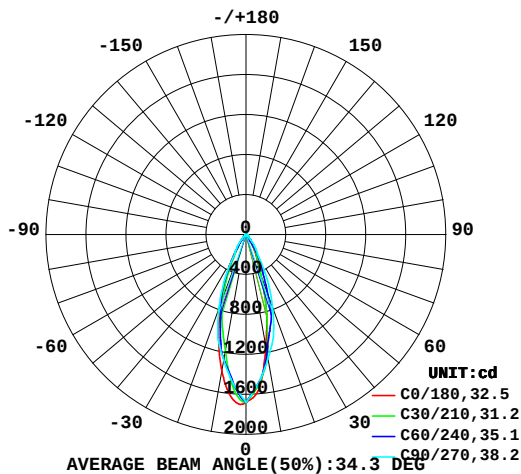


## LUMINAIRE PHOTOMETRIC TEST REPORT

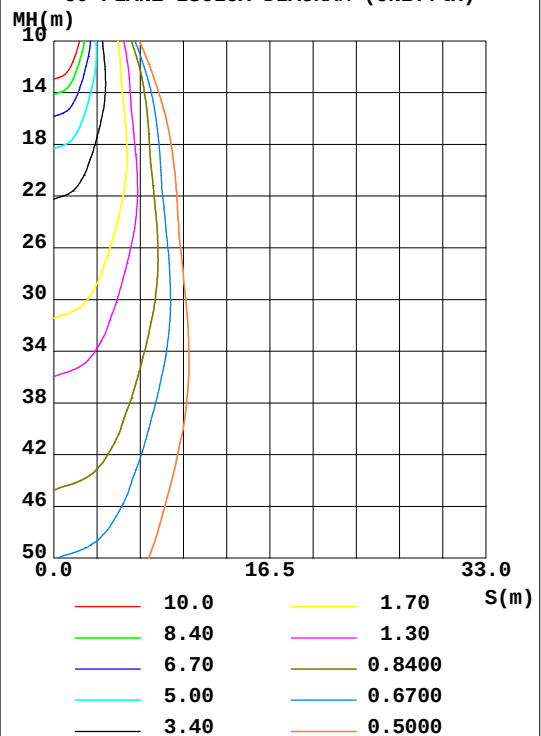
|                                                                                  |                   |                     |
|----------------------------------------------------------------------------------|-------------------|---------------------|
| Test:U:220.24V I:0.0846A P:8.4043W PF:0.4511 Freq:50.00Hz Lamp Flux:693.661x1 lm |                   |                     |
| NAME: 6809                                                                       | TYPE:8W-4000K     | WEIGHT:             |
| SPEC.:                                                                           | DIM.: 100*55*85mm | SERIAL No.:01       |
| MFR.: NORDECOR                                                                   | SUR.:             | Shielding Angle:35° |

| DATA OF LAMP     |         | PHOTOMETRIC DATA Eff: 82.54 lm/W |        |                    |          |
|------------------|---------|----------------------------------|--------|--------------------|----------|
| MODEL            |         | I <sub>max</sub> (cd)            | 1701   | S/MH(C0/180)       | 0.60     |
| NOMINAL POWER(W) | 8       | LOR(%)                           | 100.0  | S/MH(C90/270)      | 0.62     |
| RATED VOLTAGE(V) | 85-265V | TOTAL FLUX(lm)                   | 693.66 | h UP, DN(C0-180)   | 0.0,49.7 |
| NOMINAL FLUX(lm) | 693.661 | CIE CLASS                        | DIRECT | h UP, DN(C180-360) | 0.0,50.3 |
| LAMPS INSIDE     | 1       | h up(%)                          | 0.0    | CIBSE SHR NOM      | 0.50     |
| TEST VOLTAGE(V)  | 220     | h down(%)                        | 100.0  | CIBSE SHR MAX      | 0.60     |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



H<sub>(b)</sub> Range: -90 - 90DEG  
H<sub>(b)</sub> Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2026-07-30

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:7.500m [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  | 1148                  | 1206  | 1265  | 1217  | 1391  | 1227  | 1280  | 1215  | 0- 10   | 135.3    | 135.3   | 19.5, 19.5 |
| 20  | 434.2                 | 597.9 | 784.2 | 646.1 | 745.1 | 669.2 | 796.9 | 597.7 | 10- 20  | 257.1    | 392.4   | 56.6, 56.6 |
| 30  | 145.3                 | 169.2 | 239.3 | 262.3 | 273.5 | 273.3 | 233.3 | 164.4 | 20- 30  | 185.2    | 577.7   | 83.3, 83.3 |
| 40  | 32.21                 | 33.70 | 96.49 | 57.12 | 69.16 | 61.62 | 90.46 | 30.47 | 30- 40  | 71.86    | 649.5   | 93.6, 93.6 |
| 50  | 9.860                 | 12.79 | 20.52 | 21.42 | 19.71 | 20.17 | 15.78 | 11.11 | 40- 50  | 21.79    | 671.3   | 96.8, 96.8 |
| 60  | 7.037                 | 7.012 | 11.40 | 11.34 | 13.37 | 10.07 | 9.296 | 6.242 | 50- 60  | 10.23    | 681.5   | 98.3, 98.3 |
| 70  | 4.800                 | 4.639 | 7.379 | 6.373 | 8.234 | 5.515 | 6.416 | 4.217 | 60- 70  | 7.386    | 688.9   | 99.3, 99.3 |
| 80  | 2.209                 | 2.169 | 0     | 2.071 | 3.002 | 2.096 | 0     | 2.310 | 70- 80  | 4.122    | 693.1   | 99.9, 99.9 |
| 90  | 2.065                 | 0     | 0     | 0     | 2.094 | 0     | 0     | 0     | 80- 90  | 0.6049   | 693.7   | 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): 664.22 lm

%lum = 95.8%

%lamp = 95.8%

Conical surface Flux(120deg): 681.55 lm

%lum = 98.3%

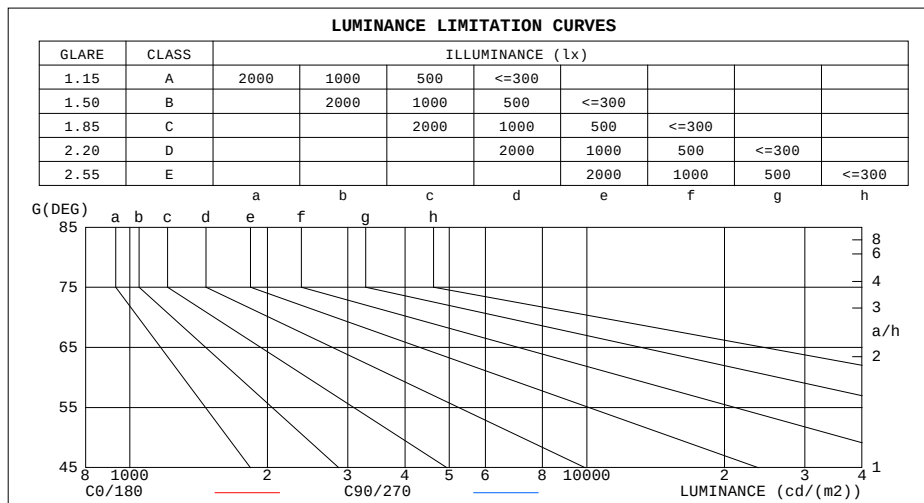
%lamp = 98.3%

H<sub>(b)</sub> Range:-90 - 90DEG  
 H<sub>(b)</sub> Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2026-07-30

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:7.500m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

|                                                                                  |                   |                     |
|----------------------------------------------------------------------------------|-------------------|---------------------|
| Test:U:220.24V I:0.0846A P:8.4043W PF:0.4511 Freq:50.00Hz Lamp Flux:693.661x1 lm |                   |                     |
| NAME: 6809                                                                       | TYPE:8W-4000K     | WEIGHT:             |
| SPEC.:                                                                           | DIM.: 100*55*85mm | SERIAL No.:01       |
| MFR.: NORDECOR                                                                   | SUR.:             | Shielding Angle:35° |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G(DEG)            | C0/180 | C90/270 |
| 85                | 242    | 0       |
| 80                | 127    | 0       |
| 75                | 118    | 211     |
| 70                | 140    | 216     |
| 65                | 139    | 225     |
| 60                | 141    | 228     |
| 55                | 148    | 279     |
| 50                | 153    | 319     |
| 45                | 202    | 352     |

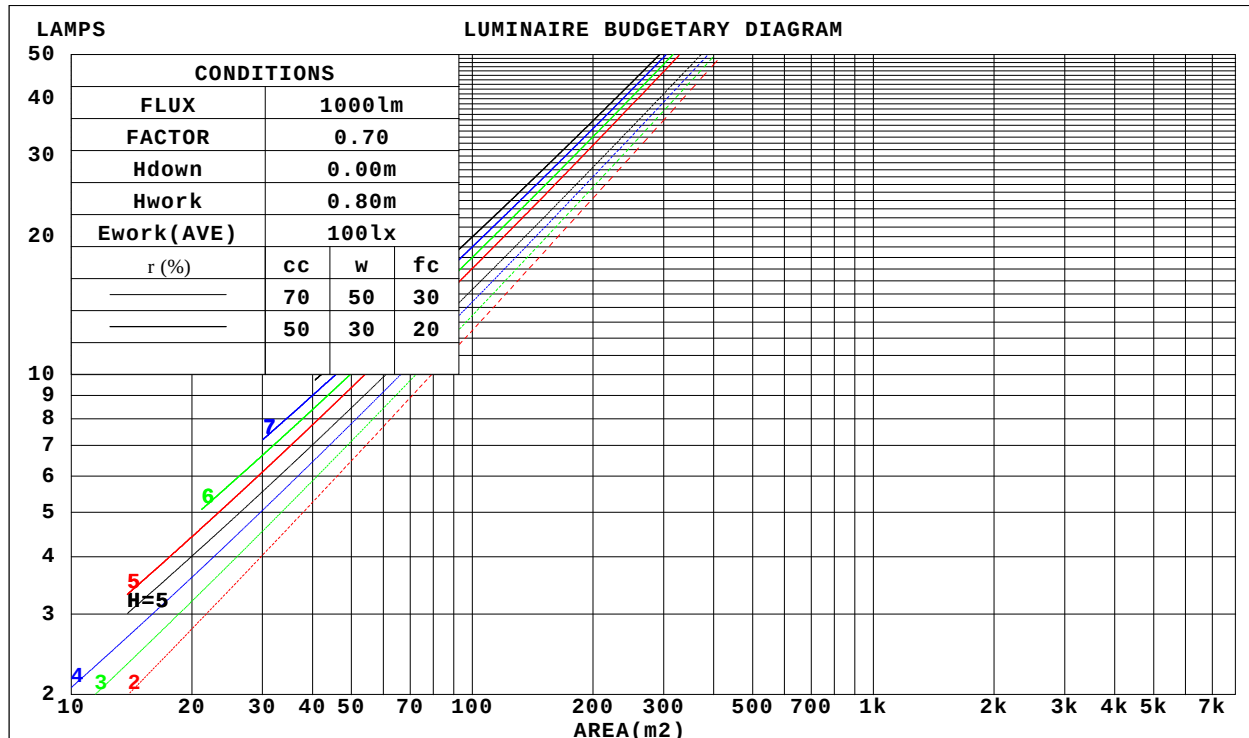
**H<sub>(b)</sub> Range:** -90 - 90DEG  
**H<sub>(b)</sub> Interval:** 1.0DEG  
**Test Speed:** HIGH  
**Temperature:** 25.3DEG  
**Operators:**  
**Test Date:** 2026-07-30

**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:** 7.500m [K=1.0000]  
**Remarks:**

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                                  |                   |                     |
|----------------------------------------------------------------------------------|-------------------|---------------------|
| Test:U:220.24V I:0.0846A P:8.4043W PF:0.4511 Freq:50.00Hz Lamp Flux:693.661x1 lm |                   |                     |
| NAME: 6809                                                                       | TYPE:8W-4000K     | WEIGHT:             |
| SPEC.:                                                                           | DIM.: 100*55*85mm | SERIAL No.:01       |
| MFR.: NORDECOR                                                                   | SUR.:             | Shielding Angle:35° |

| 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 | 1.07 | 1.09 | 1.07 | 1.05 | 1.05 | 1.04 | 1.02 | 1.02 | 1.00 | .99  | .98  | .97  | .96  | .94  |
| 2.0  | 1.05                                                                       | 1.01 | .98  | 1.03 | .99  | .97  | .90  | .97  | .95  | .97  | .94  | .93  | .94  | .92  | .91  | .89  |
| 3.0  | .98                                                                        | .94  | .90  | .97  | .93  | .90  | .95  | .91  | .88  | .92  | .89  | .87  | .90  | .88  | .86  | .84  |
| 4.0  | .93                                                                        | .88  | .84  | .92  | .87  | .84  | .90  | .86  | .83  | .88  | .85  | .82  | .86  | .83  | .81  | .80  |
| 5.0  | .88                                                                        | .83  | .79  | .87  | .83  | .79  | .86  | .81  | .78  | .84  | .80  | .78  | .83  | .79  | .77  | .76  |
| 6.0  | .84                                                                        | .79  | .75  | .83  | .78  | .75  | .82  | .77  | .74  | .80  | .77  | .74  | .79  | .76  | .73  | .72  |
| 7.0  | .80                                                                        | .75  | .71  | .79  | .74  | .71  | .78  | .74  | .70  | .77  | .73  | .70  | .76  | .72  | .70  | .69  |
| 8.0  | .76                                                                        | .71  | .68  | .76  | .71  | .67  | .75  | .70  | .67  | .74  | .70  | .67  | .73  | .69  | .67  | .65  |
| 9.0  | .73                                                                        | .68  | .65  | .73  | .68  | .64  | .72  | .67  | .64  | .71  | .67  | .64  | .70  | .66  | .64  | .63  |
| 10.0 | .70                                                                        | .65  | .62  | .70  | .65  | .62  | .69  | .65  | .61  | .68  | .64  | .61  | .68  | .64  | .61  | .60  |



H<sub>(b)</sub> Range: -90 - 90DEG  
H<sub>(b)</sub> Interval: 1.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2026-07-30

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: 7.500m [K=1.0000]  
Remarks:

**WEC AND CCEC**

|                                                                                  |  |  |                   |  |                     |
|----------------------------------------------------------------------------------|--|--|-------------------|--|---------------------|
| Test:U:220.24V I:0.0846A P:8.4043W PF:0.4511 Freq:50.00Hz Lamp Flux:693.661x1 lm |  |  |                   |  |                     |
| NAME: 6809                                                                       |  |  | TYPE:8W-4000K     |  | WEIGHT:             |
| SPEC.:                                                                           |  |  | DIM.: 100*55*85mm |  | SERIAL No.:01       |
| MFR.: NORDECOR                                                                   |  |  | SUR.:             |  | Shielding Angle:35° |

| 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             | .166                  | .094 | .030 | .159                            | .091 | .029 | .147 | .084 | .027 | .135 | .078 | .025 | .125 | .072 | .023 |   |
| 2.0             | .157                  | .086 | .026 | .151                            | .083 | .026 | .141 | .078 | .024 | .131 | .073 | .023 | .122 | .069 | .022 |   |
| 3.0             | .148                  | .079 | .024 | .143                            | .076 | .023 | .134 | .073 | .022 | .126 | .069 | .021 | .118 | .065 | .020 |   |
| 4.0             | .139                  | .072 | .021 | .135                            | .071 | .021 | .128 | .068 | .020 | .121 | .065 | .020 | .114 | .062 | .019 |   |
| 5.0             | .132                  | .067 | .019 | .128                            | .066 | .019 | .122 | .063 | .019 | .116 | .061 | .018 | .110 | .059 | .018 |   |
| 6.0             | .125                  | .063 | .018 | .122                            | .062 | .018 | .116 | .060 | .017 | .111 | .058 | .017 | .106 | .056 | .017 |   |
| 7.0             | .119                  | .059 | .017 | .116                            | .058 | .017 | .111 | .056 | .016 | .107 | .055 | .016 | .102 | .053 | .016 |   |
| 8.0             | .114                  | .056 | .016 | .111                            | .055 | .015 | .107 | .053 | .015 | .103 | .052 | .015 | .099 | .051 | .015 |   |
| 9.0             | .109                  | .053 | .015 | .107                            | .052 | .015 | .103 | .051 | .014 | .099 | .050 | .014 | .095 | .048 | .014 |   |
| 10.0            | .104                  | .050 | .014 | .102                            | .049 | .014 | .099 | .048 | .014 | .095 | .047 | .013 | .092 | .046 | .013 |   |

| 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             | .170                  | .157 | .146 | .146                                       | .135 | .125 | .100 | .093 | .087 | .057 | .054 | .050 | .018 | .017 | .016 |   |
| 2.0             | .154                  | .133 | .114 | .132                                       | .114 | .099 | .091 | .079 | .069 | .052 | .046 | .040 | .017 | .015 | .013 |   |
| 3.0             | .141                  | .113 | .092 | .121                                       | .098 | .079 | .083 | .068 | .056 | .048 | .040 | .033 | .015 | .013 | .011 |   |
| 4.0             | .130                  | .099 | .075 | .111                                       | .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 | .097                                       | .067 | .045 | .067 | .047 | .032 | .039 | .027 | .019 | .012 | .009 | .006 |   |
| 7.0             | .105                  | .069 | .044 | .091                                       | .060 | .038 | .063 | .042 | .027 | .036 | .025 | .016 | .012 | .008 | .005 |   |
| 8.0             | .099                  | .063 | .038 | .085                                       | .055 | .033 | .059 | .038 | .023 | .034 | .023 | .014 | .011 | .007 | .005 |   |
| 9.0             | .094                  | .058 | .033 | .081                                       | .050 | .029 | .056 | .035 | .020 | .033 | .021 | .012 | .011 | .007 | .004 |   |
| 10.0            | .089                  | .053 | .029 | .077                                       | .046 | .025 | .053 | .032 | .018 | .031 | .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:** 2026-07-30

**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:** 7.500m [K=1.0000]  
**Remarks:**

### UGR(Unified Glare Rating) Table

|                                                                                  |               |                  |     |     |     |                   |                |     |                     |     |     |
|----------------------------------------------------------------------------------|---------------|------------------|-----|-----|-----|-------------------|----------------|-----|---------------------|-----|-----|
| Test:U:220.24V I:0.0846A P:8.4043W PF:0.4511 Freq:50.00Hz Lamp Flux:693.661x1 lm |               |                  |     |     |     |                   |                |     |                     |     |     |
| NAME: 6809                                                                       |               |                  |     |     |     | TYPE:8W-4000K     |                |     | WEIGHT:             |     |     |
| SPEC.:                                                                           |               |                  |     |     |     | DIM.: 100*55*85mm |                |     | SERIAL No.:01       |     |     |
| MFR.: NORDECOR                                                                   |               |                  |     |     |     | SUR.:             |                |     | Shielding Angle:35° |     |     |
| 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                                                                    | 2H            | 2.0              | 2.9 | 2.2 | 3.0 | 3.2               | 5.2            | 6.1 | 5.5                 | 6.2 | 6.4 |
|                                                                                  | 3H            | 2.5              | 3.3 | 2.8 | 3.5 | 3.7               | 5.7            | 6.5 | 5.9                 | 6.7 | 6.9 |
|                                                                                  | 4H            | 2.8              | 3.5 | 3.0 | 3.7 | 3.9               | 5.9            | 6.7 | 6.2                 | 6.9 | 7.1 |
|                                                                                  | 6H            | 2.9              | 3.6 | 3.2 | 3.9 | 4.1               | 5.9            | 6.6 | 6.2                 | 6.9 | 7.1 |
|                                                                                  | 8H            | 3.1              | 3.7 | 3.4 | 4.0 | 4.2               | 5.9            | 6.6 | 6.2                 | 6.8 | 7.1 |
|                                                                                  | 12H           | 3.3              | 3.9 | 3.6 | 4.2 | 4.4               | 5.9            | 6.5 | 6.2                 | 6.8 | 7.0 |
| 4H                                                                               | 2H            | 2.1              | 2.9 | 2.4 | 3.1 | 3.3               | 5.1            | 5.9 | 5.4                 | 6.1 | 6.3 |
|                                                                                  | 3H            | 2.8              | 3.4 | 3.1 | 3.7 | 4.0               | 5.7            | 6.4 | 6.0                 | 6.6 | 6.9 |
|                                                                                  | 4H            | 3.2              | 3.7 | 3.5 | 4.0 | 4.3               | 6.1            | 6.7 | 6.4                 | 7.0 | 7.3 |
|                                                                                  | 6H            | 3.4              | 3.9 | 3.8 | 4.2 | 4.6               | 6.1            | 6.6 | 6.5                 | 7.0 | 7.3 |
|                                                                                  | 8H            | 3.6              | 4.1 | 4.0 | 4.4 | 4.8               | 6.1            | 6.5 | 6.4                 | 6.9 | 7.3 |
|                                                                                  | 12H           | 3.9              | 4.3 | 4.3 | 4.7 | 5.1               | 6.0            | 6.4 | 6.4                 | 6.8 | 7.2 |
| 8H                                                                               | 4H            | 3.3              | 3.8 | 3.7 | 4.2 | 4.5               | 6.1            | 6.6 | 6.5                 | 6.9 | 7.3 |
|                                                                                  | 6H            | 3.7              | 4.1 | 4.1 | 4.5 | 4.9               | 6.1            | 6.5 | 6.5                 | 6.9 | 7.3 |
|                                                                                  | 8H            | 4.0              | 4.3 | 4.4 | 4.8 | 5.2               | 6.1            | 6.4 | 6.5                 | 6.8 | 7.3 |
|                                                                                  | 12H           | 4.4              | 4.7 | 4.9 | 5.2 | 5.6               | 6.0            | 6.3 | 6.5                 | 6.7 | 7.2 |
| 12H                                                                              | 4H            | 3.3              | 3.7 | 3.7 | 4.1 | 4.5               | 6.0            | 6.5 | 6.5                 | 6.9 | 7.2 |
|                                                                                  | 6H            | 3.7              | 4.0 | 4.1 | 4.5 | 4.9               | 6.1            | 6.4 | 6.5                 | 6.9 | 7.3 |
|                                                                                  | 8H            | 4.0              | 4.3 | 4.4 | 4.7 | 5.2               | 6.0            | 6.3 | 6.5                 | 6.8 | 7.2 |
| Variations with the observer position at spacings:                               |               |                  |     |     |     |                   |                |     |                     |     |     |
| S = 1.0H                                                                         | + 1.0 / - 1.2 |                  |     |     |     | + 3.1 / - 2.6     |                |     |                     |     |     |
| 1.5H                                                                             | + 2.0 / - 1.0 |                  |     |     |     | + 5.4 / - 2.9     |                |     |                     |     |     |
| 2.0H                                                                             | + 1.3 / - 0.5 |                  |     |     |     | + 1.4 / - 1.3     |                |     |                     |     |     |

CIE Pub.117, 693.7 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.3)  
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:2026-07-30

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:7.500m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

|                                                                                  |                   |                     |
|----------------------------------------------------------------------------------|-------------------|---------------------|
| Test:U:220.24V I:0.0846A P:8.4043W PF:0.4511 Freq:50.00Hz Lamp Flux:693.661x1 lm |                   |                     |
| NAME: 6809                                                                       | TYPE:8W-4000K     | WEIGHT:             |
| SPEC.:                                                                           | DIM.: 100*55*85mm | SERIAL No.:01       |
| MFR.: NORDECOR                                                                   | SUR.:             | Shielding Angle:35° |

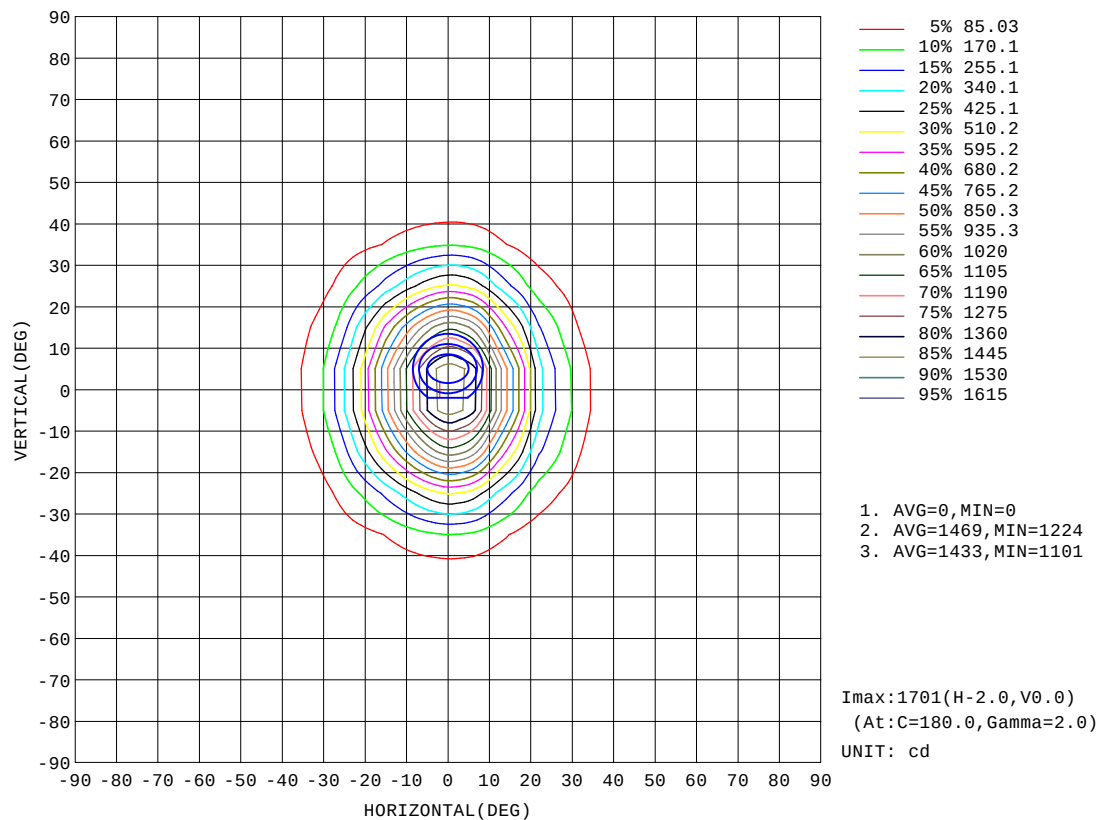
| REFLECTANCE                      |                                                     |     |           |     |     |     |     |               |     |        |
|----------------------------------|-----------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8                                                 | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 0.5 | 0.5           | 0.5 | 0      |
| Walls                            | 0.7                                                 | 0.5 | 0.3       | 0.7 | 0.5 | 0.3 | 0.7 | 0.5           | 0.3 | 0      |
| Working plane                    | 0.2                                                 | 0.2 | 0.2       | 0.2 | 0.2 | 0.2 | 0.2 | 0.2           | 0.2 | 0      |
| ROOM INDEX                       | UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| k = 0.60                         | 88                                                  | 81  | 78        | 87  | 81  | 77  | 86  | 81            | 77  | 74     |
| 0.80                             | 95                                                  | 89  | 85        | 94  | 89  | 85  | 93  | 88            | 85  | 81     |
| 1.00                             | 99                                                  | 94  | 90        | 98  | 93  | 90  | 97  | 93            | 89  | 85     |
| 1.25                             | 103                                                 | 98  | 95        | 102 | 97  | 94  | 100 | 96            | 93  | 89     |
| 1.50                             | 106                                                 | 101 | 98        | 105 | 100 | 97  | 102 | 99            | 96  | 92     |
| 2.00                             | 108                                                 | 104 | 101       | 107 | 103 | 100 | 104 | 101           | 99  | 94     |
| 2.50                             | 110                                                 | 106 | 103       | 109 | 105 | 102 | 105 | 103           | 101 | 95     |
| 3.00                             | 112                                                 | 108 | 106       | 110 | 107 | 104 | 107 | 104           | 102 | 96     |
| 4.00                             | 114                                                 | 111 | 109       | 112 | 109 | 107 | 108 | 106           | 105 | 98     |
| 5.00                             | 115                                                 | 113 | 111       | 113 | 111 | 109 | 109 | 108           | 106 | 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:2026-07-30**

**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:7.500m [K=1.0000]**  
**Remarks:**

## ISOCANDELA DIAGRAM

|                                                                                  |                   |                     |
|----------------------------------------------------------------------------------|-------------------|---------------------|
| Test:U:220.24V I:0.0846A P:8.4043W PF:0.4511 Freq:50.00Hz Lamp Flux:693.661x1 lm |                   |                     |
| NAME: 6809                                                                       | TYPE:8W-4000K     | WEIGHT:             |
| SPEC.:                                                                           | DIM.: 100*55*85mm | SERIAL No.:01       |
| MFR.: NORDECOR                                                                   | SUR.:             | Shielding Angle:35° |



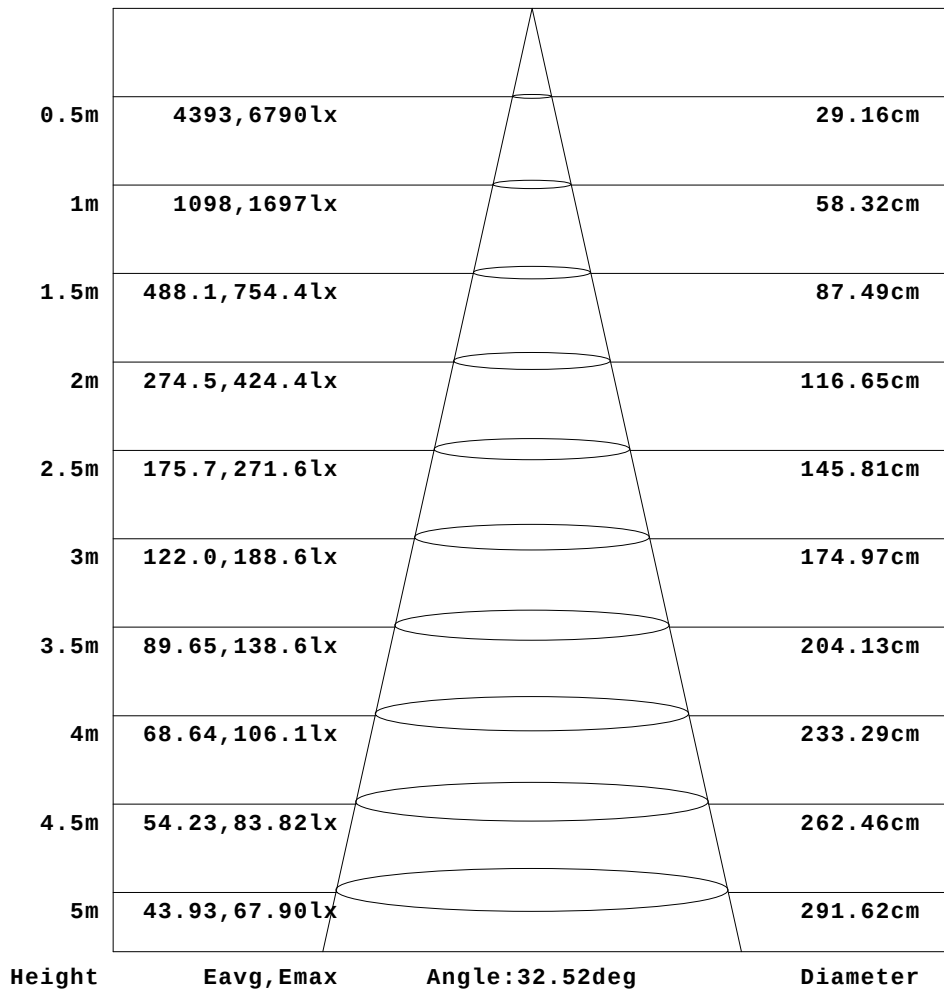
H<sub>(b)</sub> Range:-90 - 90DEG  
H<sub>(b)</sub> Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2026-07-30

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:7.500m [K=1.0000]  
Remarks:

## AAI Figure

|                                                                                  |                   |                     |
|----------------------------------------------------------------------------------|-------------------|---------------------|
| Test:U:220.24V I:0.0846A P:8.4043W PF:0.4511 Freq:50.00Hz Lamp Flux:693.661x1 lm |                   |                     |
| NAME: 6809                                                                       | TYPE:8W-4000K     | WEIGHT:             |
| SPEC.:                                                                           | DIM.: 100*55*85mm | SERIAL No.:01       |
| MFR.: NORDECOR                                                                   | SUR.:             | Shielding Angle:35° |

Flux out:302.7 lm



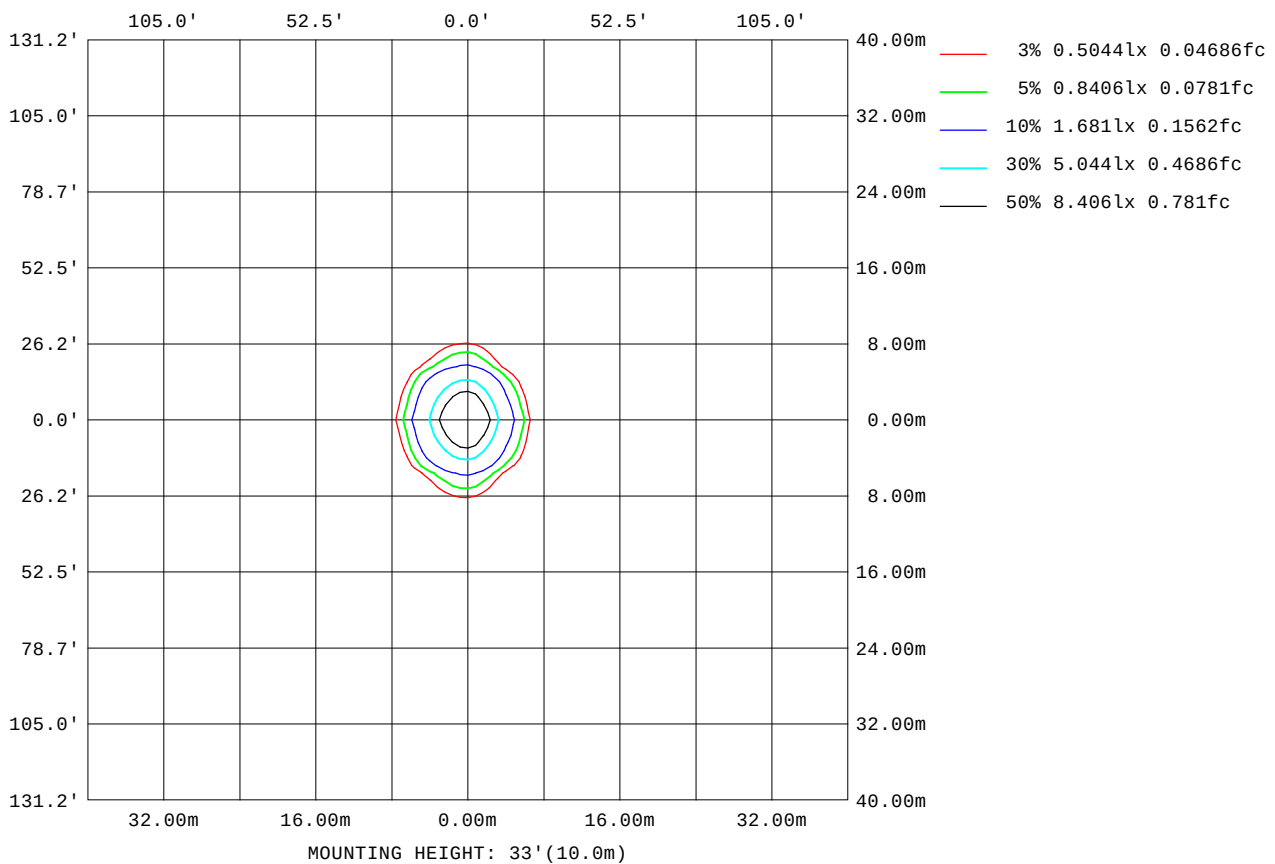
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H<sub>(b)</sub> Range: -90 - 90DEG  
H<sub>(b)</sub> Interval: 1.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2026-07-30

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: 7.500m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

|                                                                                  |                   |                     |
|----------------------------------------------------------------------------------|-------------------|---------------------|
| Test:U:220.24V I:0.0846A P:8.4043W PF:0.4511 Freq:50.00Hz Lamp Flux:693.661x1 lm |                   |                     |
| NAME: 6809                                                                       | TYPE:8W-4000K     | WEIGHT:             |
| SPEC.:                                                                           | DIM.: 100*55*85mm | SERIAL No.:01       |
| MFR.: NORDECOR                                                                   | SUR.:             | Shielding Angle:35° |



H<sub>(b)</sub> Range: -90 - 90DEG  
H<sub>(b)</sub> Interval: 1.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2026-07-30

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: 7.500m [K=1.0000]  
Remarks:

## LED Avg.L Report

|                                                                                  |                   |                     |
|----------------------------------------------------------------------------------|-------------------|---------------------|
| Test:U:220.24V I:0.0846A P:8.4043W PF:0.4511 Freq:50.00Hz Lamp Flux:693.661x1 lm |                   |                     |
| NAME: 6809                                                                       | TYPE:8W-4000K     | WEIGHT:             |
| SPEC.:                                                                           | DIM.: 100*55*85mm | SERIAL No.:01       |
| MFR.: NORDECOR                                                                   | SUR.:             | Shielding Angle:35° |

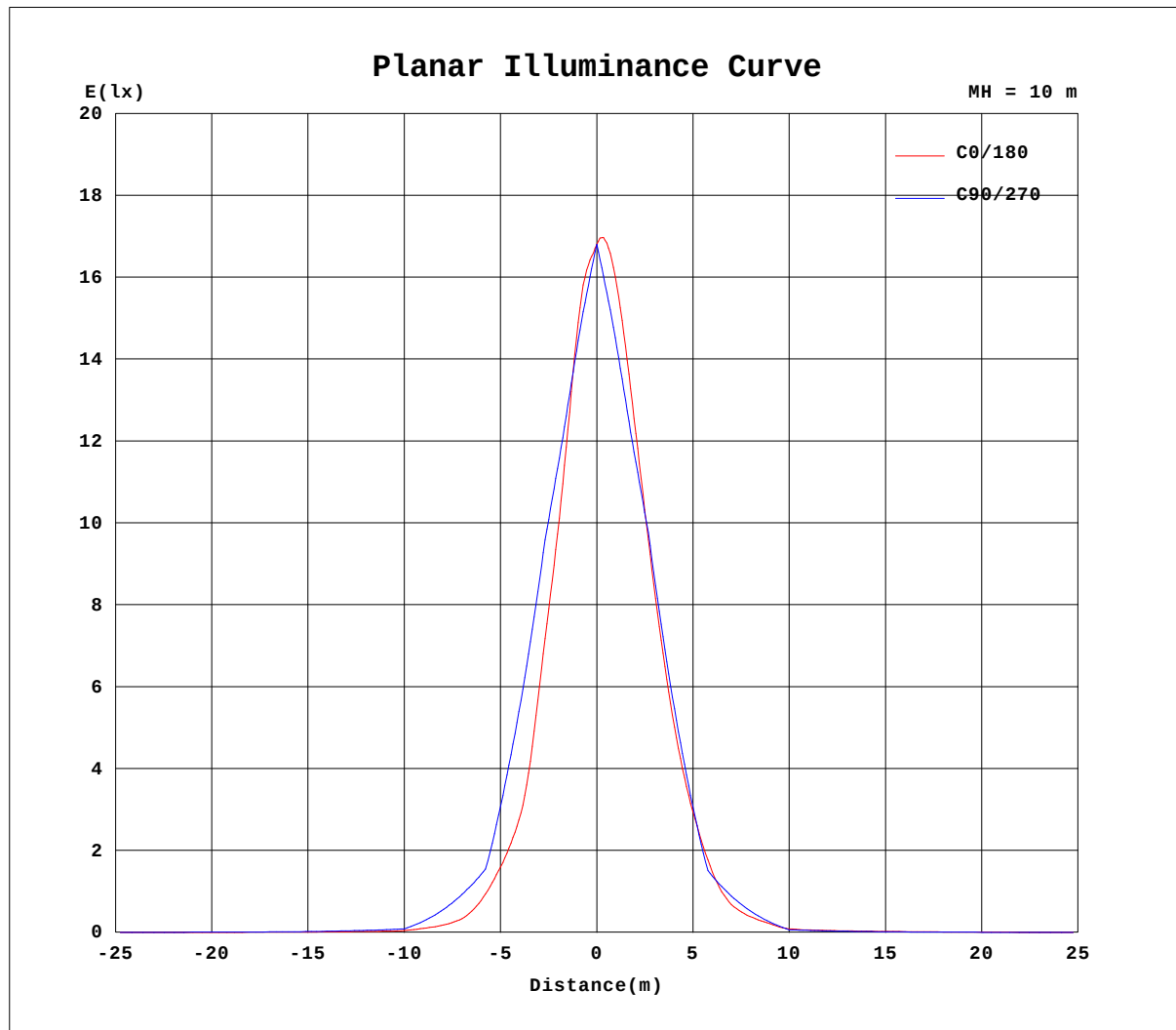
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 190   |
| L_0~180(75)av  | 154   |
| L_0~180(85)av  | 250   |
| L_90~270(65)av | 207   |
| L_90~270(75)av | 204   |
| L_90~270(85)av | 0     |
| L_45(65)av     | 161   |
| L_45(75)av     | 147   |
| L_45(85)av     | 0     |

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:2026-07-30

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:7.500m [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: 2026-07-30

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: 7.500m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                  |                   |                     |
|----------------------------------------------------------------------------------|-------------------|---------------------|
| Test:U:220.24V I:0.0846A P:8.4043W PF:0.4511 Freq:50.00Hz Lamp Flux:693.661x1 lm |                   |                     |
| NAME: 6809                                                                       | TYPE:8W-4000K     | WEIGHT:             |
| SPEC.:                                                                           | DIM.: 100*55*85mm | SERIAL No.:01       |
| MFR.: NORDECOR                                                                   | SUR.:             | Shielding Angle:35° |

Table- -1

UNIT: cd

[illegible]

H(b) Range: -90 - 90DEG  
H(b) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2026-07-30

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:7.500m [K=1.0000]  
Remarks:





