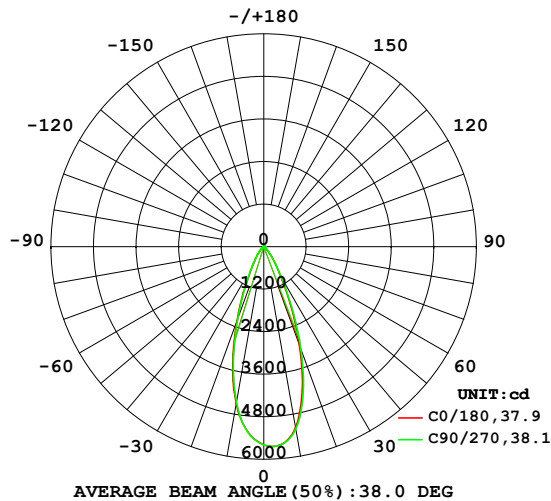


## LUMINAIRE PHOTOMETRIC TEST REPORT

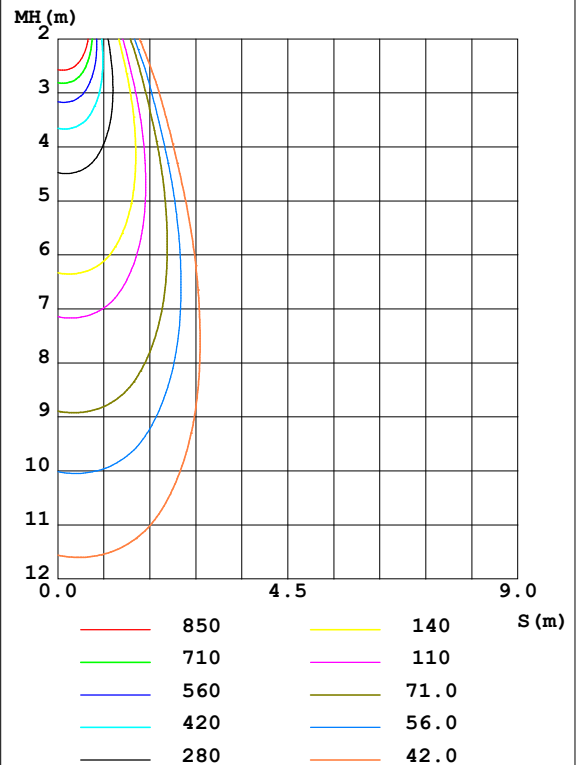
|                                                                                |            |                  |
|--------------------------------------------------------------------------------|------------|------------------|
| Test:U:120.8V I:0.2430A P:28.90W PF:0.9820 Freq:60.00Hz Lamp Flux:2808.94x1 lm |            |                  |
| NAME: 4寸筒灯 40度 30W                                                             | TYPE:5000K | WEIGHT:          |
| SPEC.:                                                                         | DIM.:      | SERIAL No.:      |
| MFR.: EVERFINE                                                                 | SUR.:      | Shielding Angle: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA Eff: 95.91 lm/W |        |                        |          |
|------------------|---------|----------------------------------|--------|------------------------|----------|
| MODEL            |         | Imax(cd)                         | 5682   | S/MH(C0/180)           | 0.65     |
| NOMINAL POWER(W) | 30W     | LOR(%)                           | 98.7   | S/MH(C90/270)          | 0.57     |
| RATED VOLTAGE(V) | 120.0   | TOTAL FLUX(lm)                   | 2771.9 | $\eta$ UP,DN(C0-180)   | 0.3,55.7 |
| NOMINAL FLUX(lm) | 2808.94 | CIE CLASS                        | DIRECT | $\eta$ UP,DN(C180-360) | 0.1,42.6 |
| LAMPS INSIDE     | 1       | $\eta$ up(%)                     | 0.4    | CIBSE SHR NOM          | 0.50     |
| TEST VOLTAGE(V)  | 120.0   | $\eta$ down(%)                   | 98.3   | CIBSE SHR MAX          | 0.60     |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2025-01-10

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:7.540m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

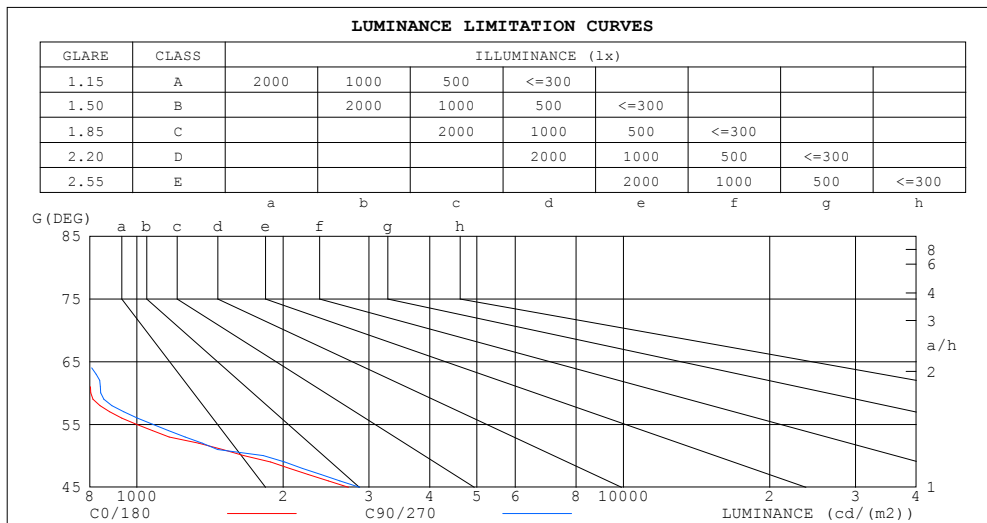
| $\gamma$ | C0                    | C45    | C90    | C135   | C180   | C225   | C270   | C315   | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum,lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|-----------|
| 10       | 5180                  | 5327   | 5226   | 5042   | 4498   | 4380   | 4448   | 4611   | 0- 10    | 499.6       | 499.6        | 18,17.8   |
| 20       | 2948                  | 3167   | 3080   | 2933   | 2215   | 2085   | 2129   | 2241   | 10- 20   | 1038        | 1537         | 55.5,54.7 |
| 30       | 958.6                 | 1065   | 1003   | 953.2  | 685.3  | 658.9  | 668.4  | 696.8  | 20- 30   | 712.6       | 2250         | 81.2,80.1 |
| 40       | 294.1                 | 328.1  | 310.2  | 304.7  | 223.8  | 213.4  | 217.1  | 213.9  | 30- 40   | 306.6       | 2556         | 92.2,91   |
| 50       | 89.23                 | 99.35  | 98.52  | 99.95  | 65.92  | 67.64  | 62.92  | 66.16  | 40- 50   | 119.2       | 2676         | 96.5,95.3 |
| 60       | 33.65                 | 34.98  | 35.49  | 35.64  | 32.33  | 30.95  | 30.19  | 30.18  | 50- 60   | 43.19       | 2719         | 98.1,96.8 |
| 70       | 19.08                 | 20.19  | 20.44  | 20.72  | 17.23  | 16.33  | 15.80  | 15.82  | 60- 70   | 25.18       | 2744         | 99,97.7   |
| 80       | 7.951                 | 8.534  | 8.586  | 8.669  | 6.308  | 5.955  | 5.774  | 5.730  | 70- 80   | 13.05       | 2757         | 99.5,98.2 |
| 90       | 0.2360                | 0.2964 | 0.2234 | 0.3074 | 0      | 0      | 0      | 0      | 80- 90   | 3.467       | 2761         | 99.6,98.3 |
| 100      | 0.0651                | 0.0510 | 0.0485 | 0.0605 | 0      | 0      | 0      | 0      | 90-100   | 0.0246      | 2761         | 99.6,98.3 |
| 110      | 0.1301                | 0.1118 | 0.1116 | 0.1186 | 0.0072 | 0.0073 | 0.0050 | 0.0145 | 100-110  | 0.0454      | 2761         | 99.6,98.3 |
| 120      | 0.4239                | 0.3768 | 0.3733 | 0.3948 | 0.0701 | 0.0873 | 0.0997 | 0.0943 | 110-120  | 0.1331      | 2761         | 99.6,98.3 |
| 130      | 1.248                 | 1.126  | 1.144  | 1.245  | 0.2609 | 0.3130 | 0.3476 | 0.3264 | 120-130  | 0.4028      | 2761         | 99.6,98.3 |
| 140      | 3.622                 | 3.217  | 3.277  | 3.702  | 0.7871 | 0.9343 | 0.9987 | 0.9477 | 130-140  | 1.027       | 2762         | 99.6,98.3 |
| 150      | 8.779                 | 8.322  | 8.494  | 9.654  | 1.868  | 2.117  | 2.191  | 2.143  | 140-150  | 2.268       | 2764         | 99.7,98.4 |
| 160      | 13.55                 | 13.94  | 14.09  | 15.65  | 3.769  | 4.256  | 4.427  | 4.192  | 150-160  | 3.375       | 2768         | 99.9,98.5 |
| 170      | 14.72                 | 16.08  | 16.37  | 16.74  | 6.431  | 7.453  | 7.828  | 7.362  | 160-170  | 2.948       | 2771         | 100,98.6  |
| 180      | 11.31                 | 12.99  | 13.52  | 12.99  | 11.30  | 13.03  | 13.53  | 12.99  | 170-180  | 1.159       | 2772         | 100,98.7  |
| DEG      | LUMINOUS INTENSITY:cd |        |        |        |        |        |        |        |          | UNIT:lm     |              |           |

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2025-01-10

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:7.540m [K=1.0000]  
Remarks:

## LUMINANCE LIMITATION CURVES

|                                                                                |            |                  |
|--------------------------------------------------------------------------------|------------|------------------|
| Test:U:120.8V I:0.2430A P:28.90W PF:0.9820 Freq:60.00Hz Lamp Flux:2808.94x1 lm |            |                  |
| NAME: 4寸筒灯 40度 30W                                                             | TYPE:5000K | WEIGHT:          |
| SPEC.:                                                                         | DIM.:      | SERIAL No.:      |
| MFR.: EVERFINE                                                                 | SUR.:      | Shielding Angle: |



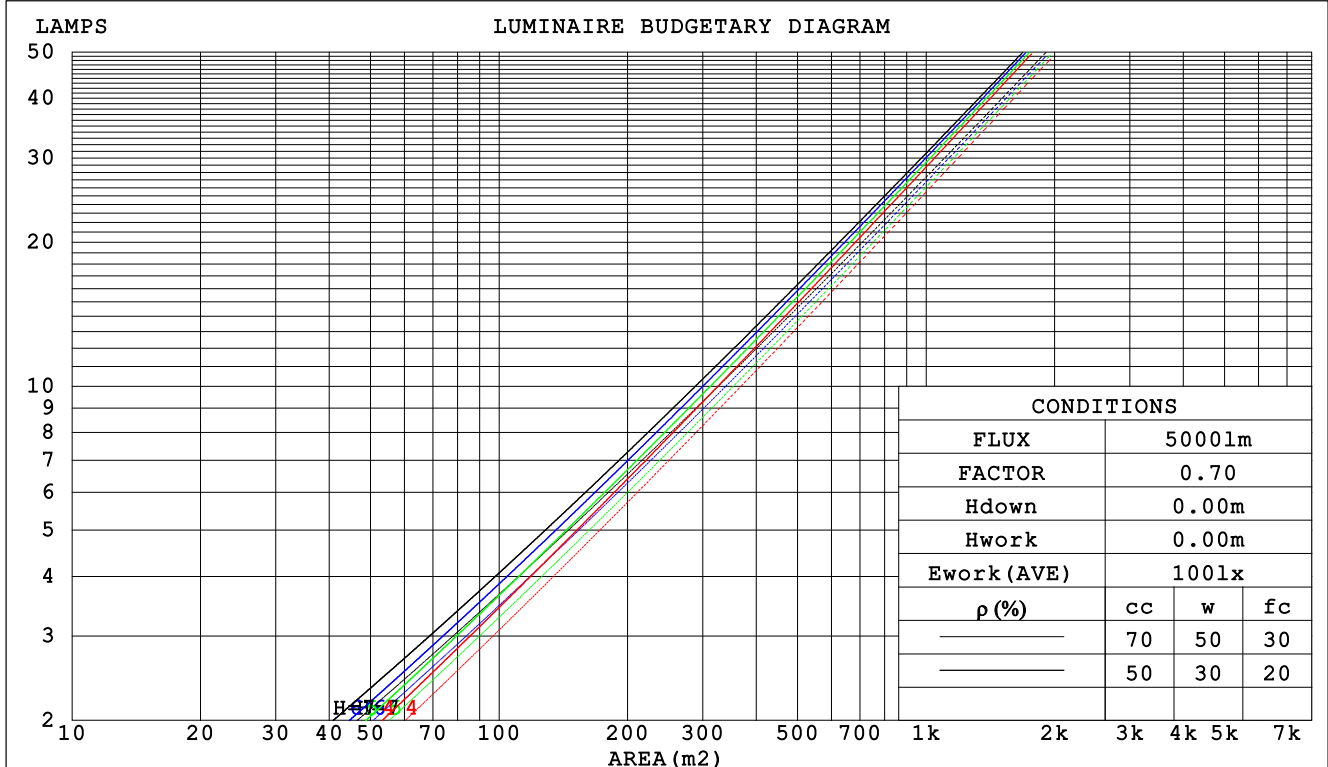
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2025-01-10

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:7.540m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                                |            |                  |
|--------------------------------------------------------------------------------|------------|------------------|
| Test:U:120.8V I:0.2430A P:28.90W PF:0.9820 Freq:60.00Hz Lamp Flux:2808.94x1 lm |            |                  |
| NAME: 4寸筒灯 40度 30W                                                             | TYPE:5000K | 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         | 1.17                  | 1.17 | 1.17 | 1.15                            | 1.15 | 1.15 | 1.09 | 1.09 | 1.09 | 1.05 | 1.05 | 1.05 | 1.00 | 1.00 | 1.00 | .98 |
| 1.0         | 1.10                  | 1.07 | 1.05 | 1.08                            | 1.05 | 1.04 | 1.03 | 1.02 | 1.00 | .99  | .98  | .97  | .96  | .95  | .94  | .93 |
| 2.0         | 1.03                  | .99  | .96  | 1.01                            | .98  | .95  | .98  | .95  | .93  | .95  | .93  | .91  | .92  | .90  | .89  | .87 |
| 3.0         | .97                   | .92  | .89  | .95                             | .91  | .88  | .93  | .89  | .86  | .90  | .87  | .85  | .88  | .86  | .84  | .82 |
| 4.0         | .91                   | .86  | .83  | .90                             | .86  | .82  | .88  | .84  | .81  | .86  | .83  | .80  | .84  | .81  | .79  | .78 |
| 5.0         | .86                   | .81  | .77  | .86                             | .81  | .77  | .84  | .80  | .76  | .82  | .78  | .76  | .81  | .77  | .75  | .74 |
| 6.0         | .82                   | .77  | .73  | .81                             | .76  | .73  | .80  | .75  | .72  | .78  | .75  | .72  | .77  | .74  | .71  | .70 |
| 7.0         | .78                   | .73  | .69  | .77                             | .72  | .69  | .76  | .72  | .68  | .75  | .71  | .68  | .74  | .70  | .68  | .66 |
| 8.0         | .74                   | .69  | .66  | .74                             | .69  | .65  | .73  | .68  | .65  | .72  | .68  | .65  | .71  | .67  | .65  | .63 |
| 9.0         | .71                   | .66  | .62  | .71                             | .66  | .62  | .70  | .65  | .62  | .69  | .65  | .62  | .68  | .64  | .62  | .61 |
| 10.0        | .68                   | .63  | .60  | .68                             | .63  | .60  | .67  | .62  | .59  | .66  | .62  | .59  | .65  | .62  | .59  | .58 |



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2025-01-10

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:7.540m [K=1.0000]  
Remarks:

## WEC AND CCEC

|                                                                                |  |  |            |  |                  |
|--------------------------------------------------------------------------------|--|--|------------|--|------------------|
| Test:U:120.8V I:0.2430A P:28.90W PF:0.9820 Freq:60.00Hz Lamp Flux:2808.94x1 lm |  |  |            |  |                  |
| NAME: 4寸筒灯 40度 30W                                                             |  |  | TYPE:5000K |  | 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  | .166                  | .094 | .030 | .159 | .091 | .029 | .147                            | .084 | .027 | .135 | .078 | .025 | .124 | .072 | .023 |   |  |
| 2.0  | .157                  | .086 | .026 | .151 | .083 | .026 | .141                            | .078 | .024 | .131 | .073 | .023 | .122 | .069 | .022 |   |  |
| 3.0  | .148                  | .079 | .024 | .143 | .077 | .023 | .134                            | .073 | .022 | .126 | .069 | .021 | .118 | .065 | .020 |   |  |
| 4.0  | .140                  | .073 | .021 | .136 | .071 | .021 | .128                            | .068 | .020 | .121 | .065 | .020 | .114 | .062 | .019 |   |  |
| 5.0  | .132                  | .067 | .020 | .129 | .066 | .019 | .122                            | .064 | .019 | .116 | .061 | .018 | .110 | .059 | .018 |   |  |
| 6.0  | .126                  | .063 | .018 | .123 | .062 | .018 | .117                            | .060 | .017 | .111 | .058 | .017 | .106 | .056 | .017 |   |  |
| 7.0  | .120                  | .059 | .017 | .117 | .058 | .017 | .112                            | .057 | .016 | .107 | .055 | .016 | .102 | .053 | .016 |   |  |
| 8.0  | .114                  | .056 | .016 | .112 | .055 | .016 | .107                            | .054 | .015 | .103 | .052 | .015 | .099 | .051 | .015 |   |  |
| 9.0  | .109                  | .053 | .015 | .107 | .052 | .015 | .103                            | .051 | .014 | .099 | .050 | .014 | .096 | .049 | .014 |   |  |
| 10.0 | .105                  | .050 | .014 | .103 | .050 | .014 | .099                            | .049 | .014 | .096 | .047 | .013 | .092 | .046 | .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  | .191                  | .191 | .191 | .163 | .163 | .163 | .111                                       | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 |   |  |
| 1.0  | .171                  | .158 | .147 | .147 | .136 | .126 | .100                                       | .094 | .087 | .058 | .054 | .051 | .018 | .017 | .016 |   |  |
| 2.0  | .156                  | .134 | .116 | .133 | .115 | .100 | .091                                       | .080 | .070 | .053 | .046 | .041 | .017 | .015 | .013 |   |  |
| 3.0  | .143                  | .115 | .093 | .122 | .099 | .081 | .084                                       | .069 | .057 | .048 | .040 | .033 | .016 | .013 | .011 |   |  |
| 4.0  | .132                  | .100 | .077 | .113 | .087 | .066 | .078                                       | .060 | .047 | .045 | .035 | .028 | .014 | .012 | .009 |   |  |
| 5.0  | .123                  | .089 | .064 | .105 | .077 | .056 | .073                                       | .054 | .039 | .042 | .032 | .023 | .014 | .010 | .008 |   |  |
| 6.0  | .115                  | .079 | .054 | .099 | .069 | .047 | .068                                       | .048 | .033 | .039 | .028 | .020 | .013 | .009 | .007 |   |  |
| 7.0  | .108                  | .072 | .046 | .093 | .062 | .040 | .064                                       | .044 | .029 | .037 | .026 | .017 | .012 | .008 | .006 |   |  |
| 8.0  | .102                  | .065 | .040 | .088 | .057 | .035 | .061                                       | .040 | .025 | .035 | .024 | .015 | .011 | .008 | .005 |   |  |
| 9.0  | .097                  | .060 | .035 | .083 | .052 | .031 | .058                                       | .037 | .022 | .034 | .022 | .013 | .011 | .007 | .004 |   |  |
| 10.0 | .092                  | .056 | .031 | .079 | .048 | .027 | .055                                       | .034 | .020 | .032 | .020 | .012 | .010 | .007 | .004 |   |  |

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2025-01-10

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.353  
 Humidity:65.0%  
 Test Distance:7.540m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

|                                                                                |                  |      |      |      |            |                |      |                  |      |      |
|--------------------------------------------------------------------------------|------------------|------|------|------|------------|----------------|------|------------------|------|------|
| Test:U:120.8V I:0.2430A P:28.90W PF:0.9820 Freq:60.00Hz Lamp Flux:2808.94x1 lm |                  |      |      |      |            |                |      |                  |      |      |
| NAME: 4寸筒灯 40度 30W                                                             |                  |      |      |      | TYPE:5000K |                |      | 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                                                                  | 10.4             | 11.3 | 10.6 | 11.4 | 11.6       | 10.6           | 11.4 | 10.8             | 11.6 | 11.8 |
| 3H                                                                             | 10.5             | 11.3 | 10.8 | 11.5 | 11.7       | 10.7           | 11.5 | 11.0             | 11.7 | 11.9 |
| 4H                                                                             | 10.6             | 11.3 | 10.8 | 11.5 | 11.8       | 10.8           | 11.5 | 11.0             | 11.7 | 11.9 |
| 6H                                                                             | 10.6             | 11.3 | 10.9 | 11.5 | 11.8       | 10.8           | 11.5 | 11.1             | 11.7 | 12.0 |
| 8H                                                                             | 10.6             | 11.3 | 10.9 | 11.5 | 11.8       | 10.8           | 11.5 | 11.1             | 11.7 | 12.0 |
| 12H                                                                            | 10.6             | 11.2 | 10.9 | 11.5 | 11.8       | 10.8           | 11.4 | 11.1             | 11.7 | 12.0 |
| 4H 2H                                                                          | 10.3             | 11.1 | 10.6 | 11.3 | 11.5       | 10.5           | 11.2 | 10.8             | 11.5 | 11.7 |
| 3H                                                                             | 10.5             | 11.2 | 10.8 | 11.4 | 11.7       | 10.7           | 11.3 | 11.0             | 11.6 | 11.9 |
| 4H                                                                             | 10.6             | 11.2 | 11.0 | 11.5 | 11.8       | 10.8           | 11.4 | 11.1             | 11.7 | 12.0 |
| 6H                                                                             | 10.7             | 11.2 | 11.1 | 11.6 | 11.9       | 10.9           | 11.4 | 11.3             | 11.8 | 12.1 |
| 8H                                                                             | 10.7             | 11.2 | 11.1 | 11.6 | 11.9       | 10.9           | 11.4 | 11.3             | 11.8 | 12.1 |
| 12H                                                                            | 10.7             | 11.2 | 11.1 | 11.6 | 12.0       | 10.9           | 11.4 | 11.3             | 11.8 | 12.2 |
| 8H 4H                                                                          | 10.6             | 11.1 | 11.0 | 11.4 | 11.8       | 10.8           | 11.2 | 11.2             | 11.6 | 12.0 |
| 6H                                                                             | 10.7             | 11.1 | 11.2 | 11.5 | 12.0       | 10.9           | 11.3 | 11.3             | 11.7 | 12.1 |
| 8H                                                                             | 10.8             | 11.1 | 11.2 | 11.6 | 12.0       | 11.0           | 11.3 | 11.4             | 11.8 | 12.2 |
| 12H                                                                            | 10.8             | 11.1 | 11.3 | 11.6 | 12.1       | 11.0           | 11.3 | 11.5             | 11.8 | 12.3 |
| 12H 4H                                                                         | 10.6             | 11.0 | 11.0 | 11.4 | 11.8       | 10.7           | 11.2 | 11.1             | 11.5 | 11.9 |
| 6H                                                                             | 10.7             | 11.1 | 11.2 | 11.5 | 11.9       | 10.9           | 11.2 | 11.3             | 11.7 | 12.1 |
| 8H                                                                             | 10.8             | 11.1 | 11.3 | 11.5 | 12.0       | 11.0           | 11.3 | 11.4             | 11.7 | 12.2 |
| Variations with the observer position at spacings:                             |                  |      |      |      |            |                |      |                  |      |      |
| S = 1.0H                                                                       | + 1.8 / - 2.9    |      |      |      |            | + 1.8 / - 2.9  |      |                  |      |      |
| 1.5H                                                                           | + 3.2 / - 2.8    |      |      |      |            | + 3.3 / - 2.8  |      |                  |      |      |
| 2.0H                                                                           | + 3.1 / - 1.6    |      |      |      |            | + 3.1 / - 1.5  |      |                  |      |      |

CIE Pub.117 Corrected 2809 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.6)

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2025-01-10

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:7.540m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

|                                                                                |            |                  |
|--------------------------------------------------------------------------------|------------|------------------|
| Test:U:120.8V I:0.2430A P:28.90W PF:0.9820 Freq:60.00Hz Lamp Flux:2808.94x1 lm |            |                  |
| NAME: 4寸筒灯 40度 30W                                                             | TYPE:5000K | WEIGHT:          |
| SPEC.:                                                                         | DIM.:      | SERIAL No.:      |
| MFR.: EVERFINE                                                                 | SUR.:      | Shielding Angle: |

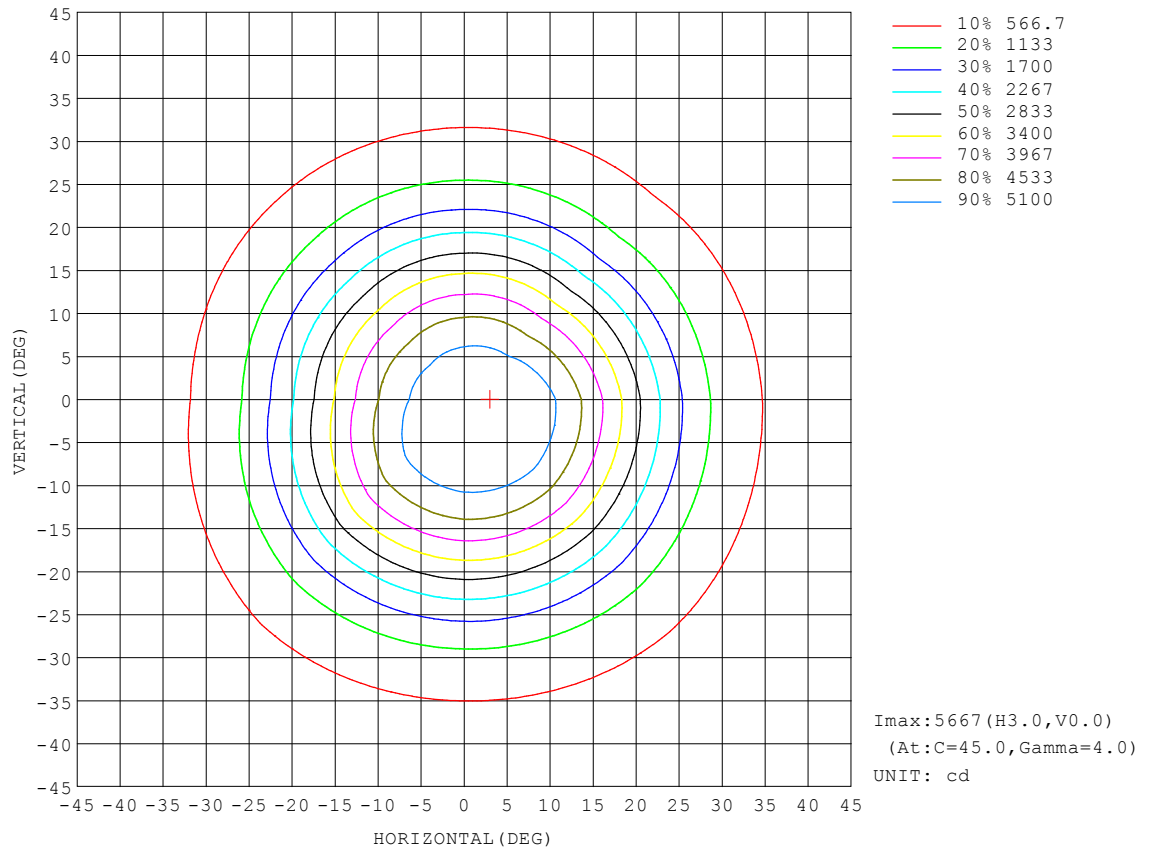
| REFLECTANCE                      |                                                      |     |           |     |     |     |     |               |     |        |
|----------------------------------|------------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 86                                                   | 79  | 75        | 85  | 79  | 75  | 84  | 79            | 75  | 72     |
| 0.80                             | 93                                                   | 87  | 83        | 92  | 87  | 83  | 91  | 86            | 83  | 79     |
| 1.00                             | 97                                                   | 92  | 88        | 96  | 91  | 88  | 95  | 91            | 87  | 83     |
| 1.25                             | 101                                                  | 96  | 93        | 100 | 96  | 92  | 98  | 94            | 91  | 87     |
| 1.50                             | 104                                                  | 99  | 96        | 103 | 99  | 95  | 101 | 97            | 94  | 90     |
| 2.00                             | 107                                                  | 103 | 99        | 105 | 101 | 99  | 103 | 99            | 97  | 92     |
| 2.50                             | 108                                                  | 105 | 102       | 107 | 103 | 101 | 104 | 101           | 99  | 93     |
| 3.00                             | 110                                                  | 107 | 104       | 108 | 105 | 103 | 105 | 102           | 100 | 94     |
| 4.00                             | 112                                                  | 109 | 107       | 110 | 108 | 106 | 106 | 104           | 103 | 96     |
| 5.00                             | 113                                                  | 111 | 109       | 111 | 109 | 108 | 107 | 106           | 104 | 97     |
| ROOM INDEX                       | UF (total)                                           |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                      |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2025-01-10

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:7.540m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

|                                                                                |            |                  |
|--------------------------------------------------------------------------------|------------|------------------|
| Test:U:120.8V I:0.2430A P:28.90W PF:0.9820 Freq:60.00Hz Lamp Flux:2808.94x1 lm |            |                  |
| NAME: 4寸筒灯 40度 30W                                                             | TYPE:5000K | WEIGHT:          |
| SPEC.:                                                                         | DIM.:      | SERIAL No.:      |
| MFR.: EVERFINE                                                                 | SUR.:      | Shielding Angle: |

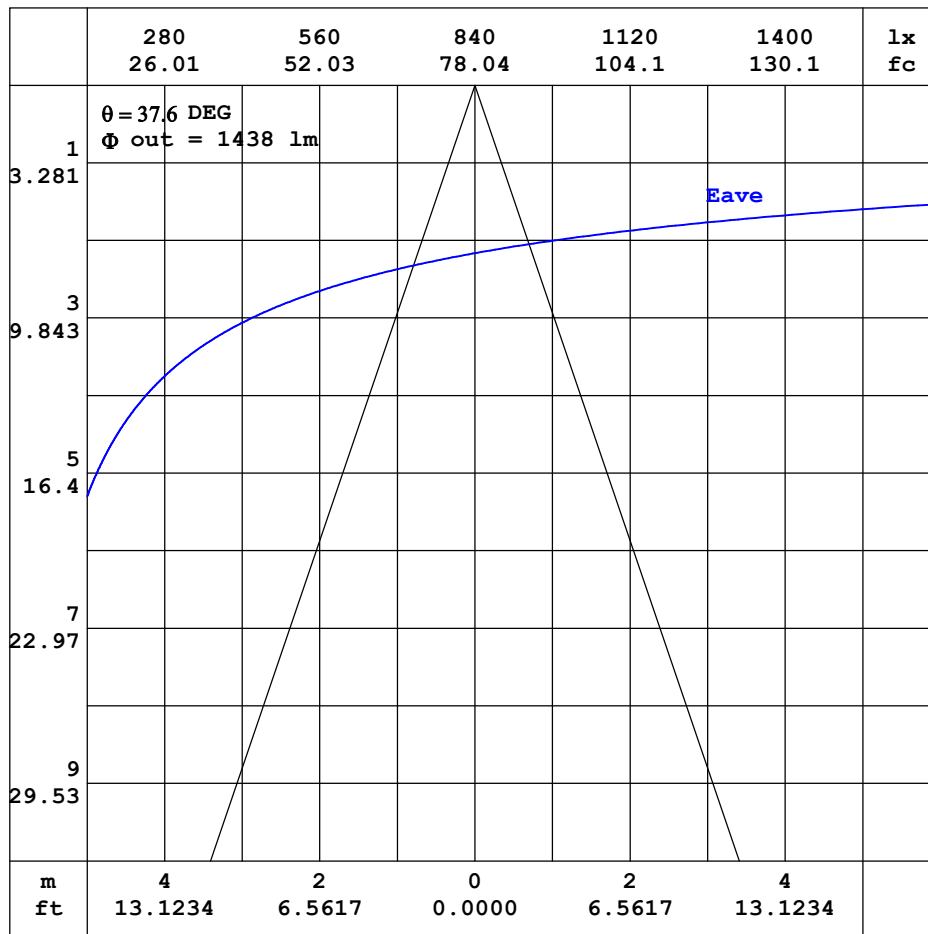


C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2025-01-10

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:7.540m [K=1.0000]  
Remarks:

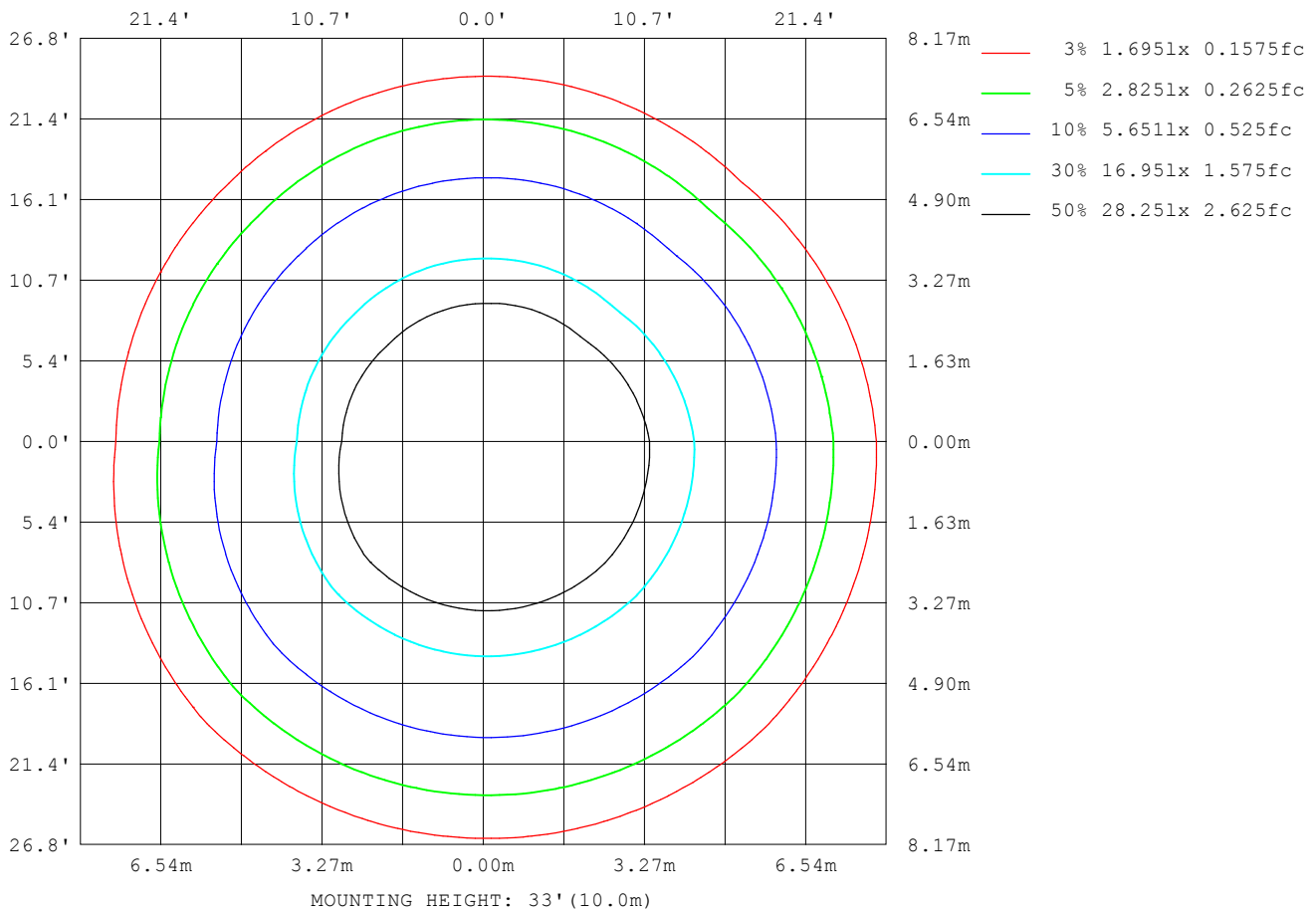
## AAI CURVES

|                                                                                |            |                  |
|--------------------------------------------------------------------------------|------------|------------------|
| Test:U:120.8V I:0.2430A P:28.90W PF:0.9820 Freq:60.00Hz Lamp Flux:2808.94x1 lm |            |                  |
| NAME: 4寸筒灯 40度 30W                                                             | TYPE:5000K | WEIGHT:          |
| SPEC.:                                                                         | DIM.:      | SERIAL No.:      |
| MFR.: EVERFINE                                                                 | SUR.:      | Shielding Angle: |



## ISOLUX DIAGRAM

|                                                                                |            |                  |
|--------------------------------------------------------------------------------|------------|------------------|
| Test:U:120.8V I:0.2430A P:28.90W PF:0.9820 Freq:60.00Hz Lamp Flux:2808.94x1 lm |            |                  |
| NAME: 4寸筒灯 40度 30W                                                             | TYPE:5000K | WEIGHT:          |
| SPEC.:                                                                         | DIM.:      | SERIAL No.:      |
| MFR.: EVERFINE                                                                 | SUR.:      | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2025-01-10

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:7.540m [K=1.0000]  
Remarks:

## LED Avg.L Report

|                                                                                |            |                  |
|--------------------------------------------------------------------------------|------------|------------------|
| Test:U:120.8V I:0.2430A P:28.90W PF:0.9820 Freq:60.00Hz Lamp Flux:2808.94x1 lm |            |                  |
| NAME: 4寸筒灯 40度 30W                                                             | TYPE:5000K | WEIGHT:          |
| SPEC.:                                                                         | DIM.:      | SERIAL No.:      |
| MFR.: EVERFINE                                                                 | SUR.:      | Shielding Angle: |

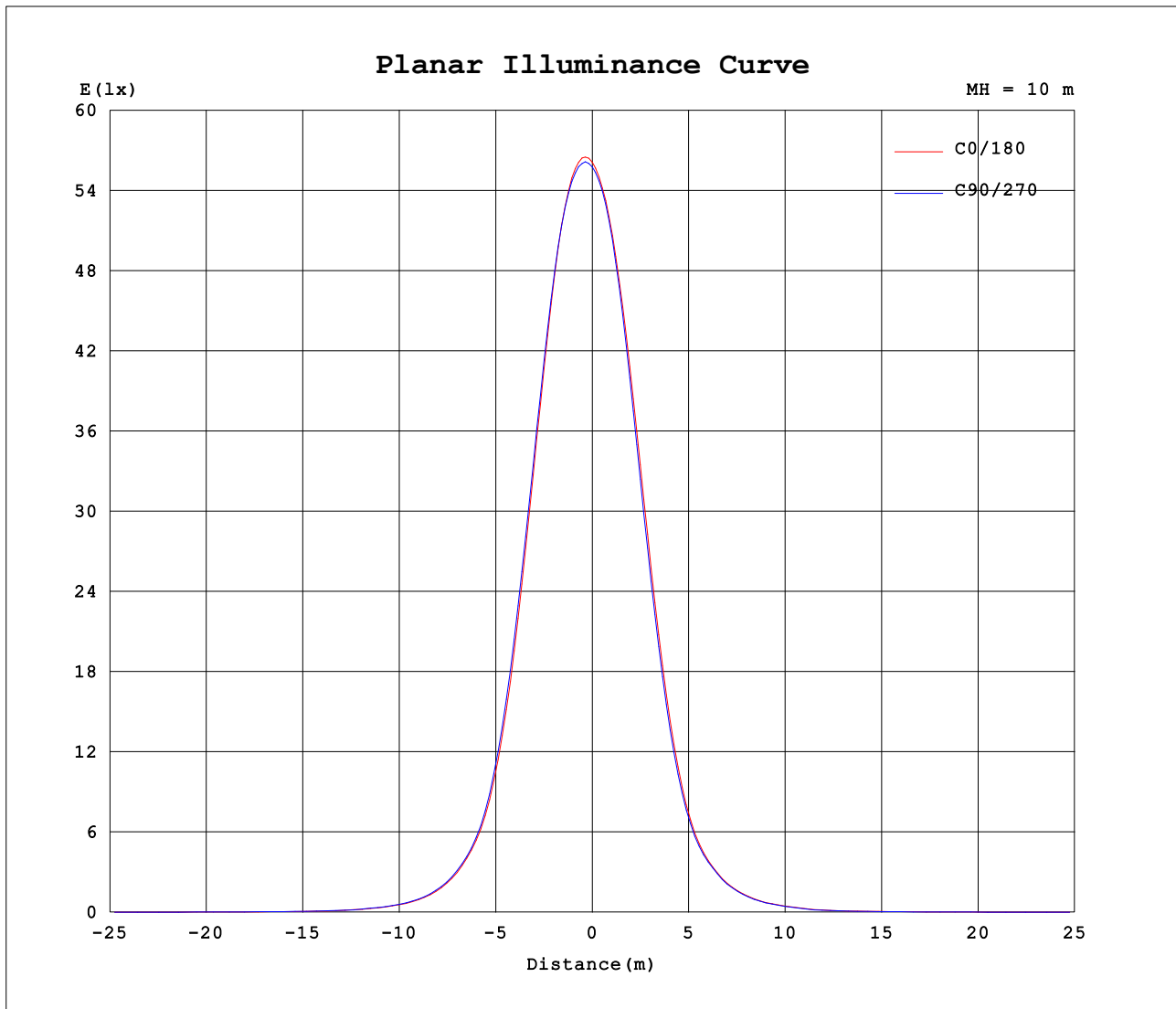
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 713   |
| L_0~180 (75) av  | 559   |
| L_0~180 (85) av  | 404   |
| L_90~270 (65) av | 712   |
| L_90~270 (75) av | 561   |
| L_90~270 (85) av | 413   |
| L_45 (65) av     | 716   |
| L_45 (75) av     | 565   |
| L_45 (85) av     | 411   |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2025-01-10

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:7.540m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2025-01-10

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.353  
Humidity: 65.0%  
Test Distance: 7.540m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                |            |                  |
|--------------------------------------------------------------------------------|------------|------------------|
| Test:U:120.8V I:0.2430A P:28.90W PF:0.9820 Freq:60.00Hz Lamp Flux:2808.94x1 lm |            |                  |
| NAME: 4寸筒灯 40度 30W                                                             | TYPE:5000K | WEIGHT:          |
| SPEC.:                                                                         | DIM.:      | SERIAL No.:      |
| MFR.: EVERFINE                                                                 | SUR.:      | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG)<br>γ (DEG) | 0    | 45   | 90   | 135   | 180  | 225  | 270  | 315  |  |  |  |  |  |  |  |  |  |  |
|--------------------|------|------|------|-------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|
| 0                  | 5588 | 5588 | 5588 | 5588  | 5588 | 5588 | 5588 | 5588 |  |  |  |  |  |  |  |  |  |  |
| 5                  | 5605 | 5671 | 5608 | 5499  | 5242 | 5191 | 5247 | 5346 |  |  |  |  |  |  |  |  |  |  |
| 10                 | 5180 | 5327 | 5226 | 5042  | 4498 | 4380 | 4448 | 4611 |  |  |  |  |  |  |  |  |  |  |
| 15                 | 4210 | 4414 | 4313 | 4131  | 3412 | 3248 | 3315 | 3482 |  |  |  |  |  |  |  |  |  |  |
| 20                 | 2948 | 3167 | 3080 | 2933  | 2215 | 2085 | 2129 | 2241 |  |  |  |  |  |  |  |  |  |  |
| 25                 | 1769 | 1946 | 1870 | 1766  | 1255 | 1174 | 1202 | 1252 |  |  |  |  |  |  |  |  |  |  |
| 30                 | 959  | 1065 | 1003 | 953   | 685  | 659  | 668  | 697  |  |  |  |  |  |  |  |  |  |  |
| 35                 | 542  | 599  | 572  | 544   | 393  | 374  | 387  | 393  |  |  |  |  |  |  |  |  |  |  |
| 40                 | 294  | 328  | 310  | 305   | 224  | 213  | 217  | 214  |  |  |  |  |  |  |  |  |  |  |
| 45                 | 161  | 177  | 171  | 172   | 131  | 127  | 125  | 123  |  |  |  |  |  |  |  |  |  |  |
| 50                 | 89.2 | 99.4 | 98.5 | 100.0 | 65.9 | 67.6 | 62.9 | 66.2 |  |  |  |  |  |  |  |  |  |  |
| 55                 | 47.9 | 50.9 | 52.1 | 51.4  | 41.2 | 39.4 | 38.5 | 39.0 |  |  |  |  |  |  |  |  |  |  |
| 60                 | 33.6 | 35.0 | 35.5 | 35.6  | 32.3 | 30.9 | 30.2 | 30.2 |  |  |  |  |  |  |  |  |  |  |
| 65                 | 26.3 | 27.7 | 28.2 | 28.4  | 24.3 | 23.1 | 22.4 | 22.4 |  |  |  |  |  |  |  |  |  |  |
| 70                 | 19.1 | 20.2 | 20.4 | 20.7  | 17.2 | 16.3 | 15.8 | 15.8 |  |  |  |  |  |  |  |  |  |  |
| 75                 | 13.1 | 13.9 | 14.0 | 14.2  | 11.3 | 10.7 | 10.3 | 10.3 |  |  |  |  |  |  |  |  |  |  |
| 80                 | 7.95 | 8.53 | 8.59 | 8.67  | 6.31 | 5.96 | 5.77 | 5.73 |  |  |  |  |  |  |  |  |  |  |
| 85                 | 3.70 | 3.97 | 4.01 | 4.06  | 2.21 | 2.04 | 2.04 | 1.96 |  |  |  |  |  |  |  |  |  |  |
| 90                 | 0.24 | 0.30 | 0.22 | 0.31  | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |
| 95                 | 0.04 | 0.03 | 0.03 | 0.03  | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |
| 100                | 0.07 | 0.05 | 0.05 | 0.06  | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |
| 105                | 0.09 | 0.08 | 0.08 | 0.08  | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |
| 110                | 0.13 | 0.11 | 0.11 | 0.12  | 0.01 | 0.01 | 0.00 | 0.01 |  |  |  |  |  |  |  |  |  |  |
| 115                | 0.24 | 0.20 | 0.20 | 0.21  | 0.02 | 0.03 | 0.05 | 0.05 |  |  |  |  |  |  |  |  |  |  |
| 120                | 0.42 | 0.38 | 0.37 | 0.39  | 0.07 | 0.09 | 0.10 | 0.09 |  |  |  |  |  |  |  |  |  |  |
| 125                | 0.75 | 0.66 | 0.66 | 0.70  | 0.14 | 0.17 | 0.20 | 0.19 |  |  |  |  |  |  |  |  |  |  |
| 130                | 1.25 | 1.13 | 1.14 | 1.25  | 0.26 | 0.31 | 0.35 | 0.33 |  |  |  |  |  |  |  |  |  |  |
| 135                | 2.11 | 1.89 | 1.92 | 2.14  | 0.47 | 0.57 | 0.61 | 0.58 |  |  |  |  |  |  |  |  |  |  |
| 140                | 3.62 | 3.22 | 3.28 | 3.70  | 0.79 | 0.93 | 1.00 | 0.95 |  |  |  |  |  |  |  |  |  |  |
| 145                | 5.98 | 5.41 | 5.57 | 6.27  | 1.24 | 1.43 | 1.51 | 1.45 |  |  |  |  |  |  |  |  |  |  |
| 150                | 8.78 | 8.32 | 8.49 | 9.65  | 1.87 | 2.12 | 2.19 | 2.14 |  |  |  |  |  |  |  |  |  |  |
| 155                | 11.5 | 11.4 | 11.4 | 13.0  | 2.79 | 3.12 | 3.24 | 3.11 |  |  |  |  |  |  |  |  |  |  |
| 160                | 13.6 | 13.9 | 14.1 | 15.7  | 3.77 | 4.26 | 4.43 | 4.19 |  |  |  |  |  |  |  |  |  |  |
| 165                | 14.7 | 15.6 | 15.8 | 16.8  | 4.90 | 5.57 | 5.78 | 5.46 |  |  |  |  |  |  |  |  |  |  |
| 170                | 14.7 | 16.1 | 16.4 | 16.7  | 6.43 | 7.45 | 7.83 | 7.36 |  |  |  |  |  |  |  |  |  |  |
| 175                | 13.5 | 15.2 | 15.6 | 15.4  | 8.66 | 10.2 | 10.6 | 10.1 |  |  |  |  |  |  |  |  |  |  |
| 180                | 11.3 | 13.0 | 13.5 | 13.0  | 11.3 | 13.0 | 13.5 | 13.0 |  |  |  |  |  |  |  |  |  |  |

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2025-01-10

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.353  
 Humidity:65.0%  
 Test Distance:7.540m [K=1.0000]  
 Remarks: