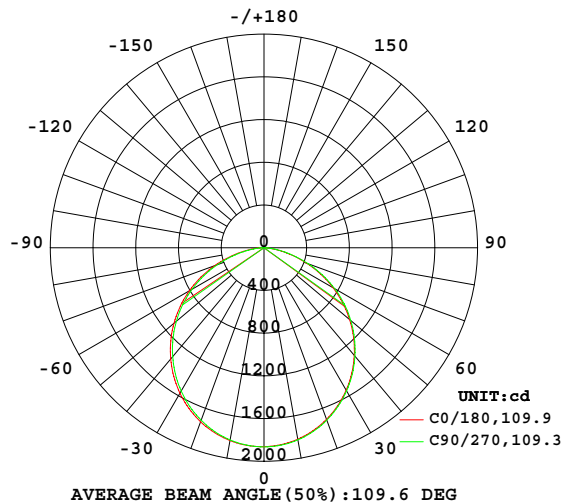


## LUMINAIRE PHOTOMETRIC TEST REPORT

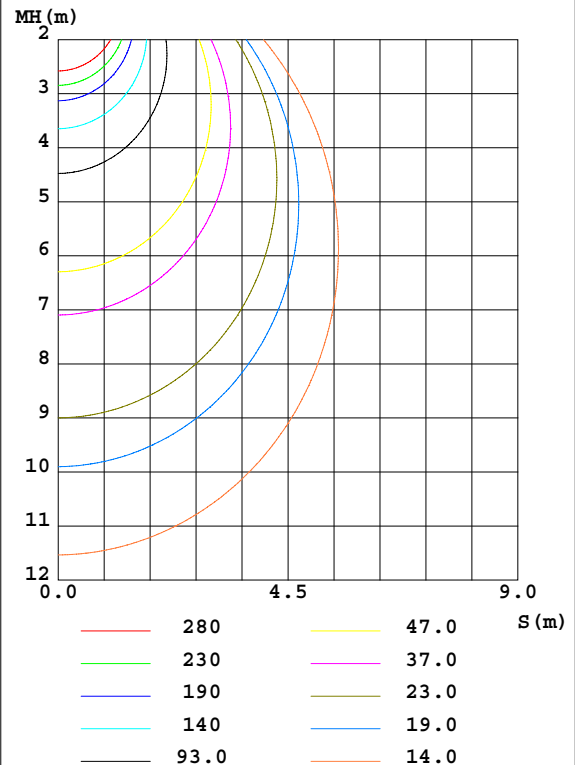
|                                                                                |       |                  |
|--------------------------------------------------------------------------------|-------|------------------|
| Test:U:221.5V I:0.1757A P:37.84W PF:0.9722 Freq:50.09Hz Lamp Flux:5127.35x1 lm |       |                  |
| NAME:                                                                          | TYPE: | WEIGHT:          |
| SPEC.:                                                                         | DIM.: | SERIAL No.:      |
| MFR.:                                                                          | SUR.: | Shielding Angle: |

| DATA OF LAMP     |                | PHOTOMETRIC DATA Eff: 135.48 lm/W |        |                   |          |
|------------------|----------------|-----------------------------------|--------|-------------------|----------|
| MODEL            | LX57120-40W-4K | I <sub>max</sub> (cd)             | 1865   | S/MH(C0/180)      | 1.26     |
| NOMINAL POWER(W) | 40             | LOR(%)                            | 100.0  | S/MH(C90/270)     | 1.24     |
| RATED VOLTAGE(V) | 220.0          | TOTAL FLUX(lm)                    | 5127.3 | h UP,DN(C0-180)   | 0.4,48.8 |
| NOMINAL FLUX(lm) | 5127.35        | CIE CLASS                         | DIRECT | h UP,DN(C180-360) | 0.2,50.7 |
| LAMPS INSIDE     | 1              | h up(%)                           | 0.5    | CIBSE SHR NOM     | 1.25     |
| TEST VOLTAGE(V)  | 220.0          | h down(%)                         | 99.5   | CIBSE SHR MAX     | 1.35     |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2025.6.28

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.361  
Humidity:65.0%  
Test Distance:7.280m [K=1.0000]  
Remarks:

### ZONAL FLUX DIAGRAM

**ZONAL FLUX DIAGRAM:**

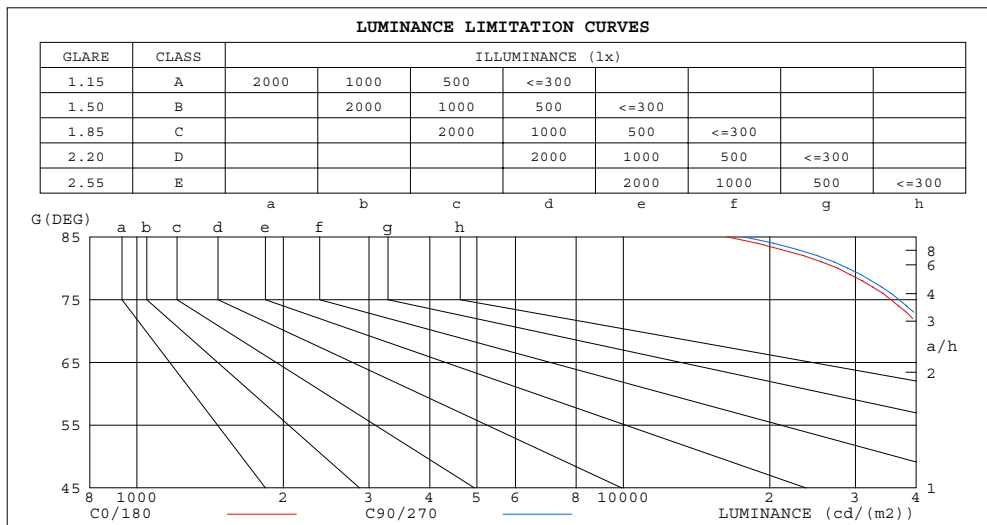
| g   | C0                    | C90   | C180   | C270   |  |  |  |  | g       | F zone  | F total | %lum, lamp |
|-----|-----------------------|-------|--------|--------|--|--|--|--|---------|---------|---------|------------|
| 10  | 1821                  | 1827  | 1834   | 1828   |  |  |  |  | 0- 10   | 176.2   | 176.2   | 3.44,3.44  |
| 20  | 1710                  | 1718  | 1735   | 1720   |  |  |  |  | 10- 20  | 502.8   | 679.0   | 13.2,13.2  |
| 30  | 1540                  | 1547  | 1574   | 1551   |  |  |  |  | 20- 30  | 757.4   | 1436    | 28,28      |
| 40  | 1315                  | 1325  | 1359   | 1331   |  |  |  |  | 30- 40  | 905.9   | 2342    | 45.7,45.7  |
| 50  | 1047                  | 1061  | 1100   | 1071   |  |  |  |  | 40- 50  | 929.8   | 3272    | 63.8,63.8  |
| 60  | 745.6                 | 762.6 | 807.5  | 779.1  |  |  |  |  | 50- 60  | 826.7   | 4099    | 79.9,79.9  |
| 70  | 426.3                 | 441.5 | 492.0  | 463.7  |  |  |  |  | 60- 70  | 608.9   | 4708    | 91.8,91.8  |
| 80  | 143.8                 | 150.7 | 194.3  | 170.6  |  |  |  |  | 70- 80  | 321.0   | 5029    | 98.1,98.1  |
| 90  | 3.949                 | 3.496 | 11.83  | 1.304  |  |  |  |  | 80- 90  | 72.27   | 5101    | 99.5,99.5  |
| 100 | 3.852                 | 4.289 | 0.6549 | 0.8107 |  |  |  |  | 90-100  | 2.966   | 5104    | 99.5,99.5  |
| 110 | 4.888                 | 5.286 | 0.9703 | 1.168  |  |  |  |  | 100-110 | 2.882   | 5107    | 99.6,99.6  |
| 120 | 5.804                 | 6.247 | 1.328  | 1.660  |  |  |  |  | 110-120 | 3.394   | 5110    | 99.7,99.7  |
| 130 | 6.540                 | 7.094 | 1.941  | 2.566  |  |  |  |  | 120-130 | 3.691   | 5114    | 99.7,99.7  |
| 140 | 7.116                 | 7.817 | 3.010  | 4.086  |  |  |  |  | 130-140 | 3.878   | 5118    | 99.8,99.8  |
| 150 | 7.570                 | 7.862 | 4.254  | 5.471  |  |  |  |  | 140-150 | 3.704   | 5122    | 99.9,99.9  |
| 160 | 7.772                 | 7.853 | 5.494  | 6.693  |  |  |  |  | 150-160 | 3.062   | 5125    | 99.9,99.9  |
| 170 | 7.592                 | 7.865 | 6.481  | 7.402  |  |  |  |  | 160-170 | 2.028   | 5127    | 100,100    |
| 180 | 7.111                 | 7.727 | 7.096  | 7.721  |  |  |  |  | 170-180 | 0.7038  | 5127    | 100,100    |
| DEG | LUMINOUS INTENSITY:cd |       |        |        |  |  |  |  |         | UNIT:lm |         |            |

**C Range:** 0 - 360DEG  
**C Interval:** 90.0DEG  
**Test Speed:** HIGH  
**Temperature:**25.3DEG  
**Operators:**  
**Test Date:**2025.6.28

**g Range:** 0 - 180DEG  
**g Interval:** 1.0DEG  
**Test System:**EVERFINE GO-2000A\_V1 SYSTEM V2.0.361  
**Humidity:**65.0%  
**Test Distance:**7.280m [K=1.0000]  
**Remarks:**

## LUMINANCE LIMITATION CURVES

|                                                                                |       |                  |
|--------------------------------------------------------------------------------|-------|------------------|
| Test:U:221.5V I:0.1757A P:37.84W PF:0.9722 Freq:50.09Hz Lamp Flux:5127.35x1 lm |       |                  |
| NAME:                                                                          | TYPE: | WEIGHT:          |
| SPEC.:                                                                         | DIM.: | SERIAL No.:      |
| MFR.:                                                                          | SUR.: | Shielding Angle: |



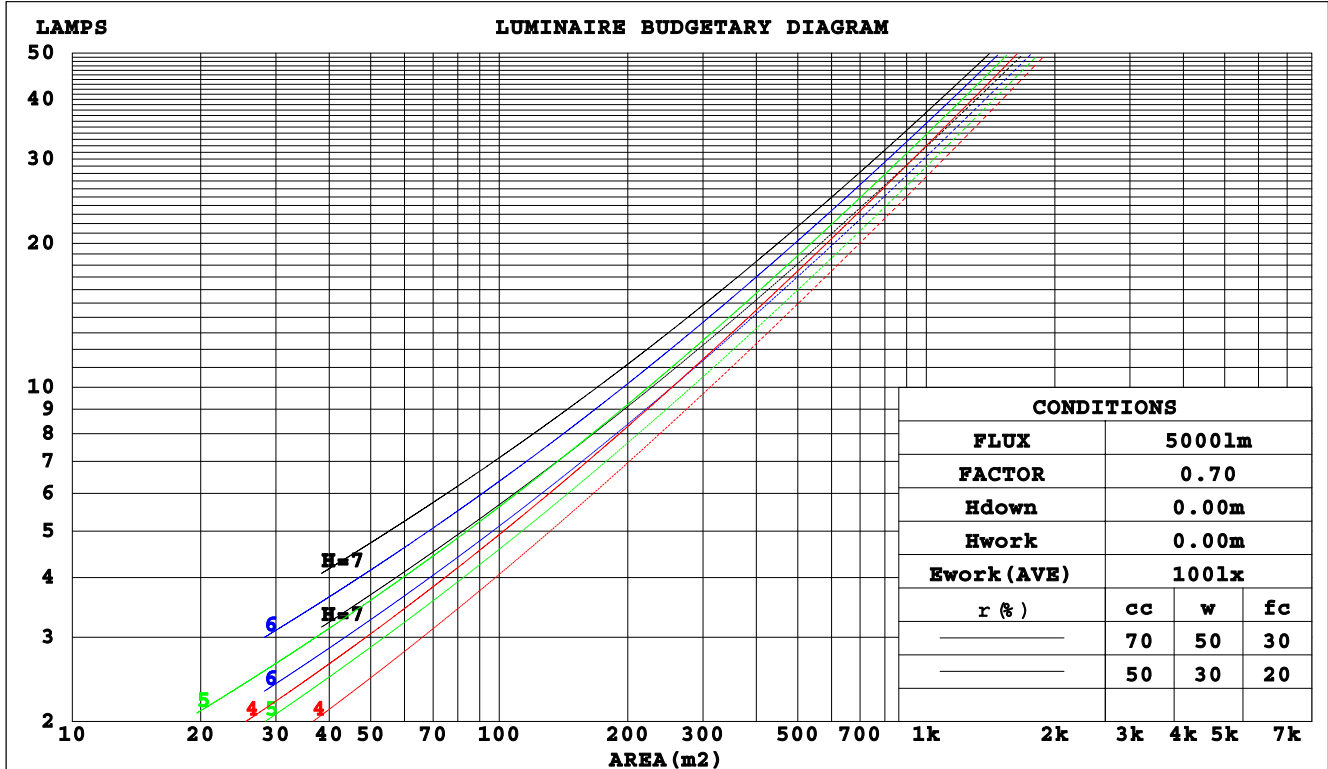
C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2025.6.28

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.361  
Humidity: 65.0%  
Test Distance: 7.280m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                                |       |                  |
|--------------------------------------------------------------------------------|-------|------------------|
| Test:U:221.5V I:0.1757A P:37.84W PF:0.9722 Freq:50.09Hz Lamp Flux:5127.35x1 lm |       |                  |
| NAME:                                                                          | TYPE: | WEIGHT:          |
| SPEC.:                                                                         | DIM.: | SERIAL No.:      |
| MFR.:                                                                          | SUR.: | Shielding Angle: |

| rcc             | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0   |
|-----------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|-----|
| rw              | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0   |
| r <sub>fc</sub> | 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 | .99 |
| 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  | .75  | .72  | .70 |
| 3.0             | .80                   | .72  | .66  | .78  | .71  | .65  | .75                             | .69  | .64  | .73  | .67  | .63  | .70  | .65  | .61  | .59 |
| 4.0             | .71                   | .62  | .56  | .70  | .61  | .55  | .67                             | .60  | .54  | .65  | .59  | .54  | .62  | .57  | .53  | .51 |
| 5.0             | .63                   | .55  | .48  | .62  | .54  | .48  | .60                             | .53  | .47  | .58  | .52  | .46  | .56  | .51  | .46  | .44 |
| 6.0             | .57                   | .48  | .42  | .56  | .48  | .42  | .54                             | .47  | .41  | .53  | .46  | .41  | .51  | .45  | .40  | .38 |
| 7.0             | .52                   | .43  | .37  | .51  | .43  | .37  | .49                             | .42  | .37  | .48  | .41  | .36  | .46  | .40  | .36  | .34 |
| 8.0             | .47                   | .39  | .33  | .47  | .38  | .33  | .45                             | .38  | .33  | .44  | .37  | .32  | .43  | .37  | .32  | .30 |
| 9.0             | .43                   | .35  | .30  | .43  | .35  | .30  | .42                             | .34  | .29  | .40  | .34  | .29  | .39  | .33  | .29  | .27 |
| 10.0            | .40                   | .32  | .27  | .40  | .32  | .27  | .38                             | .32  | .27  | .38  | .31  | .27  | .37  | .31  | .26  | .25 |



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2025.6.28

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.361  
Humidity:65.0%  
Test Distance:7.280m [K=1.0000]  
Remarks:

**WEC AND CCEC**

|                                                                                |       |                  |
|--------------------------------------------------------------------------------|-------|------------------|
| Test:U:221.5V I:0.1757A P:37.84W PF:0.9722 Freq:50.09Hz Lamp Flux:5127.35x1 lm |       |                  |
| NAME:                                                                          | TYPE: | WEIGHT:          |
| SPEC.:                                                                         | DIM.: | SERIAL No.:      |
| MFR.:                                                                          | SUR.: | Shielding Angle: |

| rcc  | 80%                   |      |      | 70%  |      |      | 50%                              |      |      | 30%  |      |      | 10%  |      |      | 0 |  |
|------|-----------------------|------|------|------|------|------|----------------------------------|------|------|------|------|------|------|------|------|---|--|
| rw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                              | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |  |
| rfc  | 20%                   |      |      | 20%  |      |      | 20%                              |      |      | 20%  |      |      | 20%  |      |      | 0 |  |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients (WEC) |      |      |      |      |      |      |      |      |   |  |
| 0.0  |                       |      |      |      |      |      |                                  |      |      |      |      |      |      |      |      |   |  |
| 1.0  | .300                  | .170 | .054 | .293 | .167 | .053 | .279                             | .160 | .051 | .267 | .154 | .049 | .255 | .148 | .048 |   |  |
| 2.0  | .285                  | .156 | .048 | .278 | .153 | .047 | .266                             | .148 | .046 | .255 | .143 | .045 | .245 | .139 | .044 |   |  |
| 3.0  | .265                  | .141 | .042 | .259 | .139 | .042 | .249                             | .135 | .041 | .239 | .131 | .040 | .230 | .127 | .039 |   |  |
| 4.0  | .245                  | .127 | .037 | .240 | .126 | .037 | .231                             | .122 | .037 | .222 | .119 | .036 | .214 | .116 | .035 |   |  |
| 5.0  | .227                  | .116 | .034 | .223 | .114 | .033 | .214                             | .112 | .033 | .207 | .109 | .032 | .200 | .107 | .032 |   |  |
| 6.0  | .211                  | .106 | .030 | .207 | .105 | .030 | .200                             | .102 | .030 | .193 | .100 | .029 | .186 | .098 | .029 |   |  |
| 7.0  | .197                  | .097 | .028 | .193 | .096 | .027 | .187                             | .094 | .027 | .180 | .092 | .027 | .175 | .091 | .027 |   |  |
| 8.0  | .184                  | .090 | .025 | .181 | .089 | .025 | .175                             | .087 | .025 | .169 | .086 | .025 | .164 | .084 | .025 |   |  |
| 9.0  | .173                  | .083 | .023 | .170 | .083 | .023 | .164                             | .081 | .023 | .159 | .080 | .023 | .155 | .079 | .023 |   |  |
| 10.0 | .162                  | .078 | .022 | .160 | .077 | .022 | .155                             | .076 | .021 | .150 | .075 | .021 | .146 | .074 | .021 |   |  |

| rcc  | 80%                   |      |      | 70%  |      |      | 50%                                        |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|-----------------------|------|------|------|------|------|--------------------------------------------|------|------|------|------|------|------|------|------|---|
| rw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                                        | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| rfc  | 20%                   |      |      | 20%  |      |      | 20%                                        |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |   |
| 0.0  | .194                  | .194 | .194 | .166 | .166 | .166 | .113                                       | .113 | .113 | .065 | .065 | .065 | .021 | .021 | .021 |   |
| 1.0  | .184                  | .160 | .139 | .157 | .137 | .120 | .107                                       | .095 | .083 | .062 | .055 | .048 | .020 | .018 | .016 |   |
| 2.0  | .175                  | .136 | .103 | .150 | .117 | .089 | .103                                       | .081 | .062 | .059 | .047 | .036 | .019 | .015 | .012 |   |
| 3.0  | .167                  | .118 | .079 | .144 | .102 | .069 | .099                                       | .071 | .048 | .057 | .041 | .028 | .018 | .013 | .009 |   |
| 4.0  | .160                  | .105 | .063 | .137 | .091 | .055 | .094                                       | .063 | .038 | .055 | .037 | .023 | .018 | .012 | .007 |   |
| 5.0  | .153                  | .094 | .052 | .131 | .082 | .045 | .090                                       | .057 | .032 | .052 | .034 | .019 | .017 | .011 | .006 |   |
| 6.0  | .145                  | .086 | .044 | .125 | .075 | .038 | .086                                       | .052 | .027 | .050 | .031 | .016 | .016 | .010 | .005 |   |
| 7.0  | .139                  | .079 | .038 | .119 | .069 | .033 | .082                                       | .048 | .023 | .048 | .028 | .014 | .015 | .009 | .005 |   |
| 8.0  | .132                  | .073 | .033 | .114 | .064 | .029 | .079                                       | .045 | .020 | .046 | .026 | .012 | .015 | .009 | .004 |   |
| 9.0  | .126                  | .068 | .029 | .109 | .059 | .026 | .075                                       | .042 | .018 | .044 | .025 | .011 | .014 | .008 | .004 |   |
| 10.0 | .121                  | .064 | .027 | .104 | .056 | .023 | .072                                       | .039 | .017 | .042 | .023 | .010 | .014 | .008 | .003 |   |

**C Range:** 0 - 360DEG  
**C Interval:** 90.0DEG  
**Test Speed:** HIGH  
**Temperature:**25.3DEG  
**Operators:**  
**Test Date:**2025.6.28

**g Range:** 0 - 180DEG  
**g Interval:** 1.0DEG  
**Test System:**EVERFINE GO-2000A\_V1 SYSTEM V2.0.361  
**Humidity:**65.0%  
**Test Distance:**7.280m [K=1.0000]  
**Remarks:**

**UGR(Unified Glare Rating) Table**

|                                                                                |                  |      |       |      |      |                  |      |      |      |      |
|--------------------------------------------------------------------------------|------------------|------|-------|------|------|------------------|------|------|------|------|
| Test:U:221.5V I:0.1757A P:37.84W PF:0.9722 Freq:50.09Hz Lamp Flux:5127.35x1 lm |                  |      |       |      |      |                  |      |      |      |      |
| NAME:                                                                          |                  |      | TYPE: |      |      | WEIGHT:          |      |      |      |      |
| SPEC.:                                                                         |                  |      | DIM.: |      |      | SERIAL No.:      |      |      |      |      |
| MFR.:                                                                          |                  |      | 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                                                                  | 20.8             | 22.3 | 21.1  | 22.5 | 22.7 | 20.9             | 22.4 | 21.2 | 22.6 | 22.8 |
| 3H                                                                             | 22.1             | 23.5 | 22.4  | 23.7 | 24.0 | 22.2             | 23.6 | 22.5 | 23.9 | 24.1 |
| 4H                                                                             | 22.6             | 23.9 | 22.9  | 24.1 | 24.4 | 22.7             | 24.0 | 23.0 | 24.3 | 24.5 |
| 6H                                                                             | 22.8             | 24.1 | 23.2  | 24.3 | 24.6 | 23.0             | 24.2 | 23.3 | 24.5 | 24.8 |
| 8H                                                                             | 22.9             | 24.1 | 23.2  | 24.3 | 24.6 | 23.0             | 24.2 | 23.4 | 24.5 | 24.8 |
| 12H                                                                            | 22.9             | 24.0 | 23.2  | 24.3 | 24.6 | 23.0             | 24.2 | 23.4 | 24.5 | 24.8 |
| 4H 2H                                                                          | 21.4             | 22.7 | 21.7  | 23.0 | 23.2 | 21.4             | 22.8 | 21.8 | 23.0 | 23.3 |
| 3H                                                                             | 22.9             | 24.0 | 23.2  | 24.3 | 24.6 | 22.9             | 24.1 | 23.3 | 24.4 | 24.7 |
| 4H                                                                             | 23.4             | 24.4 | 23.8  | 24.8 | 25.1 | 23.5             | 24.6 | 23.9 | 24.9 | 25.2 |
| 6H                                                                             | 23.7             | 24.7 | 24.2  | 25.0 | 25.4 | 23.9             | 24.8 | 24.3 | 25.2 | 25.5 |
| 8H                                                                             | 23.8             | 24.7 | 24.2  | 25.1 | 25.5 | 24.0             | 24.8 | 24.4 | 25.2 | 25.6 |
| 12H                                                                            | 23.8             | 24.6 | 24.3  | 25.0 | 25.4 | 24.0             | 24.8 | 24.4 | 25.2 | 25.6 |
| 8H 4H                                                                          | 23.6             | 24.5 | 24.0  | 24.8 | 25.2 | 23.7             | 24.6 | 24.1 | 24.9 | 25.3 |
| 6H                                                                             | 24.0             | 24.8 | 24.5  | 25.2 | 25.6 | 24.2             | 24.9 | 24.6 | 25.3 | 25.7 |
| 8H                                                                             | 24.2             | 24.8 | 24.6  | 25.2 | 25.7 | 24.3             | 24.9 | 24.8 | 25.4 | 25.8 |
| 12H                                                                            | 24.2             | 24.8 | 24.7  | 25.2 | 25.7 | 24.4             | 24.9 | 24.8 | 25.4 | 25.8 |
| 12H 4H                                                                         | 23.6             | 24.4 | 24.0  | 24.8 | 25.2 | 23.7             | 24.5 | 24.1 | 24.9 | 25.3 |
| 6H                                                                             | 24.1             | 24.7 | 24.5  | 25.1 | 25.6 | 24.2             | 24.8 | 24.6 | 25.2 | 25.7 |
| 8H                                                                             | 24.2             | 24.8 | 24.7  | 25.2 | 25.7 | 24.3             | 24.9 | 24.8 | 25.3 | 25.8 |
| Variations with the observer position at spacings:                             |                  |      |       |      |      |                  |      |      |      |      |
| S = 1.0H                                                                       | + 0.2 / - 0.2    |      |       |      |      | + 0.2 / - 0.2    |      |      |      |      |
| 1.5H                                                                           | + 0.2 / - 0.4    |      |       |      |      | + 0.2 / - 0.3    |      |      |      |      |
| 2.0H                                                                           | + 0.3 / - 0.3    |      |       |      |      | + 0.3 / - 0.3    |      |      |      |      |

CIE Pub.117, 5127 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 5.7$ )

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2025.6.28

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.361  
 Humidity:65.0%  
 Test Distance:7.280m [K=1.0000]  
 Remarks:

**UTILIZATION FACTORS TABLE**

|                                                                                |       |                  |
|--------------------------------------------------------------------------------|-------|------------------|
| Test:U:221.5V I:0.1757A P:37.84W PF:0.9722 Freq:50.09Hz Lamp Flux:5127.35x1 lm |       |                  |
| NAME:                                                                          | TYPE: | WEIGHT:          |
| SPEC.:                                                                         | DIM.: | SERIAL No.:      |
| MFR.:                                                                          | SUR.: | Shielding Angle: |

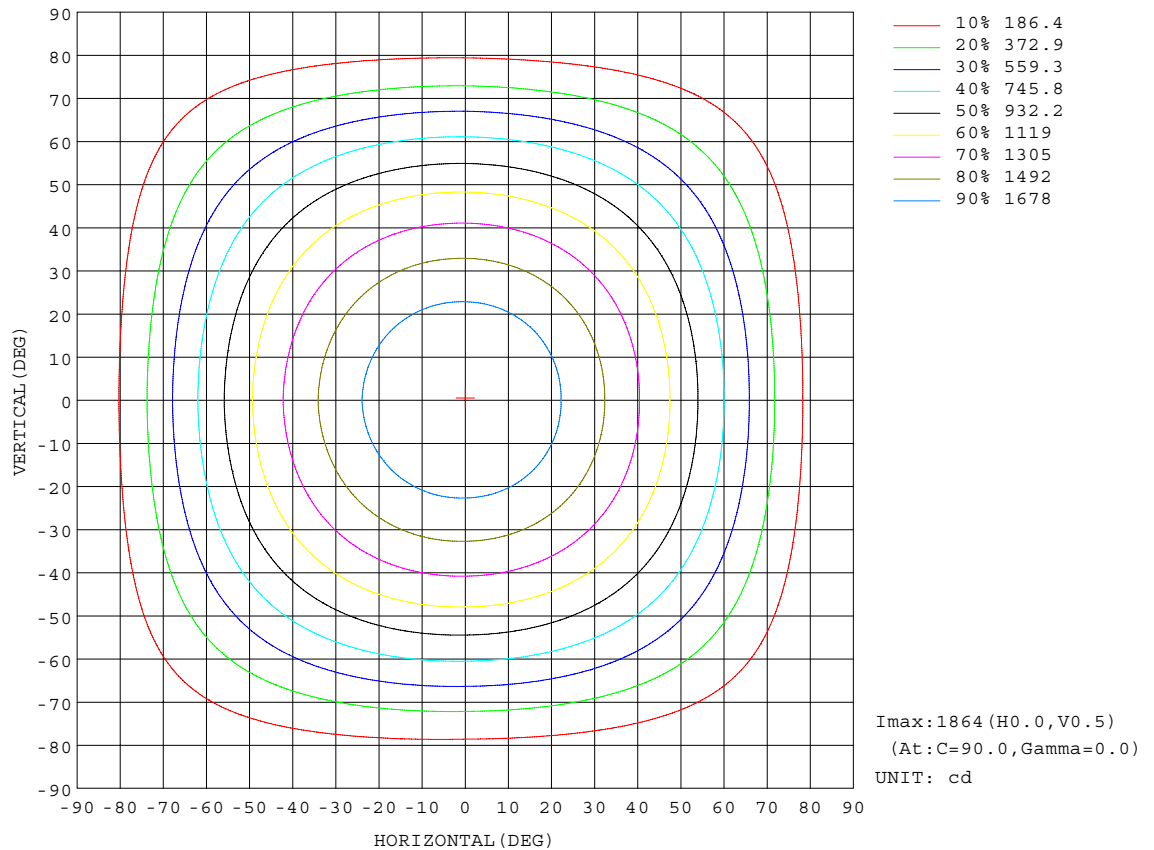
| REFLECTANCE                      |                                                     |     |           |     |     |     |     |               |     |        |
|----------------------------------|-----------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 58                                                  | 47  | 40        | 57  | 46  | 40  | 56  | 46            | 39  | 33     |
| 0.80                             | 68                                                  | 57  | 49        | 67  | 56  | 49  | 65  | 55            | 49  | 42     |
| 1.00                             | 77                                                  | 66  | 58        | 75  | 65  | 58  | 73  | 66            | 58  | 51     |
| 1.25                             | 84                                                  | 73  | 66        | 82  | 73  | 66  | 80  | 71            | 65  | 58     |
| 1.50                             | 89                                                  | 79  | 72        | 87  | 78  | 72  | 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  | 91        | 100 | 94  | 89  | 96  | 91            | 87  | 79     |
| 4.00                             | 107                                                 | 101 | 96        | 104 | 99  | 95  | 100 | 96            | 92  | 83     |
| 5.00                             | 109                                                 | 104 | 100       | 106 | 102 | 99  | 102 | 99            | 96  | 86     |
| ROOM INDEX                       | UF(total)                                           |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                     |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

**C Range:** 0 - 360DEG  
**C Interval:** 90.0DEG  
**Test Speed:** HIGH  
**Temperature:** 25.3DEG  
**Operators:**  
**Test Date:** 2025.6.28

**g Range:** 0 - 180DEG  
**g Interval:** 1.0DEG  
**Test System:** EVERFINE GO-2000A\_V1 SYSTEM V2.0.361  
**Humidity:** 65.0%  
**Test Distance:** 7.280m [K=1.0000]  
**Remarks:**

ISOCANDELA DIAGRAM

|                                                                                |       |                  |
|--------------------------------------------------------------------------------|-------|------------------|
| Test:U:221.5V I:0.1757A P:37.84W PF:0.9722 Freq:50.09Hz Lamp Flux:5127.35x1 lm |       |                  |
| NAME:                                                                          | TYPE: | WEIGHT:          |
| SPEC.:                                                                         | DIM.: | SERIAL No.:      |
| MFR.:                                                                          | SUR.: | Shielding Angle: |



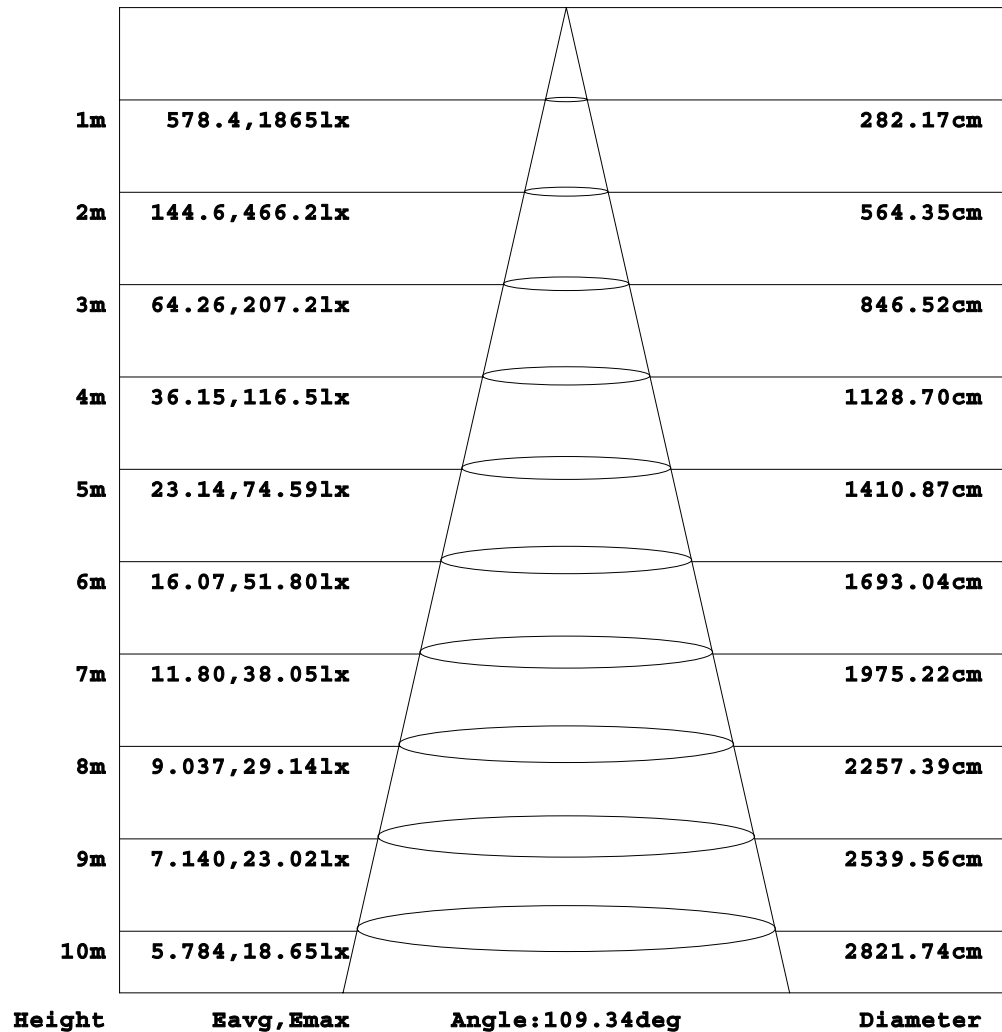
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2025.6.28

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.361  
 Humidity:65.0%  
 Test Distance:7.280m [K=1.0000]  
 Remarks:

**AAI Figure**

|                                                                                |       |                  |
|--------------------------------------------------------------------------------|-------|------------------|
| Test:U:221.5V I:0.1757A P:37.84W PF:0.9722 Freq:50.09Hz Lamp Flux:5127.35x1 lm |       |                  |
| NAME:                                                                          | TYPE: | WEIGHT:          |
| SPEC.:                                                                         | DIM.: | SERIAL No.:      |
| MFR.:                                                                          | SUR.: | Shielding Angle: |

**Flux out:3706 lm**



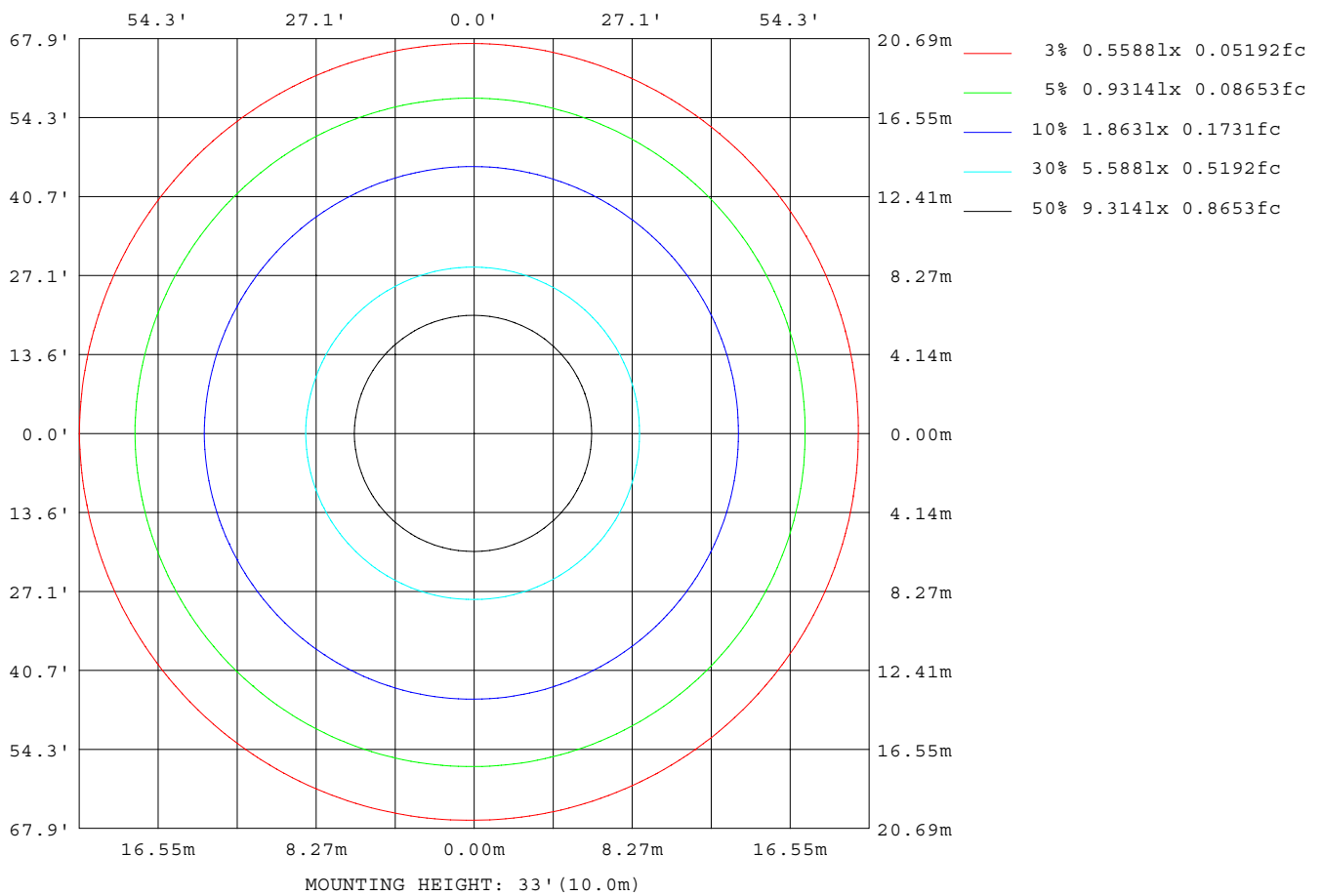
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2025.6.28

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.361  
 Humidity:65.0%  
 Test Distance:7.280m [K=1.0000]  
 Remarks:

**ISOLUX DIAGRAM**

|                                                                                |       |                  |
|--------------------------------------------------------------------------------|-------|------------------|
| Test:U:221.5V I:0.1757A P:37.84W PF:0.9722 Freq:50.09Hz Lamp Flux:5127.35x1 lm |       |                  |
| NAME:                                                                          | TYPE: | WEIGHT:          |
| SPEC.:                                                                         | DIM.: | SERIAL No.:      |
| MFR.:                                                                          | SUR.: | Shielding Angle: |



**C Range: 0 - 360DEG**  
**C Interval: 90.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:**  
**Test Date:2025.6.28**

**g Range: 0 - 180DEG**  
**g Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.361**  
**Humidity:65.0%**  
**Test Distance:7.280m [K=1.0000]**  
**Remarks:**

### LED Avg.L Report

|                                                                                |       |                  |
|--------------------------------------------------------------------------------|-------|------------------|
| Test:U:221.5V I:0.1757A P:37.84W PF:0.9722 Freq:50.09Hz Lamp Flux:5127.35x1 lm |       |                  |
| NAME:                                                                          | TYPE: | WEIGHT:          |
| SPEC.:                                                                         | DIM.: | SERIAL No.:      |
| MFR.:                                                                          | SUR.: | Shielding Angle: |

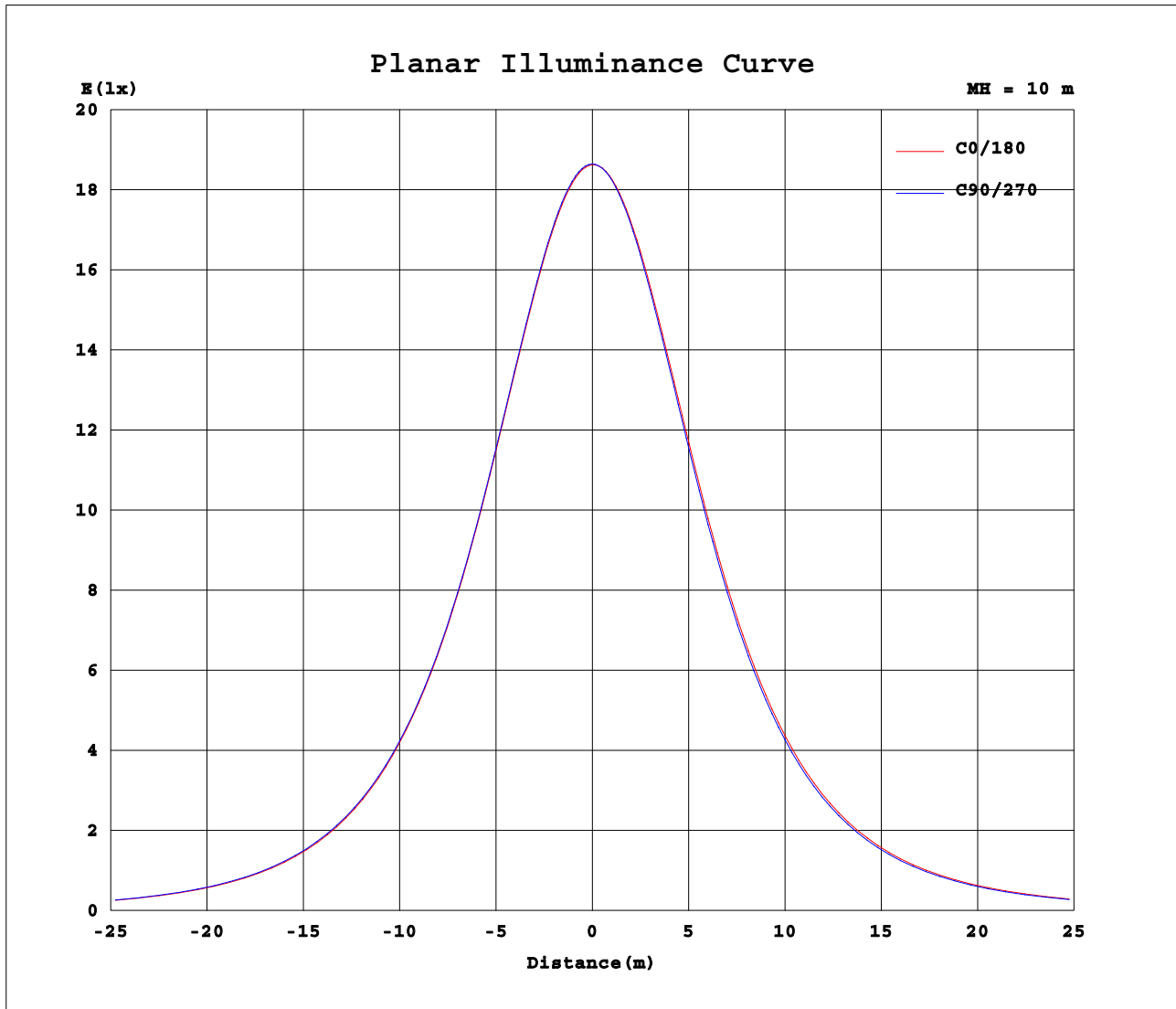
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 48834 |
| L_0~180(75)av  | 39382 |
| L_0~180(85)av  | 23280 |
| L_90~270(65)av | 48322 |
| L_90~270(75)av | 38324 |
| L_90~270(85)av | 20367 |
| L_45(65)av     | 48674 |
| L_45(75)av     | 38965 |
| L_45(85)av     | 21894 |

Standard: GB/T 29293-2012

**C Range:** 0 - 360DEG  
**C Interval:** 90.0DEG  
**Test Speed:** HIGH  
**Temperature:**25.3DEG  
**Operators:**  
**Test Date:**2025.6.28

**g Range:** 0 - 180DEG  
**g Interval:** 1.0DEG  
**Test System:**EVERFINE GO-2000A\_V1 SYSTEM V2.0.361  
**Humidity:**65.0%  
**Test Distance:**7.280m [K=1.0000]  
**Remarks:**

### Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2025.6.28

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.361  
 Humidity: 65.0%  
 Test Distance: 7.280m [K=1.0000]  
 Remarks:

**LUMINOUS DISTRIBUTION INTENSITY DATA**

|                                                                                |       |                  |
|--------------------------------------------------------------------------------|-------|------------------|
| Test:U:221.5V I:0.1757A P:37.84W PF:0.9722 Freq:50.09Hz Lamp Flux:5127.35x1 lm |       |                  |
| NAME:                                                                          | TYPE: | WEIGHT:          |
| SPEC.:                                                                         | DIM.: | SERIAL No.:      |
| MFR.:                                                                          | SUR.: | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG)<br>g (DEG) | 0    | 90   | 180  | 270  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0                  | 1863 | 1865 | 1863 | 1865 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5                  | 1851 | 1855 | 1857 | 1855 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10                 | 1821 | 1827 | 1834 | 1828 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15                 | 1774 | 1781 | 1793 | 1782 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20                 | 1710 | 1718 | 1735 | 1720 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25                 | 1632 | 1640 | 1662 | 1643 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30                 | 1540 | 1547 | 1574 | 1551 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35                 | 1434 | 1442 | 1472 | 1446 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 40                 | 1315 | 1325 | 1359 | 1331 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 45                 | 1187 | 1198 | 1235 | 1206 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 50                 | 1047 | 1061 | 1100 | 1071 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 55                 | 899  | 917  | 958  | 929  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 60                 | 746  | 763  | 807  | 779  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 65                 | 587  | 602  | 652  | 623  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 70                 | 426  | 441  | 492  | 464  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 75                 | 276  | 286  | 336  | 309  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 80                 | 144  | 151  | 194  | 171  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 85                 | 42.7 | 46.2 | 79.0 | 60.3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 90                 | 3.95 | 3.50 | 11.8 | 1.30 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 95                 | 3.31 | 3.88 | 1.41 | 0.78 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 100                | 3.85 | 4.29 | 0.65 | 0.81 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 105                | 4.38 | 4.77 | 0.80 | 0.92 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 110                | 4.89 | 5.29 | 0.97 | 1.17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 115                | 5.37 | 5.78 | 1.14 | 1.42 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 120                | 5.80 | 6.25 | 1.33 | 1.66 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 125                | 6.20 | 6.69 | 1.57 | 1.98 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 130                | 6.54 | 7.09 | 1.94 | 2.57 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 135                | 6.85 | 7.47 | 2.44 | 3.32 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 140                | 7.12 | 7.82 | 3.01 | 4.09 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 145                | 7.36 | 7.86 | 3.62 | 4.82 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 150                | 7.57 | 7.86 | 4.25 | 5.47 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 155                | 7.73 | 7.82 | 4.91 | 6.12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 160                | 7.77 | 7.85 | 5.49 | 6.69 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 165                | 7.76 | 7.88 | 6.01 | 7.13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 170                | 7.59 | 7.86 | 6.48 | 7.40 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 175                | 7.35 | 7.81 | 6.83 | 7.56 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 180                | 7.11 | 7.73 | 7.10 | 7.72 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**C Range: 0 - 360DEG**  
**C Interval: 90.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:**  
**Test Date:2025.6.28**

**g Range: 0 - 180DEG**  
**g Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.361**  
**Humidity:65.0%**  
**Test Distance:7.280m [K=1.0000]**  
**Remarks:**