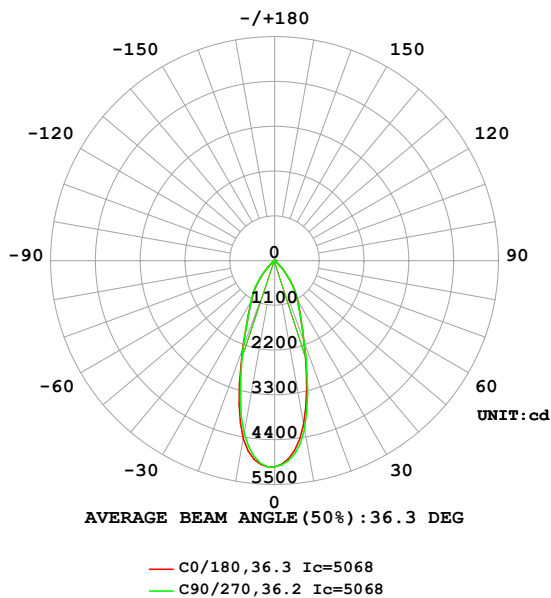


## LUMINAIRE PHOTOMETRIC TEST REPORT

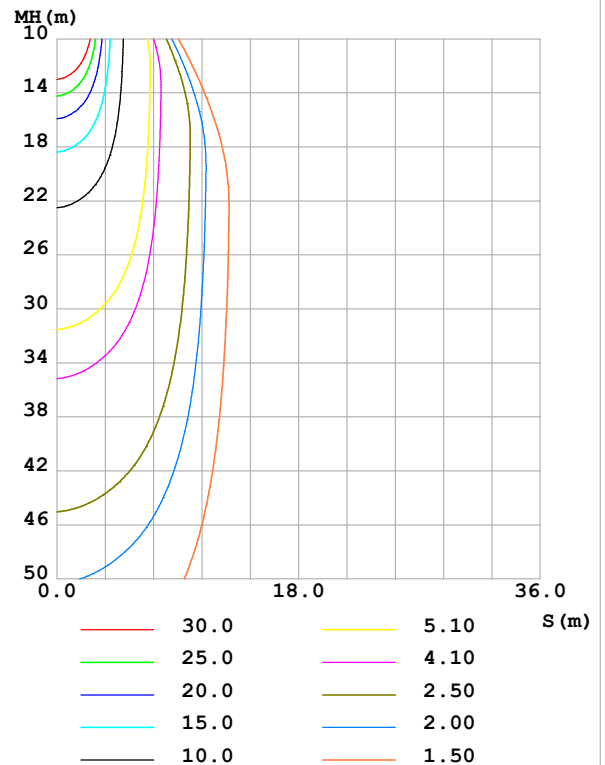
|                                                             |                        |                          |
|-------------------------------------------------------------|------------------------|--------------------------|
| Test:U:28.000V I:0.6000A P:16.800W PF:100.0000 Freq:49.96Hz |                        |                          |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3455.4x1 lm       |                        |                          |
| LumCAT: 4-2804-A                                            | Test NO: 20260717-C005 | Report NO: 20260717-B005 |
| LED HOLDER: 92.70.467.00                                    | DIM.:                  | Lamp No.: 1              |
| LampCAT:                                                    | MFR.: NATA             |                          |

| DATA OF LAMP     |                | PHOTOMETRIC DATA Eff: 172.24 lm/W |        |                   |          |
|------------------|----------------|-----------------------------------|--------|-------------------|----------|
| MODEL            | BRIDGELUX 2835 | I <sub>max</sub> (cd)             | 5152   | S/MH(C0/180)      | 0.62     |
| NOMINAL POWER(W) | 10             | LOR(%)                            | 83.7   | S/MH(C90/270)     | 0.60     |
| RATED VOLTAGE(V) | 230            | TOTAL FLUX(lm)                    | 2893.6 | η UP,DN(C0-180)   | 0.0,38.3 |
| NOMINAL FLUX(lm) | 3455.4         | CIE CLASS                         | DIRECT | η UP,DN(C180-360) | 0.0,45.4 |
| LAMPS INSIDE     | 1              | η up (%)                          | 0.0    | CIBSE SHR NOM     | 0.50     |
| TEST VOLTAGE(V)  | 34.9           | η down (%)                        | 83.7   | CIBSE SHR MAX     | 0.60     |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature: 25.0°C  
Operators: ZJW  
Test Date: 2026-07-17

γ Range: 0 - 90DEG  
γ Interval: 2.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.491  
Humidity: 60.0%  
Test Distance: 7.710m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

| γ   | C0                    | C45   | C90   | C135  | C180  | C225  | C270  | C315  | γ       | Φ zone  | Φ total | %lum, lamp |
|-----|-----------------------|-------|-------|-------|-------|-------|-------|-------|---------|---------|---------|------------|
| 10  | 4099                  | 4108  | 4213  | 3631  | 4444  | 4415  | 4310  | 4788  | 0- 10   | 446.1   | 446.1   | 15.4,12.9  |
| 20  | 2108                  | 2084  | 2136  | 1720  | 2299  | 2314  | 2254  | 2915  | 10- 20  | 884.5   | 1331    | 46,38.5    |
| 30  | 1140                  | 1125  | 1128  | 935.5 | 1155  | 1183  | 1170  | 1424  | 20- 30  | 729.6   | 2060    | 71.2,59.6  |
| 40  | 488.8                 | 476.4 | 485.6 | 307.4 | 536.9 | 555.2 | 542.5 | 765.6 | 30- 40  | 520.2   | 2580    | 89.2,74.7  |
| 50  | 65.06                 | 62.36 | 66.19 | 38.22 | 84.03 | 86.78 | 81.84 | 187.0 | 40- 50  | 203.8   | 2784    | 96.2,80.6  |
| 60  | 25.61                 | 25.61 | 27.78 | 30.60 | 29.85 | 29.44 | 26.29 | 22.17 | 50- 60  | 35.76   | 2820    | 97.5,81.6  |
| 70  | 23.80                 | 25.95 | 27.05 | 28.83 | 29.25 | 28.30 | 22.46 | 21.36 | 60- 70  | 26.13   | 2846    | 98.4,82.4  |
| 80  | 21.48                 | 24.58 | 24.80 | 24.88 | 27.33 | 24.94 | 16.61 | 16.92 | 70- 80  | 26.12   | 2872    | 99.3,83.1  |
| 90  | 16.17                 | 17.25 | 16.53 | 17.50 | 20.22 | 17.78 | 14.01 | 10.29 | 80- 90  | 21.43   | 2894    | 100,83.7   |
| 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): 2738.5 lm

%lum = 94.6%

%lamp = 79.3%

Conical surface Flux(130deg): 2835.5 lm

%lum = 98.0%

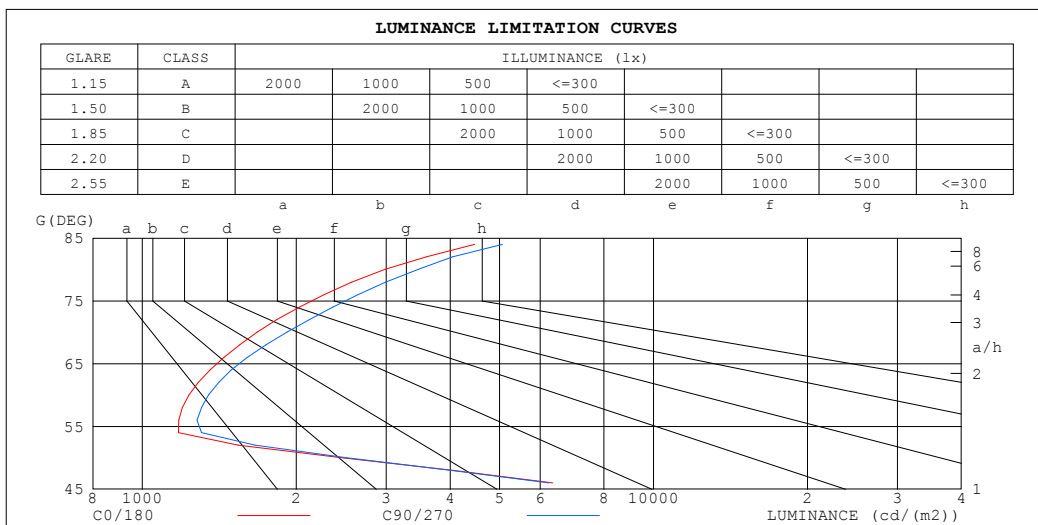
%lamp = 82.1%

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.0℃  
Operators:ZJW  
Test Date:2026-07-17

γ Range: 0 - 90DEG  
γ Interval: 2.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.491  
Humidity:60.0%  
Test Distance:7.710m [K=1.0000]  
Remarks:

## LUMINANCE LIMITATION CURVES

|                                                             |                        |                          |
|-------------------------------------------------------------|------------------------|--------------------------|
| Test:U:28.000V I:0.6000A P:16.800W PF:100.0000 Freq:49.96Hz |                        |                          |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3455.4x1 lm       |                        |                          |
| LumCAT: 4-2804-A                                            | Test NO: 20260717-C005 | Report NO: 20260717-B005 |
| LED HOLDER: 92.70.467.00                                    | DIM.:                  | Lamp No.: 1              |
| LampCAT:                                                    | MFR.: NATA             |                          |



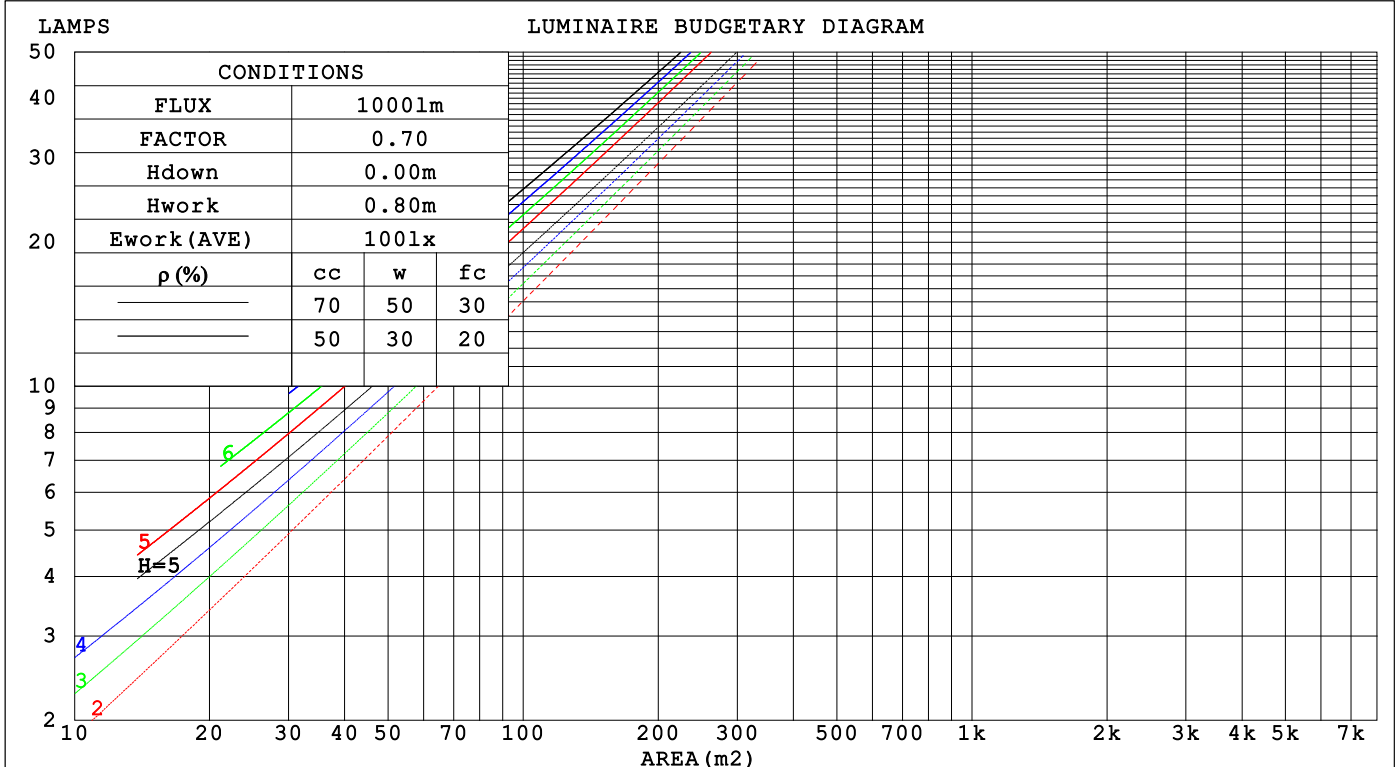
C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.0℃  
 Operators:ZJW  
 Test Date:2026-07-17

γ Range: 0 - 90DEG  
 γ Interval: 2.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.491  
 Humidity:60.0%  
 Test Distance:7.710m [K=1.0000]  
 Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                             |  |  |                                 |  |  |                          |  |  |
|-------------------------------------------------------------|--|--|---------------------------------|--|--|--------------------------|--|--|
| Test:U:28.000V I:0.6000A P:16.800W PF:100.0000 Freq:49.96Hz |  |  | UTHDi:0.00% ITHDi:0.00% KDisp:0 |  |  | Lamp Flux:3455.4x1 lm    |  |  |
| LumCAT: 4-2804-A                                            |  |  | Test NO: 20260717-C005          |  |  | Report NO: 20260717-B005 |  |  |
| LED HOLDER: 92.70.467.00                                    |  |  | DIM.:                           |  |  | Lamp No.: 1              |  |  |
| LampCAT:                                                    |  |  | MFR.: NATA                      |  |  |                          |  |  |

| pcc             | 80%                             |     |     | 70% |     |     | 50% |     |     | 30% |     |     | 10% |     |     | 0   |
|-----------------|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| p <sub>w</sub>  | 50%                             | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0   |
| p <sub>fc</sub> | 20%                             |     |     | 20% |     |     | 20% |     |     | 20% |     |     | 20% |     |     | 0   |
| RCR             | RCR:Room Cavity Ratio           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                 | Coefficients of Utilization(CU) |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0.0             | .00                             | .00 | .00 | .97 | .97 | .97 | .93 | .93 | .93 | .89 | .89 | .89 | .85 | .85 | .85 | .84 |
| 1.0             | .92                             | .90 | .88 | .91 | .89 | .87 | .87 | .86 | .84 | .84 | .83 | .82 | .81 | .80 | .79 | .78 |
| 2.0             | .86                             | .83 | .80 | .85 | .81 | .79 | .82 | .79 | .77 | .79 | .77 | .75 | .77 | .75 | .74 | .72 |
| 3.0             | .80                             | .76 | .73 | .79 | .75 | .72 | .77 | .74 | .71 | .75 | .72 | .70 | .73 | .71 | .69 | .68 |
| 4.0             | .75                             | .71 | .67 | .74 | .70 | .67 | .73 | .69 | .66 | .71 | .68 | .65 | .69 | .67 | .65 | .63 |
| 5.0             | .71                             | .66 | .62 | .70 | .66 | .62 | .69 | .65 | .62 | .67 | .64 | .61 | .66 | .63 | .61 | .59 |
| 6.0             | .67                             | .62 | .58 | .66 | .62 | .58 | .65 | .61 | .58 | .64 | .60 | .57 | .63 | .59 | .57 | .56 |
| 7.0             | .63                             | .58 | .55 | .63 | .58 | .55 | .61 | .57 | .54 | .60 | .57 | .54 | .60 | .56 | .54 | .53 |
| 8.0             | .60                             | .55 | .52 | .59 | .55 | .51 | .58 | .54 | .51 | .58 | .54 | .51 | .57 | .53 | .51 | .50 |
| 9.0             | .57                             | .52 | .49 | .56 | .52 | .49 | .56 | .51 | .49 | .55 | .51 | .48 | .54 | .51 | .48 | .47 |
| 10.0            | .54                             | .49 | .46 | .54 | .49 | .46 | .53 | .49 | .46 | .52 | .49 | .46 | .52 | .48 | .46 | .45 |



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.0℃  
 Operators:ZJW  
 Test Date:2026-07-17

γ Range: 0 - 90DEG  
 γ Interval: 2.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.491  
 Humidity:60.0%  
 Test Distance:7.710m [K=1.0000]  
 Remarks:

## WEC AND CCEC

|                                                             |  |  |                                 |  |  |                          |  |  |
|-------------------------------------------------------------|--|--|---------------------------------|--|--|--------------------------|--|--|
| Test:U:28.000V I:0.6000A P:16.800W PF:100.0000 Freq:49.96Hz |  |  | UTHDi:0.00% ITHDi:0.00% KDisp:0 |  |  | Lamp Flux:3455.4x1 lm    |  |  |
| LumCAT: 4-2804-A                                            |  |  | Test NO: 20260717-C005          |  |  | Report NO: 20260717-B005 |  |  |
| LED HOLDER: 92.70.467.00                                    |  |  | DIM.:                           |  |  | Lamp No.: 1              |  |  |
| LampCAT:                                                    |  |  | MFR.: NATA                      |  |  |                          |  |  |

| pcc  | 80%                   |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0                               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| pw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0                               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| pfc  | 20%                   |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0                               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      |      |      |      |      |      |      |      |      |      | Wall Exitance Coefficients(WEC) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.0  |                       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1.0  | .156                  | .088 | .028 | .150 | .086 | .027 | .139 | .080 | .026 | .130 | .075 | .024 | .121 | .070 | .023 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2.0  | .146                  | .080 | .024 | .141 | .078 | .024 | .132 | .073 | .023 | .124 | .069 | .022 | .116 | .066 | .021 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3.0  | .137                  | .073 | .022 | .133 | .071 | .021 | .125 | .068 | .021 | .118 | .065 | .020 | .112 | .062 | .019 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4.0  | .129                  | .067 | .020 | .126 | .066 | .019 | .119 | .063 | .019 | .113 | .061 | .018 | .108 | .058 | .018 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5.0  | .122                  | .062 | .018 | .119 | .061 | .018 | .114 | .059 | .017 | .108 | .057 | .017 | .103 | .055 | .017 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6.0  | .116                  | .058 | .017 | .114 | .057 | .017 | .109 | .056 | .016 | .104 | .054 | .016 | .100 | .052 | .016 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7.0  | .111                  | .055 | .015 | .108 | .054 | .015 | .104 | .052 | .015 | .100 | .051 | .015 | .096 | .050 | .015 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8.0  | .105                  | .052 | .014 | .103 | .051 | .014 | .099 | .050 | .014 | .096 | .049 | .014 | .092 | .047 | .014 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9.0  | .101                  | .049 | .014 | .099 | .048 | .014 | .095 | .047 | .013 | .092 | .046 | .013 | .089 | .045 | .013 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10.0 | .096                  | .046 | .013 | .095 | .046 | .013 | .092 | .045 | .013 | .089 | .044 | .013 | .086 | .043 | .012 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

| pcc  | 80%                   |      |      | 70%  |      |      | 50%                                         |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|-----------------------|------|------|------|------|------|---------------------------------------------|------|------|------|------|------|------|------|------|---|
| pw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                                         | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| pfc  | 20%                   |      |      | 20%  |      |      | 20%                                         |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Ceiling Cavity Exitance Coefficients (CCEC) |      |      |      |      |      |      |      |      |   |
| 0.0  | .160                  | .160 | .160 | .136 | .136 | .136 | .093                                        | .093 | .093 | .053 | .053 | .053 | .017 | .017 | .017 |   |
| 1.0  | .144                  | .132 | .121 | .123 | .113 | .104 | .084                                        | .078 | .072 | .048 | .045 | .042 | .016 | .014 | .014 |   |
| 2.0  | .131                  | .111 | .094 | .112 | .095 | .081 | .077                                        | .066 | .057 | .044 | .038 | .033 | .014 | .012 | .011 |   |
| 3.0  | .121                  | .095 | .075 | .103 | .082 | .065 | .071                                        | .057 | .045 | .041 | .033 | .027 | .013 | .011 | .009 |   |
| 4.0  | .112                  | .083 | .061 | .096 | .072 | .053 | .066                                        | .050 | .037 | .038 | .029 | .022 | .012 | .010 | .007 |   |
| 5.0  | .104                  | .073 | .050 | .090 | .063 | .043 | .062                                        | .044 | .031 | .036 | .026 | .018 | .012 | .008 | .006 |   |
| 6.0  | .098                  | .065 | .042 | .084 | .056 | .036 | .058                                        | .040 | .026 | .034 | .023 | .015 | .011 | .008 | .005 |   |
| 7.0  | .092                  | .059 | .035 | .079 | .051 | .031 | .055                                        | .036 | .022 | .032 | .021 | .013 | .010 | .007 | .004 |   |
| 8.0  | .087                  | .054 | .030 | .075 | .046 | .027 | .052                                        | .033 | .019 | .030 | .019 | .011 | .010 | .006 | .004 |   |
| 9.0  | .083                  | .049 | .026 | .071 | .043 | .023 | .050                                        | .030 | .016 | .029 | .018 | .010 | .009 | .006 | .003 |   |
| 10.0 | .079                  | .045 | .023 | .068 | .039 | .020 | .047                                        | .028 | .014 | .028 | .016 | .009 | .009 | .005 | .003 |   |

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.0℃  
Operators:ZJW  
Test Date:2026-07-17

γ Range: 0 - 90DEG  
γ Interval: 2.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.491  
Humidity:60.0%  
Test Distance:7.710m [K=1.0000]  
Remarks:

**UGR(Unified Glare Rating) Table**

|                                                                                                                      |                  |      |      |      |                        |                |      |                          |      |      |
|----------------------------------------------------------------------------------------------------------------------|------------------|------|------|------|------------------------|----------------|------|--------------------------|------|------|
| Test:U:28.000V I:0.6000A P:16.800W PF:100.0000 Freq:49.96Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3455.4x1 lm |                  |      |      |      |                        |                |      |                          |      |      |
| LumCAT: 4-2804-A                                                                                                     |                  |      |      |      | Test NO: 20260717-C005 |                |      | Report NO: 20260717-B005 |      |      |
| LED HOLDER: 92.70.467.00                                                                                             |                  |      |      |      | DIM.:                  |                |      | Lamp No.: 1              |      |      |
| LampCAT:                                                                                                             |                  |      |      |      | MFR.: NATA             |                |      |                          |      |      |
| 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                                                                                                        | 19.3             | 20.2 | 19.5 | 20.4 | 20.6                   | 19.3           | 20.3 | 19.5                     | 20.4 | 20.6 |
| 3H                                                                                                                   | 19.3             | 20.2 | 19.6 | 20.4 | 20.6                   | 19.4           | 20.3 | 19.6                     | 20.5 | 20.7 |
| 4H                                                                                                                   | 19.5             | 20.3 | 19.8 | 20.5 | 20.7                   | 19.6           | 20.4 | 19.9                     | 20.6 | 20.8 |
| 6H                                                                                                                   | 19.8             | 20.5 | 20.1 | 20.8 | 21.0                   | 19.9           | 20.7 | 20.2                     | 21.0 | 21.2 |
| 8H                                                                                                                   | 20.0             | 20.7 | 20.3 | 21.0 | 21.2                   | 20.2           | 21.0 | 20.5                     | 21.2 | 21.5 |
| 12H                                                                                                                  | 20.2             | 21.0 | 20.6 | 21.2 | 21.5                   | 20.6           | 21.3 | 20.9                     | 21.5 | 21.8 |
| 4H 2H                                                                                                                | 19.1             | 19.9 | 19.4 | 20.2 | 20.4                   | 19.1           | 19.9 | 19.4                     | 20.2 | 20.4 |
| 3H                                                                                                                   | 19.3             | 20.0 | 19.6 | 20.3 | 20.5                   | 19.3           | 20.0 | 19.6                     | 20.3 | 20.6 |
| 4H                                                                                                                   | 19.5             | 20.2 | 19.9 | 20.5 | 20.8                   | 19.7           | 20.3 | 20.0                     | 20.6 | 20.9 |
| 6H                                                                                                                   | 20.1             | 20.6 | 20.4 | 21.0 | 21.3                   | 20.3           | 20.9 | 20.7                     | 21.2 | 21.5 |
| 8H                                                                                                                   | 20.4             | 21.0 | 20.8 | 21.3 | 21.7                   | 20.7           | 21.3 | 21.1                     | 21.6 | 22.0 |
| 12H                                                                                                                  | 20.9             | 21.4 | 21.3 | 21.7 | 22.1                   | 21.3           | 21.7 | 21.7                     | 22.1 | 22.5 |
| 8H 4H                                                                                                                | 19.7             | 20.2 | 20.1 | 20.5 | 20.9                   | 19.8           | 20.3 | 20.2                     | 20.7 | 21.0 |
| 6H                                                                                                                   | 20.4             | 20.9 | 20.8 | 21.2 | 21.7                   | 20.6           | 21.1 | 21.1                     | 21.5 | 21.9 |
| 8H                                                                                                                   | 21.0             | 21.4 | 21.4 | 21.8 | 22.2                   | 21.3           | 21.6 | 21.7                     | 22.1 | 22.5 |
| 12H                                                                                                                  | 21.6             | 21.9 | 22.1 | 22.4 | 22.9                   | 22.0           | 22.3 | 22.5                     | 22.8 | 23.3 |
| 12H 4H                                                                                                               | 19.7             | 20.2 | 20.1 | 20.6 | 20.9                   | 19.8           | 20.3 | 20.2                     | 20.7 | 21.1 |
| 6H                                                                                                                   | 20.5             | 20.9 | 21.0 | 21.3 | 21.8                   | 20.8           | 21.1 | 21.2                     | 21.6 | 22.0 |
| 8H                                                                                                                   | 21.2             | 21.5 | 21.7 | 22.0 | 22.4                   | 21.5           | 21.8 | 21.9                     | 22.2 | 22.7 |
| Variations with the observer position at spacings(CIE Pub.117):                                                      |                  |      |      |      |                        |                |      |                          |      |      |
| S = 1.0H                                                                                                             | + 1.7 / - 2.1    |      |      |      |                        | + 1.6 / - 1.9  |      |                          |      |      |
| 1.5H                                                                                                                 | + 3.4 / - 2.1    |      |      |      |                        | + 3.3 / - 1.9  |      |                          |      |      |
| 2.0H                                                                                                                 | + 2.5 / - 0.6    |      |      |      |                        | + 2.2 / - 0.5  |      |                          |      |      |

CIE Pub.117, 3455 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 4.3$ )  
 Area: 0.0415 m2

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.0℃  
 Operators:ZJW  
 Test Date:2026-07-17

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 2.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.491  
 Humidity:60.0%  
 Test Distance:7.710m [K=1.0000]  
 Remarks:

## UTILIZATION FACTORS TABLE

|                                                             |                        |                          |
|-------------------------------------------------------------|------------------------|--------------------------|
| Test:U:28.000V I:0.6000A P:16.800W PF:100.0000 Freq:49.96Hz |                        |                          |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3455.4x1 lm       |                        |                          |
| LumCAT: 4-2804-A                                            | Test NO: 20260717-C005 | Report NO: 20260717-B005 |
| LED HOLDER: 92.70.467.00                                    | DIM.:                  | Lamp No.: 1              |
| LampCAT:                                                    | MFR.: NATA             |                          |

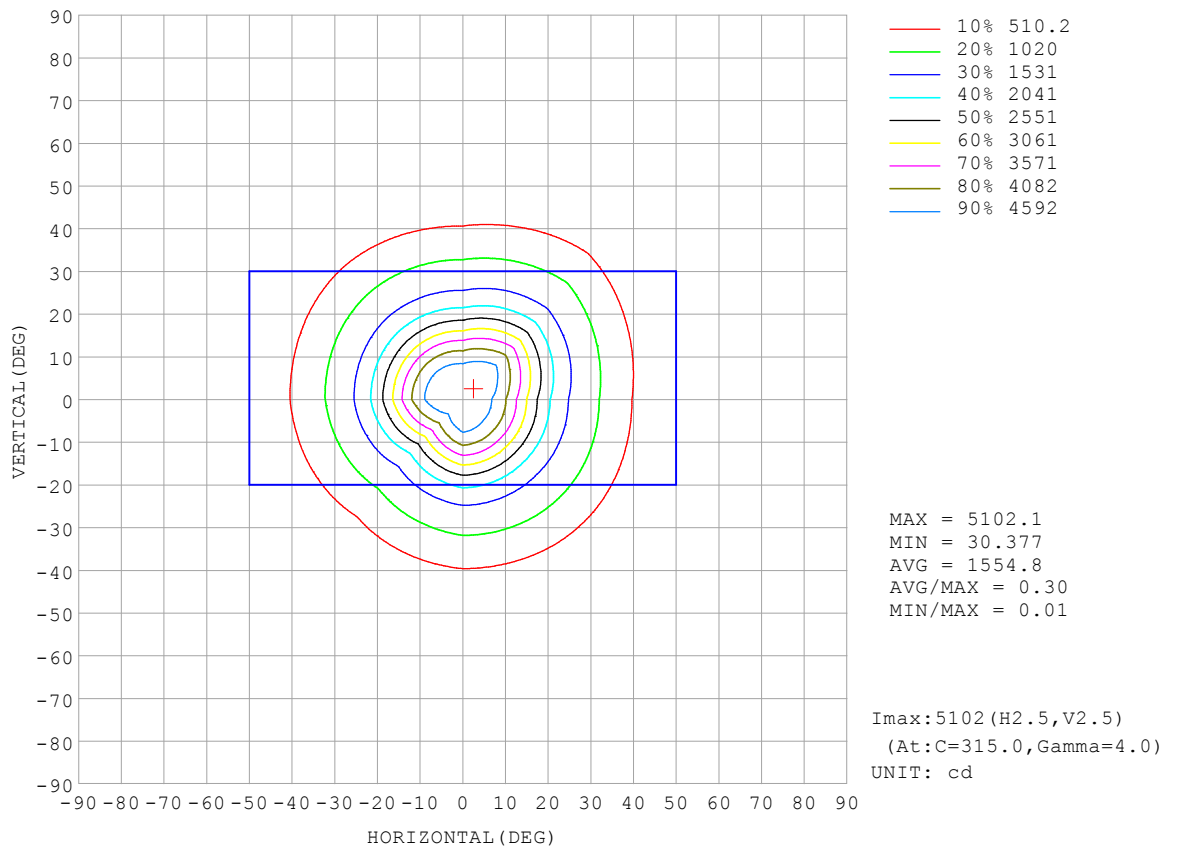
| REFLECTANCE                      |                                                      |     |           |     |     |     |     |               |     |        |
|----------------------------------|------------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 71                                                   | 65  | 62        | 71  | 65  | 62  | 70  | 65            | 62  | 59     |
| 0.80                             | 78                                                   | 72  | 69        | 77  | 72  | 69  | 76  | 71            | 68  | 65     |
| 1.00                             | 82                                                   | 76  | 73        | 81  | 76  | 73  | 79  | 76            | 73  | 69     |
| 1.25                             | 85                                                   | 80  | 77        | 84  | 80  | 77  | 82  | 79            | 76  | 73     |
| 1.50                             | 87                                                   | 83  | 80        | 86  | 83  | 80  | 84  | 81            | 79  | 75     |
| 2.00                             | 90                                                   | 86  | 83        | 89  | 85  | 83  | 86  | 84            | 81  | 77     |
| 2.50                             | 91                                                   | 88  | 85        | 90  | 87  | 84  | 87  | 85            | 83  | 78     |
| 3.00                             | 93                                                   | 90  | 87        | 91  | 89  | 86  | 88  | 86            | 84  | 79     |
| 4.00                             | 95                                                   | 92  | 90        | 93  | 91  | 89  | 90  | 88            | 87  | 80     |
| 5.00                             | 96                                                   | 94  | 92        | 94  | 92  | 91  | 91  | 89            | 88  | 81     |
| ROOM INDEX                       | UF (total)                                           |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                      |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0°C  
 Operators: ZJW  
 Test Date: 2026-07-17

γ Range: 0 - 90DEG  
 γ Interval: 2.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.491  
 Humidity: 60.0%  
 Test Distance: 7.710m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

|                                                                                                                      |                        |                          |
|----------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------|
| Test:U:28.000V I:0.6000A P:16.800W PF:100.0000 Freq:49.96Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3455.4x1 lm |                        |                          |
| LumCAT: 4-2804-A                                                                                                     | Test NO: 20260717-C005 | Report NO: 20260717-B005 |
| LED HOLDER: 92.70.467.00                                                                                             | DIM.:                  | Lamp No.: 1              |
| LampCAT:                                                                                                             | MFR.: NATA             |                          |

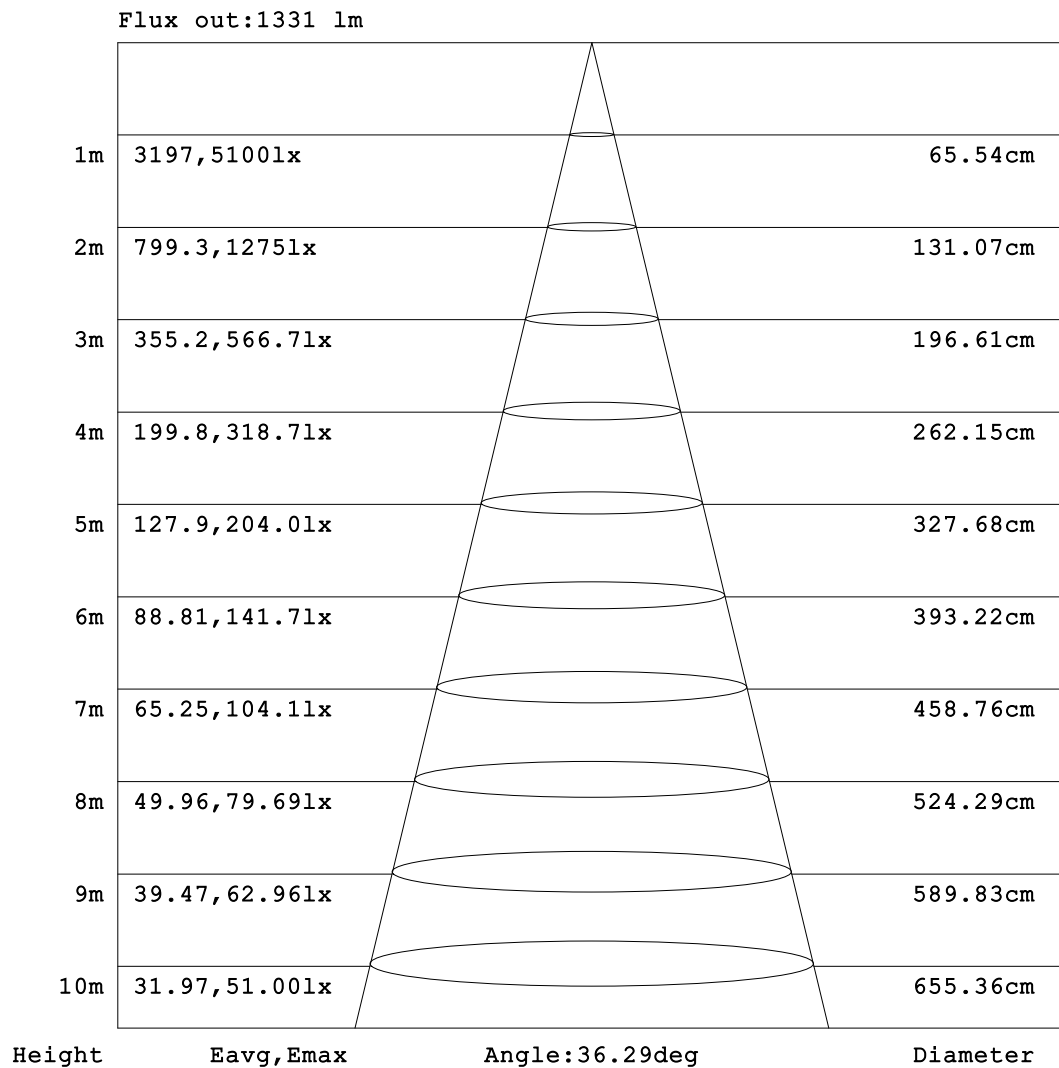


C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.0°C  
Operators:ZJW  
Test Date:2026-07-17

γ Range: 0 - 90DEG  
γ Interval: 2.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.491  
Humidity:60.0%  
Test Distance:7.710m [K=1.0000]  
Remarks:

## AAI Figure

|                                                                                                                      |                        |                          |
|----------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------|
| Test:U:28.000V I:0.6000A P:16.800W PF:100.0000 Freq:49.96Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3455.4x1 lm |                        |                          |
| LumCAT: 4-2804-A                                                                                                     | Test NO: 20260717-C005 | Report NO: 20260717-B005 |
| LED HOLDER: 92.70.467.00                                                                                             | DIM.:                  | Lamp No.: 1              |
| LampCAT:                                                                                                             | MFR.: NATA             |                          |



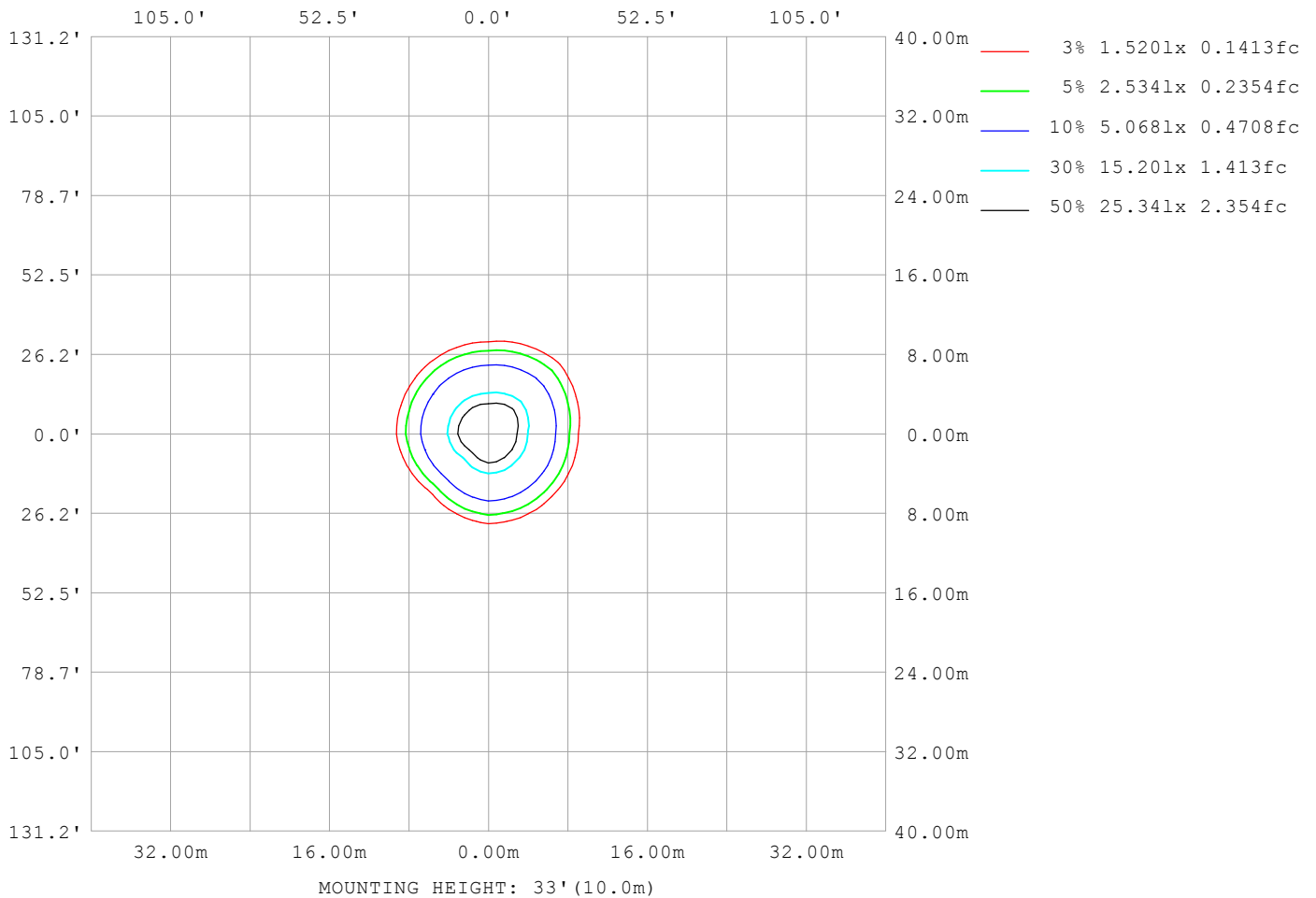
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.0℃  
Operators:ZJW  
Test Date:2026-07-17

γ Range: 0 - 90DEG  
γ Interval: 2.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.491  
Humidity:60.0%  
Test Distance:7.710m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

|                                                                                                                      |                        |                          |
|----------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------|
| Test:U:28.000V I:0.6000A P:16.800W PF:100.0000 Freq:49.96Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3455.4x1 lm |                        |                          |
| LumCAT: 4-2804-A                                                                                                     | Test NO: 20260717-C005 | Report NO: 20260717-B005 |
| LED HOLDER: 92.70.467.00                                                                                             | DIM.:                  | Lamp No.: 1              |
| LampCAT:                                                                                                             | MFR.: NATA             |                          |



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.0°C  
Operators:ZJW  
Test Date:2026-07-17

γ Range: 0 - 90DEG  
γ Interval: 2.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.491  
Humidity:60.0%  
Test Distance:7.710m [K=1.0000]  
Remarks:

## LED Avg.L Report

|                                                                                                                      |                        |                          |
|----------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------|
| Test:U:28.000V I:0.6000A P:16.800W PF:100.0000 Freq:49.96Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3455.4x1 lm |                        |                          |
| LumCAT: 4-2804-A                                                                                                     | Test NO: 20260717-C005 | Report NO: 20260717-B005 |
| LED HOLDER: 92.70.467.00                                                                                             | DIM.:                  | Lamp No.: 1              |
| LampCAT:                                                                                                             | MFR.: NATA             |                          |

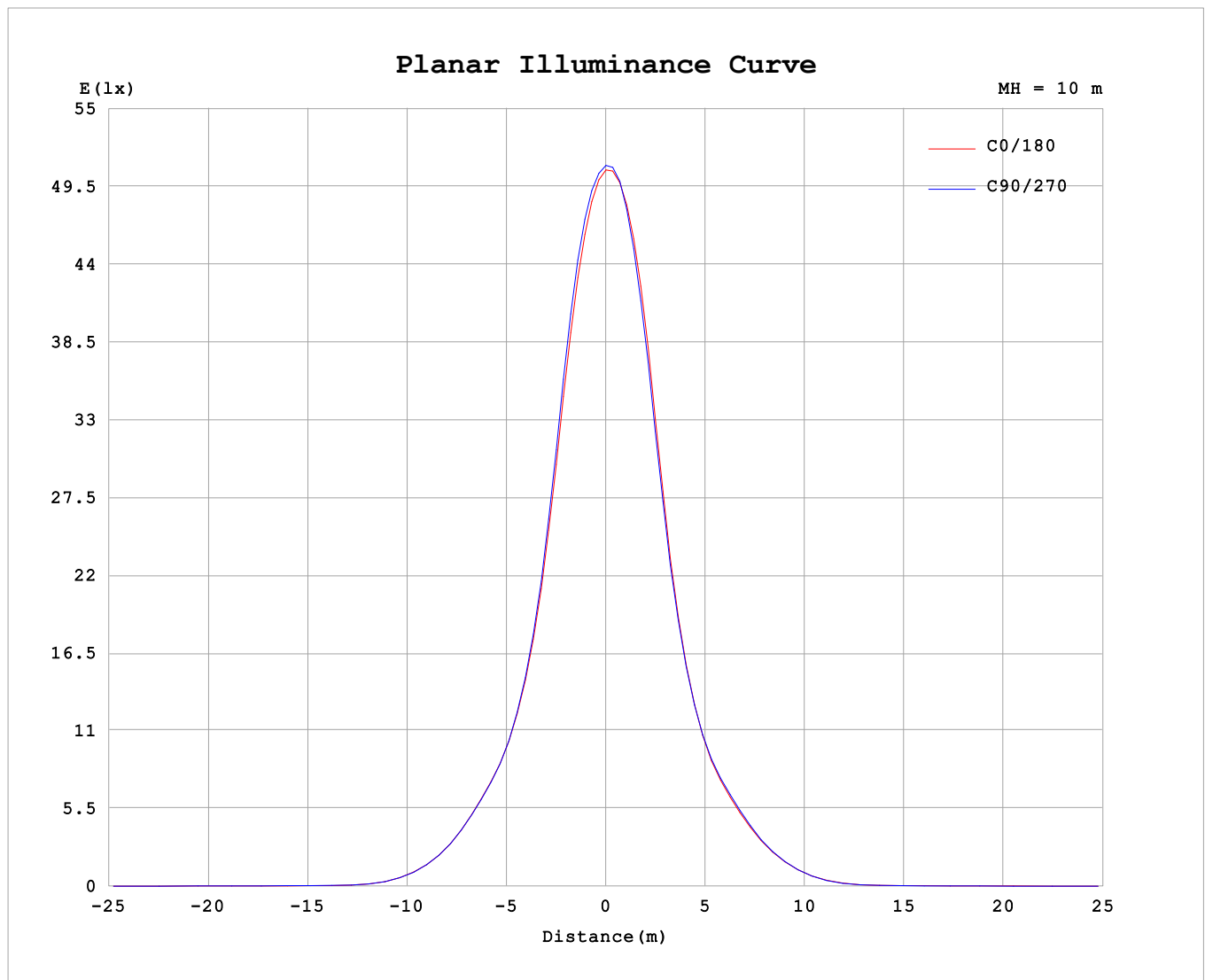
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 1536  |
| L_0~180 (75) av  | 2416  |
| L_0~180 (85) av  | 5877  |
| L_90~270 (65) av | 1404  |
| L_90~270 (75) av | 2230  |
| L_90~270 (85) av | 5224  |
| L_45 (65) av     | 1518  |
| L_45 (75) av     | 2319  |
| L_45 (85) av     | 5167  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.0℃  
Operators:ZJW  
Test Date:2026-07-17

γ Range: 0 - 90DEG  
γ Interval: 2.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.491  
Humidity:60.0%  
Test Distance:7.710m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0°C  
 Operators: ZJW  
 Test Date: 2026-07-17

γ Range: 0 - 90DEG  
 γ Interval: 2.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.491  
 Humidity: 60.0%  
 Test Distance: 7.710m [K=1.0000]  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                                                                         |                               |                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------|
| <b>Test:U:28.000V I:0.6000A P:16.800W PF:100.0000 Freq:49.96Hz</b><br><b>UTHDi:0.00% ITHDi:0.00% KDisp:0      Lamp Flux:3455.4x1 lm</b> |                               |                                 |
| <b>LumCAT: 4-2804-A</b>                                                                                                                 | <b>Test NO: 20260717-C005</b> | <b>Report NO: 20260717-B005</b> |
| <b>LED HOLDER: 92.70.467.00</b>                                                                                                         | <b>DIM. :</b>                 | <b>Lamp No.: 1</b>              |
| <b>LampCAT:</b>                                                                                                                         | <b>MFR.: NATA</b>             |                                 |

Table--1

UNIT: cd

[illegible]

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature: 25.0°C  
Operators: ZJW  
Test Date: 2026-07-17

```

γ Range: 0 - 90DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.491
Humidity:60.0%
Test Distance:7.710m [K=1.0000]
Remarks:

```