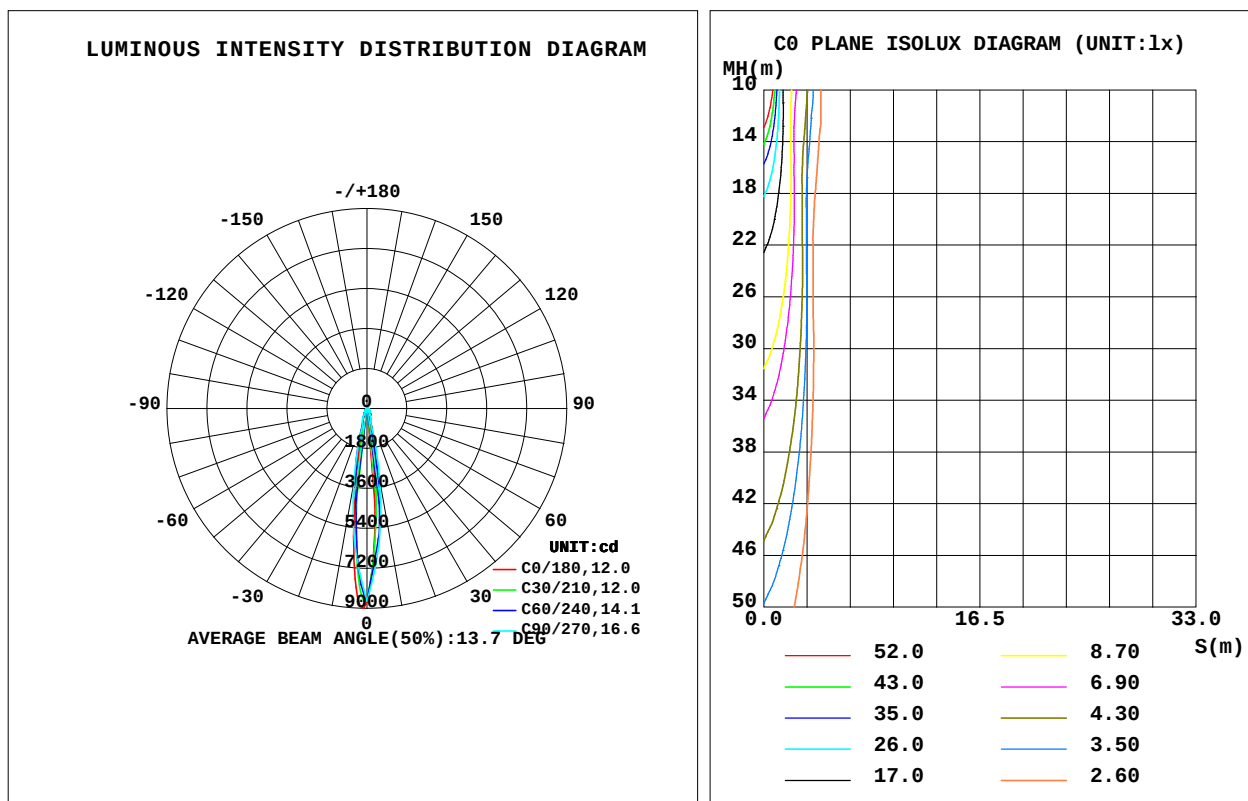


## LUMINAIRE PHOTOMETRIC TEST REPORT

|                                                                                 |                     |                     |
|---------------------------------------------------------------------------------|---------------------|---------------------|
| Test:U:220.25V I:0.1909A P:19.310W PF:0.4593 Freq:50.00Hz Lamp Flux:1120.8x1 lm |                     |                     |
| NAME: 6846-20W-2700K                                                            | TYPE:室内             | WEIGHT:             |
| SPEC.:                                                                          | DIM.: 137*137*105mm | SERIAL No.:01       |
| MFR.: NORDECOR                                                                  | SUR.:               | Shielding Angle:12° |

| DATA OF LAMP     |         | PHOTOMETRIC DATA Eff: 58.04 lm/W |        |                    |          |
|------------------|---------|----------------------------------|--------|--------------------|----------|
| MODEL            |         | I <sub>max</sub> (cd)            | 8989   | S/MH(C0/180)       | 0.25     |
| NOMINAL POWER(W) | 20      | LOR(%)                           | 100.0  | S/MH(C90/270)      | 0.29     |
| RATED VOLTAGE(V) | 85-265V | TOTAL FLUX(lm)                   | 1120.8 | h UP, DN(C0-180)   | 0.0,48.9 |
| NOMINAL FLUX(lm) | 1120.8  | CIE CLASS                        | DIRECT | h UP, DN(C180-360) | 0.0,51.1 |
| 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:2026-08-18

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:6.700m [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  | 1233                  | 2231  | 3347  | 2123  | 2305  | 2159  | 3430  | 2276  | 0- 10   | 424.3   | 424.3   | 37.9, 37.9 |
| 20  | 451.9                 | 452.7 | 522.0 | 443.3 | 545.0 | 476.8 | 610.6 | 522.9 | 10- 20  | 271.1   | 695.4   | 62, 62     |
| 30  | 210.0                 | 209.2 | 195.9 | 215.4 | 236.4 | 228.4 | 211.0 | 225.8 | 20- 30  | 153.8   | 849.2   | 75.8, 75.8 |
| 40  | 102.7                 | 99.58 | 120.8 | 106.3 | 118.9 | 109.0 | 126.7 | 105.3 | 30- 40  | 96.60   | 945.8   | 84.4, 84.4 |
| 50  | 64.83                 | 63.80 | 71.44 | 68.17 | 72.92 | 69.02 | 72.04 | 66.09 | 40- 50  | 66.42   | 1012    | 90.3, 90.3 |
| 60  | 44.39                 | 44.12 | 47.81 | 46.28 | 50.86 | 46.64 | 46.97 | 44.39 | 50- 60  | 50.46   | 1063    | 94.8, 94.8 |
| 70  | 27.53                 | 28.12 | 28.17 | 28.57 | 33.00 | 29.39 | 29.11 | 28.05 | 60- 70  | 37.15   | 1100    | 98.1, 98.1 |
| 80  | 7.541                 | 7.759 | 0     | 7.981 | 13.23 | 9.046 | 0     | 8.580 | 70- 80  | 19.36   | 1119    | 99.9, 99.9 |
| 90  | 2.860                 | 0     | 0     | 0     | 2.009 | 0     | 0     | 0     | 80- 90  | 1.627   | 1121    | 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): 981.86 lm

%lum = 87.6%

%lamp = 87.6%

Conical surface Flux(120deg): 1062.7 lm

%lum = 94.8%

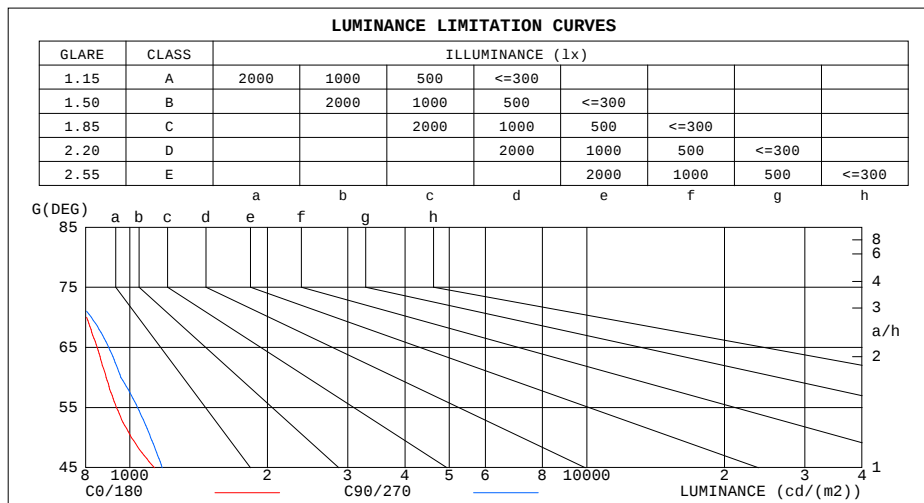
%lamp = 94.8%

H<sub>(b)</sub> Range:-90 - 90DEG  
 H<sub>(b)</sub> Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2026-08-18

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:6.700m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

|                                                                                 |                     |                     |
|---------------------------------------------------------------------------------|---------------------|---------------------|
| Test:U:220.25V I:0.1909A P:19.310W PF:0.4593 Freq:50.00Hz Lamp Flux:1120.8x1 lm |                     |                     |
| NAME: 6846-20W-2700K                                                            | TYPE:室内             | WEIGHT:             |
| SPEC.:                                                                          | DIM.: 137*137*105mm | SERIAL No.:01       |
| MFR.: NORDECOR                                                                  | SUR.:               | Shielding Angle:12° |



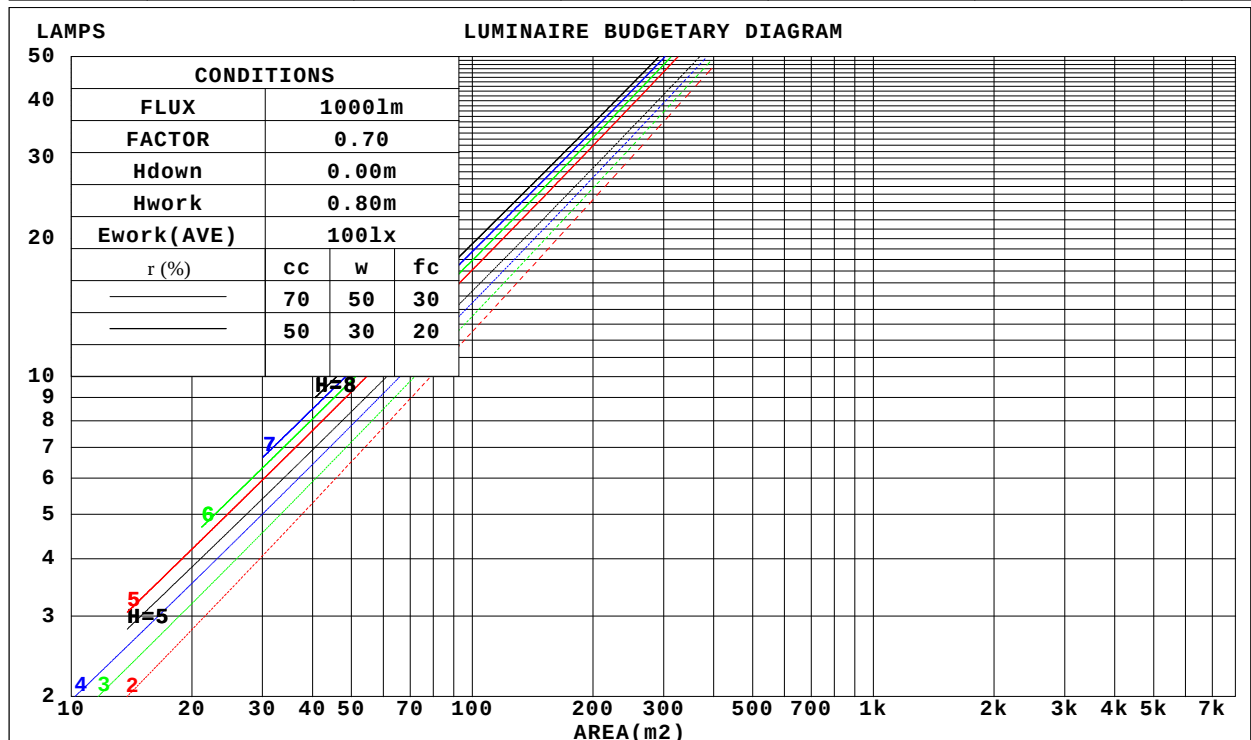
H<sub>(b)</sub> Range: -90 - 90DEG  
H<sub>(b)</sub> Interval: 1.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2026-08-18

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: 6.700m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                                 |                     |                     |
|---------------------------------------------------------------------------------|---------------------|---------------------|
| Test:U:220.25V I:0.1909A P:19.310W PF:0.4593 Freq:50.00Hz Lamp Flux:1120.8x1 lm |                     |                     |
| NAME: 6846-20W-2700K                                                            | TYPE:室内             | WEIGHT:             |
| SPEC.:                                                                          | DIM.: 137*137*105mm | SERIAL No.:01       |
| MFR.: NORDECOR                                                                  | SUR.:               | Shielding Angle:12° |

| 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 | 1.00 |
| 1.0  | 1.11                                                                       | 1.09 | 1.06 | 1.09 | 1.07 | 1.05 | 1.05 | 1.03 | 1.02 | 1.01 | .99  | .99  | .98  | .97  | .96  | .94  |
| 2.0  | 1.04                                                                       | 1.00 | .97  | 1.02 | .99  | .96  | .99  | .96  | .94  | .96  | .94  | .92  | .93  | .91  | .90  | .88  |
| 3.0  | .98                                                                        | .93  | .90  | .96  | .92  | .89  | .94  | .90  | .87  | .92  | .89  | .86  | .89  | .87  | .85  | .83  |
| 4.0  | .93                                                                        | .88  | .84  | .92  | .87  | .83  | .90  | .86  | .82  | .88  | .84  | .81  | .86  | .83  | .81  | .79  |
| 5.0  | .88                                                                        | .83  | .79  | .87  | .83  | .79  | .86  | .82  | .78  | .84  | .80  | .78  | .83  | .79  | .77  | .76  |
| 6.0  | .85                                                                        | .79  | .76  | .84  | .79  | .75  | .82  | .78  | .75  | .81  | .77  | .74  | .80  | .76  | .74  | .73  |
| 7.0  | .81                                                                        | .76  | .72  | .81  | .76  | .72  | .79  | .75  | .72  | .78  | .74  | .72  | .77  | .74  | .71  | .70  |
| 8.0  | .78                                                                        | .73  | .70  | .78  | .73  | .70  | .77  | .72  | .69  | .76  | .72  | .69  | .75  | .71  | .69  | .68  |
| 9.0  | .76                                                                        | .71  | .67  | .75  | .71  | .67  | .74  | .70  | .67  | .74  | .70  | .67  | .73  | .69  | .67  | .66  |
| 10.0 | .73                                                                        | .69  | .65  | .73  | .68  | .65  | .72  | .68  | .65  | .72  | .68  | .65  | .71  | .67  | .65  | .64  |



H<sub>(b)</sub> Range: -90 - 90DEG  
H<sub>(b)</sub> Interval: 1.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2026-08-18

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: 6.700m [K=1.0000]  
Remarks:

**WEC AND CCEC**

|                                                                                 |                     |                     |
|---------------------------------------------------------------------------------|---------------------|---------------------|
| Test:U:220.25V I:0.1909A P:19.310W PF:0.4593 Freq:50.00Hz Lamp Flux:1120.8x1 lm |                     |                     |
| NAME: 6846-20W-2700K                                                            | TYPE:室内             | WEIGHT:             |
| SPEC.:                                                                          | DIM.: 137*137*105mm | SERIAL No.:01       |
| MFR.: NORDECOR                                                                  | SUR.:               | Shielding Angle:12° |

| r <sub>cc</sub> | 80%                   |      |      | 70%                             |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0 |
|-----------------|-----------------------|------|------|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|---|
| r <sub>w</sub>  | 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 |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |      |      |      |   |
| 0.0             |                       |      |      |                                 |      |      |      |      |      |      |      |      |      |      |      |   |
| 1.0             | .173                  | .098 | .031 | .166                            | .095 | .030 | .153 | .088 | .028 | .142 | .082 | .026 | .131 | .076 | .025 |   |
| 2.0             | .163                  | .089 | .027 | .157                            | .086 | .027 | .146 | .081 | .025 | .137 | .077 | .024 | .128 | .072 | .023 |   |
| 3.0             | .151                  | .081 | .024 | .147                            | .079 | .024 | .138 | .075 | .023 | .130 | .071 | .022 | .122 | .067 | .021 |   |
| 4.0             | .141                  | .073 | .022 | .137                            | .072 | .021 | .129 | .069 | .020 | .122 | .066 | .020 | .116 | .063 | .019 |   |
| 5.0             | .132                  | .067 | .019 | .128                            | .066 | .019 | .122 | .063 | .019 | .115 | .061 | .018 | .110 | .059 | .018 |   |
| 6.0             | .123                  | .062 | .018 | .120                            | .061 | .017 | .115 | .059 | .017 | .109 | .057 | .017 | .104 | .055 | .016 |   |
| 7.0             | .116                  | .057 | .016 | .113                            | .056 | .016 | .108 | .055 | .016 | .104 | .053 | .015 | .099 | .052 | .015 |   |
| 8.0             | .109                  | .053 | .015 | .107                            | .053 | .015 | .103 | .051 | .015 | .098 | .050 | .014 | .095 | .049 | .014 |   |
| 9.0             | .103                  | .050 | .014 | .101                            | .049 | .014 | .097 | .048 | .014 | .094 | .047 | .013 | .090 | .046 | .013 |   |
| 10.0            | .098                  | .047 | .013 | .096                            | .046 | .013 | .093 | .045 | .013 | .089 | .044 | .013 | .086 | .043 | .012 |   |

| r <sub>cc</sub> | 80%                   |      |      | 70%                                        |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0 |
|-----------------|-----------------------|------|------|--------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|---|
| r <sub>w</sub>  | 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 |      |      | Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |      |      |      |   |
| 0.0             | .190                  | .190 | .190 | .163                                       | .163 | .163 | .111 | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 |   |
| 1.0             | .171                  | .157 | .145 | .146                                       | .135 | .125 | .100 | .093 | .086 | .058 | .054 | .050 | .018 | .017 | .016 |   |
| 2.0             | .155                  | .133 | .114 | .133                                       | .114 | .098 | .091 | .079 | .069 | .052 | .046 | .040 | .017 | .015 | .013 |   |
| 3.0             | .142                  | .113 | .091 | .121                                       | .098 | .079 | .083 | .068 | .055 | .048 | .040 | .033 | .015 | .013 | .011 |   |
| 4.0             | .130                  | .099 | .074 | .112                                       | .085 | .065 | .077 | .059 | .046 | .044 | .035 | .027 | .014 | .011 | .009 |   |
| 5.0             | .120                  | .087 | .062 | .103                                       | .075 | .054 | .071 | .052 | .038 | .041 | .031 | .023 | .013 | .010 | .007 |   |
| 6.0             | .112                  | .077 | .052 | .096                                       | .067 | .045 | .066 | .047 | .032 | .038 | .027 | .019 | .012 | .009 | .006 |   |
| 7.0             | .104                  | .069 | .045 | .090                                       | .060 | .039 | .062 | .042 | .027 | .036 | .025 | .016 | .012 | .008 | .005 |   |
| 8.0             | .097                  | .062 | .038 | .084                                       | .054 | .034 | .058 | .038 | .024 | .034 | .022 | .014 | .011 | .007 | .005 |   |
| 9.0             | .092                  | .057 | .034 | .079                                       | .049 | .029 | .055 | .035 | .021 | .032 | .021 | .012 | .010 | .007 | .004 |   |
| 10.0            | .086                  | .052 | .030 | .074                                       | .045 | .026 | .052 | .032 | .018 | .030 | .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:** 2026-08-18

**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:** 6.700m [K=1.0000]  
**Remarks:**

**UGR(Unified Glare Rating) Table**

|                                                                                 |               |                  |      |      |                     |               |                |                     |      |      |      |
|---------------------------------------------------------------------------------|---------------|------------------|------|------|---------------------|---------------|----------------|---------------------|------|------|------|
| Test:U:220.25V I:0.1909A P:19.310W PF:0.4593 Freq:50.00Hz Lamp Flux:1120.8x1 lm |               |                  |      |      |                     |               |                |                     |      |      |      |
| NAME: 6846-20W-2700K                                                            |               |                  |      |      | TYPE:室内             |               |                | WEIGHT:             |      |      |      |
| SPEC.:                                                                          |               |                  |      |      | DIM.: 137*137*105mm |               |                | SERIAL No.:01       |      |      |      |
| MFR.: NORDECOR                                                                  |               |                  |      |      | SUR.:               |               |                | Shielding Angle:12° |      |      |      |
| 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                                                                   | 8.3           | 9.1              | 8.5  | 9.2  | 9.4                 | 8.6           | 9.5            | 8.9                 | 9.6  | 9.8  |      |
|                                                                                 | 3H            | 9.6              | 10.4 | 9.9  | 10.6                | 10.8          | 9.9            | 10.7                | 10.2 | 10.9 | 11.1 |
|                                                                                 | 4H            | 10.1             | 10.9 | 10.4 | 11.1                | 11.3          | 10.4           | 11.1                | 10.6 | 11.3 | 11.5 |
|                                                                                 | 6H            | 10.4             | 11.1 | 10.7 | 11.3                | 11.5          | 10.4           | 11.1                | 10.7 | 11.3 | 11.6 |
|                                                                                 | 8H            | 10.4             | 11.0 | 10.7 | 11.3                | 11.6          | 10.4           | 11.0                | 10.7 | 11.3 | 11.5 |
|                                                                                 | 12H           | 10.4             | 11.0 | 10.7 | 11.3                | 11.5          | 10.3           | 11.0                | 10.6 | 11.2 | 11.5 |
| 4H                                                                              | 2H            | 8.8              | 9.6  | 9.1  | 9.8                 | 10.0          | 9.1            | 9.9                 | 9.4  | 10.1 | 10.3 |
|                                                                                 | 3H            | 10.4             | 11.0 | 10.7 | 11.3                | 11.6          | 10.6           | 11.2                | 10.9 | 11.5 | 11.8 |
|                                                                                 | 4H            | 10.9             | 11.5 | 11.3 | 11.8                | 12.1          | 11.1           | 11.7                | 11.5 | 12.0 | 12.3 |
|                                                                                 | 6H            | 11.2             | 11.8 | 11.6 | 12.1                | 12.4          | 11.2           | 11.7                | 11.6 | 12.1 | 12.4 |
|                                                                                 | 8H            | 11.2             | 11.7 | 11.6 | 12.1                | 12.5          | 11.1           | 11.6                | 11.5 | 12.0 | 12.4 |
|                                                                                 | 12H           | 11.2             | 11.7 | 11.6 | 12.1                | 12.4          | 11.1           | 11.5                | 11.5 | 11.9 | 12.3 |
| 8H                                                                              | 4H            | 11.1             | 11.6 | 11.5 | 12.0                | 12.3          | 11.3           | 11.8                | 11.7 | 12.1 | 12.5 |
|                                                                                 | 6H            | 11.5             | 11.9 | 11.9 | 12.3                | 12.7          | 11.4           | 11.8                | 11.8 | 12.2 | 12.6 |
|                                                                                 | 8H            | 11.5             | 11.9 | 12.0 | 12.3                | 12.7          | 11.3           | 11.7                | 11.8 | 12.1 | 12.5 |
|                                                                                 | 12H           | 11.5             | 11.8 | 12.0 | 12.3                | 12.8          | 11.3           | 11.6                | 11.7 | 12.0 | 12.5 |
| 12H                                                                             | 4H            | 11.1             | 11.5 | 11.5 | 11.9                | 12.3          | 11.3           | 11.7                | 11.7 | 12.1 | 12.5 |
|                                                                                 | 6H            | 11.4             | 11.8 | 11.9 | 12.2                | 12.7          | 11.3           | 11.7                | 11.8 | 12.1 | 12.6 |
|                                                                                 | 8H            | 11.5             | 11.8 | 12.0 | 12.2                | 12.7          | 11.3           | 11.6                | 11.8 | 12.0 | 12.5 |
| Variations with the observer position at spacings:                              |               |                  |      |      |                     |               |                |                     |      |      |      |
| S = 1.0H                                                                        | + 0.3 / - 0.5 |                  |      |      |                     | + 0.3 / - 0.4 |                |                     |      |      |      |
| 1.5H                                                                            | + 0.2 / - 0.4 |                  |      |      |                     | + 0.5 / - 0.3 |                |                     |      |      |      |
| 2.0H                                                                            | + 0.6 / - 0.5 |                  |      |      |                     | + 0.4 / - 0.6 |                |                     |      |      |      |

CIE Pub.117, 1121 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.4)  
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: 2026-08-18

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: 6.700m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

|                                                                                 |                     |                     |
|---------------------------------------------------------------------------------|---------------------|---------------------|
| Test:U:220.25V I:0.1909A P:19.310W PF:0.4593 Freq:50.00Hz Lamp Flux:1120.8x1 lm |                     |                     |
| NAME: 6846-20W-2700K                                                            | TYPE:室内             | WEIGHT:             |
| SPEC.:                                                                          | DIM.: 137*137*105mm | SERIAL No.:01       |
| MFR.: NORDECOR                                                                  | SUR.:               | Shielding Angle:12° |

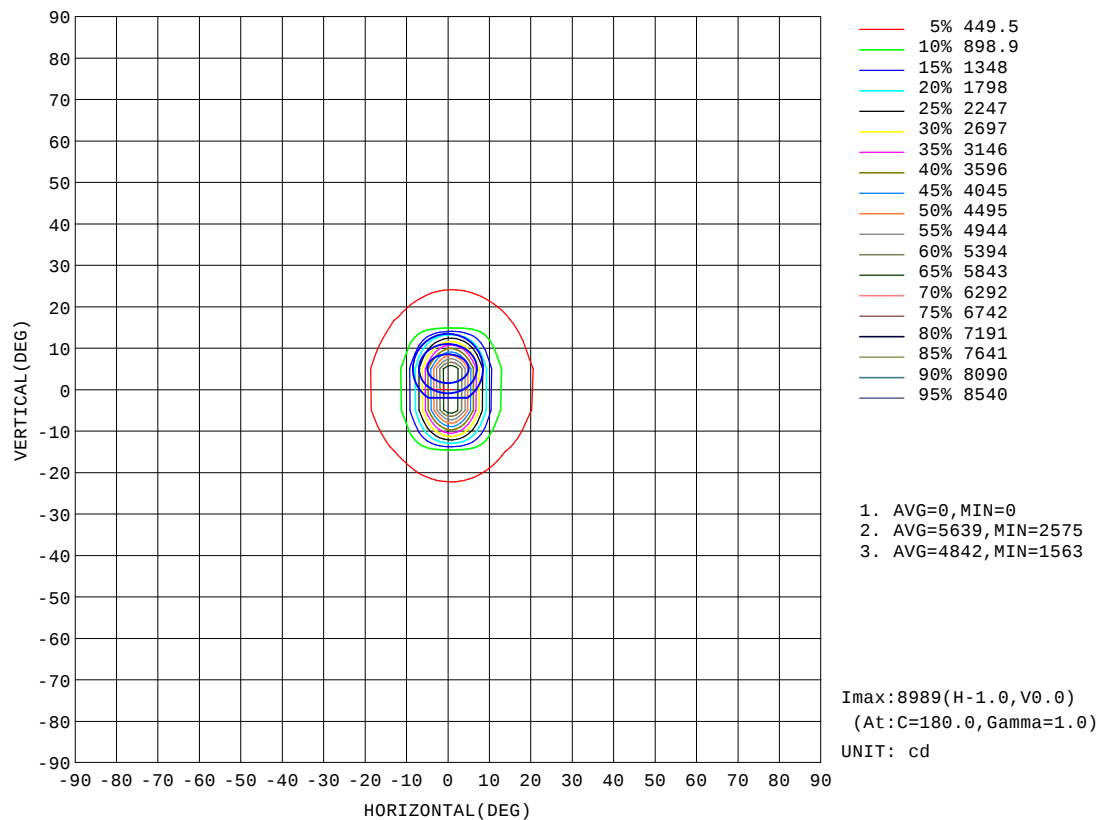
| REFLECTANCE                      |                                                     |     |           |     |     |     |     |               |     |        |
|----------------------------------|-----------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| 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                         | 82                                                  | 75  | 70        | 81  | 74  | 70  | 81  | 74            | 70  | 66     |
| 0.80                             | 90                                                  | 83  | 78        | 89  | 83  | 78  | 88  | 82            | 78  | 74     |
| 1.00                             | 95                                                  | 88  | 84        | 94  | 88  | 84  | 92  | 88            | 83  | 79     |
| 1.25                             | 99                                                  | 93  | 89        | 98  | 93  | 89  | 96  | 91            | 88  | 83     |
| 1.50                             | 103                                                 | 97  | 93        | 101 | 96  | 92  | 99  | 95            | 91  | 86     |
| 2.00                             | 106                                                 | 101 | 97        | 105 | 100 | 96  | 102 | 98            | 95  | 89     |
| 2.50                             | 108                                                 | 104 | 100       | 106 | 102 | 99  | 103 | 100           | 97  | 91     |
| 3.00                             | 110                                                 | 106 | 103       | 108 | 105 | 102 | 105 | 102           | 99  | 93     |
| 4.00                             | 112                                                 | 109 | 107       | 110 | 108 | 105 | 107 | 104           | 102 | 95     |
| 5.00                             | 114                                                 | 111 | 109       | 112 | 109 | 107 | 108 | 106           | 104 | 97     |
| 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:2026-08-18

**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:6.700m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

|                                                                                 |                     |                     |
|---------------------------------------------------------------------------------|---------------------|---------------------|
| Test:U:220.25V I:0.1909A P:19.310W PF:0.4593 Freq:50.00Hz Lamp Flux:1120.8x1 lm |                     |                     |
| NAME: 6846-20W-2700K                                                            | TYPE:室内             | WEIGHT:             |
| SPEC.:                                                                          | DIM.: 137*137*105mm | SERIAL No.:01       |
| MFR.: NORDECOR                                                                  | SUR.:               | Shielding Angle:12° |



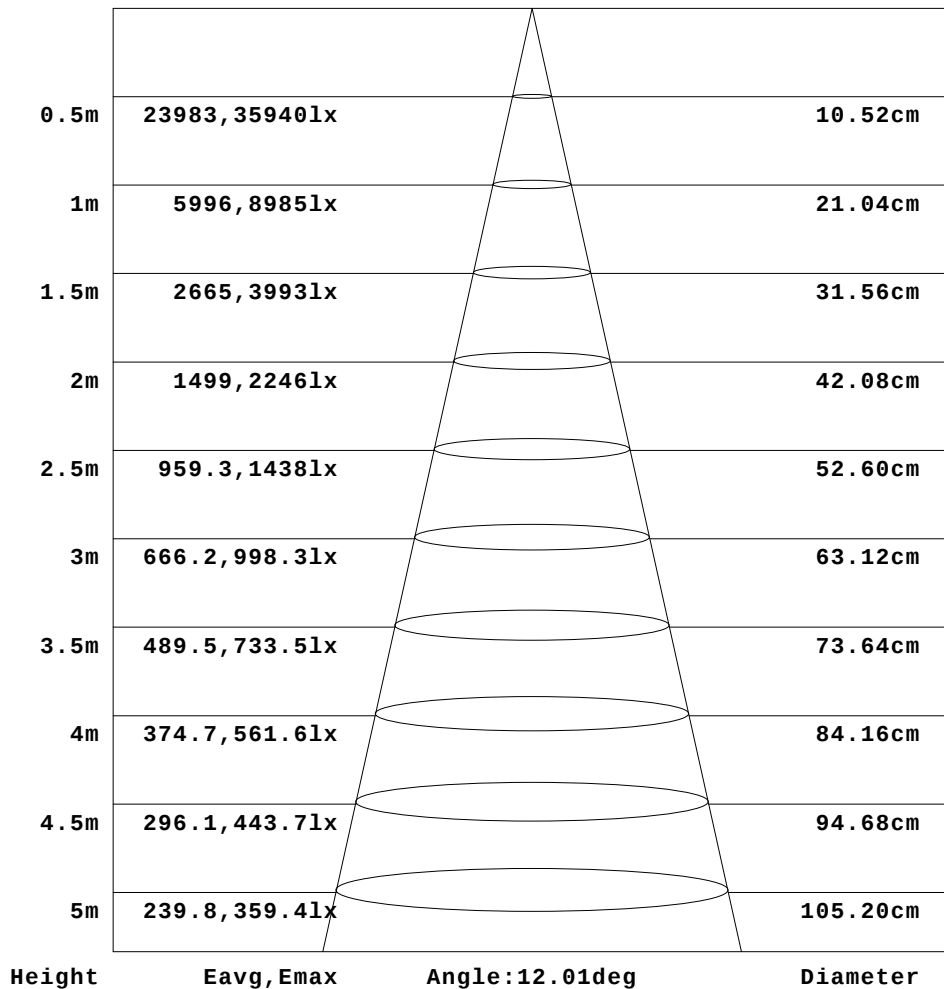
H<sub>(b)</sub> Range: -90 - 90DEG  
H<sub>(b)</sub> Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2026-08-18

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:6.700m [K=1.0000]  
Remarks:

## AAI Figure

|                                                                                 |                     |                     |
|---------------------------------------------------------------------------------|---------------------|---------------------|
| Test:U:220.25V I:0.1909A P:19.310W PF:0.4593 Freq:50.00Hz Lamp Flux:1120.8x1 lm |                     |                     |
| NAME: 6846-20W-2700K                                                            | TYPE:室内             | WEIGHT:             |
| SPEC.:                                                                          | DIM.: 137*137*105mm | SERIAL No.:01       |
| MFR.: NORDECOR                                                                  | SUR.:               | Shielding Angle:12° |

Flux out:244.5 lm



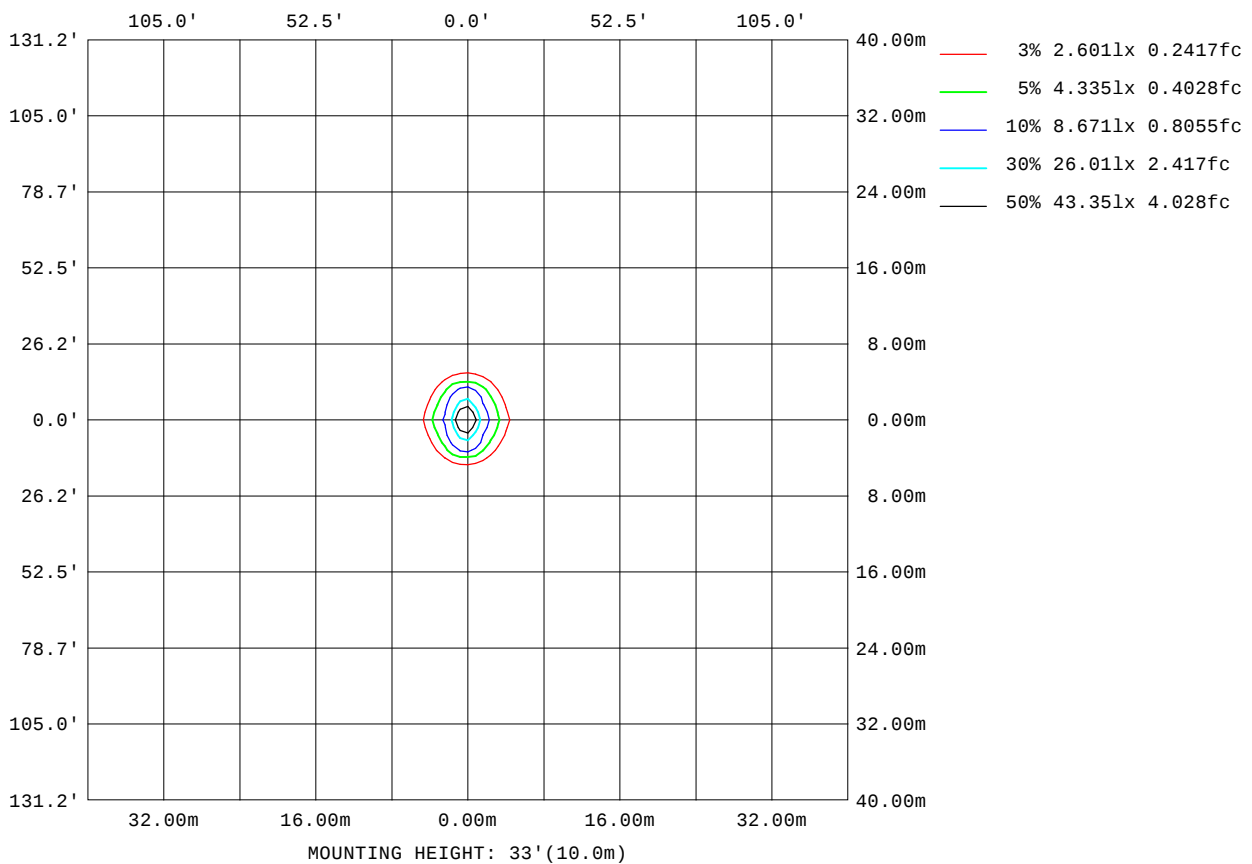
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H<sub>(b)</sub> Range:-90 - 90DEG  
H<sub>(b)</sub> Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2026-08-18

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:6.700m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

|                                                                                 |                     |                     |
|---------------------------------------------------------------------------------|---------------------|---------------------|
| Test:U:220.25V I:0.1909A P:19.310W PF:0.4593 Freq:50.00Hz Lamp Flux:1120.8x1 lm |                     |                     |
| NAME: 6846-20W-2700K                                                            | TYPE:室内             | WEIGHT:             |
| SPEC.:                                                                          | DIM.: 137*137*105mm | SERIAL No.:01       |
| MFR.: NORDECOR                                                                  | SUR.:               | Shielding Angle:12° |



H<sub>(b)</sub> Range: -90 - 90DEG  
H<sub>(b)</sub> Interval: 1.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2026-08-18

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: 6.700m [K=1.0000]  
Remarks:

## LED Avg.L Report

|                                                                                 |                     |                     |
|---------------------------------------------------------------------------------|---------------------|---------------------|
| Test:U:220.25V I:0.1909A P:19.310W PF:0.4593 Freq:50.00Hz Lamp Flux:1120.8x1 lm |                     |                     |
| NAME: 6846-20W-2700K                                                            | TYPE:室内             | WEIGHT:             |
| SPEC.:                                                                          | DIM.: 137*137*105mm | SERIAL No.:01       |
| MFR.: NORDECOR                                                                  | SUR.:               | Shielding Angle:12° |

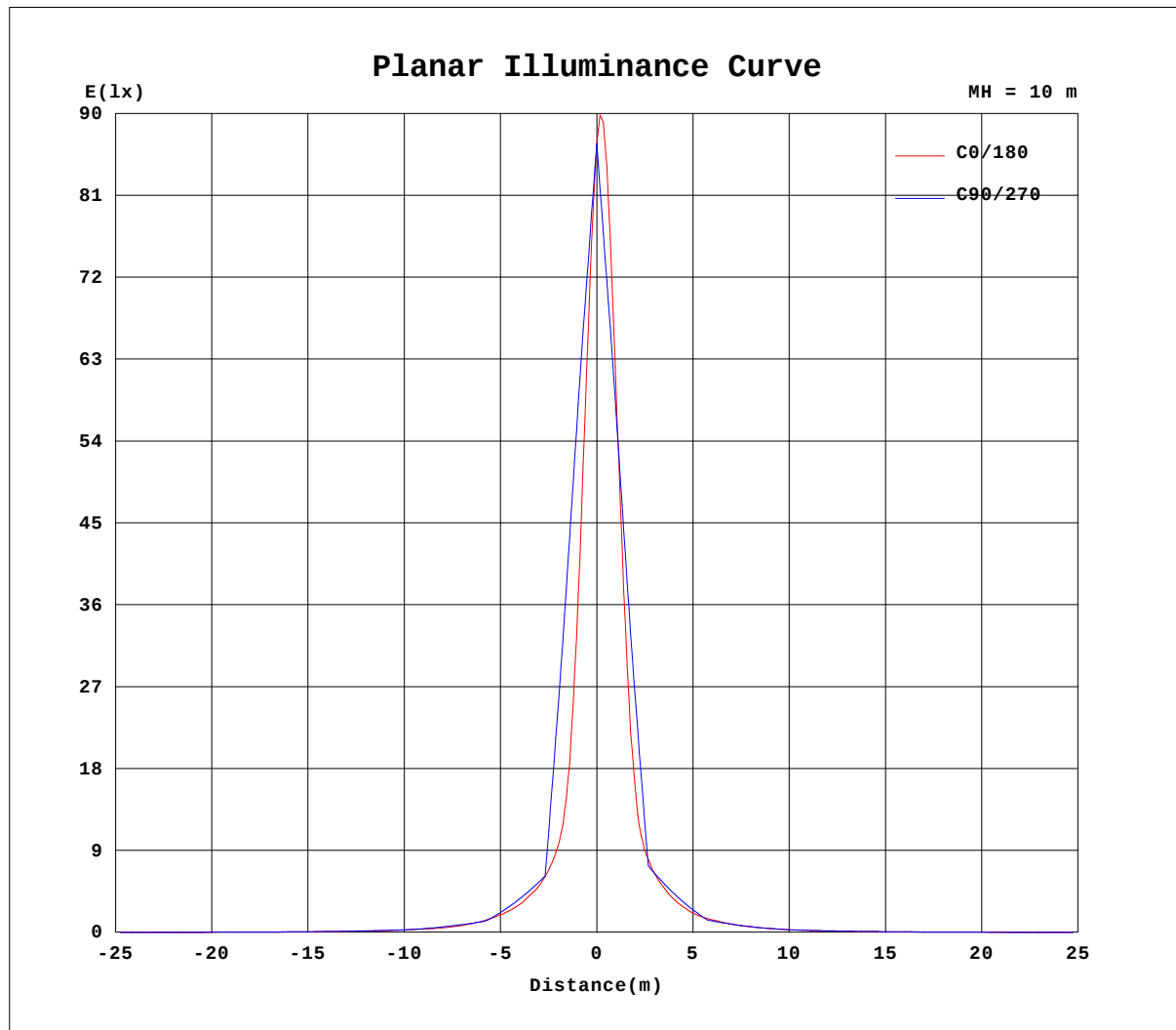
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 923   |
| L_0~180(75)av  | 781   |
| L_0~180(85)av  | 419   |
| L_90~270(65)av | 900   |
| L_90~270(75)av | 744   |
| L_90~270(85)av | 0     |
| L_45(65)av     | 881   |
| L_45(75)av     | 724   |
| L_45(85)av     | 0     |

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:2026-08-18

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:6.700m [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: 2026-08-18

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: 6.700m [K=1.0000]  
Remarks:







