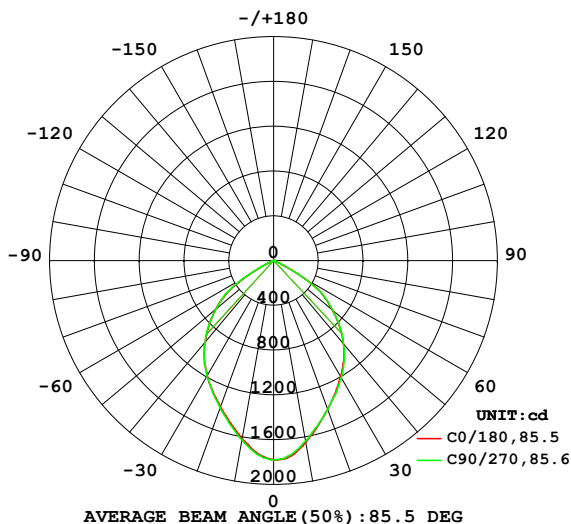


## LUMINAIRE PHOTOMETRIC TEST REPORT

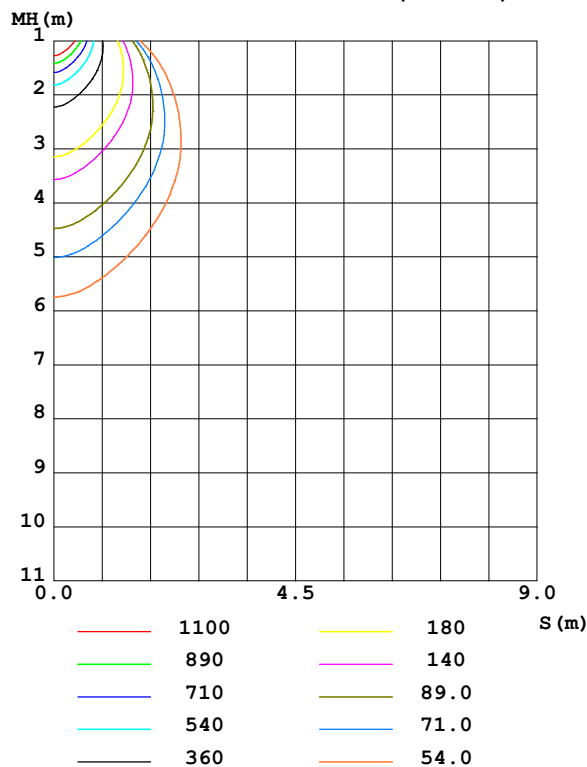
|                                                                                                                     |             |                            |
|---------------------------------------------------------------------------------------------------------------------|-------------|----------------------------|
| Test:U:240.34V I:0.1704A P:23.650W PF:0.5775 Freq:49.99Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3062.96x1 lm |             |                            |
| Name: TS-24W-W                                                                                                      | Type: 24W   | Weight:                    |
| SPEC.: 5000K                                                                                                        | DIM.:       | Instrument No.: HUP-IES-B3 |
| MFR.: EVERFINE                                                                                                      | SUR.: 0.035 | shielding angle:           |

| DATA OF LAMP     |          | PHOTOMETRIC DATA Eff: 129.51 lm/W |        |                   |          |
|------------------|----------|-----------------------------------|--------|-------------------|----------|
| MODEL            | TS-24W-W | I <sub>max</sub> (cd)             | 1780   | S/MH(C0/180)      | 1.01     |
| NOMINAL POWER(W) | 24       | LOR(%)                            | 100.0  | S/MH(C90/270)     | 1.03     |
| RATED VOLTAGE(V) | 240      | TOTAL FLUX(lm)                    | 3063.0 | η UP,DN(C0-180)   | 0.0,49.6 |
| NOMINAL FLUX(lm) | 3062.96  | CIE CLASS                         | DIRECT | η UP,DN(C180-360) | 0.0,50.4 |
| LAMPS INSIDE     | 1        | η up (%)                          | 0.0    | CIBSE SHR NOM     | 1.00     |
| TEST VOLTAGE(V)  | 240      | η down (%)                        | 100.0  | CIBSE SHR MAX     | 1.15     |

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:2024-04-11

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:9.640m [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       | 1617                  | 1628   | 1628   | 1633   | 1649   | 1644   | 1638   | 1622   | 0- 10    | 162.4       | 162.4        | 5.3,5.3    |
| 20       | 1390                  | 1402   | 1402   | 1400   | 1413   | 1413   | 1414   | 1395   | 10- 20   | 426.2       | 588.6        | 19.2,19.2  |
| 30       | 1185                  | 1194   | 1190   | 1189   | 1199   | 1204   | 1211   | 1191   | 20- 30   | 598.1       | 1187         | 38.7,38.7  |
| 40       | 952.2                 | 961.1  | 955.3  | 962.1  | 971.9  | 978.5  | 972.8  | 961.7  | 30- 40   | 678.6       | 1865         | 60.9,60.9  |
| 50       | 672.9                 | 682.7  | 671.0  | 674.9  | 684.5  | 694.2  | 690.4  | 678.3  | 40- 50   | 637.5       | 2503         | 81.7,81.7  |
| 60       | 260.6                 | 271.7  | 281.7  | 295.5  | 315.2  | 303.4  | 302.3  | 282.1  | 50- 60   | 458.0       | 2961         | 96.7,96.7  |
| 70       | 16.83                 | 16.77  | 16.13  | 16.15  | 16.77  | 16.19  | 15.98  | 16.25  | 60- 70   | 90.52       | 3051         | 99.6,99.6  |
| 80       | 4.673                 | 4.317  | 3.736  | 3.403  | 3.533  | 3.780  | 4.084  | 4.476  | 70- 80   | 9.081       | 3060         | 99.9,99.9  |
| 90       | 0.2688                | 0.2461 | 0.2407 | 0.2406 | 0.1920 | 0.2431 | 0.2541 | 0.3149 | 80- 90   | 2.523       | 3063         | 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): 2197.6 lm

%lum = 71.7%

%lamp = 71.7%

Conical surface Flux(120deg): 2960.8 lm

%lum = 96.7%

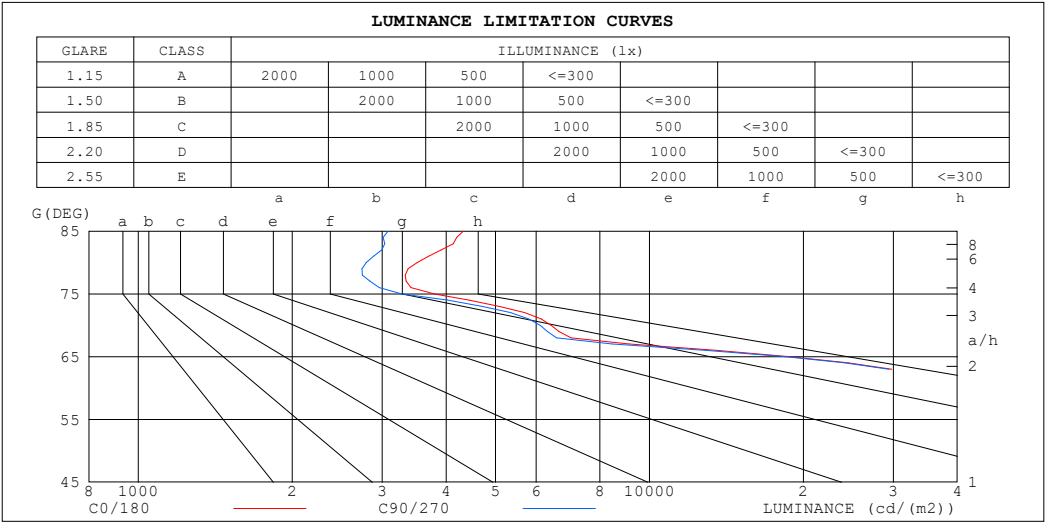
%lamp = 96.7%

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3℃  
 Operators:Chen Songyu  
 Test Date:2024-04-11

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.456  
 Humidity:65.0%  
 Test Distance:9.640m [K=1.0000]  
 Remarks:

LUMINANCE LIMITATION CURVES

|                                                           |             |                            |
|-----------------------------------------------------------|-------------|----------------------------|
| Test:U:240.34V I:0.1704A P:23.650W PF:0.5775 Freq:49.99Hz |             |                            |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3062.96x1 lm    |             |                            |
| Name: TS-24W-W                                            | Type: 24W   | Weight:                    |
| SPEC.: 5000K                                              | DIM.:       | Instrument No.: HUP-IES-B3 |
| MFR.: EVERFINE                                            | SUR.: 0.035 | shielding angle:           |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 4319   | 3079    |
| 80                | 3512   | 2791    |
| 75                | 3797   | 3281    |
| 70                | 6422   | 6118    |
| 65                | 18868  | 18507   |
| 60                | 68011  | 73087   |
| 55                | 117080 | 119158  |
| 50                | 136604 | 135407  |
| 45                | 151005 | 150538  |

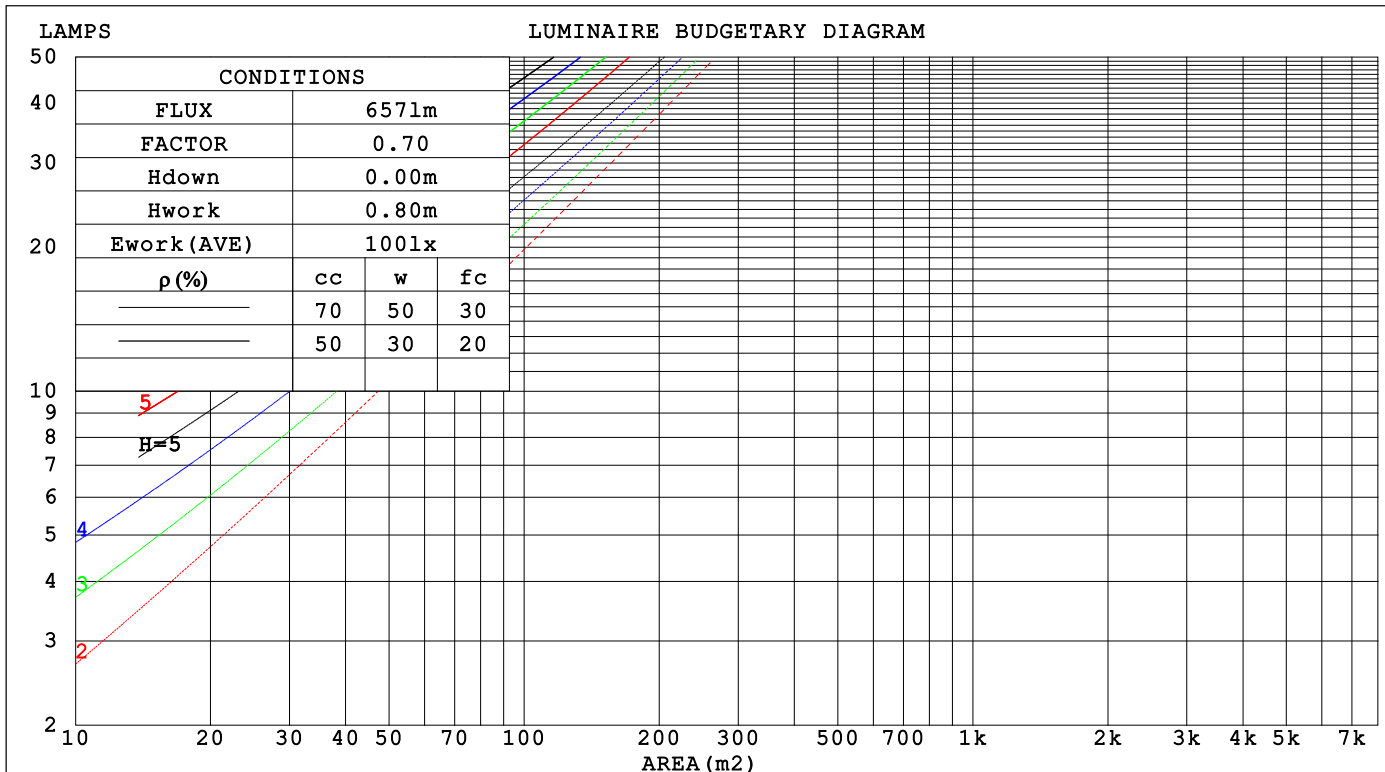
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:Chen Songyu  
Test Date:2024-04-11

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:9.640m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                           |             |                            |
|-----------------------------------------------------------|-------------|----------------------------|
| Test:U:240.34V I:0.1704A P:23.650W PF:0.5775 Freq:49.99Hz |             |                            |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3062.96x1 lm    |             |                            |
| Name: TS-24W-W                                            | Type: 24W   | Weight:                    |
| SPEC.: 5000K                                              | DIM.:       | Instrument No.: HUP-IES-B3 |
| MFR.: EVERFINE                                            | SUR.: 0.035 | shielding angle:           |

| pcc             | 80%                   |     |     | 70% |     |     | 50% |     |     | 30% |     |     | 10% |     |     | 0 |
|-----------------|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| p <sub>w</sub>  | 50%                   | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| p <sub>fc</sub> | 20%                   |     |     | 20% |     |     | 20% |     |     | 20% |     |     | 20% |     |     | 0 |
| RCR             | RCR:Room Cavity Ratio |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:Chen Songyu  
Test Date:2024-04-11

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:9.640m [K=1.0000]  
Remarks:

### WEC AND CCEC

|                                                           |             |                            |
|-----------------------------------------------------------|-------------|----------------------------|
| Test:U:240.34V I:0.1704A P:23.650W PF:0.5775 Freq:49.99Hz |             |                            |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3062.96x1 lm    |             |                            |
| Name: TS-24W-W                                            | Type: 24W   | Weight:                    |
| SPEC.: 5000K                                              | DIM.:       | Instrument No.: HUP-IES-B3 |
| MFR.: EVERFINE                                            | SUR.: 0.035 | 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  | .228                  | .130 | .041 | .221 | .126 | .040 | .208                            | .119 | .038 | .196 | .113 | .036 | .185 | .107 | .035 |   |  |
| 2.0  | .225                  | .123 | .038 | .219 | .121 | .037 | .208                            | .115 | .036 | .197 | .111 | .035 | .188 | .106 | .034 |   |  |
| 3.0  | .216                  | .115 | .034 | .211 | .113 | .034 | .201                            | .109 | .033 | .192 | .105 | .032 | .184 | .102 | .032 |   |  |
| 4.0  | .206                  | .107 | .031 | .201 | .105 | .031 | .193                            | .102 | .031 | .185 | .099 | .030 | .177 | .096 | .029 |   |  |
| 5.0  | .195                  | .099 | .029 | .191 | .098 | .029 | .184                            | .096 | .028 | .176 | .093 | .028 | .170 | .091 | .027 |   |  |
| 6.0  | .185                  | .093 | .027 | .181 | .092 | .026 | .174                            | .089 | .026 | .168 | .087 | .026 | .162 | .085 | .025 |   |  |
| 7.0  | .175                  | .086 | .025 | .172 | .086 | .024 | .166                            | .084 | .024 | .160 | .082 | .024 | .155 | .080 | .024 |   |  |
| 8.0  | .166                  | .081 | .023 | .163 | .080 | .023 | .157                            | .079 | .022 | .152 | .077 | .022 | .147 | .076 | .022 |   |  |
| 9.0  | .157                  | .076 | .021 | .154 | .075 | .021 | .149                            | .074 | .021 | .145 | .073 | .021 | .141 | .071 | .021 |   |  |
| 10.0 | .149                  | .071 | .020 | .147 | .071 | .020 | .142                            | .070 | .020 | .138 | .069 | .019 | .134 | .067 | .019 |   |  |

| 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  | .175                  | .157 | .141 | .149 | .135 | .121 | .102                                        | .093 | .084 | .059 | .054 | .049 | .019 | .017 | .016 |   |  |
| 2.0  | .163                  | .132 | .106 | .140 | .114 | .092 | .096                                        | .079 | .064 | .055 | .046 | .038 | .018 | .015 | .012 |   |  |
| 3.0  | .154                  | .114 | .082 | .132 | .098 | .071 | .091                                        | .068 | .050 | .052 | .040 | .029 | .017 | .013 | .010 |   |  |
| 4.0  | .146                  | .100 | .065 | .125 | .086 | .056 | .086                                        | .060 | .040 | .050 | .035 | .023 | .016 | .011 | .008 |   |  |
| 5.0  | .139                  | .089 | .052 | .119 | .077 | .046 | .082                                        | .054 | .032 | .048 | .032 | .019 | .015 | .010 | .006 |   |  |
| 6.0  | .132                  | .081 | .043 | .114 | .070 | .038 | .079                                        | .049 | .027 | .046 | .029 | .016 | .015 | .009 | .005 |   |  |
| 7.0  | .126                  | .074 | .036 | .109 | .064 | .032 | .075                                        | .045 | .023 | .044 | .026 | .013 | .014 | .009 | .004 |   |  |
| 8.0  | .121                  | .068 | .031 | .104 | .059 | .027 | .072                                        | .041 | .019 | .042 | .024 | .012 | .014 | .008 | .004 |   |  |
| 9.0  | .115                  | .063 | .027 | .099 | .054 | .024 | .069                                        | .038 | .017 | .040 | .023 | .010 | .013 | .007 | .003 |   |  |
| 10.0 | .110                  | .058 | .024 | .095 | .051 | .021 | .066                                        | .036 | .015 | .038 | .021 | .009 | .012 | .007 | .003 |   |  |

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:Chen Songyu  
Test Date:2024-04-11

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:9.640m [K=1.0000]  
Remarks:

### UGR(Unified Glare Rating) Table

|                                                                                                                     |                  |      |      |      |             |                |      |                            |      |      |
|---------------------------------------------------------------------------------------------------------------------|------------------|------|------|------|-------------|----------------|------|----------------------------|------|------|
| Test:U:240.34V I:0.1704A P:23.650W PF:0.5775 Freq:49.99Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3062.96x1 lm |                  |      |      |      |             |                |      |                            |      |      |
| Name: TS-24W-W                                                                                                      |                  |      |      |      | Type: 24W   |                |      | Weight:                    |      |      |
| SPEC.: 5000K                                                                                                        |                  |      |      |      | DIM.:       |                |      | Instrument No.: HUP-IES-B3 |      |      |
| MFR.: EVERFINE                                                                                                      |                  |      |      |      | SUR.: 0.035 |                |      | 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                                                                                                       | 28.6             | 29.8 | 28.8 | 30.0 | 30.2        | 28.6           | 29.9 | 28.8                       | 30.1 | 30.3 |
| 3H                                                                                                                  | 28.4             | 29.6 | 28.7 | 29.8 | 30.0        | 28.4           | 29.6 | 28.7                       | 29.8 | 30.0 |
| 4H                                                                                                                  | 28.3             | 29.4 | 28.6 | 29.6 | 29.9        | 28.3           | 29.4 | 28.6                       | 29.7 | 29.9 |
| 6H                                                                                                                  | 28.2             | 29.2 | 28.5 | 29.5 | 29.7        | 28.2           | 29.3 | 28.5                       | 29.5 | 29.8 |
| 8H                                                                                                                  | 28.1             | 29.1 | 28.5 | 29.4 | 29.7        | 28.2           | 29.2 | 28.5                       | 29.4 | 29.7 |
| 12H                                                                                                                 | 28.1             | 29.0 | 28.4 | 29.3 | 29.6        | 28.1           | 29.1 | 28.5                       | 29.4 | 29.7 |
| 4H 2H                                                                                                               | 28.5             | 29.6 | 28.8 | 29.9 | 30.1        | 28.6           | 29.7 | 28.9                       | 29.9 | 30.1 |
| 3H                                                                                                                  | 28.4             | 29.3 | 28.7 | 29.6 | 29.9        | 28.4           | 29.3 | 28.7                       | 29.6 | 29.9 |
| 4H                                                                                                                  | 28.3             | 29.1 | 28.6 | 29.4 | 29.8        | 28.3           | 29.2 | 28.7                       | 29.5 | 29.8 |
| 6H                                                                                                                  | 28.2             | 28.9 | 28.6 | 29.3 | 29.6        | 28.2           | 29.0 | 28.6                       | 29.3 | 29.7 |
| 8H                                                                                                                  | 28.1             | 28.8 | 28.5 | 29.2 | 29.6        | 28.2           | 28.9 | 28.6                       | 29.2 | 29.6 |
| 12H                                                                                                                 | 28.1             | 28.7 | 28.5 | 29.1 | 29.5        | 28.1           | 28.8 | 28.5                       | 29.1 | 29.5 |
| 8H 4H                                                                                                               | 28.1             | 28.8 | 28.5 | 29.2 | 29.6        | 28.2           | 28.9 | 28.6                       | 29.2 | 29.6 |
| 6H                                                                                                                  | 28.0             | 28.6 | 28.5 | 29.0 | 29.4        | 28.1           | 28.6 | 28.5                       | 29.0 | 29.5 |
| 8H                                                                                                                  | 28.0             | 28.5 | 28.5 | 28.9 | 29.4        | 28.0           | 28.5 | 28.5                       | 29.0 | 29.4 |
| 12H                                                                                                                 | 28.0             | 28.4 | 28.4 | 28.8 | 29.3        | 28.0           | 28.4 | 28.5                       | 28.9 | 29.3 |
| 12H 4H                                                                                                              | 28.1             | 28.7 | 28.5 | 29.1 | 29.5        | 28.1           | 28.8 | 28.5                       | 29.1 | 29.5 |
| 6H                                                                                                                  | 28.0             | 28.5 | 28.5 | 28.9 | 29.4        | 28.0           | 28.5 | 28.5                       | 29.0 | 29.4 |
| 8H                                                                                                                  | 28.0             | 28.4 | 28.4 | 28.8 | 29.3        | 28.0           | 28.4 | 28.5                       | 28.9 | 29.3 |
| Variations with the observer position at spacings(CIE Pub.117):                                                     |                  |      |      |      |             |                |      |                            |      |      |
| S = 1.0H                                                                                                            | + 0.7 / - 1.1    |      |      |      |             | + 0.6 / - 1.0  |      |                            |      |      |
| 1.5H                                                                                                                | + 0.5 / - 0.9    |      |      |      |             | + 0.5 / - 1.0  |      |                            |      |      |
| 2.0H                                                                                                                | + 2.0 / - 8.0    |      |      |      |             | + 1.9 / - 8.2  |      |                            |      |      |

CIE Pub.117, 3063 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 3.9)  
Area: 0.007693 m2

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:Chen Songyu  
Test Date:2024-04-11

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:9.640m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

|                                                           |             |                            |
|-----------------------------------------------------------|-------------|----------------------------|
| Test:U:240.34V I:0.1704A P:23.650W PF:0.5775 Freq:49.99Hz |             |                            |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3062.96x1 lm    |             |                            |
| Name: TS-24W-W                                            | Type: 24W   | Weight:                    |
| SPEC.: 5000K                                              | DIM.:       | Instrument No.: HUP-IES-B3 |
| MFR.: EVERFINE                                            | SUR.: 0.035 | shielding angle:           |

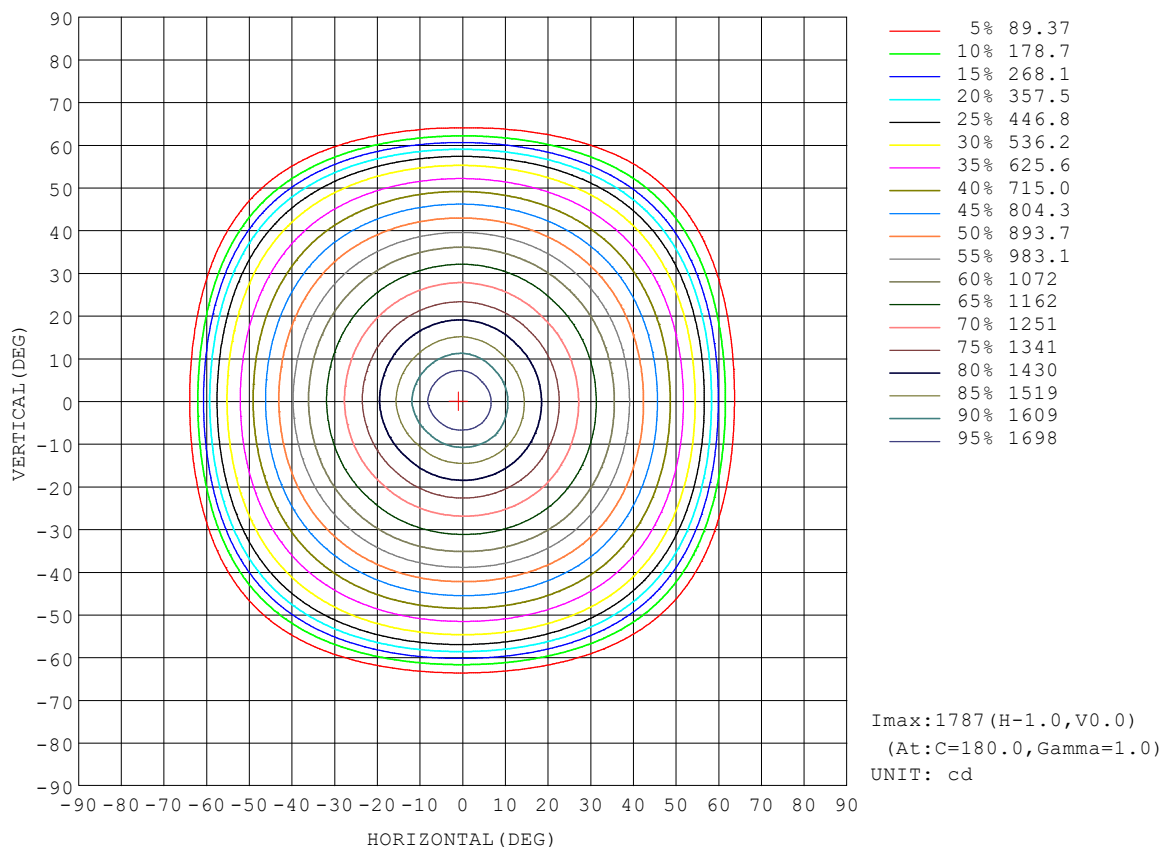
| REFLECTANCE                      |                                                      |     |           |     |     |     |     |               |     |        |
|----------------------------------|------------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 66                                                   | 56  | 50        | 65  | 56  | 50  | 64  | 55            | 49  | 44     |
| 0.80                             | 77                                                   | 67  | 61        | 76  | 67  | 61  | 74  | 66            | 60  | 54     |
| 1.00                             | 85                                                   | 77  | 71        | 84  | 76  | 71  | 82  | 77            | 70  | 64     |
| 1.25                             | 92                                                   | 84  | 79        | 91  | 83  | 78  | 89  | 82            | 77  | 72     |
| 1.50                             | 97                                                   | 89  | 84        | 95  | 88  | 83  | 92  | 87            | 82  | 76     |
| 2.00                             | 102                                                  | 96  | 91        | 101 | 95  | 90  | 97  | 93            | 89  | 82     |
| 2.50                             | 105                                                  | 99  | 95        | 103 | 98  | 94  | 100 | 95            | 92  | 85     |
| 3.00                             | 107                                                  | 102 | 98        | 105 | 101 | 97  | 102 | 98            | 95  | 88     |
| 4.00                             | 110                                                  | 106 | 102       | 108 | 104 | 101 | 104 | 101           | 98  | 90     |
| 5.00                             | 112                                                  | 108 | 105       | 109 | 106 | 103 | 105 | 103           | 100 | 92     |
| 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: 2024-04-11

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000H\_V1 SYSTEM V2.00.456  
Humidity: 65.0%  
Test Distance: 9.640m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

|                                                                                                                     |             |                            |
|---------------------------------------------------------------------------------------------------------------------|-------------|----------------------------|
| Test:U:240.34V I:0.1704A P:23.650W PF:0.5775 Freq:49.99Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3062.96x1 lm |             |                            |
| Name: TS-24W-W                                                                                                      | Type: 24W   | Weight:                    |
| SPEC.: 5000K                                                                                                        | DIM.:       | Instrument No.: HUP-IES-B3 |
| MFR.: EVERFINE                                                                                                      | SUR.: 0.035 | shielding angle:           |



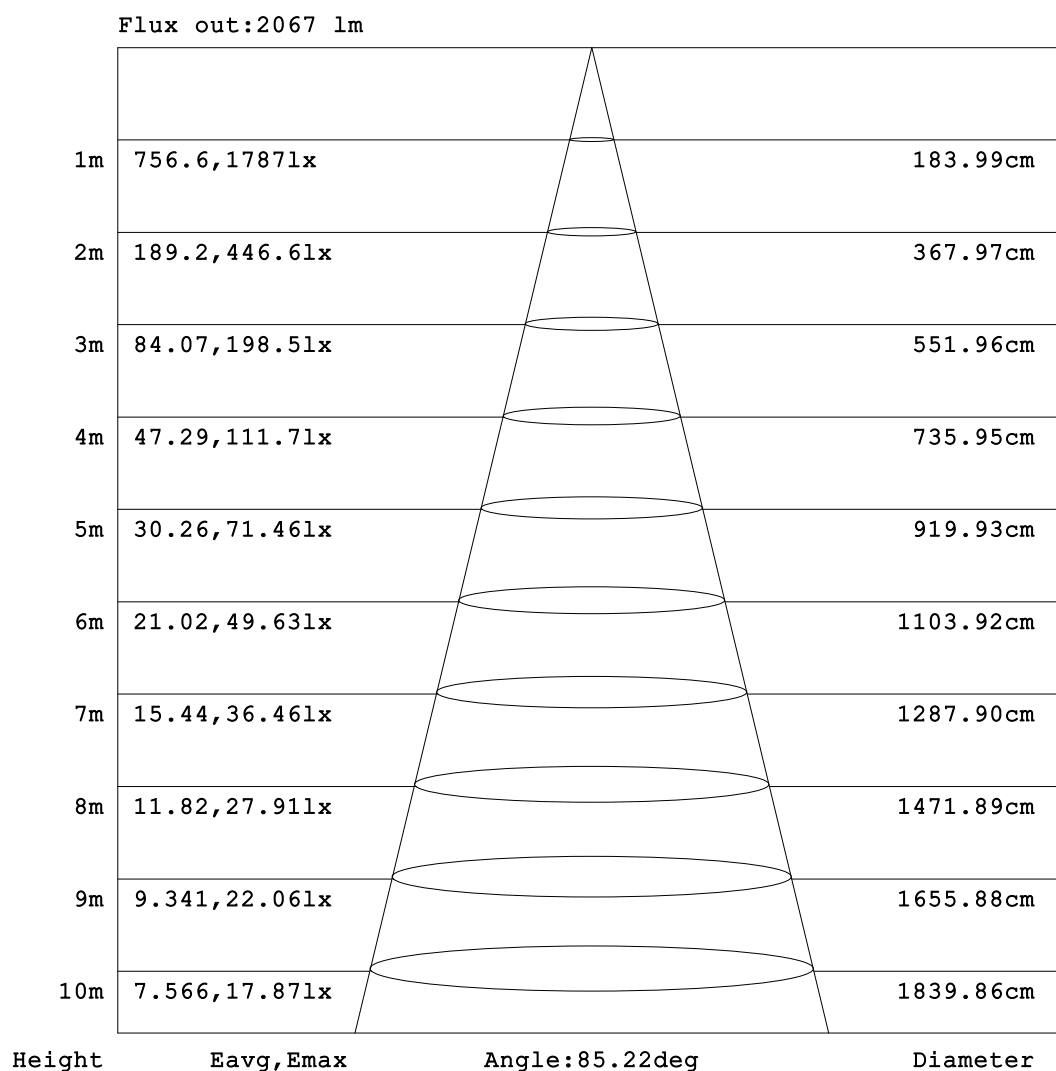
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:Chen Songyu  
Test Date:2024-04-11

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:9.640m [K=1.0000]  
Remarks:



### AAI Figure

|                                                                                                                     |             |                            |
|---------------------------------------------------------------------------------------------------------------------|-------------|----------------------------|
| Test:U:240.34V I:0.1704A P:23.650W PF:0.5775 Freq:49.99Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3062.96x1 lm |             |                            |
| Name: TS-24W-W                                                                                                      | Type: 24W   | Weight:                    |
| SPEC.: 5000K                                                                                                        | DIM.:       | Instrument No.: HUP-IES-B3 |
| MFR.: EVERFINE                                                                                                      | SUR.: 0.035 | shielding angle:           |



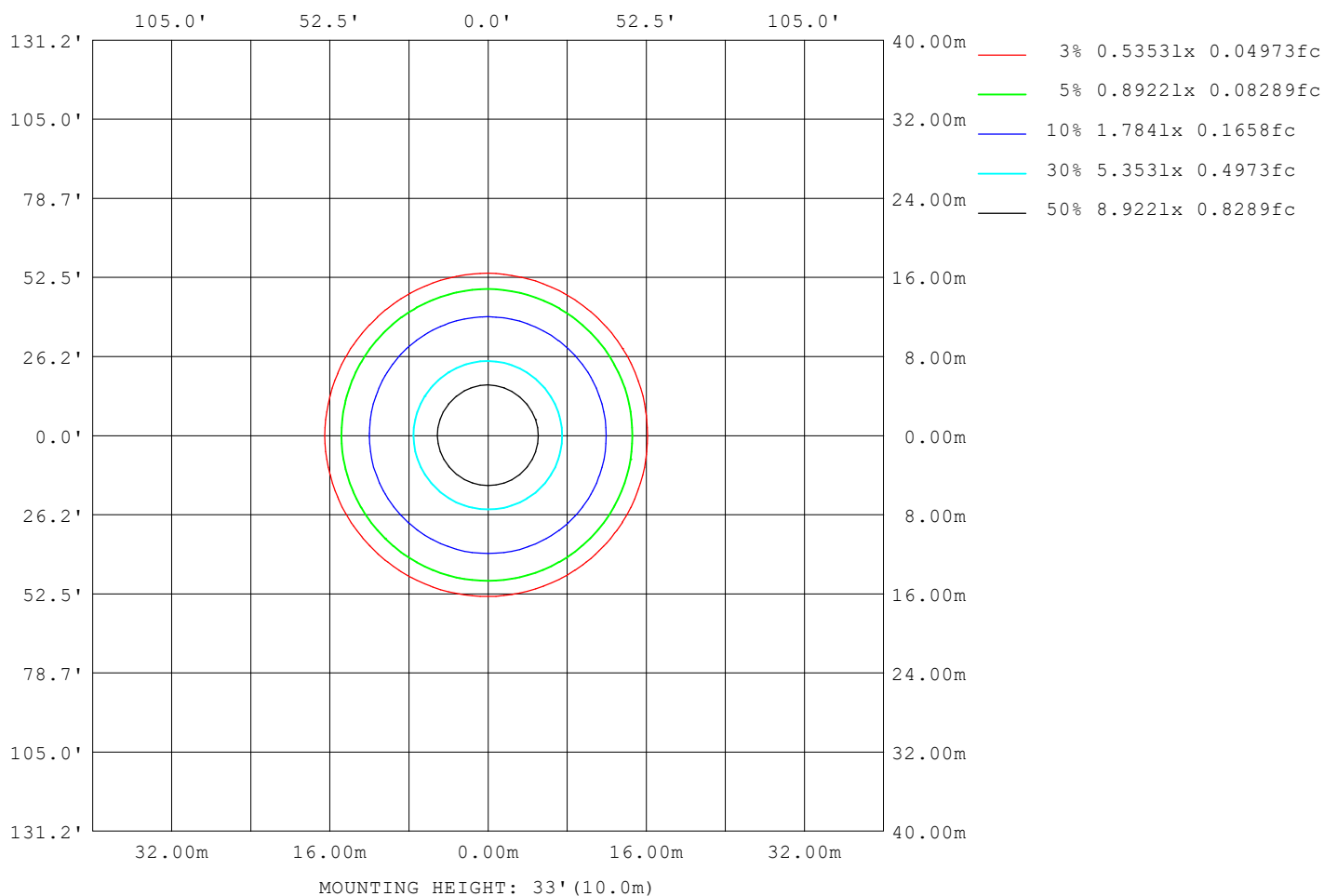
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:Chen Songyu  
Test Date:2024-04-11

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:9.640m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

|                                                                                                                     |             |                            |
|---------------------------------------------------------------------------------------------------------------------|-------------|----------------------------|
| Test:U:240.34V I:0.1704A P:23.650W PF:0.5775 Freq:49.99Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3062.96x1 lm |             |                            |
| Name: TS-24W-W                                                                                                      | Type: 24W   | Weight:                    |
| SPEC.: 5000K                                                                                                        | DIM.:       | Instrument No.: HUP-IES-B3 |
| MFR.: EVERFINE                                                                                                      | SUR.: 0.035 | shielding angle:           |



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: Chen Songyu  
Test Date: 2024-04-11

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000H\_V1 SYSTEM V2.00.456  
Humidity: 65.0%  
Test Distance: 9.640m [K=1.0000]  
Remarks:

### LED Avg.L Report

|                                                                                                                     |             |                            |
|---------------------------------------------------------------------------------------------------------------------|-------------|----------------------------|
| Test:U:240.34V I:0.1704A P:23.650W PF:0.5775 Freq:49.99Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3062.96x1 lm |             |                            |
| Name: TS-24W-W                                                                                                      | Type: 24W   | Weight:                    |
| SPEC.: 5000K                                                                                                        | DIM.:       | Instrument No.: HUP-IES-B3 |
| MFR.: EVERFINE                                                                                                      | SUR.: 0.035 | shielding angle:           |

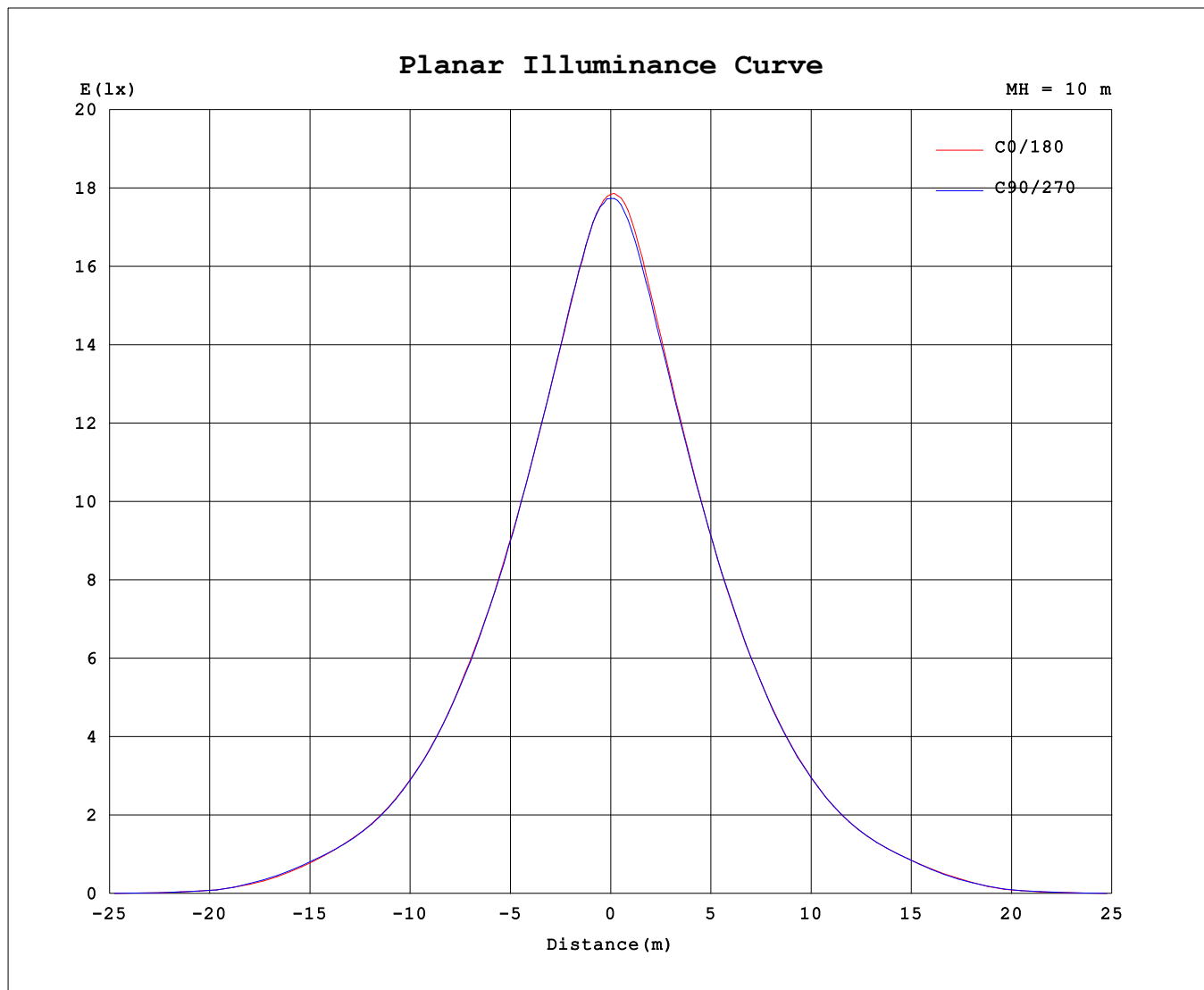
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 19703 |
| L_0~180 (75) av  | 3772  |
| L_0~180 (85) av  | 3651  |
| L_90~270 (65) av | 20163 |
| L_90~270 (75) av | 3619  |
| L_90~270 (85) av | 3462  |
| L_45 (65) av     | 20136 |
| L_45 (75) av     | 3660  |
| L_45 (85) av     | 3566  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:Chen Songyu  
Test Date:2024-04-11

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:9.640m [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: 2024-04-11

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000H\_V1 SYSTEM V2.00.456  
Humidity: 65.0%  
Test Distance: 9.640m [K=1.0000]  
Remarks:

|                                                                                                                                   |                    |                                   |
|-----------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------------------|
| <b>Test:U:240.34V I:0.1704A P:23.650W PF:0.5775 Freq:49.99Hz</b><br><b>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3062.96x1 lm</b> |                    |                                   |
| <b>Name:</b> TS-24W-W                                                                                                             | <b>Type:</b> 24W   | <b>Weight:</b>                    |
| <b>SPEC.:</b> 5000K                                                                                                               | <b>DIM.:</b>       | <b>Instrument No.:</b> HUP-IES-B3 |
| <b>MFR.:</b> EVERFINE                                                                                                             | <b>SUR.:</b> 0.035 | <b>shielding angle:</b>           |

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:9.640m [K=1.0000]
Remarks:

```