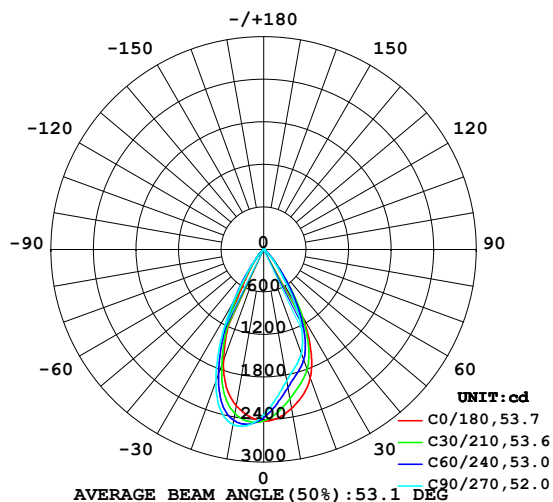


## LUMINAIRE PHOTOMETRIC TEST REPORT

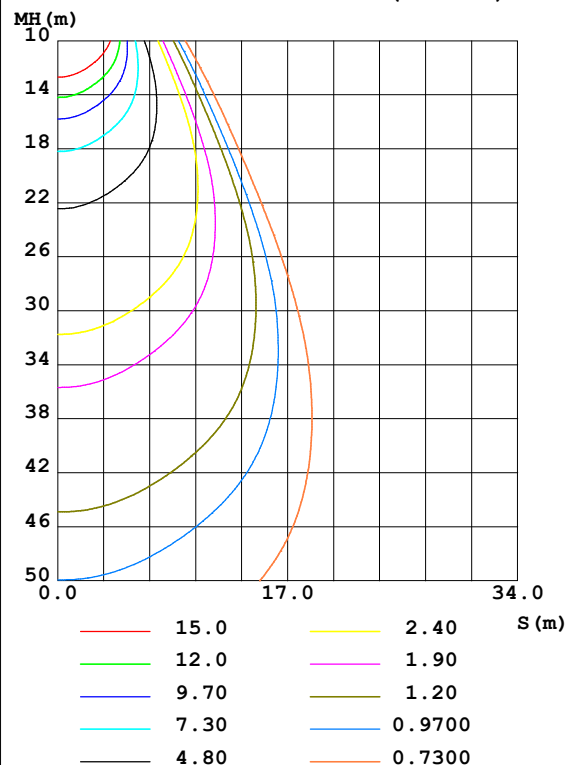
|                                                                                  |              |                  |
|----------------------------------------------------------------------------------|--------------|------------------|
| Test:U:218.10V I:0.1157A P:24.398W PF:0.9671 Freq:49.99Hz Lamp Flux:1833.91x1 lm |              |                  |
| NAME:                                                                            | TYPE:SMD3535 | WEIGHT:          |
| SPEC.:3000K                                                                      | DIM.:        | SERIAL No.:001   |
| MFR.: Hangzhou XRZLux Co.,Ltd                                                    | SUR.:        | Shielding Angle: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA Eff: 75.17 lm/W |        |                   |          |
|------------------|---------|----------------------------------|--------|-------------------|----------|
| MODEL            | HG-S10Q | I <sub>max</sub> (cd)            | 2517   | S/MH (C0/180)     | 0.74     |
| NOMINAL POWER(W) | 24      | LOR(%)                           | 100.0  | S/MH (C90/270)    | 0.81     |
| RATED VOLTAGE(V) | 220     | TOTAL FLUX(lm)                   | 1833.9 | η UP,DN(C0-180)   | 0.7,48.7 |
| NOMINAL FLUX(lm) | 1833.91 | CIE CLASS                        | DIRECT | η UP,DN(C180-360) | 0.7,49.9 |
| LAMPS INSIDE     | 1       | η up (%)                         | 1.4    | CIBSE SHR NOM     | 0.75     |
| TEST VOLTAGE(V)  | 219.9   | η down (%)                       | 98.6   | CIBSE SHR MAX     | 0.85     |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2025-12-02

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:4.234m [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       | 2275                  | 2058   | 1881   | 1840   | 2236   | 2397   | 2506   | 2431   | 0- 10    | 215.8       | 215.8        | 11.8,11.8  |
| 20       | 1926                  | 1726   | 1557   | 1522   | 1661   | 1802   | 1975   | 2053   | 10- 20   | 567.0       | 782.8        | 42.7,42.7  |
| 30       | 1100                  | 1046   | 891.3  | 835.4  | 620.8  | 806.7  | 852.2  | 1050   | 20- 30   | 619.5       | 1402         | 76.5,76.5  |
| 40       | 292.8                 | 314.5  | 252.8  | 223.7  | 155.9  | 173.5  | 192.1  | 249.4  | 30- 40   | 317.4       | 1720         | 93.8,93.8  |
| 50       | 12.96                 | 55.67  | 9.332  | 19.39  | 1.598  | 8.685  | 3.680  | 28.46  | 40- 50   | 83.90       | 1803         | 98.3,98.3  |
| 60       | 0.7263                | 0.7409 | 0.6359 | 0.5519 | 0.4565 | 0.4079 | 0.4420 | 0.5518 | 50- 60   | 3.785       | 1807         | 98.5,98.5  |
| 70       | 0.3198                | 0.2870 | 0.2863 | 0.2259 | 0.2022 | 0.1750 | 0.2038 | 0.2227 | 60- 70   | 0.3624      | 1808         | 98.6,98.6  |
| 80       | 0.1351                | 0.1336 | 0.1489 | 0.1095 | 0.0852 | 0.0911 | 0.1133 | 0.1070 | 70- 80   | 0.1757      | 1808         | 98.6,98.6  |
| 90       | 0.0509                | 0.0732 | 0.0942 | 0.0834 | 0.0675 | 0.0821 | 0.0776 | 0.0719 | 80- 90   | 0.0955      | 1808         | 98.6,98.6  |
| 100      | 0.1791                | 0.2214 | 0.2676 | 0.3233 | 0.2639 | 0.2909 | 0.2454 | 0.2094 | 90-100   | 0.1494      | 1808         | 98.6,98.6  |
| 110      | 0.8630                | 0.9774 | 1.165  | 1.315  | 1.146  | 1.110  | 0.9867 | 0.8365 | 100-110  | 0.6054      | 1809         | 98.6,98.6  |
| 120      | 2.661                 | 2.845  | 3.266  | 3.474  | 3.139  | 2.892  | 2.633  | 2.354  | 110-120  | 1.865       | 1811         | 98.7,98.7  |
| 130      | 5.365                 | 5.610  | 6.132  | 6.325  | 5.859  | 5.387  | 4.995  | 4.659  | 120-130  | 3.720       | 1814         | 98.9,98.9  |
| 140      | 8.330                 | 8.440  | 8.805  | 8.872  | 8.577  | 8.011  | 7.625  | 7.337  | 130-140  | 5.318       | 1820         | 99.2,99.2  |
| 150      | 10.50                 | 10.36  | 10.35  | 10.26  | 10.29  | 9.927  | 9.720  | 9.615  | 140-150  | 5.796       | 1825         | 99.5,99.5  |
| 160      | 10.81                 | 10.66  | 10.29  | 10.10  | 10.14  | 10.22  | 10.28  | 10.38  | 150-160  | 4.797       | 1830         | 99.8,99.8  |
| 170      | 9.962                 | 9.845  | 9.498  | 9.254  | 9.359  | 9.460  | 9.740  | 9.885  | 160-170  | 2.850       | 1833         | 100,100    |
| 180      | 9.698                 | 9.638  | 9.516  | 9.647  | 9.728  | 9.636  | 9.507  | 9.642  | 170-180  | 0.9092      | 1834         | 100,100    |
| DEG      | LUMINOUS INTENSITY:cd |        |        |        |        |        |        |        |          | UNIT:lm     |              |            |

Conical surface Flux(90deg): 1780.1 lm

%lum = 97.1%

%lamp = 97.1%

Conical surface Flux(120deg): 1807.3 lm

%lum = 98.5%

%lamp = 98.5%

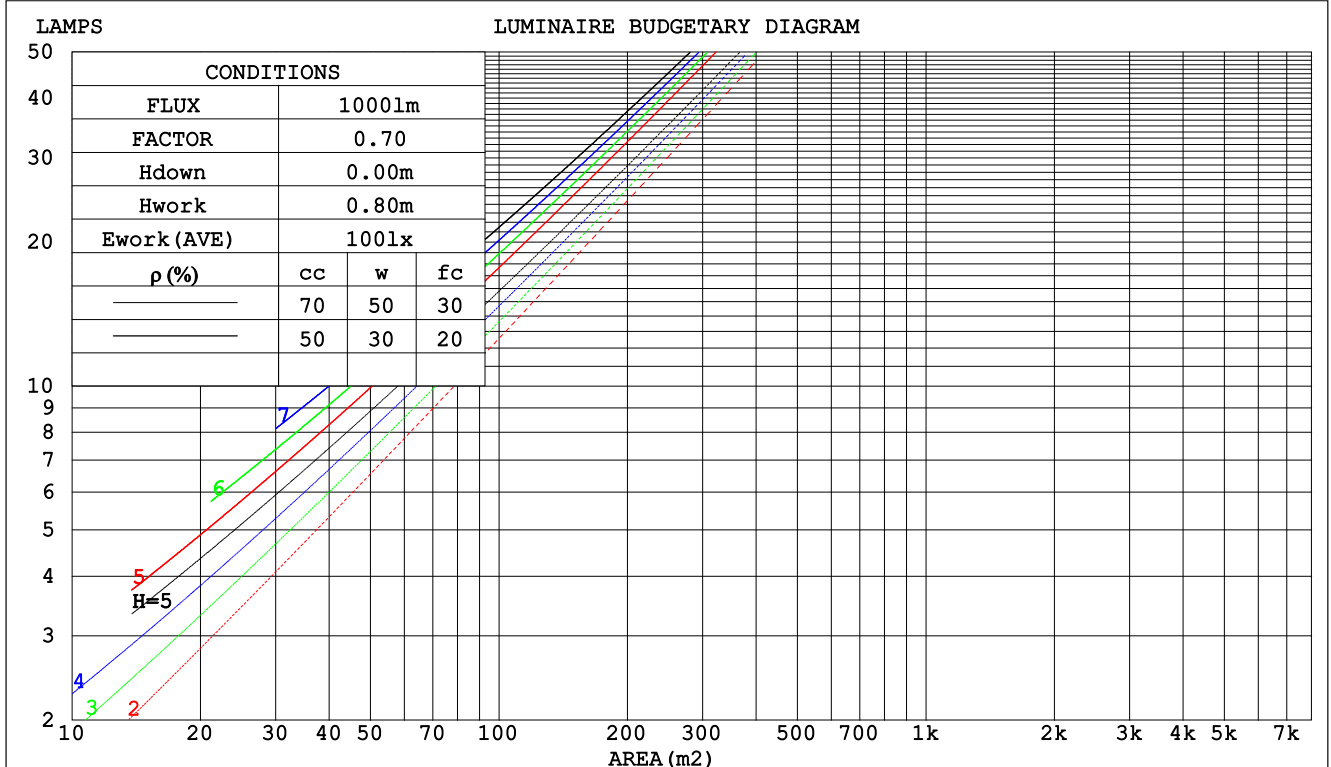
C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2025-12-02

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:4.234m [K=1.0000]  
 Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                                  |              |                  |
|----------------------------------------------------------------------------------|--------------|------------------|
| Test:U:218.10V I:0.1157A P:24.398W PF:0.9671 Freq:49.99Hz Lamp Flux:1833.91x1 lm |              |                  |
| NAME:                                                                            | TYPE:SMD3535 | WEIGHT:          |
| SPEC.:3000K                                                                      | DIM.:        | SERIAL No.:001   |
| MFR.: Hangzhou XRZLux Co.,Ltd                                                    | SUR.:        | Shielding Angle: |

| pcc  | 80%                             |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0   |
|------|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| pw   | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0   |
| pfc  | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0   |
| RCR  | Coefficients of Utilization(CU) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |
| 0.0  | 1.19                            | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.10 | 1.10 | 1.10 | 1.05 | 1.05 | 1.05 | 1.01 | 1.01 | 1.01 | .99 |
| 1.0  | 1.11                            | 1.08 | 1.06 | 1.08 | 1.06 | 1.04 | 1.04 | 1.02 | 1.01 | 1.00 | .99  | .98  | .97  | .96  | .95  | .93 |
| 2.0  | 1.03                            | .90  | .96  | 1.02 | .98  | .95  | .98  | .95  | .93  | .95  | .93  | .91  | .92  | .90  | .89  | .87 |
| 3.0  | .97                             | .92  | .88  | .95  | .91  | .88  | .93  | .89  | .86  | .90  | .87  | .84  | .88  | .85  | .83  | .81 |
| 4.0  | .91                             | .86  | .82  | .90  | .85  | .81  | .87  | .83  | .80  | .85  | .82  | .79  | .83  | .80  | .78  | .76 |
| 5.0  | .85                             | .80  | .76  | .84  | .79  | .75  | .83  | .78  | .75  | .81  | .77  | .74  | .79  | .76  | .73  | .72 |
| 6.0  | .81                             | .75  | .71  | .80  | .74  | .70  | .78  | .73  | .70  | .77  | .72  | .69  | .75  | .72  | .69  | .67 |
| 7.0  | .76                             | .70  | .66  | .75  | .70  | .66  | .74  | .69  | .66  | .73  | .68  | .65  | .71  | .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  | .59  | .68  | .62  | .58  | .66  | .62  | .58  | .66  | .61  | .58  | .65  | .61  | .58  | .56 |
| 10.0 | .65                             | .59  | .55  | .64  | .59  | .55  | .63  | .58  | .55  | .62  | .58  | .55  | .62  | .58  | .55  | .53 |



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2025-12-02

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:4.234m [K=1.0000]  
Remarks:

### WEC AND CCEC

|                                                                                  |  |              |  |                  |  |
|----------------------------------------------------------------------------------|--|--------------|--|------------------|--|
| Test:U:218.10V I:0.1157A P:24.398W PF:0.9671 Freq:49.99Hz Lamp Flux:1833.91x1 lm |  |              |  |                  |  |
| NAME:                                                                            |  | TYPE:SMD3535 |  | WEIGHT:          |  |
| SPEC.:3000K                                                                      |  | DIM.:        |  | SERIAL No.:001   |  |
| MFR.: Hangzhou XRZLux Co.,Ltd                                                    |  | SUR.:        |  | Shielding Angle: |  |

| pcc  | 80%                   |      |      | 70%  |      |      | 50%                            |      |      | 30%  |      |      | 10%  |      |      | 0 |  |
|------|-----------------------|------|------|------|------|------|--------------------------------|------|------|------|------|------|------|------|------|---|--|
| pw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                            | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |  |
| pfc  | 20%                   |      |      | 20%  |      |      | 20%                            |      |      | 20%  |      |      | 20%  |      |      | 0 |  |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coeffcients(WEC) |      |      |      |      |      |      |      |      |   |  |
| 0.0  |                       |      |      |      |      |      |                                |      |      |      |      |      |      |      |      |   |  |
| 1.0  | .171                  | .097 | .031 | .164 | .094 | .030 | .151                           | .086 | .028 | .138 | .080 | .026 | .127 | .074 | .024 |   |  |
| 2.0  | .163                  | .090 | .027 | .157 | .087 | .027 | .146                           | .081 | .025 | .136 | .076 | .024 | .126 | .071 | .022 |   |  |
| 3.0  | .156                  | .083 | .025 | .150 | .081 | .024 | .141                           | .076 | .023 | .132 | .072 | .022 | .124 | .068 | .021 |   |  |
| 4.0  | .148                  | .077 | .023 | .144 | .075 | .022 | .135                           | .072 | .021 | .128 | .069 | .021 | .120 | .065 | .020 |   |  |
| 5.0  | .141                  | .072 | .021 | .138 | .071 | .021 | .130                           | .068 | .020 | .123 | .065 | .019 | .117 | .063 | .019 |   |  |
| 6.0  | .135                  | .068 | .019 | .132 | .067 | .019 | .125                           | .064 | .019 | .119 | .062 | .018 | .114 | .060 | .018 |   |  |
| 7.0  | .129                  | .064 | .018 | .126 | .063 | .018 | .121                           | .061 | .018 | .115 | .059 | .017 | .110 | .057 | .017 |   |  |
| 8.0  | .124                  | .061 | .017 | .121 | .060 | .017 | .116                           | .058 | .017 | .111 | .056 | .016 | .107 | .055 | .016 |   |  |
| 9.0  | .119                  | .058 | .016 | .116 | .057 | .016 | .112                           | .055 | .016 | .107 | .054 | .015 | .103 | .052 | .015 |   |  |
| 10.0 | .114                  | .055 | .015 | .112 | .054 | .015 | .108                           | .053 | .015 | .104 | .052 | .015 | .100 | .050 | .014 |   |  |

| 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  | .201                  | .201 | .201 | .172 | .172 | .172 | .117                                       | .117 | .117 | .067 | .067 | .067 | .022 | .022 | .022 |   |
| 1.0  | .182                  | .168 | .156 | .155 | .144 | .134 | .106                                       | .099 | .093 | .061 | .057 | .054 | .020 | .019 | .017 |   |
| 2.0  | .166                  | .143 | .125 | .142 | .124 | .108 | .097                                       | .085 | .075 | .056 | .050 | .044 | .018 | .016 | .014 |   |
| 3.0  | .153                  | .125 | .102 | .132 | .107 | .088 | .090                                       | .075 | .062 | .052 | .044 | .036 | .017 | .014 | .012 |   |
| 4.0  | .143                  | .110 | .084 | .123 | .095 | .073 | .084                                       | .066 | .052 | .049 | .039 | .031 | .016 | .013 | .010 |   |
| 5.0  | .134                  | .098 | .072 | .115 | .085 | .062 | .079                                       | .059 | .044 | .046 | .035 | .026 | .015 | .011 | .009 |   |
| 6.0  | .127                  | .089 | .062 | .109 | .077 | .054 | .075                                       | .054 | .038 | .044 | .032 | .023 | .014 | .010 | .007 |   |
| 7.0  | .120                  | .081 | .054 | .104 | .070 | .047 | .072                                       | .049 | .033 | .042 | .029 | .020 | .013 | .010 | .007 |   |
| 8.0  | .115                  | .075 | .048 | .099 | .065 | .042 | .068                                       | .046 | .030 | .040 | .027 | .018 | .013 | .009 | .006 |   |
| 9.0  | .110                  | .070 | .043 | .094 | .061 | .037 | .065                                       | .043 | .027 | .038 | .025 | .016 | .012 | .008 | .005 |   |
| 10.0 | .105                  | .065 | .039 | .091 | .057 | .034 | .063                                       | .040 | .024 | .037 | .024 | .014 | .012 | .008 | .005 |   |

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2025-12-02

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:4.234m [K=1.0000]  
Remarks:

### UGR(Unified Glare Rating) Table

|                                                                                  |                  |      |      |      |              |                |      |                  |      |      |      |      |
|----------------------------------------------------------------------------------|------------------|------|------|------|--------------|----------------|------|------------------|------|------|------|------|
| Test:U:218.10V I:0.1157A P:24.398W PF:0.9671 Freq:49.99Hz Lamp Flux:1833.91x1 lm |                  |      |      |      |              |                |      |                  |      |      |      |      |
| NAME:                                                                            |                  |      |      |      | TYPE:SMD3535 |                |      | WEIGHT:          |      |      |      |      |
| SPEC.:3000K                                                                      |                  |      |      |      | DIM.:        |                |      | SERIAL No.:001   |      |      |      |      |
| MFR.: Hangzhou XRZLux Co.,Ltd                                                    |                  |      |      |      | SUR.:        |                |      | Shielding Angle: |      |      |      |      |
| ceiling/cavity                                                                   | 0.7              | 0.7  | 0.5  | 0.5  | 0.3          | 0.7            | 0.7  | 0.5              | 0.5  | 0.3  |      |      |
| walls                                                                            | 0.5              | 0.3  | 0.5  | 0.3  | 0.3          | 0.5            | 0.3  | 0.5              | 0.3  | 0.3  |      |      |
| working plane                                                                    | 0.2              | 0.2  | 0.2  | 0.2  | 0.2          | 0.2            | 0.2  | 0.2              | 0.2  | 0.2  |      |      |
| Room dimensions                                                                  | Viewed crosswise |      |      |      |              | Viewed endwise |      |                  |      |      |      |      |
| x = 2H y = 2H                                                                    | 27.3             | 28.2 | 27.6 | 28.4 | 28.6         | 26.7           | 27.6 | 27.0             | 27.8 | 28.0 |      |      |
|                                                                                  | 3H               | 27.2 | 28.0 | 27.5 | 28.2         | 28.4           | 26.6 | 27.4             | 26.8 | 27.6 | 27.8 |      |
|                                                                                  | 4H               | 27.1 | 27.9 | 27.4 | 28.1         | 28.4           | 26.5 | 27.2             | 26.8 | 27.5 | 27.7 |      |
|                                                                                  | 6H               | 27.0 | 27.7 | 27.3 | 28.0         | 28.3           | 26.4 | 27.1             | 26.7 | 27.4 | 27.6 |      |
|                                                                                  | 8H               | 26.9 | 27.6 | 27.3 | 27.9         | 28.2           | 26.3 | 27.0             | 26.7 | 27.3 | 27.6 |      |
|                                                                                  | 12H              | 26.9 | 27.6 | 27.2 | 27.9         | 28.2           | 26.3 | 26.9             | 26.6 | 27.2 | 27.5 |      |
|                                                                                  | 4H               | 2H   | 27.1 | 27.9 | 27.4         | 28.1           | 28.4 | 26.5             | 27.2 | 26.8 | 27.5 | 27.7 |
|                                                                                  |                  | 3H   | 26.9 | 27.6 | 27.2         | 27.9           | 28.2 | 26.3             | 26.9 | 26.6 | 27.2 | 27.5 |
|                                                                                  |                  | 4H   | 26.8 | 27.4 | 27.2         | 27.7           | 28.1 | 26.2             | 26.8 | 26.5 | 27.1 | 27.4 |
|                                                                                  |                  | 6H   | 26.7 | 27.2 | 27.1         | 27.6           | 28.0 | 26.1             | 26.6 | 26.5 | 27.0 | 27.3 |
|                                                                                  |                  | 8H   | 26.6 | 27.1 | 27.1         | 27.5           | 27.9 | 26.0             | 26.5 | 26.4 | 26.9 | 27.3 |
|                                                                                  |                  | 12H  | 26.6 | 27.0 | 27.0         | 27.4           | 27.9 | 26.0             | 26.4 | 26.4 | 26.8 | 27.2 |
|                                                                                  | 8H               | 4H   | 26.6 | 27.1 | 27.1         | 27.5           | 27.9 | 26.0             | 26.5 | 26.4 | 26.9 | 27.3 |
|                                                                                  |                  | 6H   | 26.5 | 26.9 | 27.0         | 27.4           | 27.8 | 25.9             | 26.3 | 26.4 | 26.7 | 27.2 |
|                                                                                  |                  | 8H   | 26.5 | 26.8 | 27.0         | 27.3           | 27.8 | 25.9             | 26.2 | 26.3 | 26.7 | 27.1 |
|                                                                                  |                  | 12H  | 26.4 | 26.7 | 26.9         | 27.2           | 27.7 | 25.8             | 26.1 | 26.3 | 26.6 | 27.1 |
|                                                                                  | 12H              | 4H   | 26.6 | 27.0 | 27.0         | 27.4           | 27.9 | 26.0             | 26.4 | 26.4 | 26.8 | 27.2 |
|                                                                                  |                  | 6H   | 26.5 | 26.8 | 27.0         | 27.3           | 27.8 | 25.9             | 26.2 | 26.3 | 26.7 | 27.1 |
|                                                                                  |                  | 8H   | 26.4 | 26.7 | 26.9         | 27.2           | 27.7 | 25.8             | 26.1 | 26.3 | 26.6 | 27.1 |
| Variations with the observer position at spacings:                               |                  |      |      |      |              |                |      |                  |      |      |      |      |
| S = 1.0H                                                                         | + 2.8 / -28.8    |      |      |      |              | + 2.9 / -28.5  |      |                  |      |      |      |      |
| 1.5H                                                                             | + 4.8 / -22.3    |      |      |      |              | + 4.7 / -21.1  |      |                  |      |      |      |      |
| 2.0H                                                                             | + 7.5 / -23.8    |      |      |      |              | + 6.9 / -23.3  |      |                  |      |      |      |      |

CIE Pub.117, 1834 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.1)  
Area: 0.00049 m2

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2025-12-02

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:4.234m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

|                                                                                  |              |                  |
|----------------------------------------------------------------------------------|--------------|------------------|
| Test:U:218.10V I:0.1157A P:24.398W PF:0.9671 Freq:49.99Hz Lamp Flux:1833.91x1 lm |              |                  |
| NAME:                                                                            | TYPE:SMD3535 | WEIGHT:          |
| SPEC.:3000K                                                                      | DIM.:        | SERIAL No.:001   |
| MFR.: Hangzhou XRZLux Co.,Ltd                                                    | SUR.:        | Shielding Angle: |

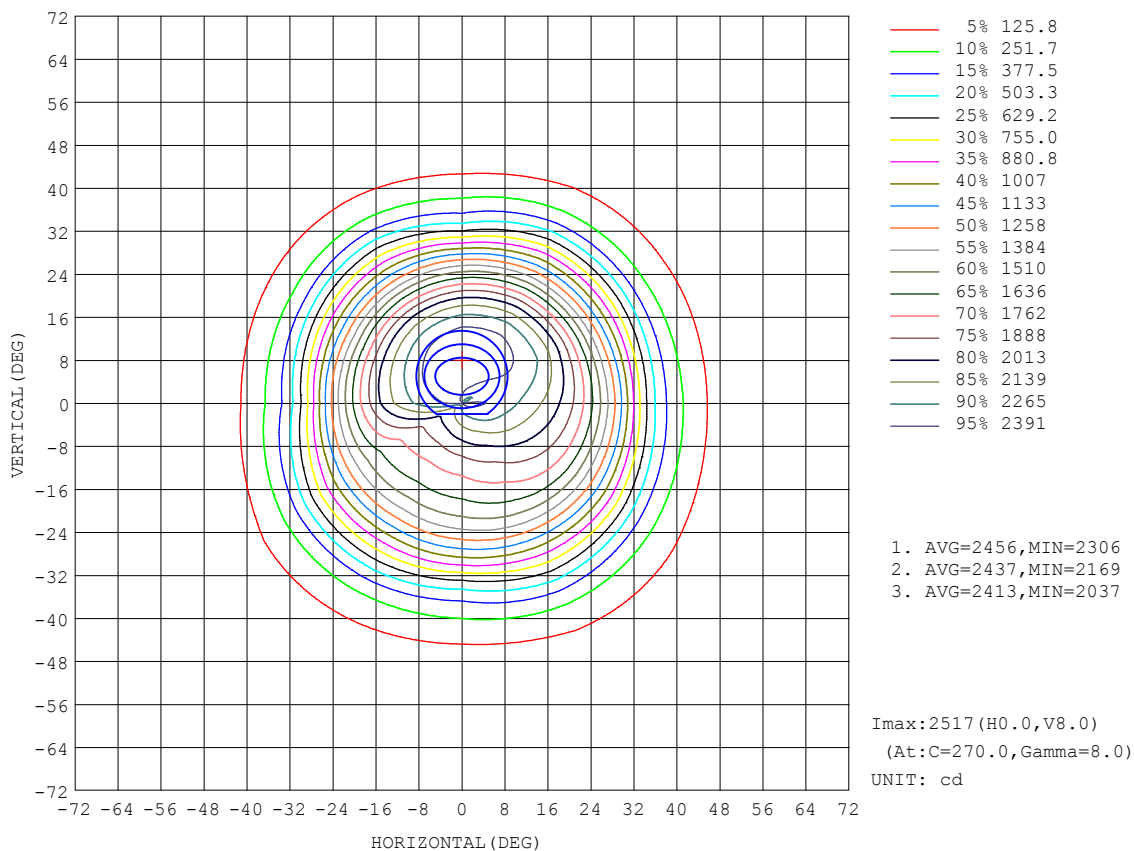
| REFLECTANCE                      |                                                      |     |           |     |     |     |     |               |     |        |
|----------------------------------|------------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8                                                  | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 0.5 | 0.5           | 0.5 | 0      |
| Walls                            | 0.7                                                  | 0.5 | 0.3       | 0.7 | 0.5 | 0.3 | 0.7 | 0.5           | 0.3 | 0      |
| Working plane                    | 0.2                                                  | 0.2 | 0.2       | 0.2 | 0.2 | 0.2 | 0.2 | 0.2           | 0.2 | 0      |
| ROOM INDEX                       | UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 88                                                   | 81  | 78        | 87  | 81  | 78  | 86  | 81            | 77  | 74     |
| 0.80                             | 95                                                   | 89  | 86        | 94  | 89  | 86  | 93  | 88            | 85  | 81     |
| 1.00                             | 99                                                   | 94  | 90        | 99  | 93  | 90  | 97  | 93            | 90  | 86     |
| 1.25                             | 103                                                  | 98  | 95        | 102 | 98  | 94  | 100 | 96            | 94  | 89     |
| 1.50                             | 106                                                  | 101 | 98        | 105 | 101 | 98  | 102 | 99            | 96  | 92     |
| 2.00                             | 109                                                  | 104 | 101       | 107 | 103 | 101 | 104 | 101           | 99  | 93     |
| 2.50                             | 110                                                  | 106 | 104       | 108 | 105 | 103 | 105 | 103           | 100 | 94     |
| 3.00                             | 112                                                  | 108 | 106       | 110 | 107 | 104 | 106 | 104           | 102 | 95     |
| 4.00                             | 114                                                  | 111 | 109       | 111 | 109 | 107 | 108 | 106           | 104 | 97     |
| 5.00                             | 115                                                  | 113 | 111       | 113 | 111 | 109 | 108 | 107           | 106 | 98     |
| ROOM INDEX                       | UF (total)                                           |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                      |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2025-12-02

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:4.234m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

|                                                                                  |              |                  |
|----------------------------------------------------------------------------------|--------------|------------------|
| Test:U:218.10V I:0.1157A P:24.398W PF:0.9671 Freq:49.99Hz Lamp Flux:1833.91x1 lm |              |                  |
| NAME:                                                                            | TYPE:SMD3535 | WEIGHT:          |
| SPEC.:3000K                                                                      | DIM.:        | SERIAL No.:001   |
| MFR.: Hangzhou XRZLux Co.,Ltd                                                    | SUR.:        | Shielding Angle: |

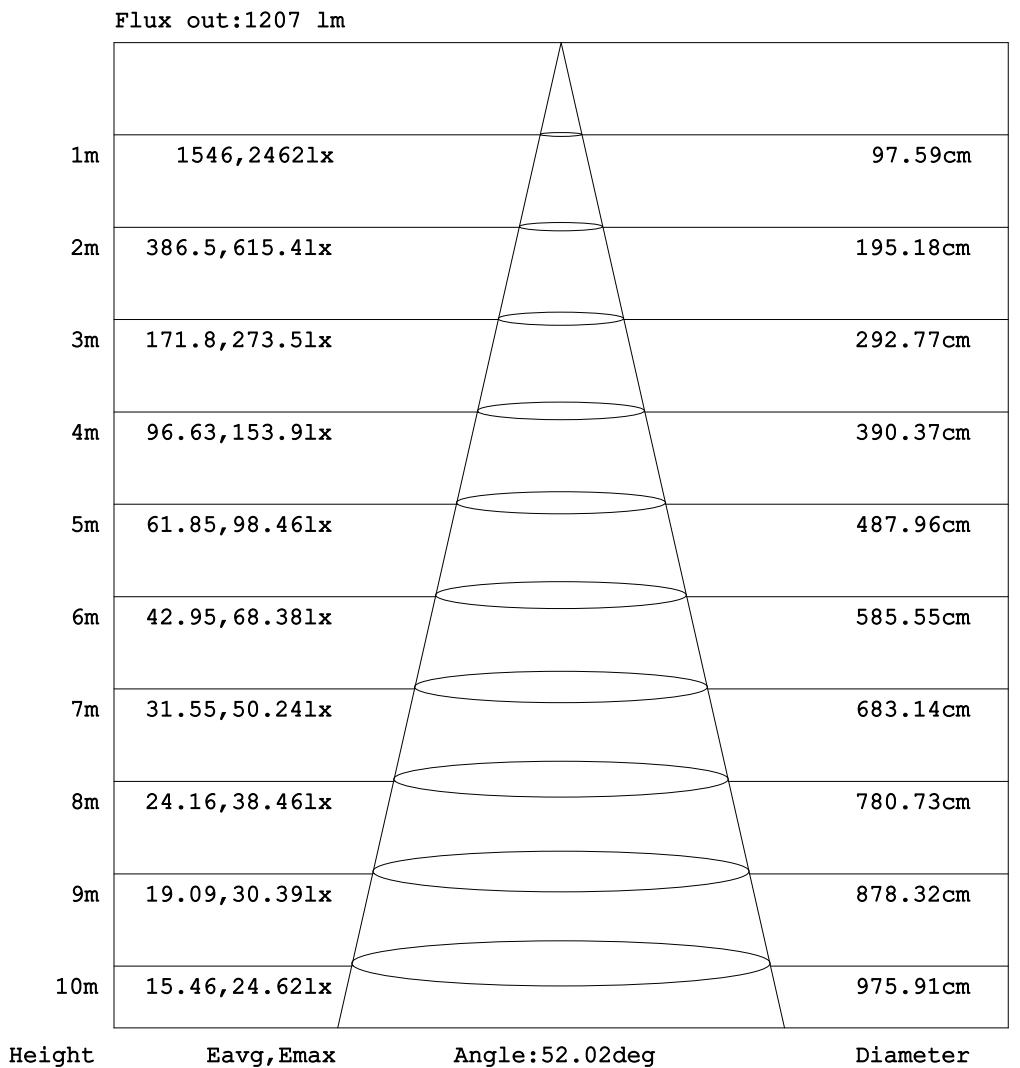


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2025-12-02

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:4.234m [K=1.0000]  
Remarks:

**AAI Figure**

|                                                                                  |              |                  |
|----------------------------------------------------------------------------------|--------------|------------------|
| Test:U:218.10V I:0.1157A P:24.398W PF:0.9671 Freq:49.99Hz Lamp Flux:1833.91x1 lm |              |                  |
| NAME:                                                                            | TYPE:SMD3535 | WEIGHT:          |
| SPEC.:3000K                                                                      | DIM.:        | SERIAL No.:001   |
| MFR.: Hangzhou XRZLux Co.,Ltd                                                    | SUR.:        | Shielding Angle: |



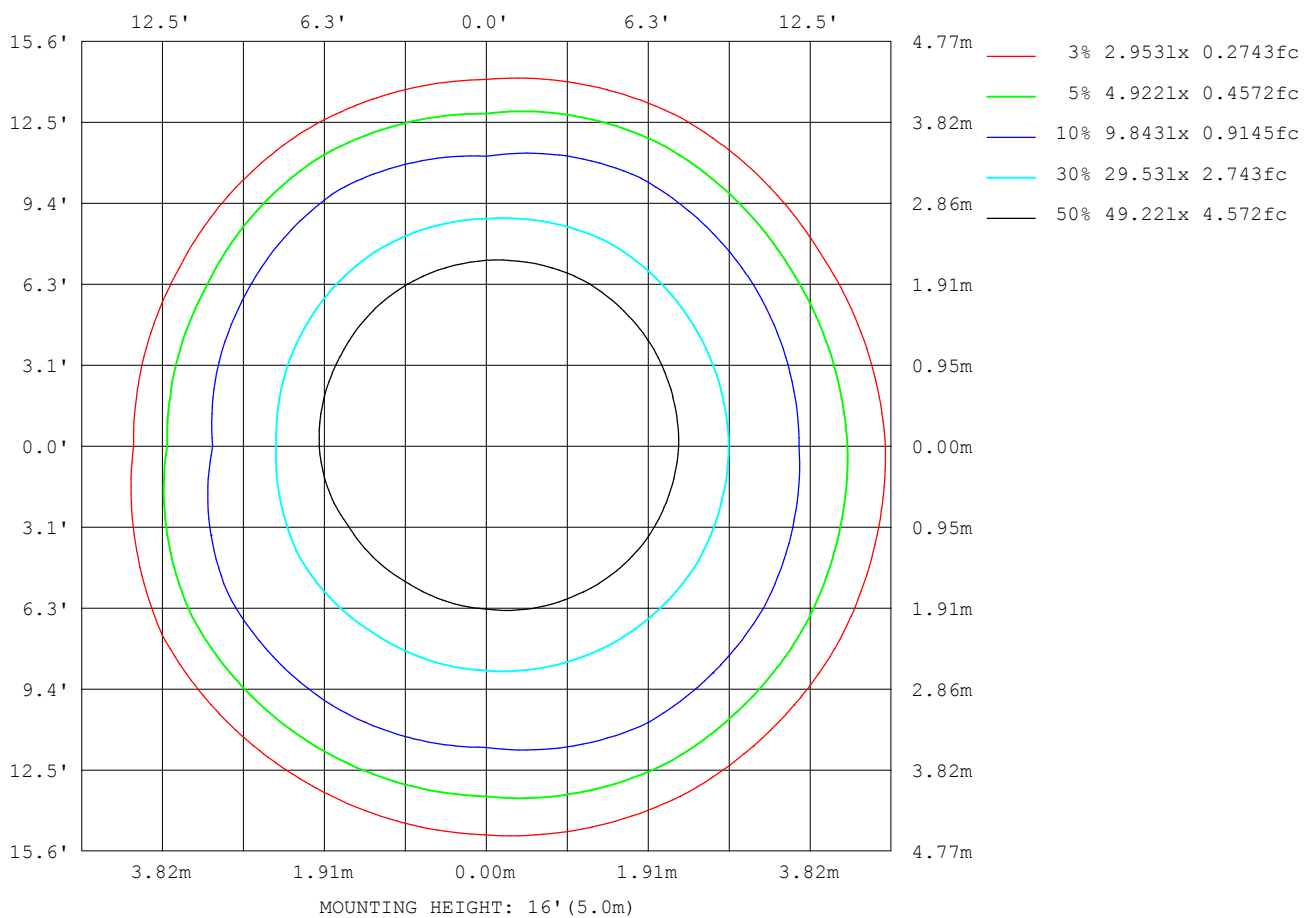
**Note:**The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2025-12-02

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:4.234m [K=1.0000]  
Remarks:

### ISOLUX DIAGRAM

|                                                                                  |              |                  |
|----------------------------------------------------------------------------------|--------------|------------------|
| Test:U:218.10V I:0.1157A P:24.398W PF:0.9671 Freq:49.99Hz Lamp Flux:1833.91x1 lm |              |                  |
| NAME:                                                                            | TYPE:SMD3535 | WEIGHT:          |
| SPEC.:3000K                                                                      | DIM.:        | SERIAL No.:001   |
| MFR.: Hangzhou XRZLux Co.,Ltd                                                    | SUR.:        | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2025-12-02

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:4.234m [K=1.0000]  
Remarks:

## LED Avg.L Report

|                                                                                  |              |                  |
|----------------------------------------------------------------------------------|--------------|------------------|
| Test:U:218.10V I:0.1157A P:24.398W PF:0.9671 Freq:49.99Hz Lamp Flux:1833.91x1 lm |              |                  |
| NAME:                                                                            | TYPE:SMD3535 | WEIGHT:          |
| SPEC.:3000K                                                                      | DIM.:        | SERIAL No.:001   |
| MFR.: Hangzhou XRZLux Co.,Ltd                                                    | SUR.:        | Shielding Angle: |

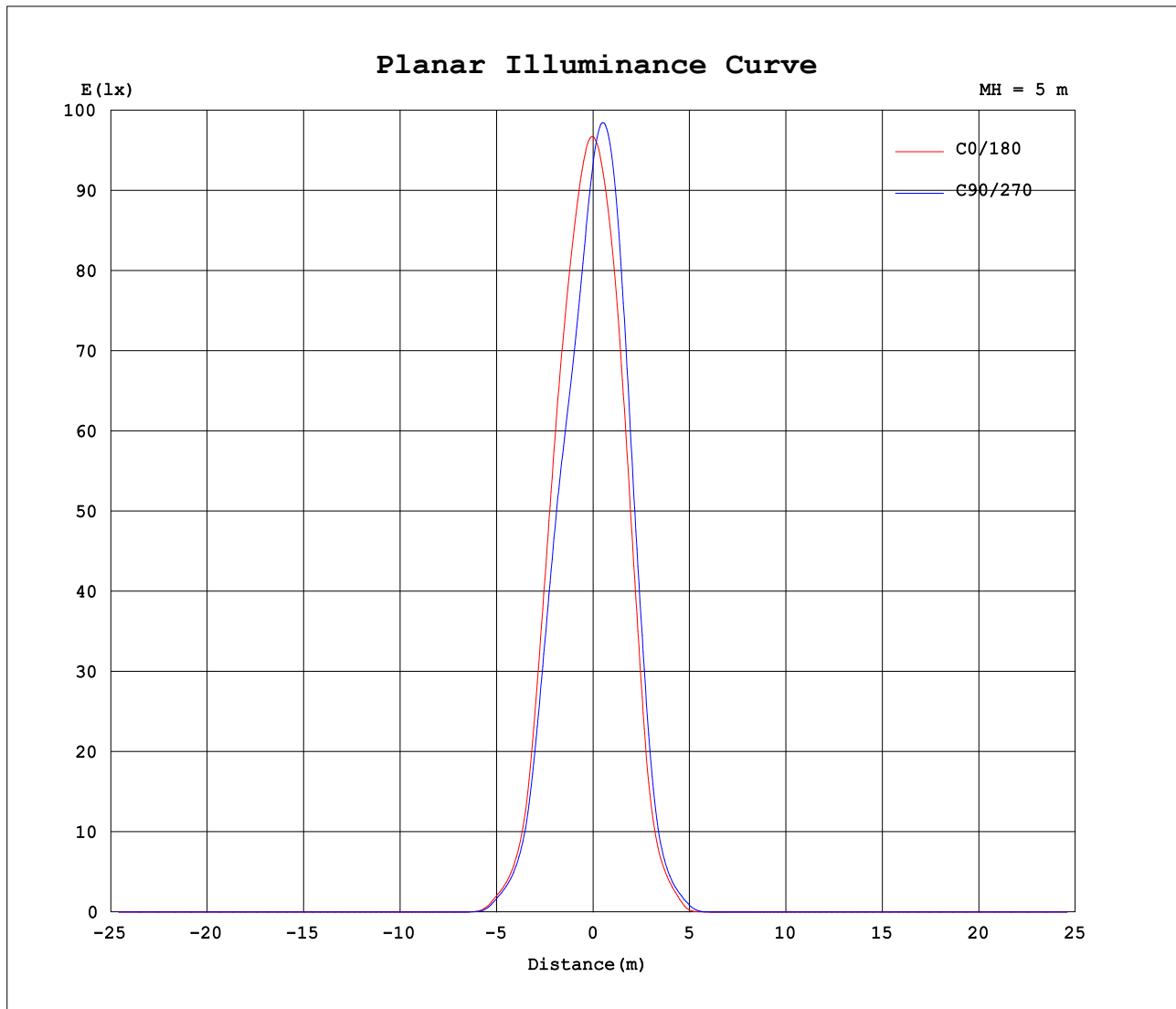
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 1875  |
| L_0~180 (75) av  | 1380  |
| L_0~180 (85) av  | 1670  |
| L_90~270 (65) av | 1724  |
| L_90~270 (75) av | 1381  |
| L_90~270 (85) av | 2479  |
| L_45 (65) av     | 1628  |
| L_45 (75) av     | 1218  |
| L_45 (85) av     | 1892  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2025-12-02

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:4.234m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2025-12-02

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
 Humidity: 65.0%  
 Test Distance: 4.234m [K=1.0000]  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                  |              |                  |
|----------------------------------------------------------------------------------|--------------|------------------|
| Test:U:218.10V I:0.1157A P:24.398W PF:0.9671 Freq:49.99Hz Lamp Flux:1833.91x1 lm |              |                  |
| NAME:                                                                            | TYPE:SMD3535 | WEIGHT:          |
| SPEC.:3000K                                                                      | DIM.:        | SERIAL No.:001   |
| MFR.: Hangzhou XRZLux Co.,Ltd                                                    | SUR.:        | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG)<br>γ (DEG) | 0    | 30   | 60   | 90   | 120  | 150  | 180  | 210  | 240  | 270  | 300  | 330  |  |  |  |  |  |  |  |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|
| 0                  | 2419 | 2418 | 2373 | 2332 | 2257 | 2176 | 2419 | 2418 | 2373 | 2332 | 2257 | 2176 |  |  |  |  |  |  |  |
| 5                  | 2384 | 2303 | 2183 | 2103 | 2034 | 1999 | 2364 | 2436 | 2473 | 2487 | 2429 | 2321 |  |  |  |  |  |  |  |
| 10                 | 2275 | 2139 | 1976 | 1881 | 1836 | 1843 | 2236 | 2348 | 2446 | 2506 | 2482 | 2379 |  |  |  |  |  |  |  |
| 15                 | 2132 | 1976 | 1813 | 1718 | 1688 | 1716 | 2023 | 2130 | 2261 | 2350 | 2374 | 2309 |  |  |  |  |  |  |  |
| 20                 | 1926 | 1797 | 1655 | 1557 | 1512 | 1532 | 1661 | 1734 | 1870 | 1975 | 2059 | 2048 |  |  |  |  |  |  |  |
| 25                 | 1579 | 1500 | 1384 | 1283 | 1214 | 1209 | 1177 | 1234 | 1349 | 1448 | 1557 | 1582 |  |  |  |  |  |  |  |
| 30                 | 1100 | 1088 | 1003 | 891  | 845  | 826  | 621  | 752  | 861  | 852  | 1033 | 1067 |  |  |  |  |  |  |  |
| 35                 | 574  | 650  | 626  | 475  | 481  | 451  | 310  | 351  | 436  | 394  | 554  | 581  |  |  |  |  |  |  |  |
| 40                 | 293  | 315  | 314  | 253  | 233  | 215  | 156  | 161  | 186  | 192  | 242  | 256  |  |  |  |  |  |  |  |
| 45                 | 145  | 158  | 152  | 120  | 116  | 104  | 19.6 | 67.4 | 81.5 | 62.7 | 112  | 121  |  |  |  |  |  |  |  |
| 50                 | 13.0 | 48.3 | 63.0 | 9.33 | 23.2 | 15.6 | 1.60 | 5.41 | 12.0 | 3.68 | 26.1 | 30.8 |  |  |  |  |  |  |  |
| 55                 | 1.30 | 3.97 | 5.13 | 1.14 | 1.97 | 1.43 | 0.72 | 0.76 | 0.95 | 0.78 | 2.05 | 2.57 |  |  |  |  |  |  |  |
| 60                 | 0.73 | 0.76 | 0.72 | 0.64 | 0.58 | 0.52 | 0.46 | 0.42 | 0.40 | 0.44 | 0.50 | 0.60 |  |  |  |  |  |  |  |
| 65                 | 0.47 | 0.45 | 0.42 | 0.42 | 0.36 | 0.32 | 0.30 | 0.27 | 0.25 | 0.30 | 0.30 | 0.36 |  |  |  |  |  |  |  |
| 70                 | 0.32 | 0.30 | 0.28 | 0.29 | 0.24 | 0.21 | 0.20 | 0.18 | 0.17 | 0.20 | 0.20 | 0.24 |  |  |  |  |  |  |  |
| 75                 | 0.21 | 0.20 | 0.19 | 0.20 | 0.17 | 0.14 | 0.14 | 0.12 | 0.12 | 0.15 | 0.14 | 0.16 |  |  |  |  |  |  |  |
| 80                 | 0.14 | 0.13 | 0.14 | 0.15 | 0.13 | 0.09 | 0.09 | 0.08 | 0.10 | 0.11 | 0.10 | 0.11 |  |  |  |  |  |  |  |
| 85                 | 0.08 | 0.08 | 0.11 | 0.12 | 0.10 | 0.06 | 0.06 | 0.06 | 0.08 | 0.09 | 0.08 | 0.07 |  |  |  |  |  |  |  |
| 90                 | 0.05 | 0.06 | 0.09 | 0.09 | 0.09 | 0.08 | 0.07 | 0.08 | 0.09 | 0.08 | 0.08 | 0.06 |  |  |  |  |  |  |  |
| 95                 | 0.08 | 0.09 | 0.12 | 0.13 | 0.16 | 0.15 | 0.12 | 0.14 | 0.15 | 0.12 | 0.12 | 0.10 |  |  |  |  |  |  |  |
| 100                | 0.18 | 0.20 | 0.24 | 0.27 | 0.32 | 0.33 | 0.26 | 0.29 | 0.29 | 0.25 | 0.23 | 0.19 |  |  |  |  |  |  |  |
| 105                | 0.40 | 0.44 | 0.52 | 0.57 | 0.67 | 0.70 | 0.56 | 0.60 | 0.58 | 0.50 | 0.45 | 0.40 |  |  |  |  |  |  |  |
| 110                | 0.86 | 0.91 | 1.04 | 1.16 | 1.30 | 1.33 | 1.15 | 1.14 | 1.08 | 0.99 | 0.87 | 0.80 |  |  |  |  |  |  |  |
| 115                | 1.62 | 1.67 | 1.86 | 2.07 | 2.24 | 2.27 | 2.01 | 1.94 | 1.82 | 1.70 | 1.52 | 1.43 |  |  |  |  |  |  |  |
| 120                | 2.66 | 2.72 | 2.97 | 3.27 | 3.45 | 3.49 | 3.14 | 2.99 | 2.79 | 2.63 | 2.39 | 2.32 |  |  |  |  |  |  |  |
| 125                | 3.93 | 4.02 | 4.30 | 4.65 | 4.85 | 4.89 | 4.44 | 4.22 | 3.94 | 3.74 | 3.45 | 3.40 |  |  |  |  |  |  |  |
| 130                | 5.37 | 5.48 | 5.74 | 6.13 | 6.31 | 6.34 | 5.86 | 5.56 | 5.21 | 5.00 | 4.67 | 4.64 |  |  |  |  |  |  |  |
| 135                | 6.88 | 6.98 | 7.18 | 7.56 | 7.69 | 7.72 | 7.30 | 6.93 | 6.54 | 6.32 | 5.99 | 6.00 |  |  |  |  |  |  |  |
| 140                | 8.33 | 8.39 | 8.49 | 8.81 | 8.86 | 8.88 | 8.58 | 8.21 | 7.82 | 7.62 | 7.32 | 7.35 |  |  |  |  |  |  |  |
| 145                | 9.57 | 9.58 | 9.55 | 9.76 | 9.73 | 9.81 | 9.58 | 9.32 | 8.95 | 8.79 | 8.57 | 8.62 |  |  |  |  |  |  |  |
| 150                | 10.5 | 10.5 | 10.3 | 10.3 | 10.2 | 10.3 | 10.3 | 10.0 | 9.82 | 9.72 | 9.61 | 9.62 |  |  |  |  |  |  |  |
| 155                | 10.9 | 10.8 | 10.6 | 10.5 | 10.4 | 10.4 | 10.4 | 10.3 | 10.3 | 10.3 | 10.3 | 10.2 |  |  |  |  |  |  |  |
| 160                | 10.8 | 10.8 | 10.6 | 10.3 | 10.1 | 10.1 | 10.1 | 10.2 | 10.2 | 10.3 | 10.4 | 10.3 |  |  |  |  |  |  |  |
| 165                | 10.4 | 10.4 | 10.2 | 9.83 | 9.65 | 9.68 | 9.71 | 9.80 | 9.99 | 10.1 | 10.3 | 10.2 |  |  |  |  |  |  |  |
| 170                | 9.96 | 9.92 | 9.77 | 9.50 | 9.25 | 9.26 | 9.36 | 9.42 | 9.50 | 9.74 | 9.93 | 9.84 |  |  |  |  |  |  |  |
| 175                | 9.65 | 9.61 | 9.64 | 9.32 | 9.21 | 9.28 | 9.36 | 9.40 | 9.41 | 9.49 | 9.76 | 9.69 |  |  |  |  |  |  |  |
| 180                | 9.70 | 9.68 | 9.59 | 9.52 | 9.59 | 9.70 | 9.73 | 9.66 | 9.61 | 9.51 | 9.59 | 9.69 |  |  |  |  |  |  |  |

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2025-12-02

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.421  
Humidity:65.0%  
Test Distance:4.234m [K=1.0000]  
Remarks: