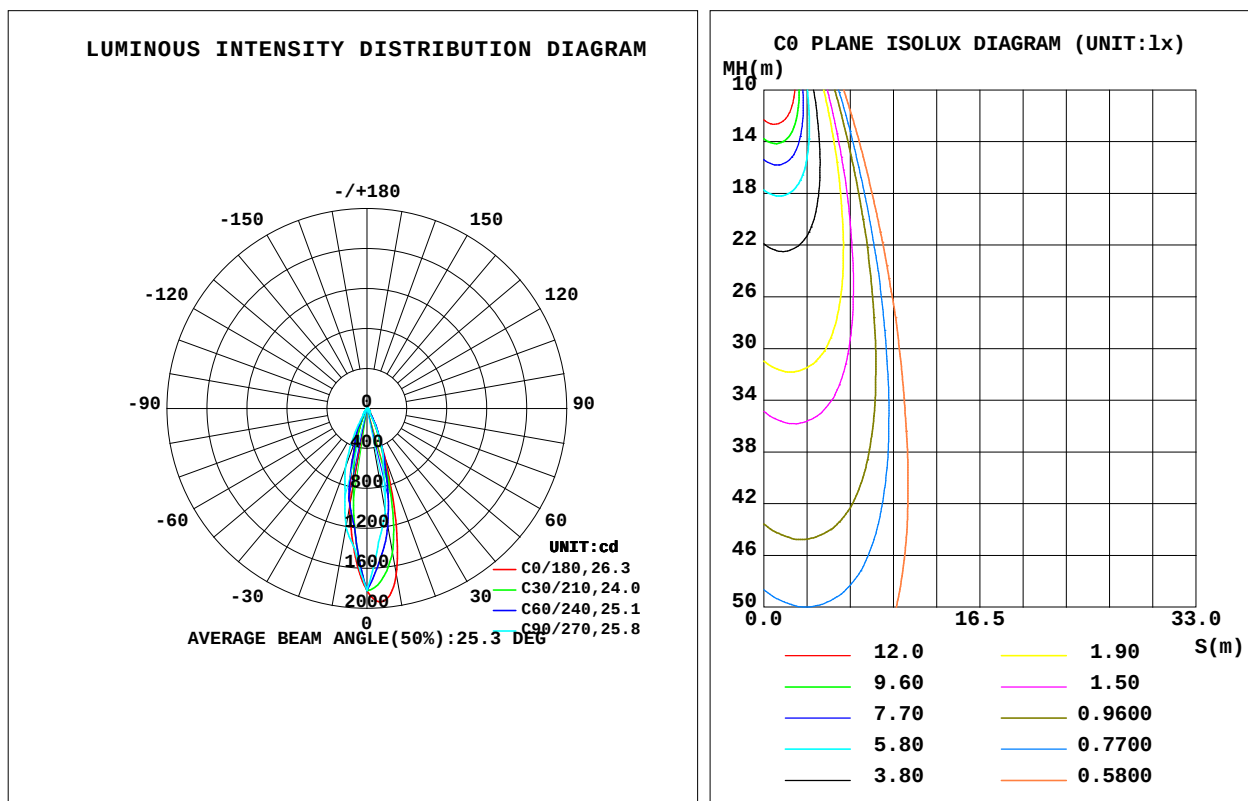


## LUMINAIRE PHOTOMETRIC TEST REPORT

|                                                                                  |                   |                     |
|----------------------------------------------------------------------------------|-------------------|---------------------|
| Test:U:220.29V I:0.1235A P:11.385W PF:0.4184 Freq:50.00Hz Lamp Flux:491.196x1 lm |                   |                     |
| NAME: 6457-12W-2700K                                                             | TYPE:室内           | WEIGHT:             |
| SPEC.:                                                                           | DIM.: 88*88*115mm | SERIAL No.:01       |
| MFR.: NORDECOR                                                                   | SUR.:             | Shielding Angle:24° |

| DATA OF LAMP     |         | PHOTOMETRIC DATA Eff: 43.14 lm/W |        |                    |          |
|------------------|---------|----------------------------------|--------|--------------------|----------|
| MODEL            |         | I <sub>max</sub> (cd)            | 1938   | S/MH(C0/180)       | 0.37     |
| NOMINAL POWER(W) | 12      | LOR(%)                           | 100.0  | S/MH(C90/270)      | 0.47     |
| RATED VOLTAGE(V) | 85-265V | TOTAL FLUX(lm)                   | 491.20 | h UP, DN(C0-180)   | 0.0,46.8 |
| NOMINAL FLUX(lm) | 491.196 | CIE CLASS                        | DIRECT | h UP, DN(C180-360) | 0.0,53.2 |
| LAMPS INSIDE     | 1       | h up(%)                          | 0.0    | CIBSE SHR NOM      | 0.00     |
| TEST VOLTAGE(V)  | 220     | h down(%)                        | 100.0  | CIBSE SHR MAX      | 1.00     |



H<sub>(b)</sub> Range: -90 - 90DEG  
H<sub>(b)</sub> Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2026-08-15

V(B) Range: -75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE G0-2000A\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:7.300m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

| g   | C0                    | C45    | C90   | C135   | C180  | C225   | C270  | C315  | g       | F zone  | F total | %lum, lamp |
|-----|-----------------------|--------|-------|--------|-------|--------|-------|-------|---------|---------|---------|------------|
| 10  | 1688                  | 1311   | 1054  | 815.6  | 1005  | 868.8  | 1212  | 1425  | 0- 10   | 131.4   | 131.4   | 26.7, 26.7 |
| 20  | 535.8                 | 467.7  | 465.1 | 196.8  | 261.5 | 228.5  | 633.1 | 634.9 | 10- 20  | 205.9   | 337.2   | 68.7, 68.7 |
| 30  | 113.0                 | 114.1  | 54.76 | 50.22  | 45.65 | 60.29  | 84.77 | 166.4 | 20- 30  | 102.5   | 439.8   | 89.5, 89.5 |
| 40  | 34.58                 | 23.55  | 25.75 | 11.29  | 14.59 | 15.22  | 39.25 | 38.34 | 30- 40  | 29.96   | 469.7   | 95.6, 95.6 |
| 50  | 14.71                 | 10.20  | 8.504 | 4.905  | 7.384 | 6.522  | 11.82 | 15.12 | 40- 50  | 12.71   | 482.5   | 98.2, 98.2 |
| 60  | 3.078                 | 3.416  | 3.003 | 2.123  | 2.441 | 2.321  | 2.484 | 4.316 | 50- 60  | 5.347   | 487.8   | 99.3, 99.3 |
| 70  | 1.583                 | 1.480  | 1.832 | 1.385  | 1.575 | 1.320  | 1.738 | 1.389 | 60- 70  | 1.865   | 489.7   | 99.7, 99.7 |
| 80  | 1.310                 | 0.8874 | 0     | 0.8167 | 1.210 | 0.9197 | 0     | 1.005 | 70- 80  | 1.216   | 490.9   | 99.9, 99.9 |
| 90  | 1.292                 | 0      | 0     | 0      | 1.083 | 0      | 0     | 0     | 80- 90  | 0.3119  | 491.2   | 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): 477.44 lm

%lum = 97.2%

%lamp = 97.2%

Conical surface Flux(120deg): 487.8 lm

%lum = 99.3%

%lamp = 99.3%

H<sub>(b)</sub> Range:-90 - 90DEG  
 H<sub>(b)</sub> Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2026-08-15

V(B) Range:-75 - 75DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE G0-2000A\_V1 SYSTEM V2.00.411  
 Humidity:65.0%  
 Test Distance:7.300m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

|                                                                                  |                   |                     |
|----------------------------------------------------------------------------------|-------------------|---------------------|
| Test:U:220.29V I:0.1235A P:11.385W PF:0.4184 Freq:50.00Hz Lamp Flux:491.196x1 lm |                   |                     |
| NAME: 6457-12W-2700K                                                             | TYPE:室内           | WEIGHT:             |
| SPEC.:                                                                           | DIM.: 88*88*115mm | SERIAL No.:01       |
| MFR.: NORDECOR                                                                   | SUR.:             | Shielding Angle:24° |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G( DEG )          | C0/180 | C90/270 |
| 85                | 149    | 0       |
| 80                | 75     | 0       |
| 75                | 54     | 47      |
| 70                | 46     | 54      |
| 65                | 43     | 56      |
| 60                | 62     | 60      |
| 55                | 140    | 98      |
| 50                | 229    | 132     |
| 45                | 321    | 155     |

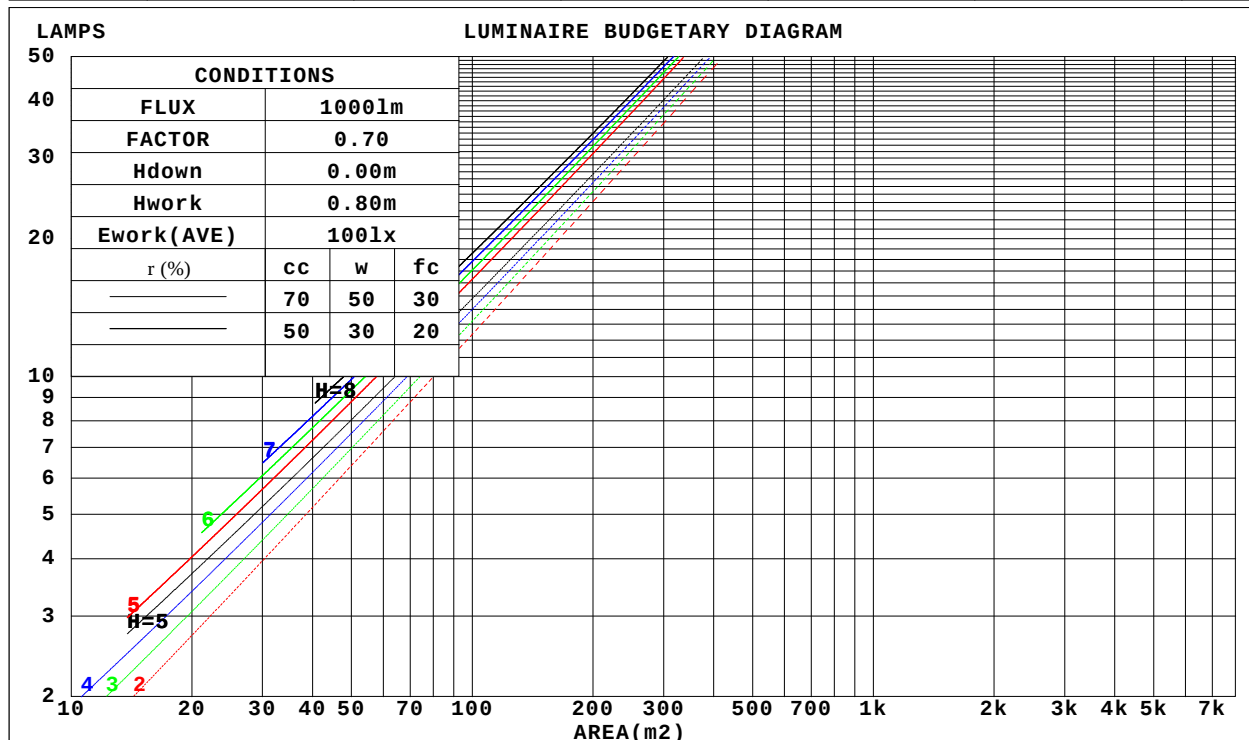
H<sub>(b)</sub> Range: -90 - 90DEG  
H<sub>(b)</sub> Interval: 1.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2026-08-15

V(B) Range: -75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System: EVERFINE G0-2000A\_V1 SYSTEM V2.00.411  
Humidity: 65.0%  
Test Distance: 7.300m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                                  |                   |                     |
|----------------------------------------------------------------------------------|-------------------|---------------------|
| Test:U:220.29V I:0.1235A P:11.385W PF:0.4184 Freq:50.00Hz Lamp Flux:491.196x1 lm |                   |                     |
| NAME: 6457-12W-2700K                                                             | TYPE:室内           | WEIGHT:             |
| SPEC.:                                                                           | DIM.: 88*88*115mm | SERIAL No.:01       |
| MFR.: NORDECOR                                                                   | SUR.:             | Shielding Angle:24° |

| r CC | 80%                   |      |      | 70%                             |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0   |
|------|-----------------------|------|------|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|-----|
| r W  | 50%                   | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0   |
| r fc | 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 | .00 |
| 1.0  | 1.12                  | 1.10 | 1.08 | 1.10                            | 1.08 | 1.06 | 1.06 | 1.05 | 1.03 | 1.02 | 1.01 | 1.00 | .99  | .98  | .97  | .96 |
| 2.0  | 1.06                  | 1.03 | .99  | 1.04                            | 1.01 | .99  | 1.01 | .99  | .97  | .98  | .96  | .95  | .96  | .94  | .93  | .91 |
| 3.0  | 1.01                  | .97  | .94  | .99                             | .96  | .93  | .97  | .94  | .91  | .95  | .92  | .90  | .92  | .90  | .89  | .87 |
| 4.0  | .96                   | .92  | .88  | .95                             | .91  | .88  | .93  | .89  | .87  | .91  | .88  | .86  | .89  | .87  | .85  | .83 |
| 5.0  | .92                   | .87  | .84  | .91                             | .87  | .83  | .89  | .86  | .83  | .88  | .85  | .82  | .86  | .84  | .81  | .80 |
| 6.0  | .88                   | .83  | .80  | .87                             | .83  | .80  | .86  | .82  | .79  | .85  | .81  | .79  | .83  | .80  | .78  | .77 |
| 7.0  | .85                   | .80  | .77  | .84                             | .79  | .76  | .83  | .79  | .76  | .82  | .78  | .76  | .81  | .78  | .75  | .74 |
| 8.0  | .81                   | .77  | .73  | .81                             | .76  | .73  | .80  | .76  | .73  | .79  | .75  | .73  | .78  | .75  | .72  | .71 |
| 9.0  | .78                   | .74  | .71  | .78                             | .74  | .71  | .77  | .73  | .70  | .76  | .73  | .70  | .76  | .72  | .70  | .69 |
| 10.0 | .76                   | .71  | .68  | .75                             | .71  | .68  | .75  | .71  | .68  | .74  | .70  | .68  | .73  | .70  | .68  | .67 |



H<sub>(b)</sub> Range: -90 - 90DEG  
H<sub>(b)</sub> Interval: 1.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2026-08-15

V(B) Range: -75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System: EVERFINE G0-2000A\_V1 SYSTEM V2.00.411  
Humidity: 65.0%  
Test Distance: 7.300m [K=1.0000]  
Remarks:

**WEC AND CCEC**

|                                                                                  |                   |                     |
|----------------------------------------------------------------------------------|-------------------|---------------------|
| Test:U:220.29V I:0.1235A P:11.385W PF:0.4184 Freq:50.00Hz Lamp Flux:491.196x1 lm |                   |                     |
| NAME: 6457-12W-2700K                                                             | TYPE:室内           | WEIGHT:             |
| SPEC.:                                                                           | DIM.: 88*88*115mm | SERIAL No.:01       |
| MFR.: NORDECOR                                                                   | SUR.:             | Shielding Angle:24° |

| r c c | 80%                                                   |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0 |
|-------|-------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| r w   | 50%                                                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| r f c | 20%                                                   |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR   | RCR:Room Cavity Ratio Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |
| 0.0   |                                                       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |
| 1.0   | .151                                                  | .086 | .027 | .144 | .082 | .026 | .132 | .076 | .024 | .121 | .070 | .022 | .110 | .064 | .021 |   |
| 2.0   | .142                                                  | .078 | .024 | .136 | .075 | .023 | .126 | .070 | .022 | .116 | .065 | .020 | .107 | .061 | .019 |   |
| 3.0   | .133                                                  | .071 | .021 | .128 | .069 | .021 | .119 | .065 | .020 | .111 | .061 | .019 | .104 | .058 | .018 |   |
| 4.0   | .125                                                  | .065 | .019 | .121 | .063 | .019 | .114 | .060 | .018 | .107 | .057 | .017 | .100 | .055 | .017 |   |
| 5.0   | .118                                                  | .060 | .017 | .115 | .059 | .017 | .108 | .056 | .017 | .103 | .054 | .016 | .097 | .052 | .016 |   |
| 6.0   | .112                                                  | .056 | .016 | .109 | .055 | .016 | .104 | .053 | .015 | .098 | .051 | .015 | .094 | .049 | .015 |   |
| 7.0   | .107                                                  | .053 | .015 | .104 | .052 | .015 | .099 | .050 | .014 | .095 | .049 | .014 | .091 | .047 | .014 |   |
| 8.0   | .102                                                  | .050 | .014 | .099 | .049 | .014 | .095 | .048 | .014 | .091 | .046 | .013 | .087 | .045 | .013 |   |
| 9.0   | .097                                                  | .047 | .013 | .095 | .046 | .013 | .092 | .045 | .013 | .088 | .044 | .013 | .085 | .043 | .012 |   |
| 10.0  | .093                                                  | .045 | .012 | .091 | .044 | .012 | .088 | .043 | .012 | .085 | .042 | .012 | .082 | .041 | .012 |   |

| r c c | 80%                                                              |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0 |
|-------|------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| r w   | 50%                                                              | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| r f c | 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   | .169                                                             | .158 | .147 | .145 | .135 | .126 | .099 | .093 | .087 | .057 | .054 | .051 | .018 | .017 | .016 |   |
| 2.0   | .152                                                             | .133 | .116 | .130 | .114 | .100 | .089 | .079 | .070 | .052 | .046 | .041 | .017 | .015 | .013 |   |
| 3.0   | .138                                                             | .113 | .094 | .118 | .098 | .081 | .081 | .068 | .057 | .047 | .040 | .034 | .015 | .013 | .011 |   |
| 4.0   | .126                                                             | .098 | .077 | .108 | .085 | .067 | .074 | .059 | .047 | .043 | .035 | .028 | .014 | .011 | .009 |   |
| 5.0   | .116                                                             | .086 | .064 | .100 | .075 | .056 | .069 | .052 | .039 | .040 | .031 | .023 | .013 | .010 | .008 |   |
| 6.0   | .108                                                             | .076 | .054 | .093 | .066 | .047 | .064 | .046 | .033 | .037 | .027 | .020 | .012 | .009 | .007 |   |
| 7.0   | .101                                                             | .068 | .046 | .087 | .059 | .040 | .060 | .042 | .028 | .035 | .024 | .017 | .011 | .008 | .006 |   |
| 8.0   | .094                                                             | .062 | .039 | .081 | .054 | .034 | .056 | .038 | .024 | .033 | .022 | .015 | .011 | .007 | .005 |   |
| 9.0   | .089                                                             | .056 | .034 | .077 | .049 | .030 | .053 | .034 | .021 | .031 | .020 | .013 | .010 | .007 | .004 |   |
| 10.0  | .084                                                             | .052 | .030 | .072 | .045 | .026 | .050 | .032 | .019 | .029 | .019 | .011 | .010 | .006 | .004 |   |

**H<sub>(b)</sub> Range:** -90 - 90DEG  
**H<sub>(b)</sub> Interval:** 1.0DEG  
**Test Speed:** HIGH  
**Temperature:** 25.3DEG  
**Operators:**  
**Test Date:** 2026-08-15

**V(B) Range:** -75 - 75DEG  
**V(B) Interval:** 5.0DEG  
**Test System:** EVERFINE G0-2000A\_V1 SYSTEM V2.00.411  
**Humidity:** 65.0%  
**Test Distance:** 7.300m [K=1.0000]  
**Remarks:**

### UGR(Unified Glare Rating) Table

|                                                                                  |               |                  |     |     |     |                   |                |     |                     |     |     |
|----------------------------------------------------------------------------------|---------------|------------------|-----|-----|-----|-------------------|----------------|-----|---------------------|-----|-----|
| Test:U:220.29V I:0.1235A P:11.385W PF:0.4184 Freq:50.00Hz Lamp Flux:491.196x1 lm |               |                  |     |     |     |                   |                |     |                     |     |     |
| NAME: 6457-12W-2700K                                                             |               |                  |     |     |     | TYPE:室内           |                |     | WEIGHT:             |     |     |
| SPEC.:                                                                           |               |                  |     |     |     | DIM.: 88*88*115mm |                |     | SERIAL No.:01       |     |     |
| MFR.: NORDECOR                                                                   |               |                  |     |     |     | SUR.:             |                |     | Shielding Angle:24° |     |     |
| 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                                                                    | 3.1           | 3.8              | 3.3 | 4.0 | 4.1 | 1.2               | 1.9            | 1.4 | 2.1                 | 2.2 |     |
|                                                                                  | 3H            | 3.0              | 3.7 | 3.3 | 3.9 | 4.1               | 1.3            | 2.0 | 1.6                 | 2.2 | 2.4 |
|                                                                                  | 4H            | 3.0              | 3.7 | 3.3 | 3.9 | 4.1               | 1.4            | 2.1 | 1.7                 | 2.3 | 2.5 |
|                                                                                  | 6H            | 3.0              | 3.7 | 3.3 | 3.9 | 4.1               | 1.4            | 2.0 | 1.6                 | 2.2 | 2.5 |
|                                                                                  | 8H            | 3.1              | 3.7 | 3.4 | 4.0 | 4.2               | 1.3            | 1.9 | 1.6                 | 2.2 | 2.4 |
|                                                                                  | 12H           | 3.2              | 3.8 | 3.5 | 4.1 | 4.3               | 1.3            | 1.8 | 1.6                 | 2.1 | 2.4 |
| 4H                                                                               | 2H            | 2.9              | 3.6 | 3.2 | 3.8 | 4.0               | 1.1            | 1.8 | 1.4                 | 2.0 | 2.2 |
|                                                                                  | 3H            | 2.9              | 3.5 | 3.2 | 3.7 | 4.0               | 1.3            | 1.9 | 1.7                 | 2.2 | 2.4 |
|                                                                                  | 4H            | 2.9              | 3.4 | 3.2 | 3.7 | 4.0               | 1.5            | 2.0 | 1.8                 | 2.3 | 2.6 |
|                                                                                  | 6H            | 3.0              | 3.5 | 3.4 | 3.8 | 4.1               | 1.5            | 1.9 | 1.8                 | 2.3 | 2.6 |
|                                                                                  | 8H            | 3.1              | 3.6 | 3.5 | 3.9 | 4.3               | 1.4            | 1.8 | 1.8                 | 2.2 | 2.6 |
|                                                                                  | 12H           | 3.3              | 3.7 | 3.7 | 4.1 | 4.5               | 1.4            | 1.8 | 1.8                 | 2.1 | 2.5 |
| 8H                                                                               | 4H            | 2.9              | 3.3 | 3.2 | 3.6 | 4.0               | 1.5            | 1.9 | 1.9                 | 2.3 | 2.6 |
|                                                                                  | 6H            | 3.0              | 3.4 | 3.5 | 3.8 | 4.2               | 1.5            | 1.8 | 1.9                 | 2.2 | 2.6 |
|                                                                                  | 8H            | 3.2              | 3.5 | 3.7 | 4.0 | 4.4               | 1.4            | 1.7 | 1.8                 | 2.1 | 2.6 |
|                                                                                  | 12H           | 3.6              | 3.8 | 4.0 | 4.3 | 4.7               | 1.3            | 1.6 | 1.8                 | 2.1 | 2.5 |
| 12H                                                                              | 4H            | 2.8              | 3.2 | 3.2 | 3.6 | 4.0               | 1.5            | 1.9 | 1.9                 | 2.2 | 2.6 |
|                                                                                  | 6H            | 3.0              | 3.3 | 3.4 | 3.7 | 4.2               | 1.4            | 1.8 | 1.9                 | 2.2 | 2.6 |
|                                                                                  | 8H            | 3.2              | 3.5 | 3.7 | 3.9 | 4.4               | 1.4            | 1.7 | 1.9                 | 2.1 | 2.6 |
| Variations with the observer position at spacings:                               |               |                  |     |     |     |                   |                |     |                     |     |     |
| S = 1.0H                                                                         | + 1.9 / - 3.0 |                  |     |     |     | + 1.8 / - 2.9     |                |     |                     |     |     |
| 1.5H                                                                             | + 2.9 / - 2.8 |                  |     |     |     | + 2.9 / - 2.3     |                |     |                     |     |     |
| 2.0H                                                                             | + 3.8 / - 4.2 |                  |     |     |     | + 1.9 / - 2.7     |                |     |                     |     |     |

CIE Pub.117, 491.2 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.5)  
Area: 0.1 m2

H<sub>(b)</sub> Range: -90 - 90DEG  
H<sub>(b)</sub> Interval: 1.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2026-08-15

V(B) Range: -75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System: EVERFINE G0-2000A\_V1 SYSTEM V2.00.411  
Humidity: 65.0%  
Test Distance: 7.300m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

|                                                                                  |                   |                     |
|----------------------------------------------------------------------------------|-------------------|---------------------|
| Test:U:220.29V I:0.1235A P:11.385W PF:0.4184 Freq:50.00Hz Lamp Flux:491.196x1 lm |                   |                     |
| NAME: 6457-12W-2700K                                                             | TYPE:室内           | WEIGHT:             |
| SPEC.:                                                                           | DIM.: 88*88*115mm | SERIAL No.:01       |
| MFR.: NORDECOR                                                                   | SUR.:             | Shielding Angle:24° |

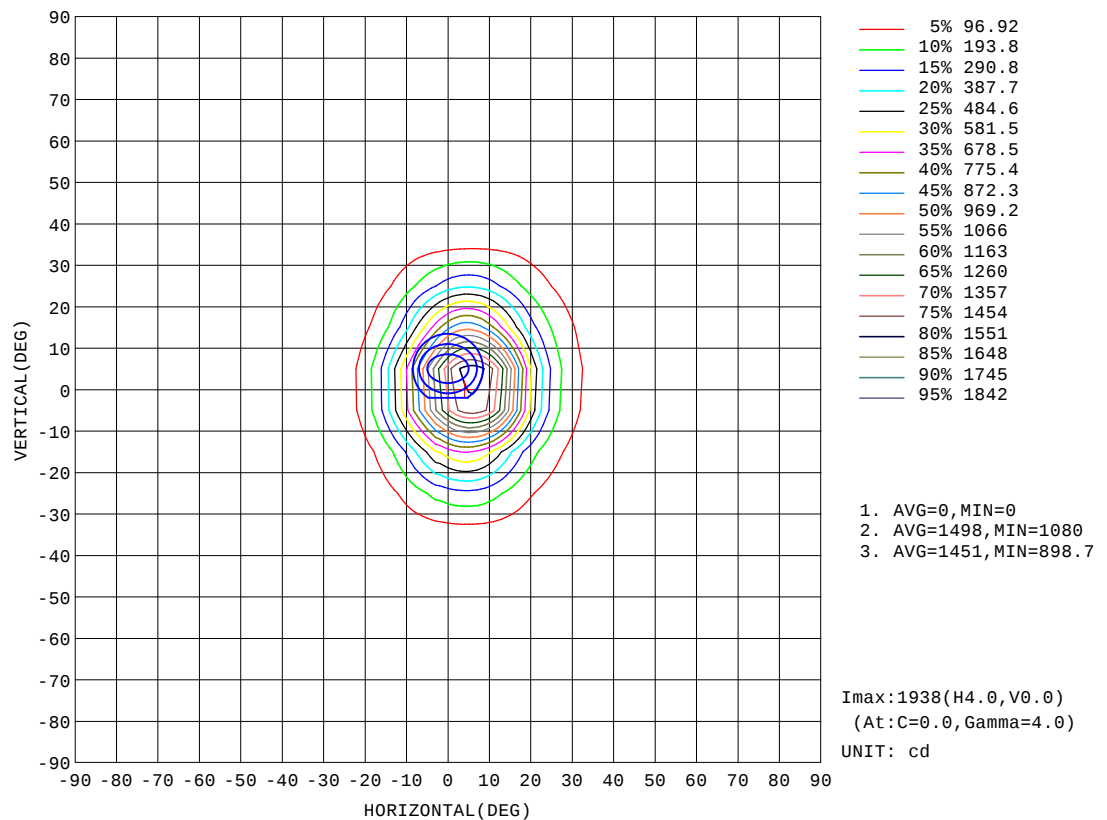
| REFLECTANCE                      |                                                     |     |           |     |     |     |     |               |     |        |
|----------------------------------|-----------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8                                                 | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 0.5 | 0.5           | 0.5 | 0      |
| Walls                            | 0.7                                                 | 0.5 | 0.3       | 0.7 | 0.5 | 0.3 | 0.7 | 0.5           | 0.3 | 0      |
| Working plane                    | 0.2                                                 | 0.2 | 0.2       | 0.2 | 0.2 | 0.2 | 0.2 | 0.2           | 0.2 | 0      |
| ROOM INDEX                       | UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| k = 0.60                         | 89                                                  | 83  | 79        | 88  | 83  | 79  | 88  | 82            | 79  | 75     |
| 0.80                             | 96                                                  | 90  | 87        | 95  | 90  | 87  | 94  | 90            | 86  | 83     |
| 1.00                             | 100                                                 | 95  | 91        | 99  | 94  | 91  | 98  | 94            | 91  | 87     |
| 1.25                             | 104                                                 | 99  | 96        | 103 | 98  | 95  | 101 | 97            | 95  | 91     |
| 1.50                             | 107                                                 | 102 | 99        | 105 | 101 | 98  | 103 | 100           | 97  | 93     |
| 2.00                             | 109                                                 | 105 | 102       | 108 | 104 | 101 | 105 | 102           | 100 | 95     |
| 2.50                             | 111                                                 | 107 | 104       | 109 | 106 | 103 | 106 | 103           | 101 | 96     |
| 3.00                             | 112                                                 | 109 | 106       | 110 | 107 | 105 | 107 | 105           | 103 | 97     |
| 4.00                             | 114                                                 | 111 | 109       | 112 | 110 | 108 | 108 | 107           | 105 | 98     |
| 5.00                             | 115                                                 | 113 | 111       | 113 | 111 | 110 | 109 | 108           | 107 | 99     |
| ROOM INDEX                       | UF(total)                                           |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                     |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

**H<sub>b</sub> Range:-90 - 90DEG**  
**H<sub>b</sub> Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:**  
**Test Date:2026-08-15**

**V(B) Range:-75 - 75DEG**  
**V(B) Interval: 5.0DEG**  
**Test System:EVERFINE G0-2000A\_V1 SYSTEM V2.00.411**  
**Humidity:65.0%**  
**Test Distance:7.300m [K=1.0000]**  
**Remarks:**

## ISOCANDELA DIAGRAM

|                                                                                  |                   |                     |
|----------------------------------------------------------------------------------|-------------------|---------------------|
| Test:U:220.29V I:0.1235A P:11.385W PF:0.4184 Freq:50.00Hz Lamp Flux:491.196x1 lm |                   |                     |
| NAME: 6457-12W-2700K                                                             | TYPE:室内           | WEIGHT:             |
| SPEC.:                                                                           | DIM.: 88*88*115mm | SERIAL No.:01       |
| MFR.: NORDECOR                                                                   | SUR.:             | Shielding Angle:24° |



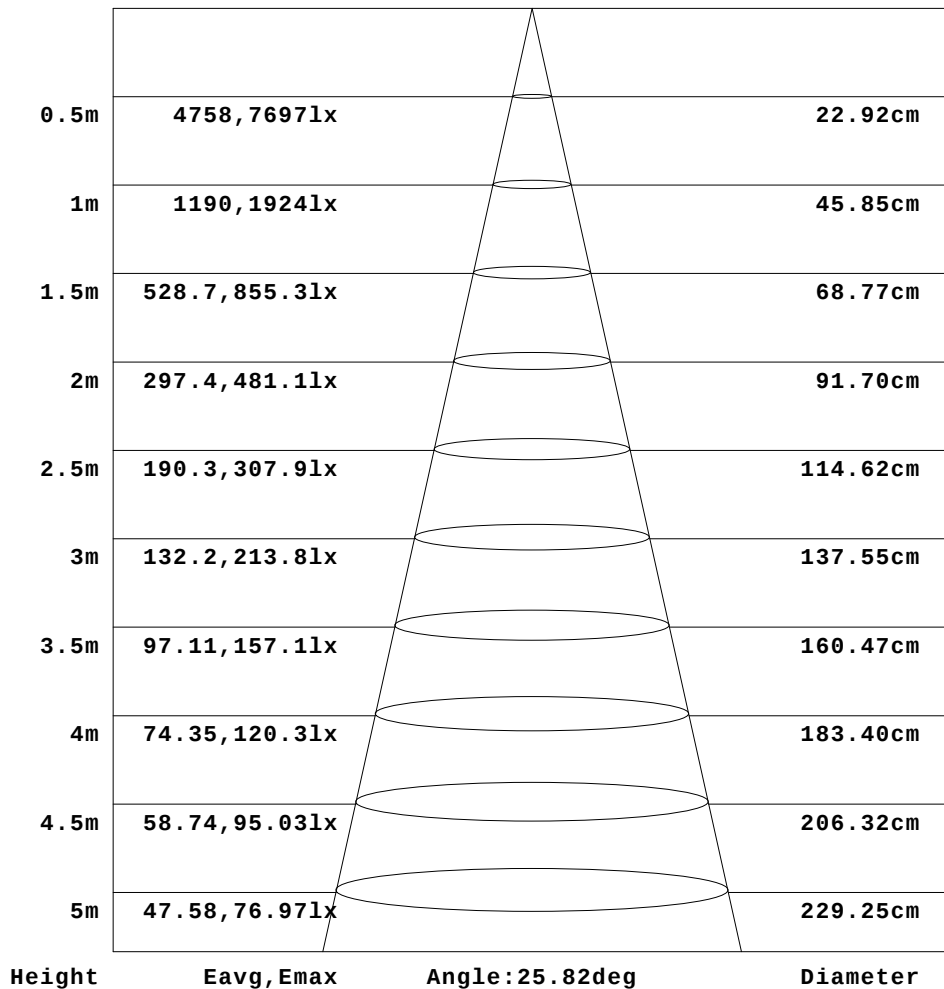
H<sub>(b)</sub> Range:-90 - 90DEG  
H<sub>(b)</sub> Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2026-08-15

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE G0-2000A\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:7.300m [K=1.0000]  
Remarks:

## AAI Figure

|                                                                                  |                   |                     |
|----------------------------------------------------------------------------------|-------------------|---------------------|
| Test:U:220.29V I:0.1235A P:11.385W PF:0.4184 Freq:50.00Hz Lamp Flux:491.196x1 lm |                   |                     |
| NAME: 6457-12W-2700K                                                             | TYPE:室内           | WEIGHT:             |
| SPEC.:                                                                           | DIM.: 88*88*115mm | SERIAL No.:01       |
| MFR.: NORDECOR                                                                   | SUR.:             | Shielding Angle:24° |

Flux out:199.2 lm



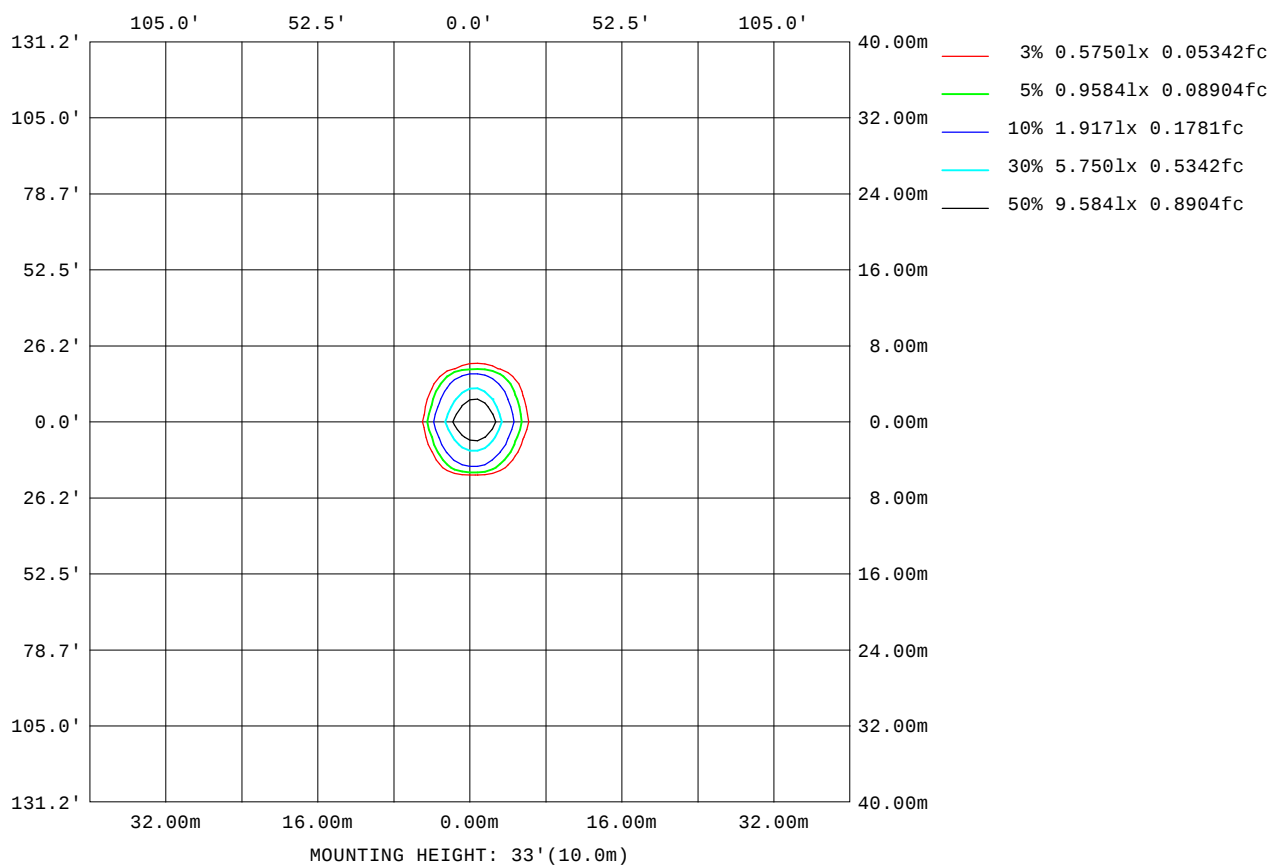
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H<sub>(b)</sub> Range: -90 - 90DEG  
H<sub>(b)</sub> Interval: 1.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2026-08-15

V(B) Range: -75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System: EVERFINE G0-2000A\_V1 SYSTEM V2.00.411  
Humidity: 65.0%  
Test Distance: 7.300m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

|                                                                                  |                   |                     |
|----------------------------------------------------------------------------------|-------------------|---------------------|
| Test:U:220.29V I:0.1235A P:11.385W PF:0.4184 Freq:50.00Hz Lamp Flux:491.196x1 lm |                   |                     |
| NAME: 6457-12W-2700K                                                             | TYPE:室内           | WEIGHT:             |
| SPEC.:                                                                           | DIM.: 88*88*115mm | SERIAL No.:01       |
| MFR.: NORDECOR                                                                   | SUR.:             | Shielding Angle:24° |



H<sub>(b)</sub> Range: -90 - 90DEG  
H<sub>(b)</sub> Interval: 1.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2026-08-15

V(B) Range: -75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System: EVERFINE G0-2000A\_V1 SYSTEM V2.00.411  
Humidity: 65.0%  
Test Distance: 7.300m [K=1.0000]  
Remarks:

## LED Avg.L Report

|                                                                                  |                   |                     |
|----------------------------------------------------------------------------------|-------------------|---------------------|
| Test:U:220.29V I:0.1235A P:11.385W PF:0.4184 Freq:50.00Hz Lamp Flux:491.196x1 lm |                   |                     |
| NAME: 6457-12W-2700K                                                             | TYPE:室内           | WEIGHT:             |
| SPEC.:                                                                           | DIM.: 88*88*115mm | SERIAL No.:01       |
| MFR.: NORDECOR                                                                   | SUR.:             | Shielding Angle:24° |

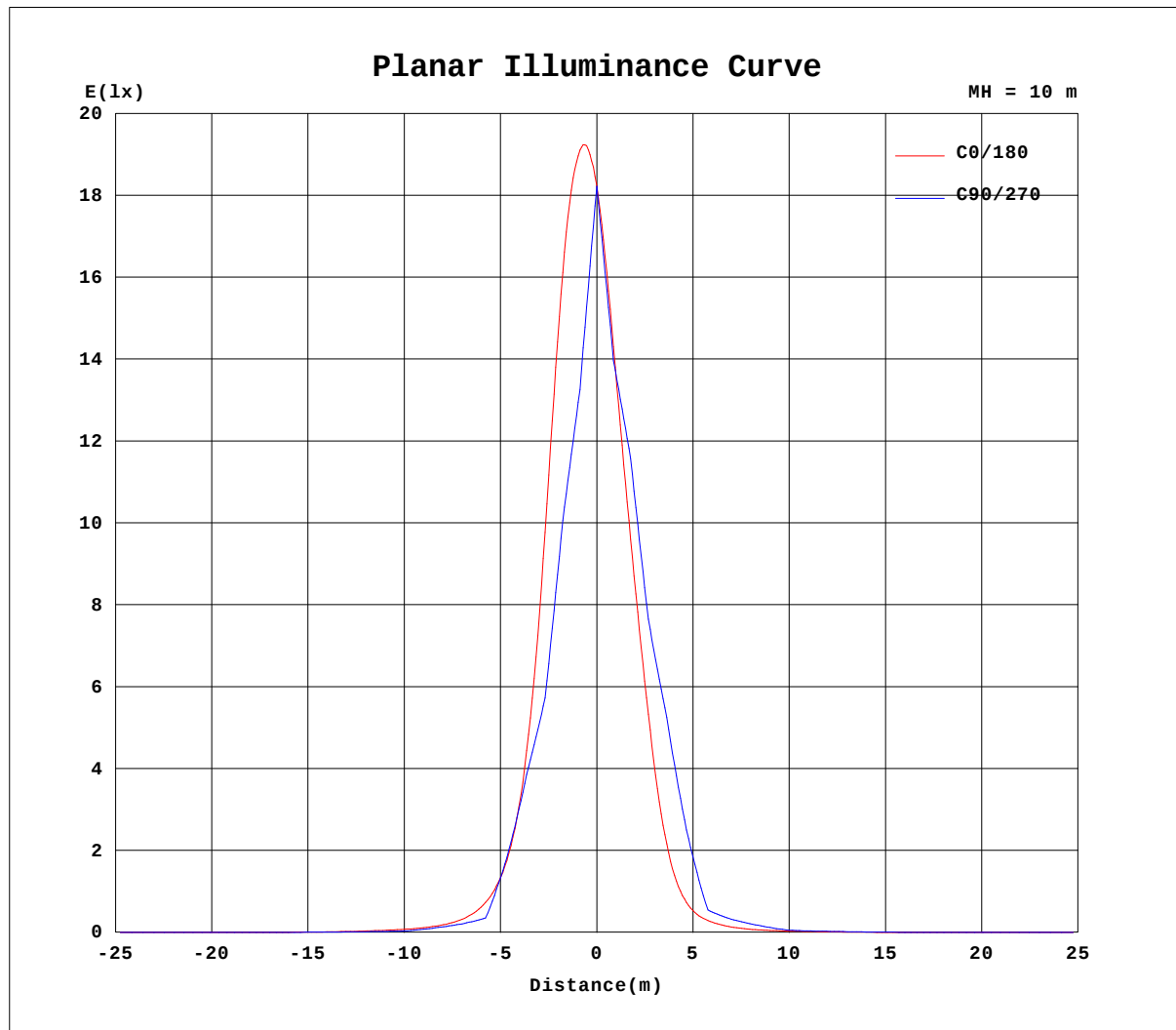
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 44    |
| L_0~180(75)av  | 53    |
| L_0~180(85)av  | 139   |
| L_90~270(65)av | 53    |
| L_90~270(75)av | 50    |
| L_90~270(85)av | 0     |
| L_45(65)av     | 46    |
| L_45(75)av     | 48    |
| L_45(85)av     | 0     |

Standard: GB/T 29293-2012

H<sub>(b)</sub> Range:-90 - 90DEG  
 H<sub>(b)</sub> Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2026-08-15

V(B) Range:-75 - 75DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE G0-2000A\_V1 SYSTEM V2.00.411  
 Humidity:65.0%  
 Test Distance:7.300m [K=1.0000]  
 Remarks:

## Planar Illuminance Curve



H<sub>b</sub> Range: -90 - 90DEG  
H<sub>b</sub> Interval: 1.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2026-08-15

V(B) Range: -75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System: EVERFINE G0-2000A\_V1 SYSTEM V2.00.411  
Humidity: 65.0%  
Test Distance: 7.300m [K=1.0000]  
Remarks:







