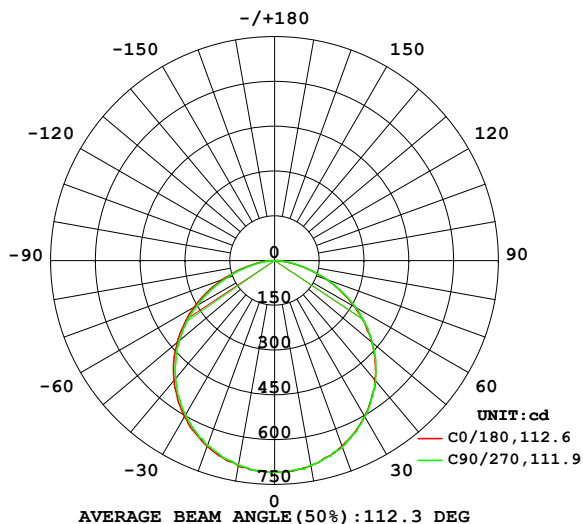


## LUMINAIRE PHOTOMETRIC TEST REPORT

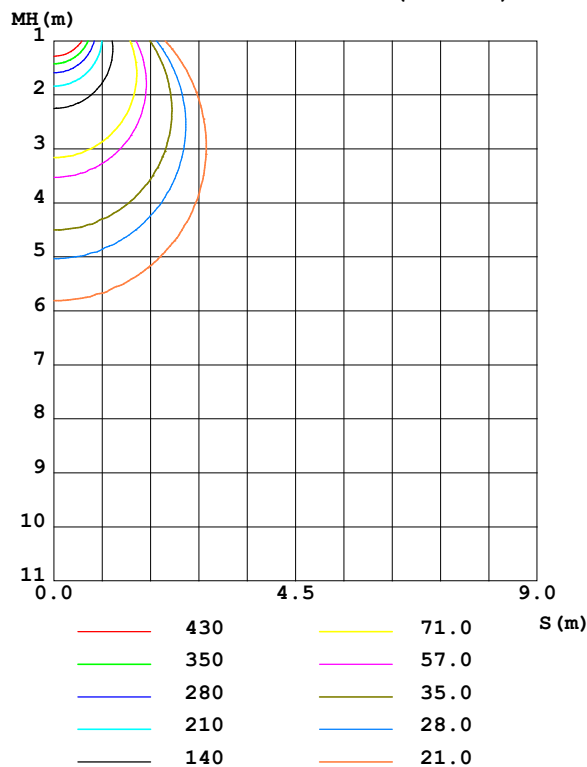
|                                                                                                                     |             |                            |
|---------------------------------------------------------------------------------------------------------------------|-------------|----------------------------|
| Test:U:240.26V I:0.0810A P:18.605W PF:0.9560 Freq:49.99Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1996.84x1 lm |             |                            |
| Name: OYS18W                                                                                                        | Type: 18W   | Weight:                    |
| SPEC.: 4000K                                                                                                        | DIM.:       | Instrument No.: HUP-IES-B3 |
| MFR.: EVERFINE                                                                                                      | SUR.: 0.135 | shielding angle:           |

| DATA OF LAMP     |         | PHOTOMETRIC DATA Eff: 107.33 lm/W |        |                        |          |
|------------------|---------|-----------------------------------|--------|------------------------|----------|
| MODEL            | OYS18W  | Imax (cd)                         | 712.3  | S/MH(C0/180)           | 1.26     |
| NOMINAL POWER(W) | 18      | LOR(%)                            | 100.0  | S/MH(C90/270)          | 1.27     |
| RATED VOLTAGE(V) | 240     | TOTAL FLUX(lm)                    | 1996.8 | $\eta$ UP,DN(C0-180)   | 0.0,49.6 |
| NOMINAL FLUX(lm) | 1996.84 | CIE CLASS                         | DIRECT | $\eta$ UP,DN(C180-360) | 0.0,50.4 |
| LAMPS INSIDE     | 1       | $\eta$ up (%)                     | 0.0    | CIBSE SHR NOM          | 1.25     |
| TEST VOLTAGE(V)  | 240     | $\eta$ down (%)                   | 100.0  | CIBSE SHR MAX          | 1.35     |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:Chen Songyu  
Test Date:2025-02-25

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:9.520m [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       | 699.3                 | 695.8  | 696.0  | 698.5  | 697.7 | 698.2 | 696.6 | 699.9 | 0- 10    | 67.16       | 67.16        | 3.36,3.36  |
| 20       | 661.6                 | 657.5  | 658.4  | 660.0  | 661.1 | 661.1 | 664.4 | 661.1 | 10- 20   | 192.5       | 259.6        | 13,13      |
| 30       | 605.4                 | 600.4  | 597.4  | 601.1  | 603.0 | 602.9 | 605.0 | 605.3 | 20- 30   | 292.3       | 551.9        | 27.6,27.6  |
| 40       | 524.5                 | 519.0  | 516.3  | 519.5  | 521.0 | 522.2 | 528.2 | 525.3 | 30- 40   | 353.2       | 905.1        | 45.3,45.3  |
| 50       | 425.2                 | 418.4  | 416.9  | 418.4  | 424.6 | 425.3 | 427.6 | 426.3 | 40- 50   | 366.0       | 1271         | 63.7,63.7  |
| 60       | 311.3                 | 300.4  | 298.9  | 299.0  | 311.3 | 305.6 | 313.0 | 309.0 | 50- 60   | 327.0       | 1598         | 80,80      |
| 70       | 184.6                 | 174.7  | 172.8  | 173.0  | 183.8 | 180.3 | 186.3 | 182.6 | 60- 70   | 240.4       | 1839         | 92.1,92.1  |
| 80       | 69.55                 | 63.96  | 60.04  | 62.96  | 68.24 | 68.32 | 69.74 | 70.38 | 70- 80   | 127.2       | 1966         | 98.4,98.4  |
| 90       | 1.370                 | 0.9767 | 0.9273 | 0.9302 | 1.073 | 1.575 | 1.728 | 1.968 | 80- 90   | 31.11       | 1997         | 100,100    |
| 100      |                       |        |        |        |       |       |       |       | 90-100   |             |              |            |
| 110      |                       |        |        |        |       |       |       |       | 100-110  |             |              |            |
| 120      |                       |        |        |        |       |       |       |       | 110-120  |             |              |            |
| 130      |                       |        |        |        |       |       |       |       | 120-130  |             |              |            |
| 140      |                       |        |        |        |       |       |       |       | 130-140  |             |              |            |
| 150      |                       |        |        |        |       |       |       |       | 140-150  |             |              |            |
| 160      |                       |        |        |        |       |       |       |       | 150-160  |             |              |            |
| 170      |                       |        |        |        |       |       |       |       | 160-170  |             |              |            |
| 180      |                       |        |        |        |       |       |       |       | 170-180  |             |              |            |
| DEG      | LUMINOUS INTENSITY:cd |        |        |        |       |       |       |       |          | UNIT:lm     |              |            |

Conical surface Flux(90deg): 1089.7 lm

%lum = 54.6%

%lamp = 54.6%

Conical surface Flux(120deg): 1598.2 lm

%lum = 80.0%

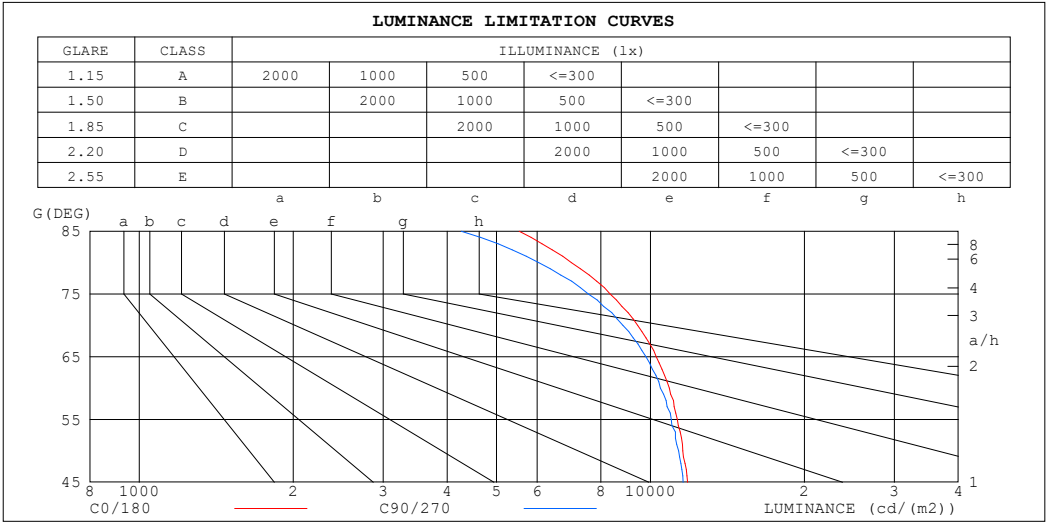
%lamp = 80.0%

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3℃  
 Operators:Chen Songyu  
 Test Date:2025-02-25

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.456  
 Humidity:65.0%  
 Test Distance:9.520m [K=1.0000]  
 Remarks:

LUMINANCE LIMITATION CURVES

|                                                           |             |                            |
|-----------------------------------------------------------|-------------|----------------------------|
| Test:U:240.26V I:0.0810A P:18.605W PF:0.9560 Freq:49.99Hz |             |                            |
| UTHDi:0.00% ITHDi:0.00% KDisp:0Lamp Flux:1996.84x1 lm     |             |                            |
| Name: OYS18W                                              | Type: 18W   | Weight:                    |
| SPEC.: 4000K                                              | DIM.:       | Instrument No.: HUP-IES-B3 |
| MFR.: EVERFINE                                            | SUR.: 0.135 | shielding angle:           |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 5535   | 4263    |
| 80                | 7002   | 6049    |
| 75                | 8342   | 7560    |
| 70                | 9434   | 8837    |
| 65                | 10265  | 9794    |
| 60                | 10883  | 10459   |
| 55                | 11279  | 10988   |
| 50                | 11564  | 11346   |
| 45                | 11822  | 11577   |

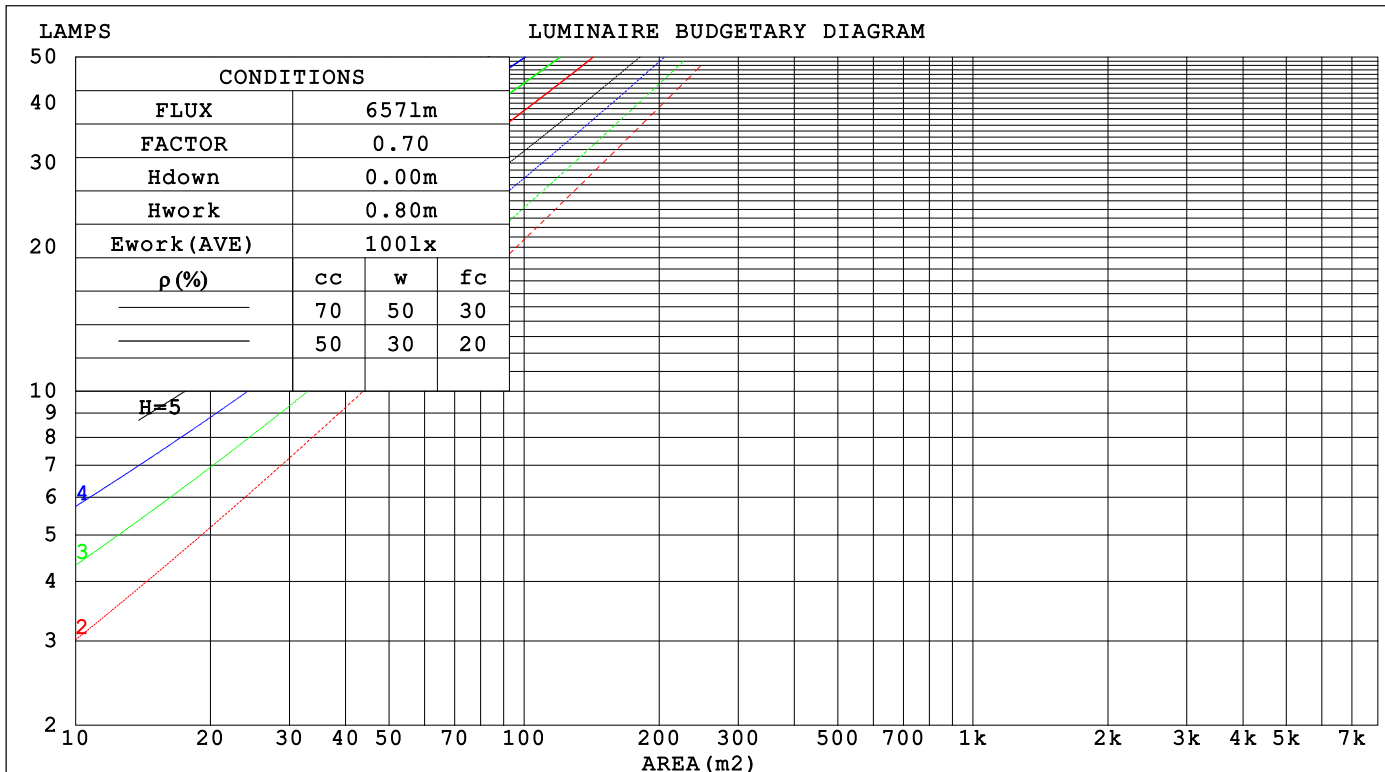
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:Chen Songyu  
Test Date:2025-02-25

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:9.520m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                           |             |                            |
|-----------------------------------------------------------|-------------|----------------------------|
| Test:U:240.26V I:0.0810A P:18.605W PF:0.9560 Freq:49.99Hz |             |                            |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1996.84x1 lm    |             |                            |
| Name: OYS18W                                              | Type: 18W   | Weight:                    |
| SPEC.: 4000K                                              | DIM.:       | Instrument No.: HUP-IES-B3 |
| MFR.: EVERFINE                                            | SUR.: 0.135 | shielding angle:           |

| pcc  | 80%                   |      |      | 70%                             |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0    |
|------|-----------------------|------|------|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| pw   | 50%                   | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0    |
| pfc  | 20%                   |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0    |
| RCR  | RCR:Room Cavity Ratio |      |      | Coefficients of Utilization(CU) |      |      |      |      |      |      |      |      |      |      |      |      |
| 0.0  | 1.19                  | 1.19 | 1.19 | 1.16                            | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 1.00 |
| 1.0  | 1.04                  | 1.00 | .96  | 1.02                            | .98  | .95  | .98  | .95  | .92  | .94  | .91  | .89  | .90  | .88  | .86  | .84  |
| 2.0  | .91                   | .84  | .79  | .89                             | .83  | .78  | .86  | .80  | .76  | .82  | .78  | .74  | .79  | .76  | .72  | .70  |
| 3.0  | .80                   | .72  | .65  | .78                             | .71  | .65  | .75  | .69  | .64  | .73  | .67  | .62  | .70  | .65  | .61  | .59  |
| 4.0  | .71                   | .62  | .55  | .69                             | .61  | .55  | .67  | .60  | .54  | .65  | .58  | .53  | .62  | .57  | .53  | .51  |
| 5.0  | .63                   | .54  | .48  | .62                             | .54  | .47  | .60  | .53  | .47  | .58  | .51  | .46  | .56  | .50  | .46  | .44  |
| 6.0  | .57                   | .48  | .42  | .56                             | .48  | .41  | .54  | .47  | .41  | .52  | .46  | .41  | .51  | .45  | .40  | .38  |
| 7.0  | .52                   | .43  | .37  | .51                             | .42  | .37  | .49  | .42  | .36  | .48  | .41  | .36  | .46  | .40  | .36  | .34  |
| 8.0  | .47                   | .39  | .33  | .46                             | .38  | .33  | .45  | .38  | .32  | .44  | .37  | .32  | .43  | .37  | .32  | .30  |
| 9.0  | .43                   | .35  | .29  | .43                             | .35  | .29  | .41  | .34  | .29  | .40  | .34  | .29  | .39  | .33  | .29  | .27  |
| 10.0 | .40                   | .32  | .27  | .39                             | .32  | .27  | .38  | .31  | .26  | .37  | .31  | .26  | .36  | .31  | .26  | .24  |



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:Chen Songyu  
Test Date:2025-02-25

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:9.520m [K=1.0000]  
Remarks:

### WEC AND CCEC

|                                                           |             |                            |
|-----------------------------------------------------------|-------------|----------------------------|
| Test:U:240.26V I:0.0810A P:18.605W PF:0.9560 Freq:49.99Hz |             |                            |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1996.84x1 lm    |             |                            |
| Name: OYS18W                                              | Type: 18W   | Weight:                    |
| SPEC.: 4000K                                              | DIM.:       | Instrument No.: HUP-IES-B3 |
| MFR.: EVERFINE                                            | SUR.: 0.135 | 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  | .303                  | .172 | .055 | .296 | .169 | .054 | .282                            | .162 | .052 | .270 | .156 | .050 | .259 | .150 | .048 |   |  |
| 2.0  | .287                  | .157 | .048 | .281 | .155 | .048 | .269                            | .150 | .046 | .258 | .145 | .045 | .248 | .140 | .044 |   |  |
| 3.0  | .267                  | .142 | .042 | .261 | .140 | .042 | .251                            | .136 | .041 | .241 | .132 | .041 | .232 | .129 | .040 |   |  |
| 4.0  | .247                  | .128 | .038 | .242 | .127 | .037 | .233                            | .123 | .037 | .224 | .120 | .036 | .216 | .118 | .036 |   |  |
| 5.0  | .228                  | .116 | .034 | .224 | .115 | .034 | .216                            | .113 | .033 | .209 | .110 | .033 | .201 | .108 | .032 |   |  |
| 6.0  | .212                  | .106 | .030 | .208 | .105 | .030 | .201                            | .103 | .030 | .194 | .101 | .030 | .188 | .099 | .029 |   |  |
| 7.0  | .198                  | .098 | .028 | .194 | .097 | .028 | .188                            | .095 | .027 | .182 | .093 | .027 | .176 | .092 | .027 |   |  |
| 8.0  | .185                  | .090 | .025 | .182 | .090 | .025 | .176                            | .088 | .025 | .171 | .086 | .025 | .165 | .085 | .025 |   |  |
| 9.0  | .173                  | .084 | .023 | .171 | .083 | .023 | .165                            | .082 | .023 | .161 | .080 | .023 | .156 | .079 | .023 |   |  |
| 10.0 | .163                  | .078 | .022 | .161 | .078 | .022 | .156                            | .076 | .022 | .151 | .075 | .021 | .147 | .074 | .021 |   |  |

| pcc  | 80%                   |      |      | 70%  |      |      | 50%                                         |      |      | 30%  |      |      | 10%  |      |      | 0 |  |
|------|-----------------------|------|------|------|------|------|---------------------------------------------|------|------|------|------|------|------|------|------|---|--|
| pw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                                         | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |  |
| pfc  | 20%                   |      |      | 20%  |      |      | 20%                                         |      |      | 20%  |      |      | 20%  |      |      | 0 |  |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Ceiling Cavity Exitance Coefficients (CCEC) |      |      |      |      |      |      |      |      |   |  |
| 0.0  | .190                  | .190 | .190 | .163 | .163 | .163 | .111                                        | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 |   |  |
| 1.0  | .180                  | .156 | .135 | .154 | .134 | .116 | .105                                        | .092 | .080 | .061 | .053 | .047 | .019 | .017 | .015 |   |  |
| 2.0  | .172                  | .132 | .099 | .147 | .114 | .085 | .101                                        | .079 | .059 | .058 | .046 | .035 | .019 | .015 | .011 |   |  |
| 3.0  | .164                  | .114 | .075 | .140 | .099 | .065 | .096                                        | .068 | .045 | .056 | .040 | .027 | .018 | .013 | .009 |   |  |
| 4.0  | .156                  | .101 | .059 | .134 | .087 | .051 | .092                                        | .061 | .036 | .053 | .036 | .021 | .017 | .012 | .007 |   |  |
| 5.0  | .149                  | .091 | .047 | .128 | .078 | .041 | .088                                        | .055 | .029 | .051 | .032 | .017 | .016 | .010 | .006 |   |  |
| 6.0  | .142                  | .082 | .039 | .122 | .071 | .034 | .084                                        | .050 | .024 | .049 | .029 | .014 | .016 | .010 | .005 |   |  |
| 7.0  | .135                  | .075 | .033 | .116 | .065 | .029 | .080                                        | .046 | .021 | .047 | .027 | .012 | .015 | .009 | .004 |   |  |
| 8.0  | .129                  | .069 | .029 | .111 | .060 | .025 | .077                                        | .042 | .018 | .045 | .025 | .011 | .014 | .008 | .004 |   |  |
| 9.0  | .123                  | .064 | .025 | .106 | .056 | .022 | .073                                        | .039 | .016 | .043 | .023 | .009 | .014 | .008 | .003 |   |  |
| 10.0 | .117                  | .060 | .022 | .101 | .052 | .020 | .070                                        | .037 | .014 | .041 | .022 | .008 | .013 | .007 | .003 |   |  |

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:Chen Songyu  
Test Date:2025-02-25

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:9.520m [K=1.0000]  
Remarks:

### UGR(Unified Glare Rating) Table

|                                                                                                                     |                  |      |      |      |             |                |      |                            |      |      |
|---------------------------------------------------------------------------------------------------------------------|------------------|------|------|------|-------------|----------------|------|----------------------------|------|------|
| Test:U:240.26V I:0.0810A P:18.605W PF:0.9560 Freq:49.99Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1996.84x1 lm |                  |      |      |      |             |                |      |                            |      |      |
| Name: OYS18W                                                                                                        |                  |      |      |      | Type: 18W   |                |      | Weight:                    |      |      |
| SPEC.: 4000K                                                                                                        |                  |      |      |      | DIM.:       |                |      | Instrument No.: HUP-IES-B3 |      |      |
| MFR.: EVERFINE                                                                                                      |                  |      |      |      | SUR.: 0.135 |                |      | 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                                                                                                       | 21.3             | 22.8 | 21.5 | 23.0 | 23.2        | 21.2           | 22.7 | 21.4                       | 22.9 | 23.1 |
| 3H                                                                                                                  | 22.7             | 24.1 | 23.0 | 24.3 | 24.5        | 22.5           | 23.9 | 22.8                       | 24.1 | 24.4 |
| 4H                                                                                                                  | 23.2             | 24.5 | 23.5 | 24.8 | 25.0        | 23.0           | 24.3 | 23.3                       | 24.5 | 24.8 |
| 6H                                                                                                                  | 23.5             | 24.8 | 23.9 | 25.0 | 25.3        | 23.2           | 24.5 | 23.6                       | 24.7 | 25.0 |
| 8H                                                                                                                  | 23.6             | 24.8 | 24.0 | 25.1 | 25.4        | 23.3           | 24.5 | 23.6                       | 24.8 | 25.1 |
| 12H                                                                                                                 | 23.7             | 24.8 | 24.0 | 25.1 | 25.4        | 23.3           | 24.5 | 23.6                       | 24.8 | 25.1 |
| 4H 2H                                                                                                               | 21.8             | 23.1 | 22.1 | 23.4 | 23.7        | 21.7           | 23.1 | 22.0                       | 23.3 | 23.6 |
| 3H                                                                                                                  | 23.4             | 24.5 | 23.7 | 24.8 | 25.1        | 23.2           | 24.4 | 23.6                       | 24.7 | 25.0 |
| 4H                                                                                                                  | 24.0             | 25.1 | 24.4 | 25.4 | 25.7        | 23.8           | 24.9 | 24.2                       | 25.2 | 25.5 |
| 6H                                                                                                                  | 24.5             | 25.4 | 24.9 | 25.7 | 26.1        | 24.2           | 25.1 | 24.6                       | 25.5 | 25.8 |
| 8H                                                                                                                  | 24.6             | 25.5 | 25.0 | 25.8 | 26.2        | 24.3           | 25.1 | 24.7                       | 25.5 | 25.9 |
| 12H                                                                                                                 | 24.7             | 25.5 | 25.1 | 25.9 | 26.3        | 24.3           | 25.1 | 24.7                       | 25.5 | 25.9 |
| 8H 4H                                                                                                               | 24.2             | 25.1 | 24.6 | 25.4 | 25.8        | 24.0           | 24.9 | 24.4                       | 25.3 | 25.6 |
| 6H                                                                                                                  | 24.8             | 25.5 | 25.2 | 25.9 | 26.3        | 24.5           | 25.2 | 24.9                       | 25.6 | 26.1 |
| 8H                                                                                                                  | 25.0             | 25.6 | 25.4 | 26.0 | 26.5        | 24.7           | 25.3 | 25.1                       | 25.7 | 26.2 |
| 12H                                                                                                                 | 25.1             | 25.7 | 25.6 | 26.1 | 26.6        | 24.8           | 25.3 | 25.2                       | 25.8 | 26.2 |
| 12H 4H                                                                                                              | 24.2             | 25.0 | 24.6 | 25.4 | 25.8        | 24.0           | 24.8 | 24.4                       | 25.2 | 25.6 |
| 6H                                                                                                                  | 24.8             | 25.4 | 25.3 | 25.9 | 26.3        | 24.5           | 25.2 | 25.0                       | 25.6 | 26.1 |
| 8H                                                                                                                  | 25.0             | 25.6 | 25.5 | 26.0 | 26.5        | 24.7           | 25.3 | 25.2                       | 25.7 | 26.2 |
| Variations with the observer position at spacings(CIE Pub.117):                                                     |                  |      |      |      |             |                |      |                            |      |      |
| S = 1.0H                                                                                                            | + 0.2 / - 0.2    |      |      |      |             | + 0.2 / - 0.2  |      |                            |      |      |
| 1.5H                                                                                                                | + 0.2 / - 0.3    |      |      |      |             | + 0.2 / - 0.4  |      |                            |      |      |
| 2.0H                                                                                                                | + 0.2 / - 0.3    |      |      |      |             | + 0.2 / - 0.3  |      |                            |      |      |

CIE Pub.117, 1997 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 2.4)  
Area: 0.05722 m2

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:Chen Songyu  
Test Date:2025-02-25

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:9.520m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

|                                                           |             |                            |
|-----------------------------------------------------------|-------------|----------------------------|
| Test:U:240.26V I:0.0810A P:18.605W PF:0.9560 Freq:49.99Hz |             |                            |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1996.84x1 lm    |             |                            |
| Name: OYS18W                                              | Type: 18W   | Weight:                    |
| SPEC.: 4000K                                              | DIM.:       | Instrument No.: HUP-IES-B3 |
| MFR.: EVERFINE                                            | SUR.: 0.135 | shielding angle:           |

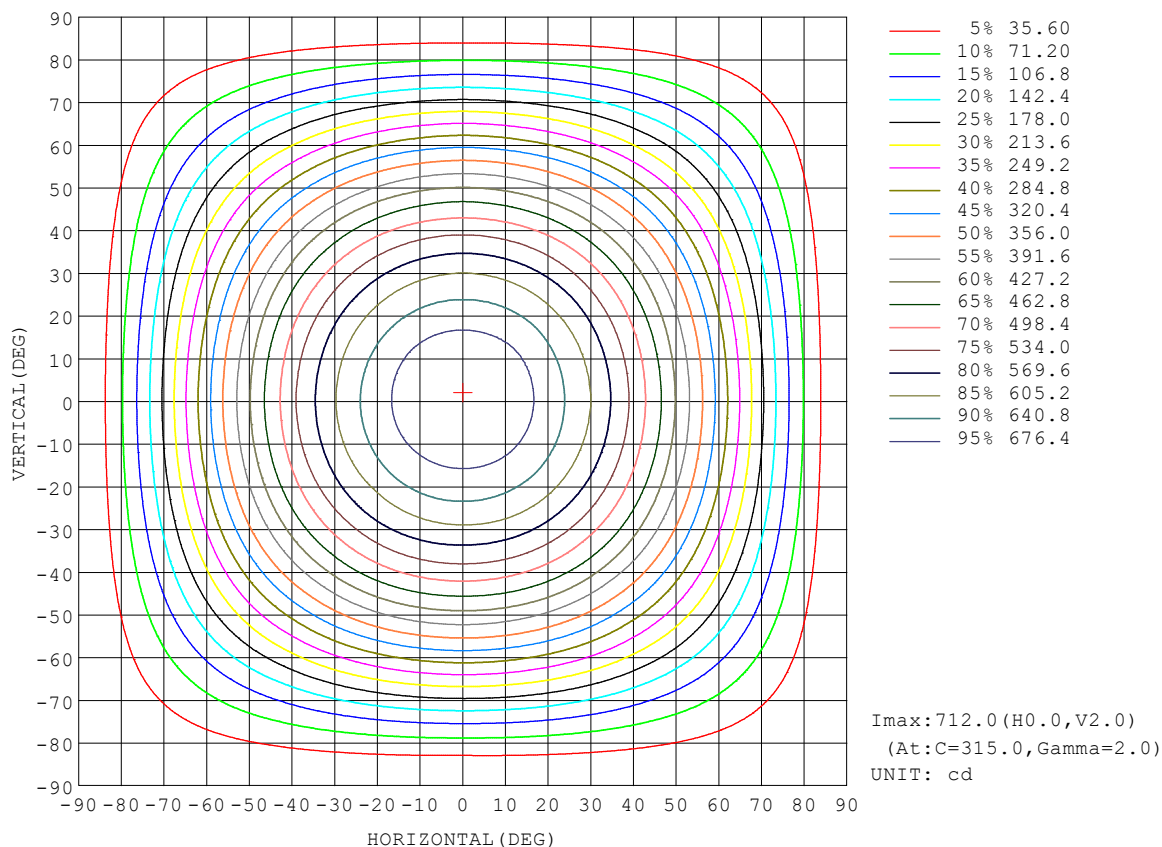
| REFLECTANCE                      |                                                      |     |           |     |     |     |     |               |     |        |
|----------------------------------|------------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 58                                                   | 46  | 39        | 57  | 46  | 39  | 56  | 46            | 39  | 33     |
| 0.80                             | 68                                                   | 56  | 49        | 67  | 56  | 49  | 65  | 55            | 49  | 42     |
| 1.00                             | 76                                                   | 65  | 58        | 75  | 65  | 58  | 73  | 66            | 57  | 50     |
| 1.25                             | 84                                                   | 73  | 66        | 82  | 73  | 66  | 79  | 71            | 65  | 58     |
| 1.50                             | 89                                                   | 79  | 72        | 87  | 78  | 71  | 84  | 76            | 70  | 63     |
| 2.00                             | 95                                                   | 87  | 81        | 94  | 86  | 80  | 90  | 84            | 78  | 71     |
| 2.50                             | 99                                                   | 92  | 86        | 97  | 90  | 85  | 93  | 88            | 83  | 75     |
| 3.00                             | 103                                                  | 96  | 90        | 100 | 94  | 89  | 96  | 91            | 87  | 79     |
| 4.00                             | 107                                                  | 101 | 96        | 104 | 99  | 95  | 100 | 96            | 92  | 84     |
| 5.00                             | 109                                                  | 104 | 100       | 106 | 102 | 99  | 102 | 99            | 96  | 87     |
| 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: 25.3℃  
Operators: Chen Songyu  
Test Date: 2025-02-25

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000H\_V1 SYSTEM V2.00.456  
Humidity: 65.0%  
Test Distance: 9.520m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

|                                                                                                                     |             |                            |
|---------------------------------------------------------------------------------------------------------------------|-------------|----------------------------|
| Test:U:240.26V I:0.0810A P:18.605W PF:0.9560 Freq:49.99Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1996.84x1 lm |             |                            |
| Name: OYS18W                                                                                                        | Type: 18W   | Weight:                    |
| SPEC.: 4000K                                                                                                        | DIM.:       | Instrument No.: HUP-IES-B3 |
| MFR.: EVERFINE                                                                                                      | SUR.: 0.135 | shielding angle:           |



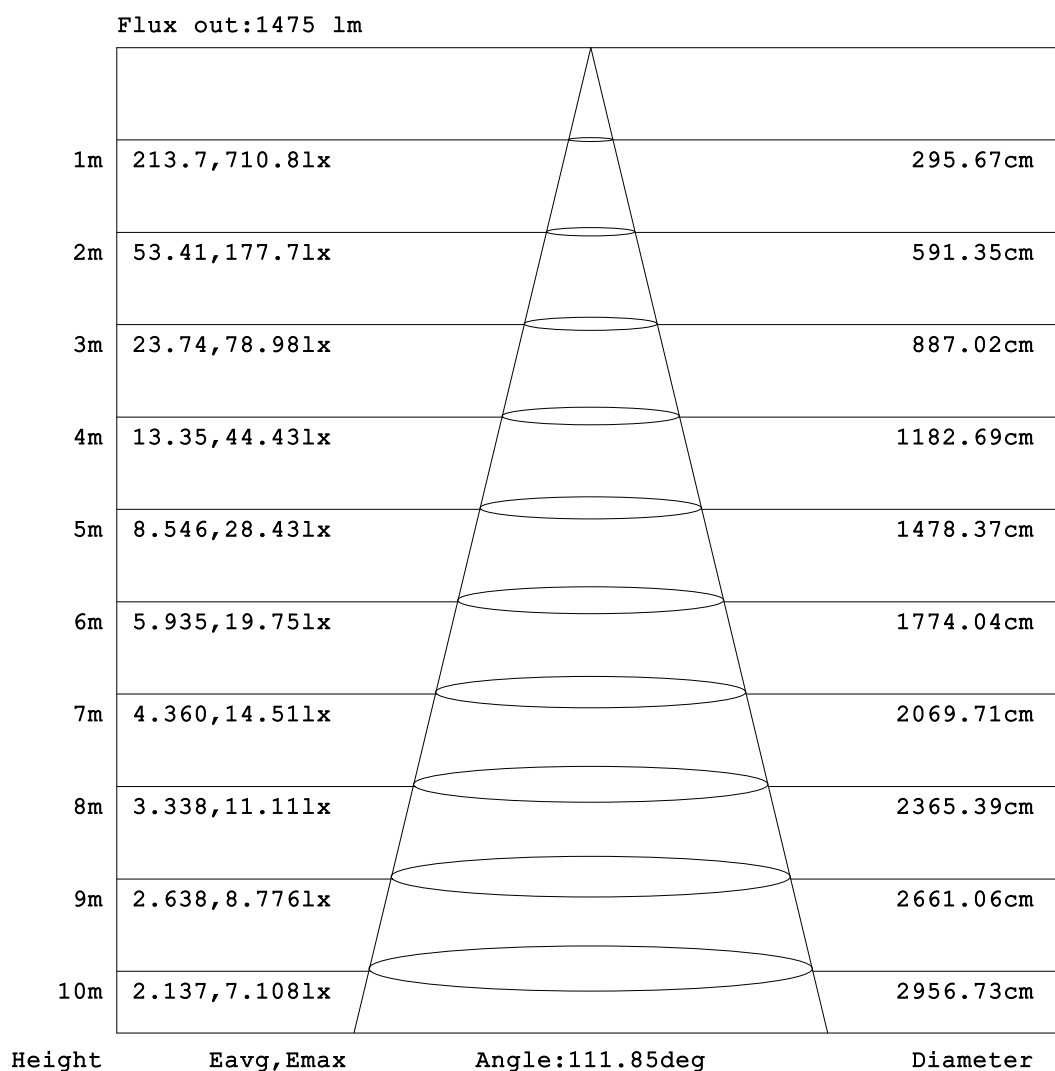
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:Chen Songyu  
Test Date:2025-02-25

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:9.520m [K=1.0000]  
Remarks:



AAI Figure

|                                                                                                                     |             |                            |
|---------------------------------------------------------------------------------------------------------------------|-------------|----------------------------|
| Test:U:240.26V I:0.0810A P:18.605W PF:0.9560 Freq:49.99Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1996.84x1 lm |             |                            |
| Name: OYS18W                                                                                                        | Type: 18W   | Weight:                    |
| SPEC.: 4000K                                                                                                        | DIM.:       | Instrument No.: HUP-IES-B3 |
| MFR.: EVERFINE                                                                                                      | SUR.: 0.135 | shielding angle:           |



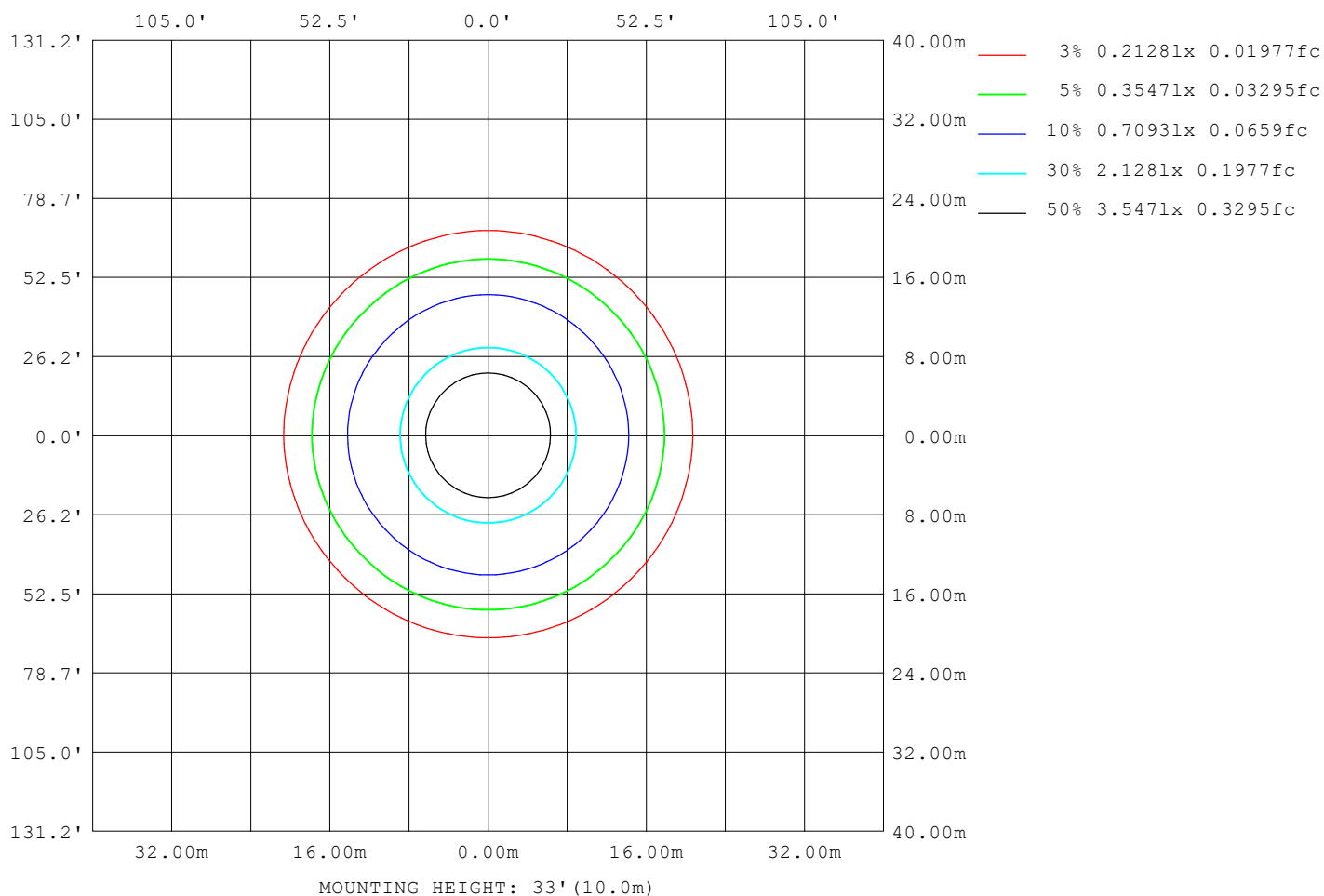
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:Chen Songyu  
Test Date:2025-02-25

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:9.520m [K=1.0000]  
Remarks:

### ISOLUX DIAGRAM

|                                                                                                                     |             |                            |
|---------------------------------------------------------------------------------------------------------------------|-------------|----------------------------|
| Test:U:240.26V I:0.0810A P:18.605W PF:0.9560 Freq:49.99Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1996.84x1 lm |             |                            |
| Name: OYS18W                                                                                                        | Type: 18W   | Weight:                    |
| SPEC.: 4000K                                                                                                        | DIM.:       | Instrument No.: HUP-IES-B3 |
| MFR.: EVERFINE                                                                                                      | SUR.: 0.135 | shielding angle:           |



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:Chen Songyu  
Test Date:2025-02-25

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:9.520m [K=1.0000]  
Remarks:

### LED Avg.L Report

|                                                                                                                     |             |                            |
|---------------------------------------------------------------------------------------------------------------------|-------------|----------------------------|
| Test:U:240.26V I:0.0810A P:18.605W PF:0.9560 Freq:49.99Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1996.84x1 lm |             |                            |
| Name: OYS18W                                                                                                        | Type: 18W   | Weight:                    |
| SPEC.: 4000K                                                                                                        | DIM.:       | Instrument No.: HUP-IES-B3 |
| MFR.: EVERFINE                                                                                                      | SUR.: 0.135 | shielding angle:           |

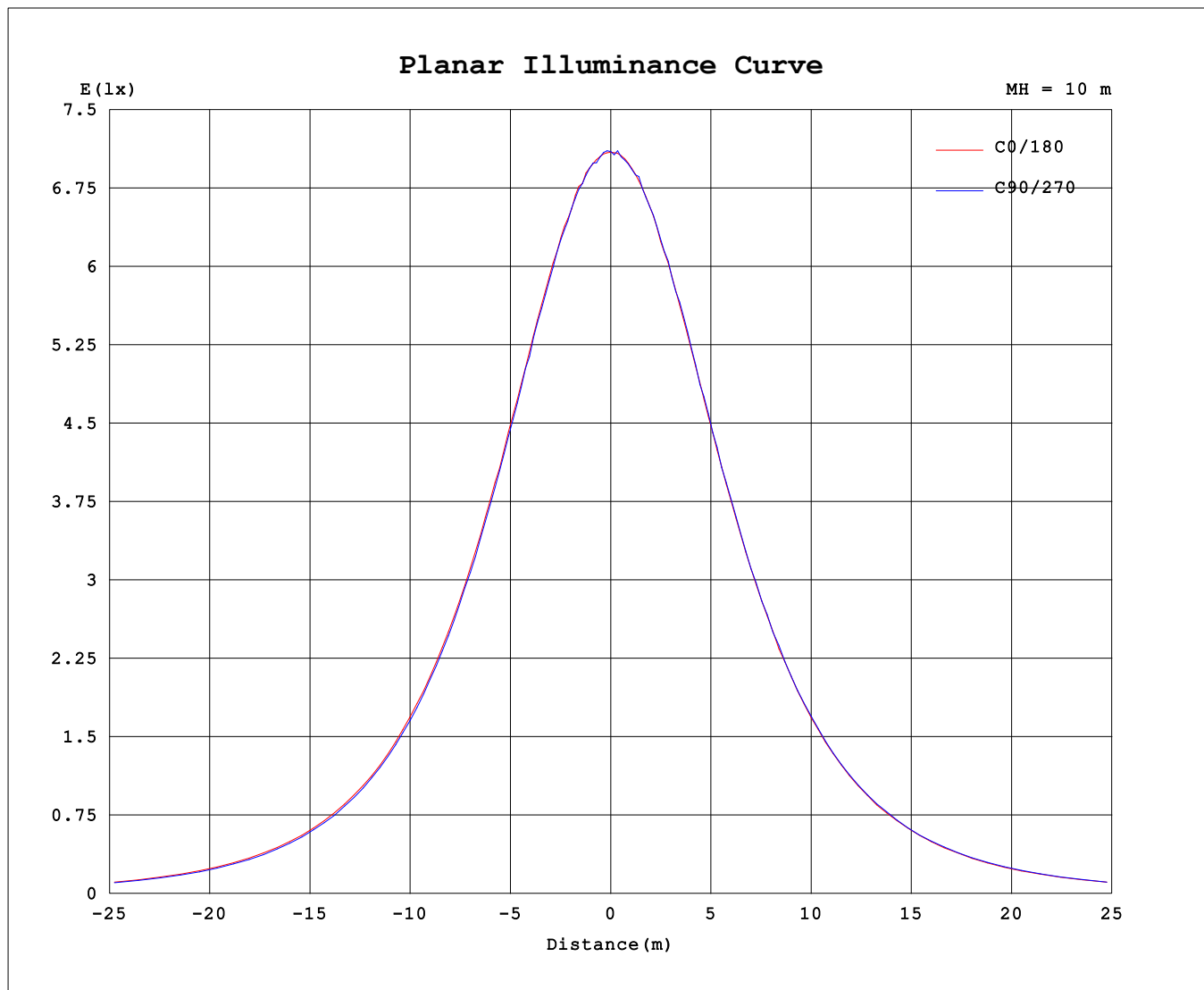
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 10237 |
| L_0~180 (75) av  | 8301  |
| L_0~180 (85) av  | 5397  |
| L_90~270 (65) av | 10067 |
| L_90~270 (75) av | 7975  |
| L_90~270 (85) av | 4915  |
| L_45 (65) av     | 9942  |
| L_45 (75) av     | 7976  |
| L_45 (85) av     | 5333  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:Chen Songyu  
Test Date:2025-02-25

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:9.520m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: Chen Songyu  
Test Date: 2025-02-25

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000H\_V1 SYSTEM V2.00.456  
Humidity: 65.0%  
Test Distance: 9.520m [K=1.0000]  
Remarks:

|                                                                                                                     |             |                            |
|---------------------------------------------------------------------------------------------------------------------|-------------|----------------------------|
| Test:U:240.26V I:0.0810A P:18.605W PF:0.9560 Freq:49.99Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1996.84x1 lm |             |                            |
| Name: OYS18W                                                                                                        | Type: 18W   | Weight:                    |
| SPEC.: 4000K                                                                                                        | DIM.:       | Instrument No.: HUP-IES-B3 |
| MFR.: EVERFINE                                                                                                      | SUR.: 0.135 | shielding angle:           |

UNIT: cd

[illegible]

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:9.520m [K=1.0000]
Remarks:

```