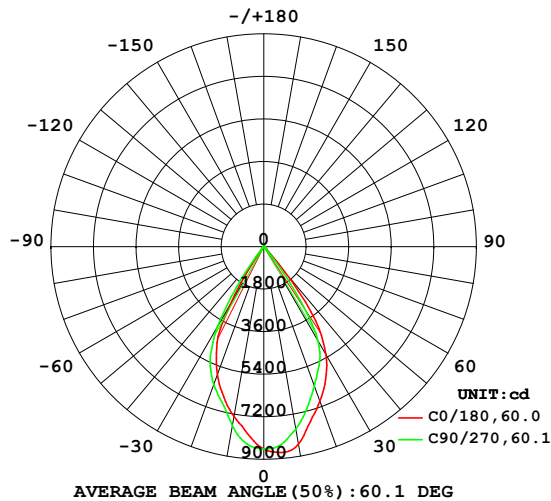


## LUMINAIRE PHOTOMETRIC TEST REPORT

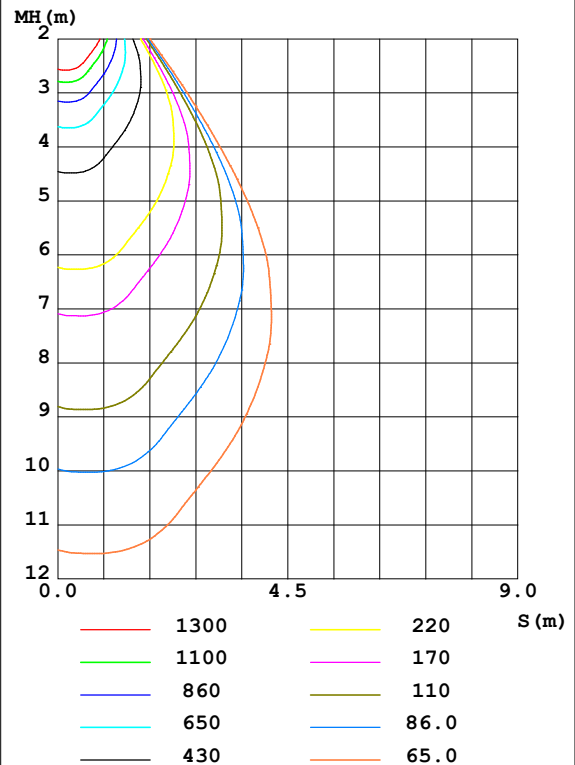
|                                                                                |                  |                  |
|--------------------------------------------------------------------------------|------------------|------------------|
| Test:U:119.9V I:0.5690A P:67.80W PF:0.9940 Freq:50.00Hz Lamp Flux:6790.1lx1 lm |                  |                  |
| NAME: 8寸明装筒灯                                                                   | TYPE:4000K       | WEIGHT:          |
| SPEC.:                                                                         | DIM.:            | SERIAL No.:      |
| MFR.: EVERFINE                                                                 | SUR.:0.091*0.091 | Shielding Angle: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA Eff: 100.15 lm/W |        |                   |          |
|------------------|---------|-----------------------------------|--------|-------------------|----------|
| MODEL            | 60度     | I <sub>max</sub> (cd)             | 8743   | S/MH(C0/180)      | 0.99     |
| NOMINAL POWER(W) | 70      | LOR(%)                            | 100.0  | S/MH(C90/270)     | 0.86     |
| RATED VOLTAGE(V) | 120     | TOTAL FLUX(lm)                    | 6790.1 | η UP,DN(C0-180)   | 0.1,54.6 |
| NOMINAL FLUX(lm) | 6790.11 | CIE CLASS                         | DIRECT | η UP,DN(C180-360) | 0.1,45.2 |
| LAMPS INSIDE     | 1       | η up(%)                           | 0.2    | CIBSE SHR NOM     | 0.75     |
| TEST VOLTAGE(V)  | 120     | η down(%)                         | 99.8   | CIBSE SHR MAX     | 0.90     |

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:2025-03-04

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:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

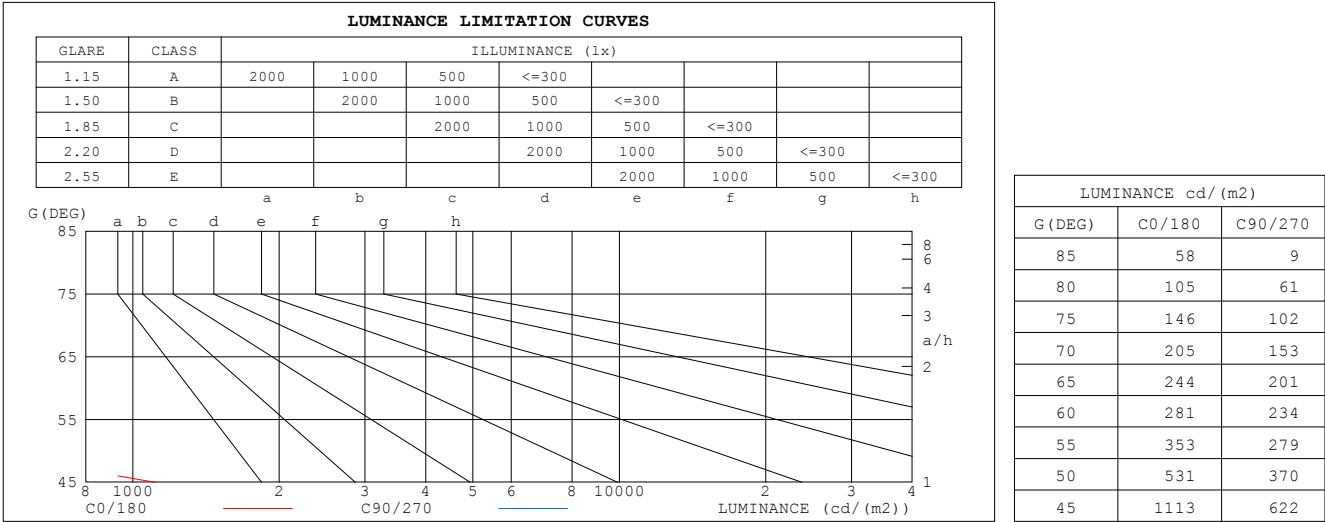
| $\gamma$ | C0                    | C45    | C90    | C135   | C180   | C225   | C270   | C315   | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------------|
| 10       | 8482                  | 8293   | 7836   | 7549   | 7291   | 7516   | 7690   | 8011   | 0- 10    | 781.2       | 781.2        | 11.5,11.5  |
| 20       | 6960                  | 6673   | 6267   | 6061   | 5751   | 5817   | 6207   | 6440   | 10- 20   | 1972        | 2753         | 40.5,40.5  |
| 30       | 5257                  | 5158   | 4597   | 3955   | 2940   | 3200   | 3956   | 4601   | 20- 30   | 2472        | 5225         | 76.9,76.9  |
| 40       | 1385                  | 1064   | 455.6  | 293.8  | 171.4  | 181.1  | 288.0  | 566.3  | 30- 40   | 1328        | 6552         | 96.5,96.5  |
| 50       | 106.1                 | 96.52  | 73.70  | 66.33  | 53.58  | 58.48  | 68.09  | 80.18  | 40- 50   | 144.6       | 6697         | 98.6,98.6  |
| 60       | 43.74                 | 41.67  | 36.24  | 33.86  | 29.01  | 31.36  | 35.46  | 38.07  | 50- 60   | 46.24       | 6743         | 99.3,99.3  |
| 70       | 21.78                 | 20.61  | 16.19  | 13.00  | 9.663  | 10.76  | 13.99  | 16.88  | 60- 70   | 25.34       | 6769         | 99.7,99.7  |
| 80       | 5.676                 | 5.118  | 3.307  | 2.153  | 0.6433 | 1.044  | 2.263  | 3.399  | 70- 80   | 8.633       | 6777         | 99.8,99.8  |
| 90       | 0.0002                | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 80- 90   | 0.8500      | 6778         | 99.8,99.8  |
| 100      | 0.0048                | 0.0073 | 0.0217 | 0.0121 | 0      | 0      | 0      | 0      | 90-100   | 0.0010      | 6778         | 99.8,99.8  |
| 110      | 0.0316                | 0.0317 | 0.0483 | 0.0481 | 0.0000 | 0      | 0      | 0      | 100-110  | 0.0133      | 6778         | 99.8,99.8  |
| 120      | 0.0945                | 0.1023 | 0.1330 | 0.1855 | 0.0925 | 0.0607 | 0.0195 | 0.0144 | 110-120  | 0.0406      | 6778         | 99.8,99.8  |
| 130      | 0.7476                | 1.031  | 1.855  | 2.495  | 0.7906 | 0.6636 | 0.4370 | 0.3552 | 120-130  | 0.3420      | 6779         | 99.8,99.8  |
| 140      | 4.898                 | 5.348  | 5.996  | 6.426  | 2.173  | 1.848  | 1.522  | 1.415  | 130-140  | 1.826       | 6780         | 99.9,99.9  |
| 150      | 7.898                 | 8.214  | 8.295  | 9.104  | 3.809  | 3.316  | 2.997  | 2.778  | 140-150  | 2.979       | 6783         | 99.9,99.9  |
| 160      | 10.37                 | 10.58  | 10.36  | 11.05  | 6.066  | 5.388  | 4.626  | 4.292  | 150-160  | 3.114       | 6786         | 99.9,99.9  |
| 170      | 12.15                 | 11.99  | 11.59  | 11.90  | 10.33  | 9.873  | 8.722  | 8.254  | 160-170  | 2.577       | 6789         | 100,100    |
| 180      | 12.20                 | 11.65  | 11.01  | 11.00  | 12.13  | 11.64  | 10.99  | 10.86  | 170-180  | 1.054       | 6790         | 100,100    |
| DEG      | LUMINOUS INTENSITY:cd |        |        |        |        |        |        |        |          | UNIT:lm     |              |            |

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2025-03-04

$\gamma$  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:119.9V I:0.5690A P:67.80W PF:0.9940 Freq:50.00Hz Lamp Flux:6790.11x1 lm |                  |                  |
| NAME: 8寸明装筒灯                                                                   | TYPE:4000K       | WEIGHT:          |
| SPEC.:                                                                         | DIM.:            | SERIAL No.:      |
| MFR.: EVERFINE                                                                 | SUR.:0.091*0.091 | Shielding Angle: |



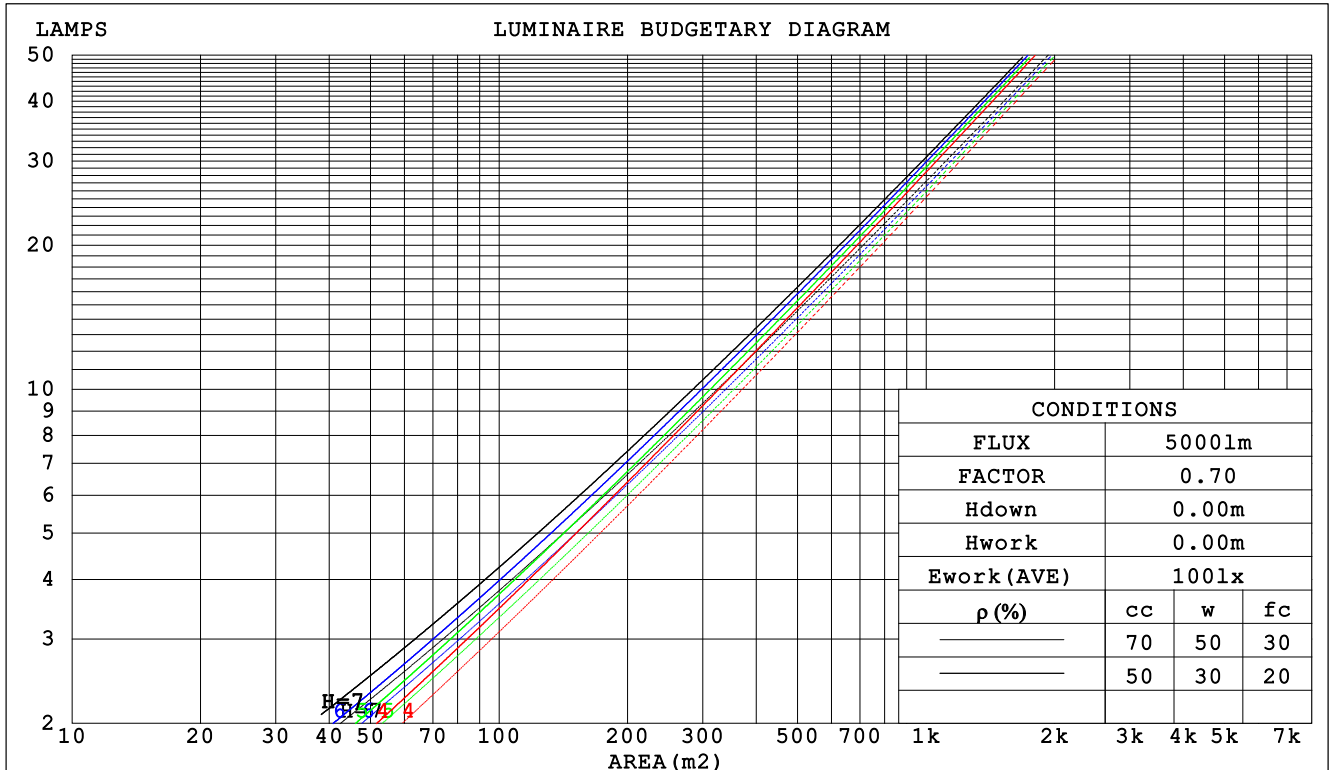
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2025-03-04

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:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                                |                  |                  |
|--------------------------------------------------------------------------------|------------------|------------------|
| Test:U:119.9V I:0.5690A P:67.80W PF:0.9940 Freq:50.00Hz Lamp Flux:6790.11x1 lm |                  |                  |
| NAME: 8寸明装筒灯                                                                   | TYPE:4000K       | WEIGHT:          |
| SPEC.:                                                                         | DIM.:            | SERIAL No.:      |
| MFR.: EVERFINE                                                                 | SUR.:0.091*0.091 | Shielding Angle: |

| $\rho_{cc}$           | 80%                             |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0   |
|-----------------------|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| $\rho_w$              | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0   |
| $\rho_{fc}$           | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0   |
| RCR                   | Coefficients of Utilization(CU) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |
| RCR:Room Cavity Ratio |                                 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |
| 0.0                   | 1.19                            | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | .00 |
| 1.0                   | 1.11                            | 1.09 | 1.06 | 1.09 | 1.07 | 1.05 | 1.05 | 1.03 | 1.01 | 1.01 | .00  | .98  | .98  | .97  | .96  | .94 |
| 2.0                   | 1.04                            | .00  | .96  | 1.02 | .98  | .95  | .99  | .96  | .93  | .96  | .93  | .91  | .93  | .91  | .89  | .88 |
| 3.0                   | .97                             | .92  | .88  | .96  | .91  | .88  | .93  | .89  | .86  | .91  | .87  | .85  | .88  | .86  | .84  | .82 |
| 4.0                   | .91                             | .86  | .82  | .90  | .85  | .81  | .88  | .83  | .80  | .86  | .82  | .79  | .84  | .81  | .78  | .77 |
| 5.0                   | .85                             | .80  | .76  | .85  | .79  | .75  | .83  | .78  | .75  | .81  | .77  | .74  | .80  | .76  | .73  | .72 |
| 6.0                   | .80                             | .75  | .71  | .80  | .74  | .70  | .78  | .73  | .70  | .77  | .73  | .69  | .75  | .72  | .69  | .68 |
| 7.0                   | .76                             | .70  | .66  | .75  | .70  | .66  | .74  | .69  | .66  | .73  | .68  | .65  | .72  | .68  | .65  | .63 |
| 8.0                   | .72                             | .66  | .62  | .71  | .66  | .62  | .70  | .65  | .62  | .69  | .65  | .61  | .68  | .64  | .61  | .60 |
| 9.0                   | .68                             | .62  | .58  | .67  | .62  | .58  | .66  | .62  | .58  | .66  | .61  | .58  | .65  | .61  | .58  | .56 |
| 10.0                  | .64                             | .59  | .55  | .64  | .59  | .55  | .63  | .58  | .55  | .62  | .58  | .55  | .62  | .58  | .55  | .53 |



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2025-03-04

$\gamma$  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:119.9V I:0.5690A P:67.80W PF:0.9940 Freq:50.00Hz Lamp Flux:6790.11x1 lm |                  |                  |
| NAME: 8寸明装筒灯                                                                   | TYPE:4000K       | WEIGHT:          |
| SPEC.:                                                                         | DIM.:            | SERIAL No.:      |
| MFR.: EVERFINE                                                                 | SUR.:0.091*0.091 | 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  | .172                  | .098 | .031 | .166 | .095 | .030 | .153                             | .088 | .028 | .141 | .082 | .026 | .131 | .076 | .024 |   |  |
| 2.0  | .165                  | .090 | .028 | .159 | .088 | .027 | .148                             | .083 | .026 | .139 | .078 | .024 | .129 | .073 | .023 |   |  |
| 3.0  | .157                  | .083 | .025 | .152 | .081 | .024 | .143                             | .077 | .024 | .134 | .074 | .023 | .127 | .070 | .022 |   |  |
| 4.0  | .149                  | .078 | .023 | .145 | .076 | .022 | .137                             | .073 | .022 | .130 | .070 | .021 | .123 | .067 | .020 |   |  |
| 5.0  | .142                  | .073 | .021 | .139 | .071 | .021 | .132                             | .069 | .020 | .126 | .066 | .020 | .120 | .064 | .019 |   |  |
| 6.0  | .136                  | .068 | .020 | .133 | .067 | .019 | .127                             | .065 | .019 | .121 | .063 | .019 | .116 | .061 | .018 |   |  |
| 7.0  | .130                  | .064 | .018 | .127 | .064 | .018 | .122                             | .062 | .018 | .117 | .060 | .017 | .113 | .058 | .017 |   |  |
| 8.0  | .125                  | .061 | .017 | .122 | .060 | .017 | .118                             | .059 | .017 | .113 | .057 | .017 | .109 | .056 | .016 |   |  |
| 9.0  | .120                  | .058 | .016 | .118 | .057 | .016 | .113                             | .056 | .016 | .109 | .055 | .016 | .106 | .054 | .016 |   |  |
| 10.0 | .115                  | .055 | .015 | .113 | .055 | .015 | .109                             | .054 | .015 | .106 | .052 | .015 | .102 | .051 | .015 |   |  |

| 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  | .192                  | .192 | .192 | .164 | .164 | .164 | .112                                       | .112 | .112 | .064 | .064 | .064 | .021 | .021 | .021 |   |
| 1.0  | .172                  | .159 | .147 | .147 | .136 | .126 | .101                                       | .094 | .087 | .058 | .054 | .051 | .019 | .017 | .016 |   |
| 2.0  | .157                  | .134 | .115 | .134 | .115 | .099 | .092                                       | .080 | .069 | .053 | .046 | .041 | .017 | .015 | .013 |   |
| 3.0  | .144                  | .115 | .092 | .123 | .099 | .079 | .085                                       | .069 | .056 | .049 | .040 | .033 | .016 | .013 | .011 |   |
| 4.0  | .134                  | .100 | .075 | .115 | .087 | .065 | .079                                       | .060 | .046 | .046 | .035 | .027 | .015 | .011 | .009 |   |
| 5.0  | .125                  | .088 | .062 | .107 | .077 | .054 | .074                                       | .053 | .038 | .043 | .031 | .022 | .014 | .010 | .007 |   |
| 6.0  | .117                  | .079 | .052 | .101 | .069 | .045 | .070                                       | .048 | .032 | .040 | .028 | .019 | .013 | .009 | .006 |   |
| 7.0  | .111                  | .072 | .044 | .095 | .062 | .038 | .066                                       | .043 | .027 | .038 | .026 | .016 | .012 | .008 | .005 |   |
| 8.0  | .105                  | .065 | .038 | .091 | .057 | .033 | .063                                       | .040 | .023 | .036 | .023 | .014 | .012 | .008 | .005 |   |
| 9.0  | .100                  | .060 | .033 | .086 | .052 | .029 | .060                                       | .037 | .020 | .035 | .022 | .012 | .011 | .007 | .004 |   |
| 10.0 | .096                  | .056 | .029 | .083 | .048 | .025 | .057                                       | .034 | .018 | .033 | .020 | .011 | .011 | .007 | .004 |   |

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2025-03-04

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:119.9V I:0.5690A P:67.80W PF:0.9940 Freq:50.00Hz Lamp Flux:6790.11x1 lm |                  |      |      |      |                  |                |      |                  |      |      |
| NAME: 8寸明装筒灯                                                                   |                  |      |      |      | TYPE:4000K       |                |      | WEIGHT:          |      |      |
| SPEC.:                                                                         |                  |      |      |      | DIM.:            |                |      | SERIAL No.:      |      |      |
| MFR.: EVERFINE                                                                 |                  |      |      |      | SUR.:0.091*0.091 |                |      | 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                                                                  | 13.5             | 14.4 | 13.7 | 14.5 | 14.7             | 12.2           | 13.1 | 12.4             | 13.3 | 13.4 |
| 3H                                                                             | 13.3             | 14.1 | 13.6 | 14.4 | 14.6             | 12.0           | 12.9 | 12.3             | 13.1 | 13.3 |
| 4H                                                                             | 13.2             | 14.0 | 13.5 | 14.2 | 14.5             | 11.9           | 12.7 | 12.2             | 13.0 | 13.2 |
| 6H                                                                             | 13.1             | 13.9 | 13.4 | 14.1 | 14.4             | 11.9           | 12.6 | 12.1             | 12.8 | 13.1 |
| 8H                                                                             | 13.1             | 13.8 | 13.4 | 14.1 | 14.3             | 11.8           | 12.5 | 12.1             | 12.8 | 13.0 |
| 12H                                                                            | 13.1             | 13.7 | 13.4 | 14.0 | 14.3             | 11.8           | 12.4 | 12.1             | 12.7 | 13.0 |
| 4H 2H                                                                          | 13.2             | 14.0 | 13.5 | 14.2 | 14.5             | 11.9           | 12.7 | 12.2             | 12.9 | 13.2 |
| 3H                                                                             | 13.1             | 13.7 | 13.4 | 14.0 | 14.3             | 11.8           | 12.5 | 12.1             | 12.7 | 13.0 |
| 4H                                                                             | 13.0             | 13.6 | 13.3 | 13.9 | 14.2             | 11.7           | 12.3 | 12.0             | 12.6 | 12.9 |
| 6H                                                                             | 12.9             | 13.4 | 13.3 | 13.8 | 14.1             | 11.6           | 12.1 | 12.0             | 12.5 | 12.8 |
| 8H                                                                             | 12.8             | 13.3 | 13.2 | 13.7 | 14.1             | 11.5           | 12.0 | 11.9             | 12.4 | 12.8 |
| 12H                                                                            | 12.8             | 13.2 | 13.2 | 13.6 | 14.0             | 11.5           | 12.0 | 11.9             | 12.3 | 12.7 |
| 8H 4H                                                                          | 12.8             | 13.3 | 13.2 | 13.7 | 14.1             | 11.5           | 12.0 | 11.9             | 12.4 | 12.8 |
| 6H                                                                             | 12.7             | 13.1 | 13.2 | 13.5 | 14.0             | 11.4           | 11.9 | 11.9             | 12.3 | 12.7 |
| 8H                                                                             | 12.7             | 13.0 | 13.1 | 13.5 | 13.9             | 11.4           | 11.8 | 11.8             | 12.2 | 12.6 |
| 12H                                                                            | 12.6             | 12.9 | 13.1 | 13.4 | 13.9             | 11.3           | 11.7 | 11.8             | 12.1 | 12.6 |
| 12H 4H                                                                         | 12.8             | 13.2 | 13.2 | 13.6 | 14.0             | 11.5           | 12.0 | 11.9             | 12.3 | 12.7 |
| 6H                                                                             | 12.7             | 13.0 | 13.1 | 13.5 | 13.9             | 11.4           | 11.8 | 11.8             | 12.2 | 12.6 |
| 8H                                                                             | 12.6             | 12.9 | 13.1 | 13.4 | 13.9             | 11.3           | 11.7 | 11.8             | 12.1 | 12.6 |
| Variations with the observer position at spacings:                             |                  |      |      |      |                  |                |      |                  |      |      |
| S = 1.0H                                                                       | + 4.5 / -12.6    |      |      |      |                  | + 3.5 / - 9.6  |      |                  |      |      |
| 1.5H                                                                           | + 7.2 / -11.6    |      |      |      |                  | + 6.2 / - 8.6  |      |                  |      |      |
| 2.0H                                                                           | + 4.8 / - 2.2    |      |      |      |                  | + 3.1 / - 1.7  |      |                  |      |      |

CIE Pub.117 Corrected 6790 lm Total Lamp Luminous Flux.(8log(F/F0) = 6.7)

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2025-03-04

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:119.9V I:0.5690A P:67.80W PF:0.9940 Freq:50.00Hz Lamp Flux:6790.11x1 lm |                  |                  |
| NAME: 8寸明装筒灯                                                                   | TYPE:4000K       | WEIGHT:          |
| SPEC.:                                                                         | DIM.:            | SERIAL No.:      |
| MFR.: EVERFINE                                                                 | SUR.:0.091*0.091 | Shielding Angle: |

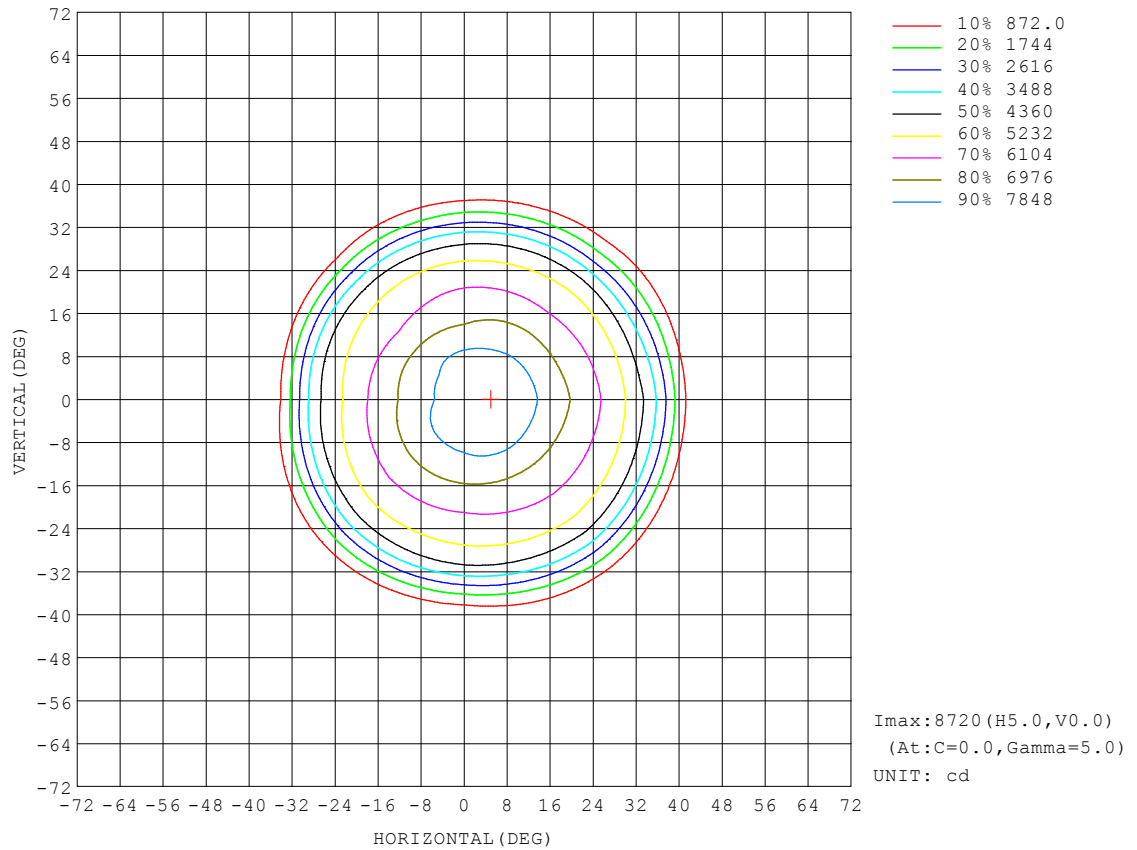
| REFLECTANCE                      |                                                      |     |           |     |     |     |     |               |     |        |
|----------------------------------|------------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 89                                                   | 83  | 80        | 89  | 83  | 80  | 88  | 83            | 80  | 76     |
| 0.80                             | 97                                                   | 91  | 88        | 96  | 91  | 87  | 95  | 90            | 87  | 84     |
| 1.00                             | 101                                                  | 95  | 92        | 100 | 95  | 92  | 98  | 95            | 91  | 87     |
| 1.25                             | 104                                                  | 99  | 96        | 103 | 99  | 96  | 101 | 98            | 95  | 91     |
| 1.50                             | 107                                                  | 102 | 99        | 106 | 102 | 99  | 103 | 100           | 98  | 93     |
| 2.00                             | 109                                                  | 105 | 102       | 108 | 104 | 102 | 105 | 102           | 100 | 95     |
| 2.50                             | 111                                                  | 107 | 104       | 109 | 106 | 103 | 106 | 104           | 102 | 96     |
| 3.00                             | 112                                                  | 109 | 106       | 110 | 108 | 105 | 107 | 105           | 103 | 97     |
| 4.00                             | 114                                                  | 112 | 110       | 112 | 110 | 108 | 109 | 107           | 105 | 98     |
| 5.00                             | 115                                                  | 113 | 112       | 113 | 111 | 110 | 109 | 108           | 107 | 99     |
| 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:2025-03-04

$\gamma$  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:119.9V I:0.5690A P:67.80W PF:0.9940 Freq:50.00Hz Lamp Flux:6790.11x1 lm |                  |                  |
| NAME: 8寸明装筒灯                                                                   | TYPE:4000K       | WEIGHT:          |
| SPEC.:                                                                         | DIM.:            | SERIAL No.:      |
| MFR.: EVERFINE                                                                 | SUR.:0.091*0.091 | Shielding Angle: |

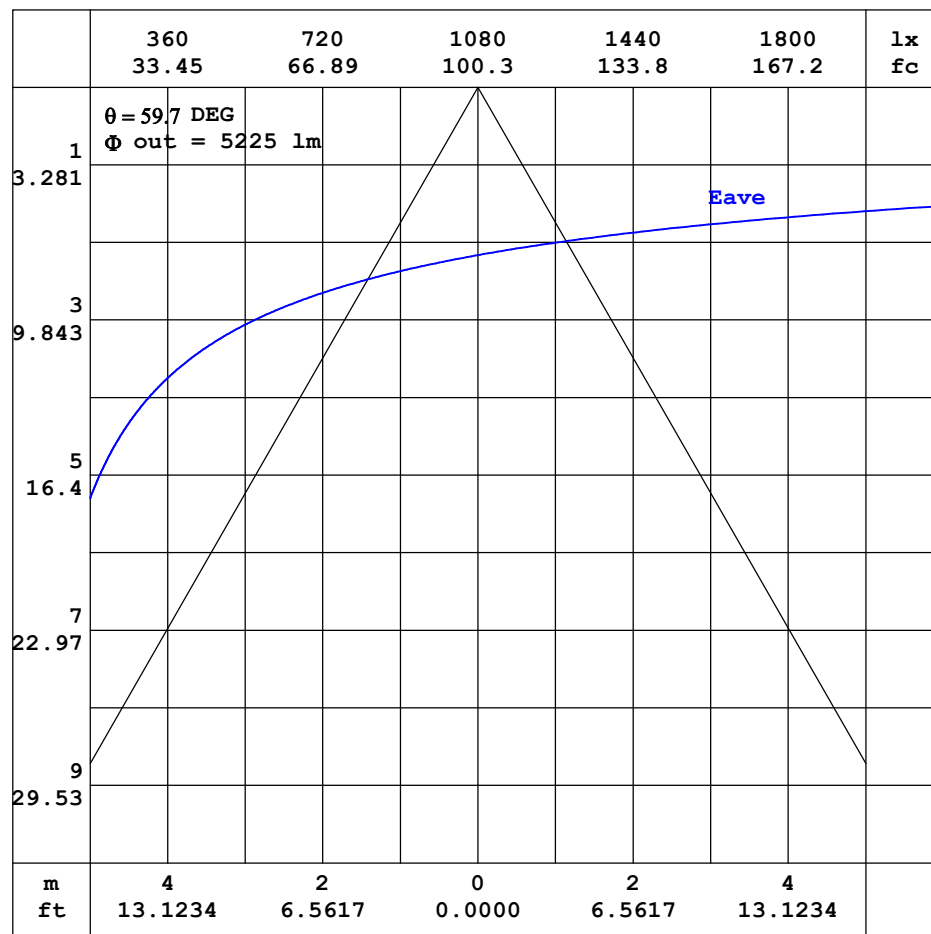


C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2025-03-04

$\gamma$  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:119.9V I:0.5690A P:67.80W PF:0.9940 Freq:50.00Hz Lamp Flux:6790.11x1 lm |                  |                  |
| NAME: 8寸明装筒灯                                                                   | TYPE:4000K       | WEIGHT:          |
| SPEC.:                                                                         | DIM.:            | SERIAL No.:      |
| MFR.: EVERFINE                                                                 | SUR.:0.091*0.091 | Shielding Angle: |



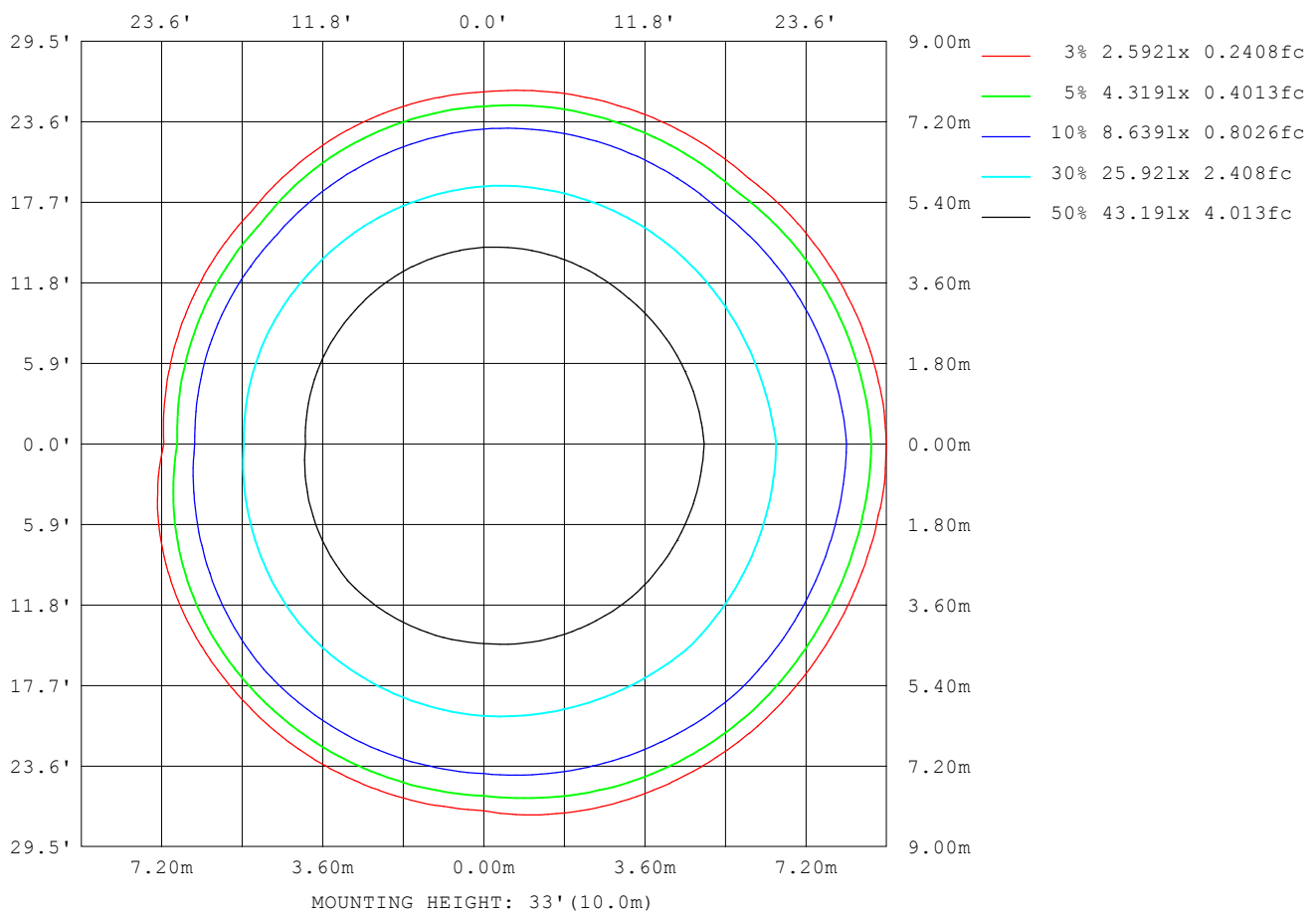
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2025-03-04

$\gamma$  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:

## ISOLUX DIAGRAM

|                                                                                |                  |                  |
|--------------------------------------------------------------------------------|------------------|------------------|
| Test:U:119.9V I:0.5690A P:67.80W PF:0.9940 Freq:50.00Hz Lamp Flux:6790.11x1 lm |                  |                  |
| NAME: 8寸明装筒灯                                                                   | TYPE:4000K       | WEIGHT:          |
| SPEC.:                                                                         | DIM.:            | SERIAL No.:      |
| MFR.: EVERFINE                                                                 | SUR.:0.091*0.091 | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2025-03-04

$\gamma$  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:

## LED Avg.L Report

|                                                                                |                  |                  |
|--------------------------------------------------------------------------------|------------------|------------------|
| Test:U:119.9V I:0.5690A P:67.80W PF:0.9940 Freq:50.00Hz Lamp Flux:6790.11x1 lm |                  |                  |
| NAME: 8寸明装筒灯                                                                   | TYPE:4000K       | WEIGHT:          |
| SPEC.:                                                                         | DIM.:            | SERIAL No.:      |
| MFR.: EVERFINE                                                                 | SUR.:0.091*0.091 | Shielding Angle: |

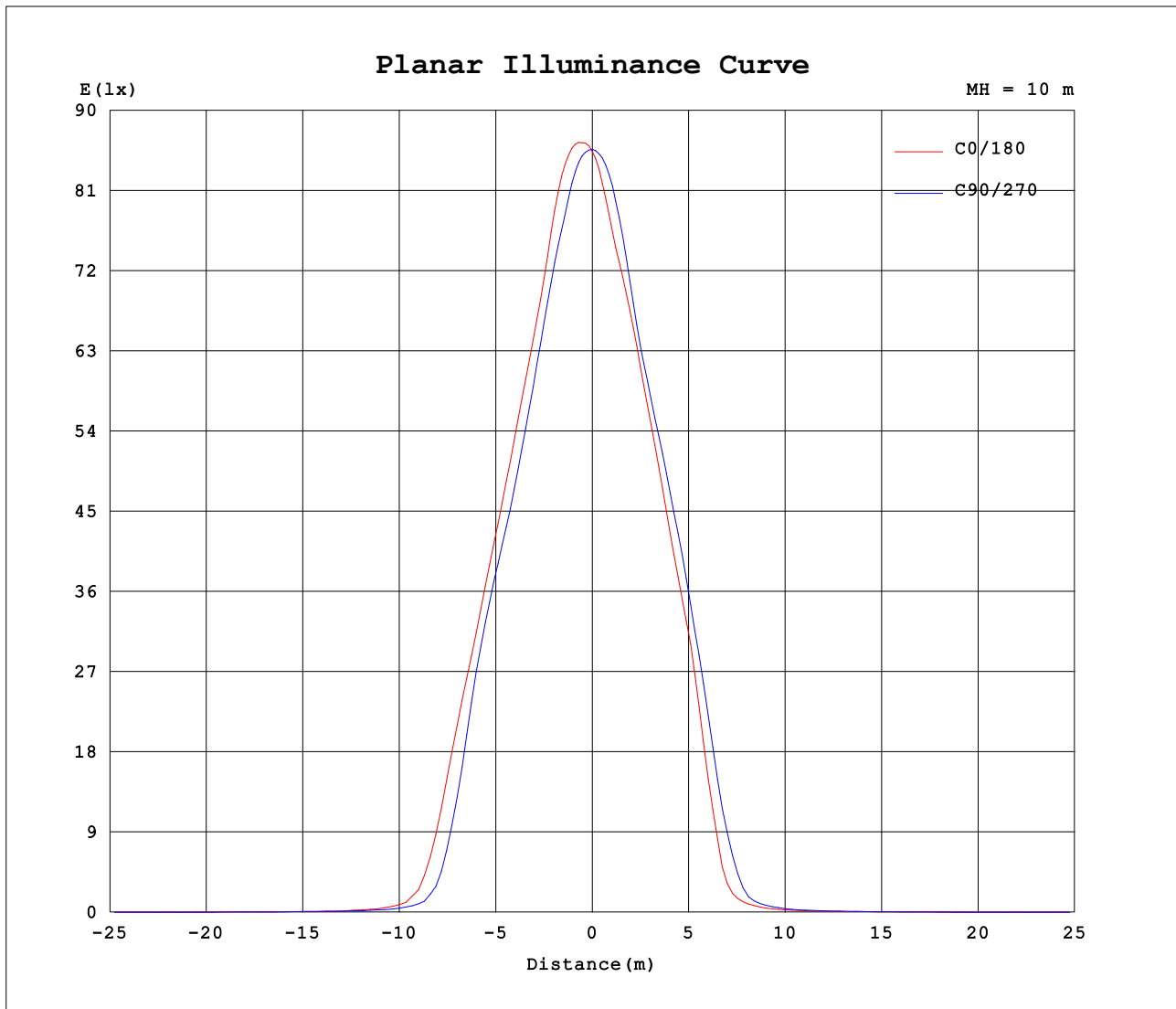
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 194   |
| L_0~180 (75) av  | 99    |
| L_0~180 (85) av  | 29    |
| L_90~270 (65) av | 197   |
| L_90~270 (75) av | 94    |
| L_90~270 (85) av | 4     |
| L_45 (65) av     | 196   |
| L_45 (75) av     | 96    |
| L_45 (85) av     | 13    |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2025-03-04

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: 2025-03-04

$\gamma$  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:119.9V I:0.5690A P:67.80W PF:0.9940 Freq:50.00Hz Lamp Flux:6790.11x1 lm |  |  |  |  |                  |  |  |                  |
| NAME: 8寸明装筒灯                                                                   |  |  |  |  | TYPE:4000K       |  |  | WEIGHT:          |
| SPEC.:                                                                         |  |  |  |  | DIM.:            |  |  | SERIAL No.:      |
| MFR.: EVERFINE                                                                 |  |  |  |  | SUR.:0.091*0.091 |  |  | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG)<br>γ (DEG) | 0    | 45   | 90   | 135  | 180  | 225  | 270  | 315  |  |  |  |  |  |  |  |  |  |  |
|--------------------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|
| 0                  | 8559 | 8559 | 8559 | 8559 | 8559 | 8559 | 8559 | 8559 |  |  |  |  |  |  |  |  |  |  |
| 5                  | 8743 | 8613 | 8410 | 8201 | 7942 | 8051 | 8377 | 8510 |  |  |  |  |  |  |  |  |  |  |
| 10                 | 8482 | 8293 | 7836 | 7549 | 7291 | 7516 | 7690 | 8011 |  |  |  |  |  |  |  |  |  |  |
| 15                 | 7652 | 7393 | 7080 | 6832 | 6574 | 6548 | 6833 | 7305 |  |  |  |  |  |  |  |  |  |  |
| 20                 | 6960 | 6673 | 6267 | 6061 | 5751 | 5817 | 6207 | 6440 |  |  |  |  |  |  |  |  |  |  |
| 25                 | 6199 | 5972 | 5544 | 5251 | 4737 | 5032 | 5395 | 5660 |  |  |  |  |  |  |  |  |  |  |
| 30                 | 5257 | 5158 | 4597 | 3955 | 2940 | 3200 | 3956 | 4601 |  |  |  |  |  |  |  |  |  |  |
| 35                 | 3829 | 3517 | 2354 | 1626 | 596  | 788  | 1634 | 2362 |  |  |  |  |  |  |  |  |  |  |
| 40                 | 1385 | 1064 | 456  | 294  | 171  | 181  | 288  | 566  |  |  |  |  |  |  |  |  |  |  |
| 45                 | 245  | 214  | 136  | 115  | 82.1 | 89.8 | 117  | 157  |  |  |  |  |  |  |  |  |  |  |
| 50                 | 106  | 96.5 | 73.7 | 66.3 | 53.6 | 58.5 | 68.1 | 80.2 |  |  |  |  |  |  |  |  |  |  |
| 55                 | 62.9 | 59.2 | 49.6 | 45.7 | 39.3 | 42.6 | 48.2 | 52.6 |  |  |  |  |  |  |  |  |  |  |
| 60                 | 43.7 | 41.7 | 36.2 | 33.9 | 29.0 | 31.4 | 35.5 | 38.1 |  |  |  |  |  |  |  |  |  |  |
| 65                 | 32.0 | 30.3 | 26.3 | 23.7 | 18.9 | 21.3 | 25.4 | 27.6 |  |  |  |  |  |  |  |  |  |  |
| 70                 | 21.8 | 20.6 | 16.2 | 13.0 | 9.66 | 10.8 | 14.0 | 16.9 |  |  |  |  |  |  |  |  |  |  |
| 75                 | 11.7 | 10.8 | 8.18 | 6.57 | 4.22 | 4.90 | 6.96 | 8.46 |  |  |  |  |  |  |  |  |  |  |
| 80                 | 5.68 | 5.12 | 3.31 | 2.15 | 0.64 | 1.04 | 2.26 | 3.40 |  |  |  |  |  |  |  |  |  |  |
| 85                 | 1.56 | 1.18 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.27 |  |  |  |  |  |  |  |  |  |  |
| 90                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |
| 95                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |
| 100                | 0.00 | 0.01 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |
| 105                | 0.02 | 0.02 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |
| 110                | 0.03 | 0.03 | 0.05 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |
| 115                | 0.06 | 0.05 | 0.07 | 0.08 | 0.01 | 0.01 | 0.00 | 0.00 |  |  |  |  |  |  |  |  |  |  |
| 120                | 0.09 | 0.10 | 0.13 | 0.19 | 0.09 | 0.06 | 0.02 | 0.01 |  |  |  |  |  |  |  |  |  |  |
| 125                | 0.19 | 0.24 | 0.40 | 0.69 | 0.33 | 0.27 | 0.14 | 0.10 |  |  |  |  |  |  |  |  |  |  |
| 130                | 0.75 | 1.03 | 1.85 | 2.50 | 0.79 | 0.66 | 0.44 | 0.36 |  |  |  |  |  |  |  |  |  |  |
| 135                | 2.78 | 3.28 | 4.09 | 4.79 | 1.42 | 1.22 | 0.92 | 0.81 |  |  |  |  |  |  |  |  |  |  |
| 140                | 4.90 | 5.35 | 6.00 | 6.43 | 2.17 | 1.85 | 1.52 | 1.41 |  |  |  |  |  |  |  |  |  |  |
| 145                | 6.54 | 6.83 | 7.32 | 7.81 | 3.01 | 2.54 | 2.24 | 2.08 |  |  |  |  |  |  |  |  |  |  |
| 150                | 7.90 | 8.21 | 8.29 | 9.10 | 3.81 | 3.32 | 3.00 | 2.78 |  |  |  |  |  |  |  |  |  |  |
| 155                | 9.13 | 9.46 | 9.45 | 10.2 | 4.62 | 4.11 | 3.76 | 3.51 |  |  |  |  |  |  |  |  |  |  |
| 160                | 10.4 | 10.6 | 10.4 | 11.1 | 6.07 | 5.39 | 4.63 | 4.29 |  |  |  |  |  |  |  |  |  |  |
| 165                | 11.3 | 11.5 | 11.1 | 11.6 | 8.45 | 7.86 | 6.48 | 5.83 |  |  |  |  |  |  |  |  |  |  |
| 170                | 12.1 | 12.0 | 11.6 | 11.9 | 10.3 | 9.87 | 8.72 | 8.25 |  |  |  |  |  |  |  |  |  |  |
| 175                | 12.5 | 12.0 | 11.4 | 11.6 | 11.5 | 11.0 | 10.1 | 9.94 |  |  |  |  |  |  |  |  |  |  |
| 180                | 12.2 | 11.6 | 11.0 | 11.0 | 12.1 | 11.6 | 11.0 | 10.9 |  |  |  |  |  |  |  |  |  |  |

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2025-03-04

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: