130  | 137  | 131  | 123  |
| 65                 | 7.08 | 7.61 | 8.66 | 10.3 | 12.5 | 15.3 | 18.7 | 22.9 | 31.8 | 41.1 | 50.6 | 60.0 | 68.9 | 77.2 | 84.6 | 90.6 | 95.2 | 90.6 | 84.4 |
| 70                 | 2.49 | 2.67 | 3.17 | 4.04 | 5.29 | 6.95 | 9.04 | 11.6 | 17.6 | 23.8 | 30.2 | 36.4 | 42.5 | 48.0 | 52.9 | 57.0 | 60.1 | 56.8 | 52.5 |
| 75                 | 1.33 | 1.06 | 0.92 | 0.95 | 1.18 | 1.64 | 2.36 | 3.36 | 6.58 | 10.0 | 13.5 | 17.0 | 20.4 | 23.6 | 26.4 | 28.7 | 30.5 | 28.7 | 26.2 |
| 80                 | 1.37 | 1.37 | 1.41 | 1.50 | 1.64 | 1.83 | 2.08 | 2.40 | 3.22 | 4.09 | 4.98 | 5.86 | 6.70 | 7.48 | 8.18 | 8.76 | 9.19 | 8.74 | 8.15 |
| 85                 | 1.39 | 1.51 | 1.62 | 1.73 | 1.83 | 1.91 | 1.97 | 2.00 | 1.79 | 1.56 | 1.31 | 1.05 | 0.80 | 0.56 | 0.34 | 0.15 | 0.00 | 0.15 | 0.34 |
| 90                 | 1.27 | 1.40 | 1.53 | 1.66 | 1.78 | 1.87 | 1.95 | 1.99 | 1.79 | 1.56 | 1.31 | 1.06 | 0.80 | 0.56 | 0.34 | 0.15 | 0.00 | 0.15 | 0.35 |
| 95                 | 1.29 | 1.44 | 1.60 | 1.75 | 1.90 | 2.03 | 2.14 | 2.22 | 2.08 | 1.91 | 1.72 | 1.52 | 1.32 | 1.13 | 0.95 | 0.80 | 0.67 | 0.80 | 0.96 |
| 100                | 1.64 | 1.65 | 1.71 | 1.81 | 1.95 | 2.16 | 2.43 | 2.76 | 3.65 | 4.58 | 5.53 | 6.47 | 7.38 | 8.22 | 8.96 | 9.59 | 10.1 | 9.59 | 8.97 |
| 105                | 2.67 | 2.89 | 3.21 | 3.64 | 4.17 | 4.83 | 5.62 | 6.55 | 8.54 | 10.6 | 12.7 | 14.8 | 16.8 | 18.6 | 20.3 | 21.7 | 22.7 | 21.8 | 20.6 |
| 110                | 6.56 | 7.75 | 9.13 | 10.7 | 12.4 | 14.2 | 16.2 | 18.2 | 20.8 | 23.4 | 26.0 | 28.5 | 30.8 | 32.9 | 34.8 | 36.3 | 37.5 | 36.8 | 35.8 |
| 115                | 16.0 | 19.0 | 22.4 | 26.1 | 29.9 | 33.7 | 37.5 | 41.2 | 43.4 | 45.3 | 47.0 | 48.6 | 49.9 | 50.9 | 51.8 | 52.5 | 52.9 | 53.4 | 53.7 |
| 120                | 31.4 | 36.5 | 42.1 | 48.0 | 54.0 | 59.9 | 65.6 | 70.8 | 72.0 | 72.6 | 72.8 | 72.6 | 72.1 | 71.5 | 70.7 | 69.9 | 69.2 | 70.8 | 72.4 |
| 125                | 57.8 | 63.2 | 69.0 | 75.0 | 81.1 | 87.0 | 92.6 | 97.7 | 97.6 | 97.0 | 95.9 | 94.4 | 92.7 | 90.8 | 89.0 | 87.2 | 85.8 | 87.7 | 90.0 |
| 130                | 97.3 | 101  | 104  | 107  | 111  | 114  | 117  | 120  | 118  | 117  | 115  | 113  | 111  | 109  | 107  | 105  | 104  | 106  | 108  |
| 135                | 134  | 135  | 136  | 137  | 137  | 137  | 138  | 137  | 136  | 134  | 132  | 130  | 128  | 126  | 124  | 123  | 122  | 123  | 125  |
| 140                | 159  | 159  | 158  | 157  | 156  | 155  | 154  | 152  | 150  | 148  | 147  | 145  | 143  | 142  | 141  | 140  | 139  | 140  | 141  |
| 145                | 174  | 173  | 172  | 171  | 169  | 168  | 166  | 165  | 163  | 162  | 160  | 159  | 158  | 157  | 156  | 156  | 155  | 156  | 157  |
| 150                | 183  | 182  | 181  | 180  | 179  | 178  | 177  | 175  | 175  | 174  | 173  | 172  | 172  | 172  | 171  | 171  | 171  | 171  | 172  |
| 155                | 190  | 189  | 189  | 188  | 187  | 186  | 185  | 185  | 184  | 184  | 184  | 183  | 183  | 183  | 183  | 183  | 183  | 184  | 184  |
| 160                | 196  | 196  | 196  | 195  | 195  | 194  | 194  | 194  | 194  | 194  | 194  | 194  | 194  | 195  | 195  | 195  | 195  | 196  | 196  |
| 165                | 201  | 201  | 201  | 201  | 201  | 201  | 201  | 201  | 201  | 202  | 202  | 202  | 202  | 203  | 203  | 203  | 203  | 204  | 204  |
| 170                | 206  | 207  | 207  | 207  | 207  | 207  | 207  | 208  | 208  | 208  | 208  | 209  | 209  | 209  | 209  | 209  | 210  | 210  | 210  |
| 175                | 210  | 211  | 211  | 211  | 212  | 212  | 212  | 212  | 213  | 213  | 213  | 213  | 213  | 213  | 213  | 213  | 214  | 214  | 214  |
| 180                | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  |

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:121.9V I:0.1190A P:14.40W PF:0.9800 Freq:60.00Hz Lamp Flux:1380.16x1 lm |  |  |  |  |  |  |  |  |            |  |  |  |  |  |                  |  |  |
| NAME: 12代 1FT 黑色                                                               |  |  |  |  |  |  |  |  | TYPE:3500K |  |  |  |  |  | WEIGHT:          |  |  |
| SPEC.:                                                                         |  |  |  |  |  |  |  |  | DIM.:      |  |  |  |  |  | SERIAL No.:      |  |  |
| MFR.: EVERFINE                                                                 |  |  |  |  |  |  |  |  | SUR.:      |  |  |  |  |  | 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                  | 617  | 618  | 618  | 618  | 618  | 618  | 618  | 618  | 618  | 619  | 619  | 619  | 619  | 619  | 619  |  |  |  |  |
| 5                  | 612  | 612  | 612  | 613  | 613  | 613  | 614  | 614  | 615  | 615  | 616  | 617  | 617  | 618  | 619  |  |  |  |  |
| 10                 | 599  | 598  | 596  | 595  | 594  | 592  | 591  | 591  | 591  | 592  | 592  | 593  | 594  | 595  | 596  |  |  |  |  |
| 15                 | 571  | 570  | 568  | 566  | 564  | 561  | 559  | 558  | 557  | 556  | 555  | 555  | 554  | 554  | 554  |  |  |  |  |
| 20                 | 538  | 534  | 529  | 524  | 518  | 512  | 507  | 505  | 503  | 501  | 500  | 499  | 499  | 499  | 499  |  |  |  |  |
| 25                 | 493  | 488  | 481  | 474  | 466  | 458  | 449  | 445  | 441  | 437  | 433  | 430  | 426  | 423  | 421  |  |  |  |  |
| 30                 | 442  | 434  | 425  | 414  | 402  | 390  | 378  | 371  | 364  | 357  | 351  | 345  | 339  | 333  | 327  |  |  |  |  |
| 35                 | 384  | 372  | 359  | 344  | 328  | 312  | 297  | 288  | 280  | 273  | 266  | 260  | 255  | 251  | 247  |  |  |  |  |
| 40                 | 324  | 310  | 294  | 278  | 260  | 243  | 226  | 217  | 208  | 201  | 194  | 189  | 184  | 180  | 177  |  |  |  |  |
| 45                 | 268  | 254  | 239  | 222  | 205  | 188  | 171  | 161  | 152  | 144  | 137  | 131  | 126  | 121  | 118  |  |  |  |  |
| 50                 | 214  | 201  | 187  | 171  | 155  | 139  | 123  | 114  | 105  | 96.8 | 89.5 | 82.8 | 76.9 | 71.6 | 67.1 |  |  |  |  |
| 55                 | 161  | 149  | 136  | 122  | 108  | 93.2 | 79.2 | 71.2 | 64.0 | 57.5 | 51.8 | 46.9 | 42.8 | 39.4 | 36.9 |  |  |  |  |
| 60                 | 114  | 104  | 92.2 | 80.2 | 68.0 | 55.9 | 44.3 | 38.2 | 32.9 | 28.5 | 24.8 | 22.1 | 20.1 | 19.0 | 18.6 |  |  |  |  |
| 65                 | 77.0 | 68.7 | 59.7 | 50.3 | 40.8 | 31.5 | 22.7 | 18.3 | 14.6 | 11.7 | 9.58 | 8.15 | 7.46 | 7.51 | 8.30 |  |  |  |  |
| 70                 | 47.4 | 41.6 | 35.4 | 29.0 | 22.5 | 16.2 | 10.2 | 7.39 | 5.09 | 3.33 | 2.12 | 1.44 | 1.31 | 1.72 | 2.66 |  |  |  |  |
| 75                 | 23.3 | 20.1 | 16.7 | 13.1 | 9.53 | 6.07 | 2.84 | 1.45 | 0.40 | 0.33 | 0.32 | 0.31 | 0.29 | 0.27 | 1.17 |  |  |  |  |
| 80                 | 7.44 | 6.65 | 5.80 | 4.91 | 4.02 | 3.16 | 2.34 | 1.96 | 1.67 | 1.44 | 1.30 | 1.23 | 1.24 | 1.33 | 1.49 |  |  |  |  |
| 85                 | 0.56 | 0.80 | 1.06 | 1.32 | 1.58 | 1.82 | 2.04 | 2.10 | 2.13 | 2.13 | 2.10 | 2.03 | 1.93 | 1.80 | 1.63 |  |  |  |  |
| 90                 | 0.57 | 0.82 | 1.07 | 1.33 | 1.59 | 1.83 | 2.04 | 2.10 | 2.11 | 2.10 | 2.05 | 1.97 | 1.85 | 1.69 | 1.50 |  |  |  |  |
| 95                 | 1.15 | 1.35 | 1.56 | 1.77 | 1.98 | 2.17 | 2.33 | 2.37 | 2.37 | 2.35 | 2.29 | 2.20 | 2.09 | 1.94 | 1.76 |  |  |  |  |
| 100                | 8.23 | 7.40 | 6.50 | 5.57 | 4.63 | 3.71 | 2.84 | 2.44 | 2.11 | 1.86 | 1.70 | 1.61 | 1.60 | 1.67 | 1.82 |  |  |  |  |
| 105                | 19.1 | 17.4 | 15.6 | 13.6 | 11.7 | 9.69 | 7.78 | 6.77 | 5.88 | 5.12 | 4.50 | 3.99 | 3.62 | 3.38 | 3.26 |  |  |  |  |
| 110                | 34.4 | 32.7 | 30.8 | 28.7 | 26.6 | 24.3 | 22.0 | 20.4 | 18.8 | 17.2 | 15.7 | 14.1 | 12.6 | 11.2 | 9.71 |  |  |  |  |
| 115                | 53.7 | 53.5 | 53.1 | 52.3 | 51.3 | 50.0 | 48.4 | 46.2 | 43.8 | 41.0 | 37.9 | 34.5 | 30.7 | 26.6 | 22.2 |  |  |  |  |
| 120                | 74.1 | 75.6 | 76.9 | 78.0 | 78.7 | 78.9 | 78.6 | 76.5 | 73.9 | 70.6 | 66.7 | 62.2 | 57.0 | 51.3 | 44.9 |  |  |  |  |
| 125                | 92.4 | 94.9 | 97.3 | 99.6 | 102  | 103  | 105  | 104  | 102  | 101  | 98.1 | 95.0 | 91.4 | 87.2 | 82.4 |  |  |  |  |
| 130                | 110  | 112  | 115  | 118  | 120  | 123  | 125  | 126  | 127  | 128  | 128  | 128  | 127  | 127  | 126  |  |  |  |  |
| 135                | 127  | 129  | 132  | 134  | 137  | 140  | 142  | 144  | 146  | 148  | 150  | 152  | 153  | 155  | 157  |  |  |  |  |
| 140                | 143  | 145  | 147  | 149  | 152  | 154  | 157  | 159  | 161  | 163  | 166  | 168  | 170  | 172  | 174  |  |  |  |  |
| 145                | 158  | 159  | 161  | 162  | 164  | 166  | 168  | 170  | 172  | 174  | 176  | 178  | 180  | 182  | 185  |  |  |  |  |
| 150                | 173  | 173  | 174  | 175  | 176  | 178  | 179  | 180  | 181  | 183  | 184  | 186  | 187  | 189  | 190  |  |  |  |  |
| 155                | 184  | 185  | 186  | 186  | 187  | 188  | 189  | 189  | 190  | 191  | 192  | 193  | 194  | 195  | 196  |  |  |  |  |
| 160                | 197  | 197  | 197  | 198  | 198  | 199  | 199  | 200  | 200  | 200  | 201  | 201  | 202  | 202  | 202  |  |  |  |  |
| 165                | 204  | 204  | 205  | 205  | 205  | 205  | 206  | 206  | 206  | 206  | 206  | 207  | 207  | 207  | 207  |  |  |  |  |
| 170                | 210  | 210  | 210  | 210  | 210  | 210  | 210  | 210  | 210  | 211  | 211  | 211  | 211  | 211  | 212  |  |  |  |  |
| 175                | 214  | 214  | 214  | 214  | 214  | 214  | 214  | 214  | 214  | 214  | 214  | 214  | 214  | 214  | 214  |  |  |  |  |
| 180                | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  | 215  |  |  |  |  |

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: