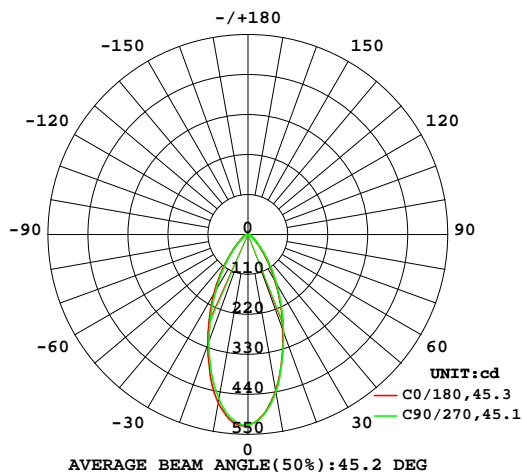


## LUMINAIRE PHOTOMETRIC TEST REPORT

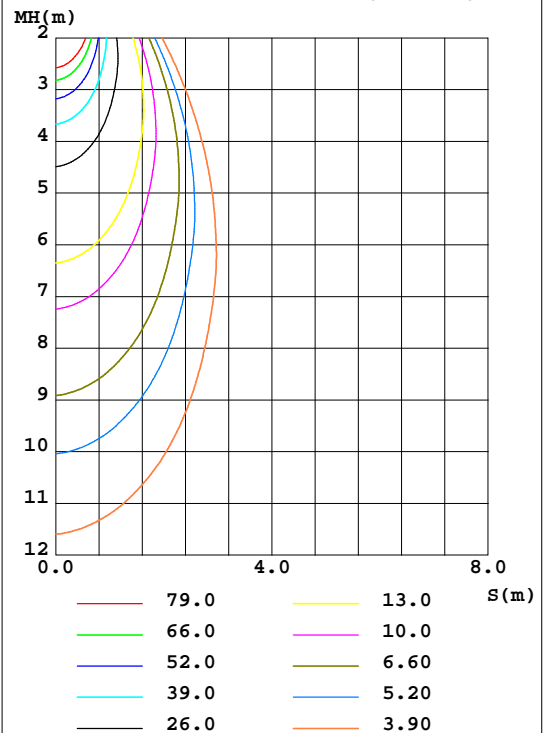
|  |       |                  |
|--|-------|------------------|
| Test:U:228.69V I:0.0311A P:6.0281W PF:0.8468 Freq:49.99Hz Lamp Flux:406.406x1 lm |       |                  |
| NAME: 5RS230-2   | TYPE: | WEIGHT:          |
| SPEC.:   | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE   | SUR.: | Shielding Angle: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA Eff: 67.42 lm/W |        |                   |          |
|------------------|---------|----------------------------------|--------|-------------------|----------|
| MODEL            | 4000K   | I <sub>max</sub> (cd)            | 526.0  | S/MH(C0/180)      | 0.74     |
| NOMINAL POWER(W) |         | LOR(%)                           | 100.0  | S/MH(C90/270)     | 0.73     |
| RATED VOLTAGE(V) | 230     | TOTAL FLUX(lm)                   | 406.41 | h UP,DN(C0-180)   | 0.0,48.6 |
| NOMINAL FLUX(lm) | 406.406 | CIE CLASS                        | DIRECT | h UP,DN(C180-360) | 0.0,51.4 |
| LAMPS INSIDE     | 1       | h up(%)                          | 0.0    | CIBSE SHR NOM     | 0.75     |
| TEST VOLTAGE(V)  | 230V    | h down(%)                        | 100.0  | CIBSE SHR MAX     | 0.80     |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
 C Interval: 2.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: will  
 Test Date: 11 September 2023

g Range: 0 - 90DEG  
 Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.416  
 Humidity: 65.0%  
 Test Distance: 8.989m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

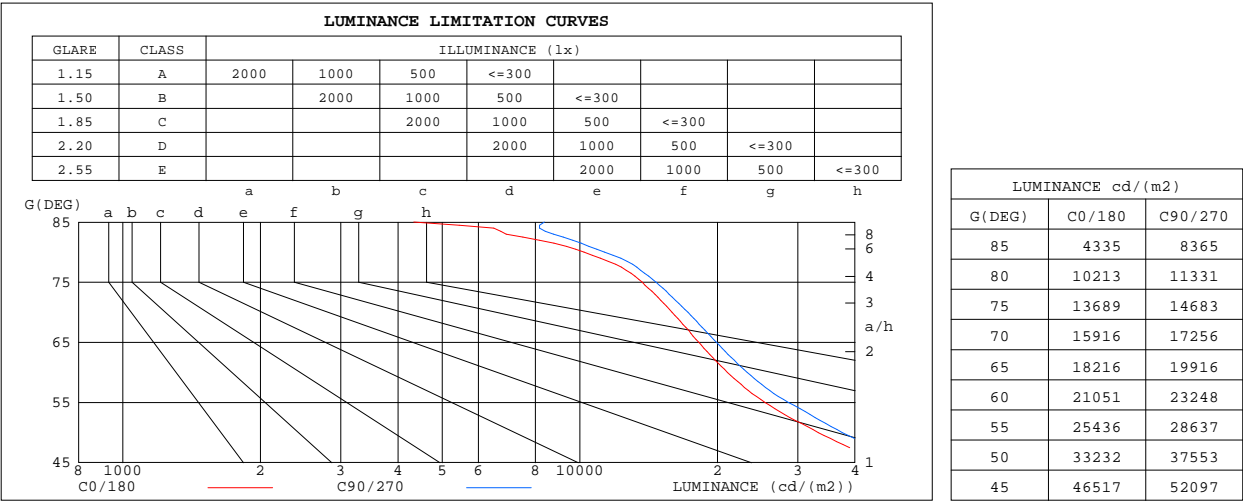
| g   | C0                    | C45    | C90    | C135   | C180   | C225   | C270   | C315   | g       | F zone  | F total | %lum,lamp |
|-----|-----------------------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|-----------|
| 5   | 496.2                 | 494.8  | 497.6  | 507.0  | 515.4  | 514.4  | 509.4  | 503.7  | 0- 5    | 12.30   | 12.30   | 3.03,3.03 |
| 10  | 437.2                 | 435.9  | 441.0  | 456.6  | 470.4  | 468.5  | 460.0  | 450.2  | 5- 10   | 34.20   | 46.50   | 11.4,11.4 |
| 15  | 360.3                 | 356.5  | 362.1  | 382.5  | 401.4  | 401.1  | 391.9  | 378.8  | 10- 15  | 49.22   | 95.72   | 23.6,23.6 |
| 20  | 280.4                 | 279.7  | 286.8  | 306.5  | 324.2  | 323.6  | 314.1  | 300.2  | 15- 20  | 55.82   | 151.5   | 37.3,37.3 |
| 25  | 212.7                 | 211.7  | 217.8  | 235.4  | 251.0  | 249.4  | 240.2  | 228.5  | 20- 25  | 55.48   | 207.0   | 50.9,50.9 |
| 30  | 151.3                 | 151.9  | 158.2  | 174.2  | 187.9  | 185.4  | 176.2  | 165.4  | 25- 30  | 50.22   | 257.2   | 63.3,63.3 |
| 35  | 101.6                 | 103.9  | 109.7  | 121.9  | 132.0  | 130.1  | 122.8  | 113.7  | 30- 35  | 41.69   | 298.9   | 73.6,73.6 |
| 40  | 65.24                 | 67.78  | 72.26  | 80.42  | 87.00  | 86.12  | 81.38  | 74.62  | 35- 40  | 31.91   | 330.8   | 81.4,81.4 |
| 45  | 41.31                 | 43.29  | 46.27  | 51.28  | 55.24  | 54.78  | 51.87  | 47.49  | 40- 45  | 22.89   | 353.7   | 87,87     |
| 50  | 26.83                 | 28.40  | 30.32  | 33.13  | 35.22  | 34.76  | 32.92  | 30.35  | 45- 50  | 15.92   | 369.7   | 91,91     |
| 55  | 18.32                 | 19.42  | 20.63  | 22.27  | 23.43  | 22.99  | 21.78  | 20.28  | 50- 55  | 11.26   | 380.9   | 93.7,93.7 |
| 60  | 13.22                 | 13.88  | 14.60  | 15.56  | 16.22  | 15.91  | 15.15  | 14.30  | 55- 60  | 8.192   | 389.1   | 95.7,95.7 |
| 65  | 9.669                 | 10.09  | 10.57  | 11.26  | 11.74  | 11.52  | 10.98  | 10.40  | 60- 65  | 6.178   | 395.3   | 97.3,97.3 |
| 70  | 6.837                 | 7.080  | 7.413  | 7.951  | 8.346  | 8.183  | 7.784  | 7.359  | 65- 70  | 4.631   | 399.9   | 98.4,98.4 |
| 75  | 4.450                 | 4.559  | 4.773  | 5.190  | 5.517  | 5.408  | 5.122  | 4.821  | 70- 75  | 3.273   | 403.2   | 99.2,99.2 |
| 80  | 2.228                 | 2.300  | 2.471  | 2.825  | 3.111  | 3.040  | 2.815  | 2.558  | 75- 80  | 2.043   | 405.2   | 99.7,99.7 |
| 85  | 0.4746                | 0.7275 | 0.9157 | 1.040  | 1.098  | 1.095  | 1.003  | 0.7926 | 80- 85  | 0.9183  | 406.2   | 99.9,99.9 |
| 90  | 0.0392                | 0.0335 | 0.0392 | 0.0646 | 0.0850 | 0.0687 | 0.0458 | 0.0384 | 85- 90  | 0.2504  | 406.4   | 100,100   |
| 95  |                       |        |        |        |        |        |        |        | 90- 95  |         |         |           |
| 100 |                       |        |        |        |        |        |        |        | 95-100  |         |         |           |
| 105 |                       |        |        |        |        |        |        |        | 100-105 |         |         |           |
| 110 |                       |        |        |        |        |        |        |        | 105-110 |         |         |           |
| 115 |                       |        |        |        |        |        |        |        | 110-115 |         |         |           |
| 120 |                       |        |        |        |        |        |        |        | 115-120 |         |         |           |
| 125 |                       |        |        |        |        |        |        |        | 120-125 |         |         |           |
| 130 |                       |        |        |        |        |        |        |        | 125-130 |         |         |           |
| 135 |                       |        |        |        |        |        |        |        | 130-135 |         |         |           |
| 140 |                       |        |        |        |        |        |        |        | 135-140 |         |         |           |
| 145 |                       |        |        |        |        |        |        |        | 140-145 |         |         |           |
| 150 |                       |        |        |        |        |        |        |        | 145-150 |         |         |           |
| 155 |                       |        |        |        |        |        |        |        | 150-155 |         |         |           |
| 160 |                       |        |        |        |        |        |        |        | 155-160 |         |         |           |
| 165 |                       |        |        |        |        |        |        |        | 160-165 |         |         |           |
| 170 |                       |        |        |        |        |        |        |        | 165-170 |         |         |           |
| 175 |                       |        |        |        |        |        |        |        | 170-175 |         |         |           |
| 180 |                       |        |        |        |        |        |        |        | 175-180 |         |         |           |
| DEG | LUMINOUS INTENSITY:cd |        |        |        |        |        |        |        |         | UNIT:lm |         |           |

C Range: 0 - 360DEG  
 C Interval: 2.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:will  
 Test Date:11 September 2023

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.416  
 Humidity:65.0%  
 Test Distance:8.989m [K=1.0000]  
 Remarks:

LUMINANCE LIMITATION CURVES

|  |       |                  |
|--|-------|------------------|
| Test:U:228.69V I:0.0311A P:6.0281W PF:0.8468 Freq:49.99Hz Lamp Flux:406.406x1 lm |       |                  |
| NAME: 5RS230-2   | TYPE: | WEIGHT:          |
| SPEC.:   | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE   | SUR.: | Shielding Angle: |



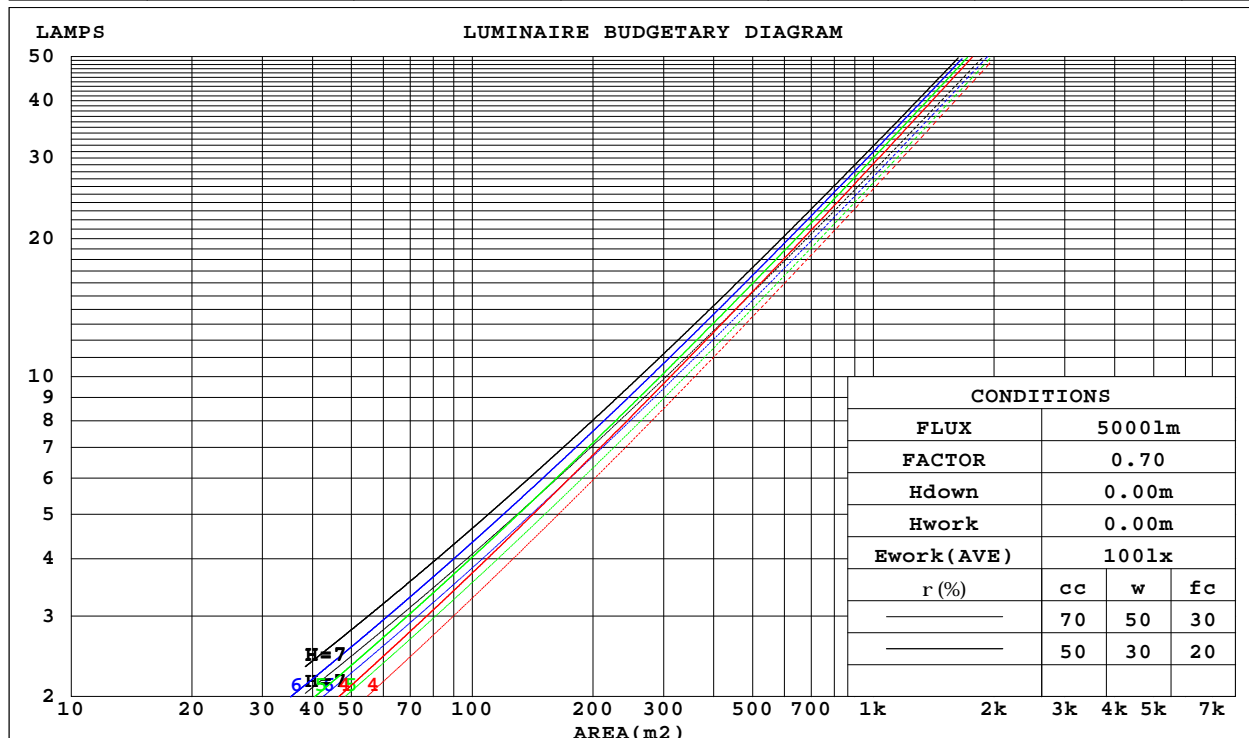
C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:will  
Test Date:11 September 2023

g Range: 0 - 90DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.416  
Humidity:65.0%  
Test Distance:8.989m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|  |       |                  |
|--|-------|------------------|
| Test:U:228.69V I:0.0311A P:6.0281W PF:0.8468 Freq:49.99Hz Lamp Flux:406.406x1 lm |       |                  |
| NAME: 5RS230-2   | TYPE: | WEIGHT:          |
| SPEC.:   | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE   | SUR.: | Shielding Angle: |

| 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 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |



C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:will  
Test Date:11 September 2023

g Range: 0 - 90DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.416  
Humidity:65.0%  
Test Distance:8.989m [K=1.0000]  
Remarks:

### WEC AND CCEC

|  |       |                  |
|--|-------|------------------|
| Test:U:228.69V I:0.0311A P:6.0281W PF:0.8468 Freq:49.99Hz Lamp Flux:406.406x1 lm |       |                  |
| NAME: 5RS230-2   | TYPE: | WEIGHT:          |
| SPEC.:   | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE   | SUR.: | Shielding Angle: |

|      |   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |
|------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| rcc  | 80%   |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0 |
| rw   | 50%   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| rfc  | 20%   |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |
| 0.0  |   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |
| 1.0  | .200  | .114 | .036 | .193 | .110 | .035 | .181 | .104 | .033 | .169 | .097 | .031 | .158 | .092 | .030 |   |
| 2.0  | .191  | .105 | .032 | .186 | .102 | .032 | .175 | .097 | .030 | .165 | .093 | .029 | .156 | .088 | .028 |   |
| 3.0  | .181  | .096 | .029 | .176 | .094 | .028 | .167 | .090 | .027 | .158 | .087 | .027 | .150 | .083 | .026 |   |
| 4.0  | .171  | .089 | .026 | .167 | .087 | .026 | .159 | .084 | .025 | .151 | .081 | .025 | .144 | .078 | .024 |   |
| 5.0  | .162  | .082 | .024 | .158 | .081 | .024 | .151 | .079 | .023 | .144 | .076 | .023 | .138 | .074 | .022 |   |
| 6.0  | .153  | .077 | .022 | .150 | .076 | .022 | .144 | .074 | .021 | .138 | .072 | .021 | .132 | .070 | .021 |   |
| 7.0  | .145  | .072 | .020 | .142 | .071 | .020 | .137 | .069 | .020 | .132 | .068 | .020 | .127 | .066 | .019 |   |
| 8.0  | .138  | .068 | .019 | .136 | .067 | .019 | .131 | .065 | .019 | .126 | .064 | .018 | .122 | .062 | .018 |   |
| 9.0  | .132  | .064 | .018 | .129 | .063 | .018 | .125 | .062 | .017 | .121 | .060 | .017 | .117 | .059 | .017 |   |
| 10.0 | .126  | .060 | .017 | .123 | .060 | .017 | .119 | .059 | .016 | .116 | .057 | .016 | .112 | .056 | .016 |   |

|      |  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |
|------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| rcc  | 80%  |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0 |
| rw   | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| rfc  | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |
| 0.0  | .190   | .190 | .190 | .163 | .163 | .163 | .111 | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 |   |
| 1.0  | .173   | .157 | .143 | .148 | .135 | .123 | .101 | .093 | .085 | .058 | .054 | .050 | .019 | .017 | .016 |   |
| 2.0  | .159   | .132 | .110 | .136 | .114 | .095 | .093 | .079 | .066 | .054 | .046 | .039 | .017 | .015 | .013 |   |
| 3.0  | .147   | .114 | .087 | .126 | .098 | .075 | .087 | .068 | .053 | .050 | .040 | .031 | .016 | .013 | .010 |   |
| 4.0  | .138   | .099 | .070 | .118 | .086 | .061 | .081 | .060 | .043 | .047 | .035 | .025 | .015 | .011 | .008 |   |
| 5.0  | .129   | .088 | .057 | .111 | .076 | .050 | .076 | .053 | .035 | .044 | .031 | .021 | .014 | .010 | .007 |   |
| 6.0  | .122   | .079 | .048 | .105 | .068 | .042 | .072 | .048 | .029 | .042 | .028 | .018 | .014 | .009 | .006 |   |
| 7.0  | .115   | .071 | .041 | .099 | .062 | .035 | .068 | .043 | .025 | .040 | .026 | .015 | .013 | .008 | .005 |   |
| 8.0  | .109   | .065 | .035 | .094 | .056 | .030 | .065 | .040 | .022 | .038 | .023 | .013 | .012 | .008 | .004 |   |
| 9.0  | .104   | .060 | .030 | .090 | .052 | .026 | .062 | .037 | .019 | .036 | .022 | .011 | .012 | .007 | .004 |   |
| 10.0 | .099   | .056 | .027 | .086 | .048 | .023 | .059 | .034 | .016 | .035 | .020 | .010 | .011 | .007 | .003 |   |

C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:will  
Test Date:11 September 2023

g Range: 0 - 90DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.416  
Humidity:65.0%  
Test Distance:8.989m [K=1.0000]  
Remarks:

## UGR(Unified Glare Rating) Table

|  |                  |      |      |      |       |                |      |                  |      |      |
|--|------------------|------|------|------|-------|----------------|------|------------------|------|------|
| Test:U:228.69V I:0.0311A P:6.0281W PF:0.8468 Freq:49.99Hz Lamp Flux:406.406x1 lm |                  |      |      |      |       |                |      |                  |      |      |
| NAME: 5RS230-2   |                  |      |      |      | TYPE: |                |      | WEIGHT:          |      |      |
| SPEC.:   |                  |      |      |      | DIM.: |                |      | SERIAL No.:      |      |      |
| MFR.: EVERFINE   |                  |      |      |      | SUR.: |                |      | Shielding Angle: |      |      |
|  |                  |      |      |      |       |                |      |                  |      |      |
| ceiling/cavity   | 0.7              | 0.7  | 0.5  | 0.5  | 0.3   | 0.7            | 0.7  | 0.5              | 0.5  | 0.3  |
| walls  | 0.5              | 0.3  | 0.5  | 0.3  | 0.3   | 0.5            | 0.3  | 0.5              | 0.3  | 0.3  |
| working plane  | 0.2              | 0.2  | 0.2  | 0.2  | 0.2   | 0.2            | 0.2  | 0.2              | 0.2  | 0.2  |
| Room dimensions  | Viewed crosswise |      |      |      |       | Viewed endwise |      |                  |      |      |
| x = 2H y = 2H  | 21.6             | 22.7 | 21.9 | 22.8 | 23.0  | 22.0           | 23.0 | 22.2             | 23.2 | 23.4 |
| 3H   | 22.0             | 23.0 | 22.3 | 23.2 | 23.4  | 22.4           | 23.4 | 22.7             | 23.6 | 23.8 |
| 4H   | 22.2             | 23.1 | 22.5 | 23.3 | 23.5  | 22.6           | 23.5 | 22.9             | 23.7 | 23.9 |
| 6H   | 22.3             | 23.1 | 22.6 | 23.4 | 23.6  | 22.7           | 23.5 | 23.0             | 23.8 | 24.0 |
| 8H   | 22.3             | 23.1 | 22.6 | 23.3 | 23.6  | 22.7           | 23.5 | 23.0             | 23.7 | 24.0 |
| 12H  | 22.2             | 23.0 | 22.5 | 23.3 | 23.6  | 22.6           | 23.4 | 23.0             | 23.7 | 24.0 |
|  |                  |      |      |      |       |                |      |                  |      |      |
| 4H 2H  | 21.7             | 22.6 | 22.0 | 22.9 | 23.1  | 22.1           | 23.0 | 22.4             | 23.2 | 23.4 |
| 3H   | 22.3             | 23.1 | 22.6 | 23.4 | 23.6  | 22.6           | 23.4 | 23.0             | 23.7 | 24.0 |
| 4H   | 22.5             | 23.3 | 22.9 | 23.6 | 23.9  | 22.9           | 23.6 | 23.2             | 23.9 | 24.2 |
| 6H   | 22.7             | 23.3 | 23.1 | 23.7 | 24.0  | 23.0           | 23.7 | 23.4             | 24.0 | 24.4 |
| 8H   | 22.7             | 23.3 | 23.1 | 23.6 | 24.0  | 23.1           | 23.6 | 23.5             | 24.0 | 24.4 |
| 12H  | 22.7             | 23.2 | 23.1 | 23.6 | 24.0  | 23.1           | 23.6 | 23.5             | 24.0 | 24.4 |
|  |                  |      |      |      |       |                |      |                  |      |      |
| 8H 4H  | 22.6             | 23.2 | 23.0 | 23.5 | 23.9  | 22.9           | 23.5 | 23.3             | 23.8 | 24.2 |
| 6H   | 22.8             | 23.3 | 23.2 | 23.7 | 24.1  | 23.1           | 23.6 | 23.6             | 24.0 | 24.4 |
| 8H   | 22.8             | 23.3 | 23.3 | 23.7 | 24.1  | 23.2           | 23.6 | 23.6             | 24.0 | 24.5 |
| 12H  | 22.8             | 23.2 | 23.3 | 23.6 | 24.1  | 23.2           | 23.6 | 23.7             | 24.0 | 24.5 |
|  |                  |      |      |      |       |                |      |                  |      |      |
| 12H 4H   | 22.6             | 23.1 | 23.0 | 23.5 | 23.9  | 22.9           | 23.4 | 23.3             | 23.8 | 24.2 |
| 6H   | 22.8             | 23.2 | 23.2 | 23.6 | 24.1  | 23.1           | 23.5 | 23.6             | 23.9 | 24.4 |
| 8H   | 22.8             | 23.2 | 23.3 | 23.6 | 24.1  | 23.2           | 23.5 | 23.6             | 24.0 | 24.4 |
| Variations with the observer position at spacings:                               |                  |      |      |      |       |                |      |                  |      |      |
| S = 1.0H   | + 1.0 / - 1.4    |      |      |      |       | + 1.1 / - 1.4  |      |                  |      |      |
| 1.5H   | + 1.7 / - 1.1    |      |      |      |       | + 1.9 / - 1.2  |      |                  |      |      |
| 2.0H   | + 1.8 / - 1.1    |      |      |      |       | + 2.0 / - 1.2  |      |                  |      |      |

CIE Pub.117, 406.4 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -3.1)  
Area: 0.001256 m2

C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:will  
Test Date:11 September 2023

g Range: 0 - 90DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.416  
Humidity:65.0%  
Test Distance:8.989m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

|  |       |                  |
|--|-------|------------------|
| Test:U:228.69V I:0.0311A P:6.0281W PF:0.8468 Freq:49.99Hz Lamp Flux:406.406x1 lm |       |                  |
| NAME: 5RS230-2   | TYPE: | WEIGHT:          |
| SPEC.:   | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE   | SUR.: | Shielding Angle: |

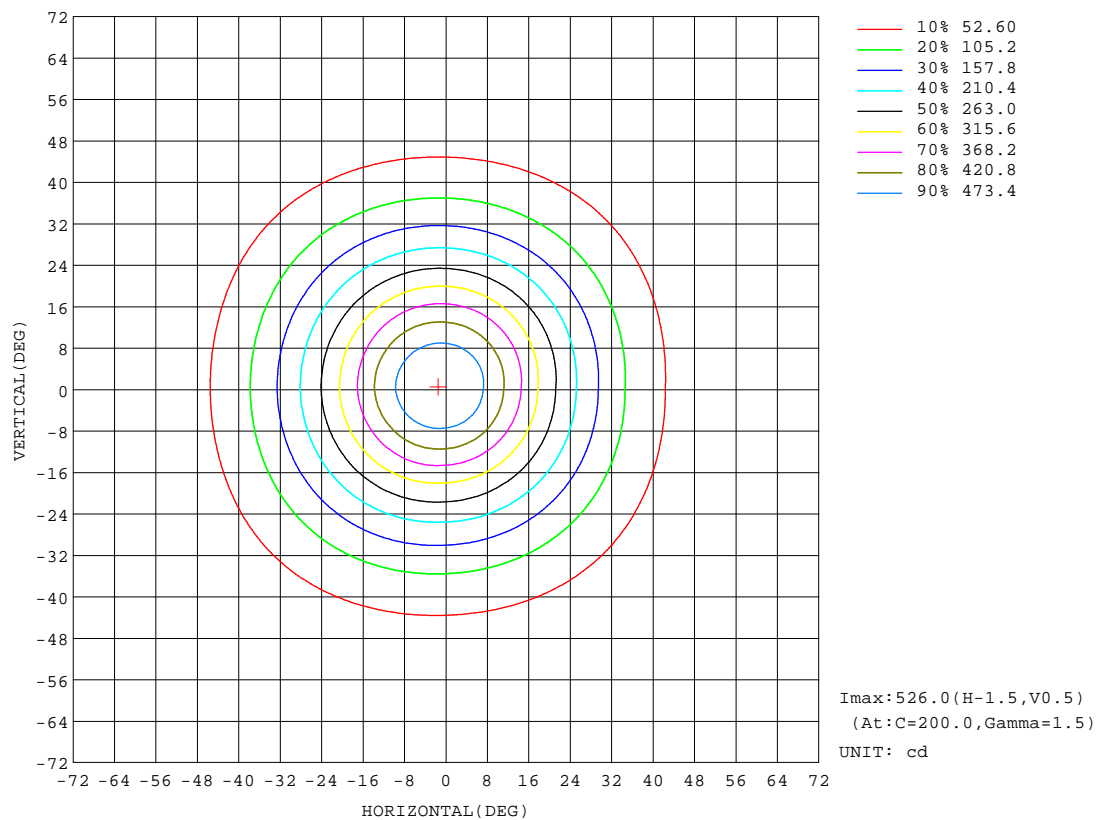
| REFLECTANCE                      |   |     |           |     |     |     |     |               |     |        |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8   | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 0.5 | 0.5           | 0.5 | 0      |
| Walls                            | 0.7   | 0.5 | 0.3       | 0.7 | 0.5 | 0.3 | 0.7 | 0.5           | 0.3 | 0      |
| Working plane                    | 0.2   | 0.2 | 0.2       | 0.2 | 0.2 | 0.2 | 0.2 | 0.2           | 0.2 | 0      |
| ROOM INDEX                       | UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| k = 0.60                         | 80  | 72  | 68        | 79  | 72  | 68  | 78  | 72            | 67  | 63     |
| 0.80                             | 88  | 81  | 76        | 87  | 81  | 76  | 86  | 80            | 76  | 71     |
| 1.00                             | 94  | 87  | 83        | 93  | 87  | 82  | 91  | 87            | 82  | 77     |
| 1.25                             | 99  | 92  | 88        | 98  | 92  | 88  | 95  | 90            | 87  | 82     |
| 1.50                             | 102   | 96  | 92        | 101 | 95  | 91  | 98  | 94            | 90  | 85     |
| 2.00                             | 106   | 101 | 97        | 104 | 100 | 96  | 101 | 97            | 94  | 89     |
| 2.50                             | 108   | 103 | 100       | 106 | 102 | 99  | 103 | 99            | 97  | 90     |
| 3.00                             | 110   | 106 | 102       | 108 | 104 | 101 | 104 | 101           | 99  | 92     |
| 4.00                             | 112   | 109 | 106       | 110 | 107 | 105 | 106 | 104           | 102 | 95     |
| 5.00                             | 114   | 111 | 108       | 111 | 109 | 107 | 107 | 105           | 104 | 96     |
| ROOM INDEX                       | UF(total)   |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |   |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
 C Interval: 2.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:will  
 Test Date:11 September 2023

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.416  
 Humidity:65.0%  
 Test Distance:8.989m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

|  |       |                  |
|--|-------|------------------|
| Test:U:228.69V I:0.0311A P:6.0281W PF:0.8468 Freq:49.99Hz Lamp Flux:406.406x1 lm |       |                  |
| NAME: 5RS230-2   | TYPE: | WEIGHT:          |
| SPEC.:   | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE   | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: will  
Test Date: 11 September 2023

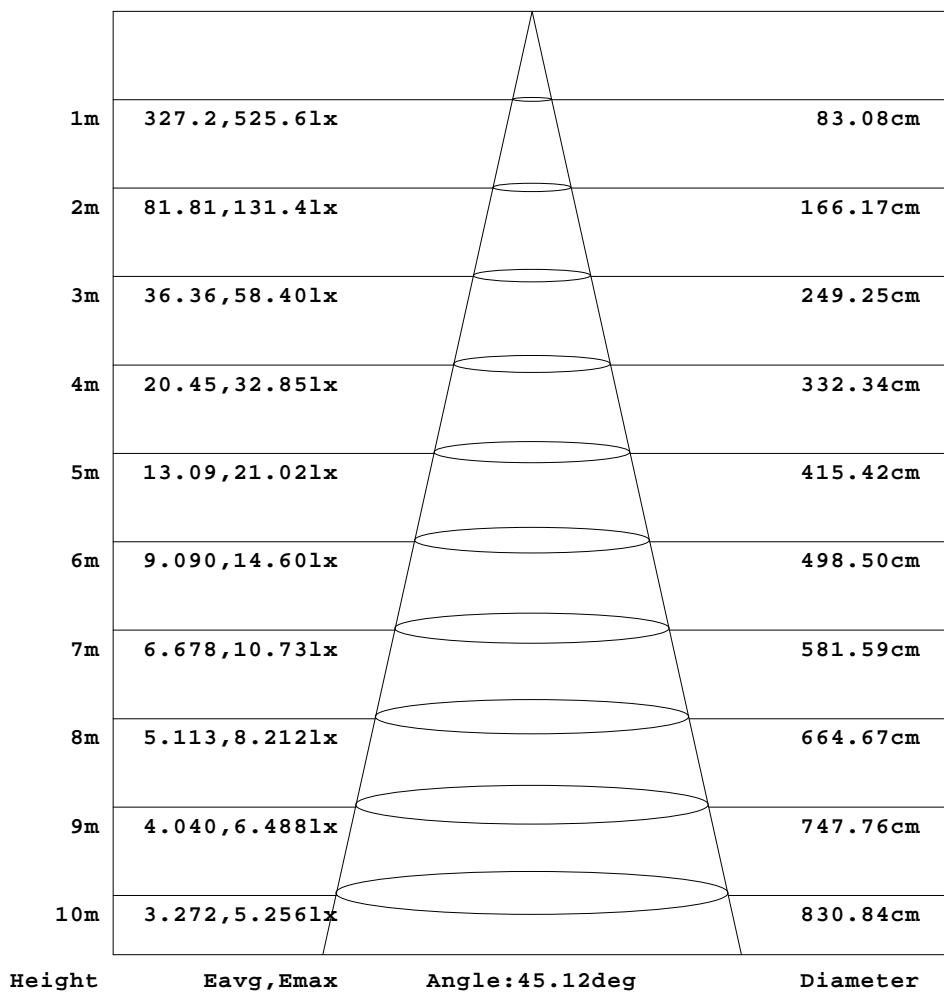
deg Range: 0 - 90DEG  
Interval: 0.5DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.416  
Humidity: 65.0%  
Test Distance: 8.989m [K=1.0000]  
Remarks:



### AAI Figure

|  |       |                  |
|--|-------|------------------|
| Test:U:228.69V I:0.0311A P:6.0281W PF:0.8468 Freq:49.99Hz Lamp Flux:406.406x1 lm |       |                  |
| NAME: 5RS230-2   | TYPE: | WEIGHT:          |
| SPEC.:   | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE   | SUR.: | Shielding Angle: |

Flux out:185.2 lm



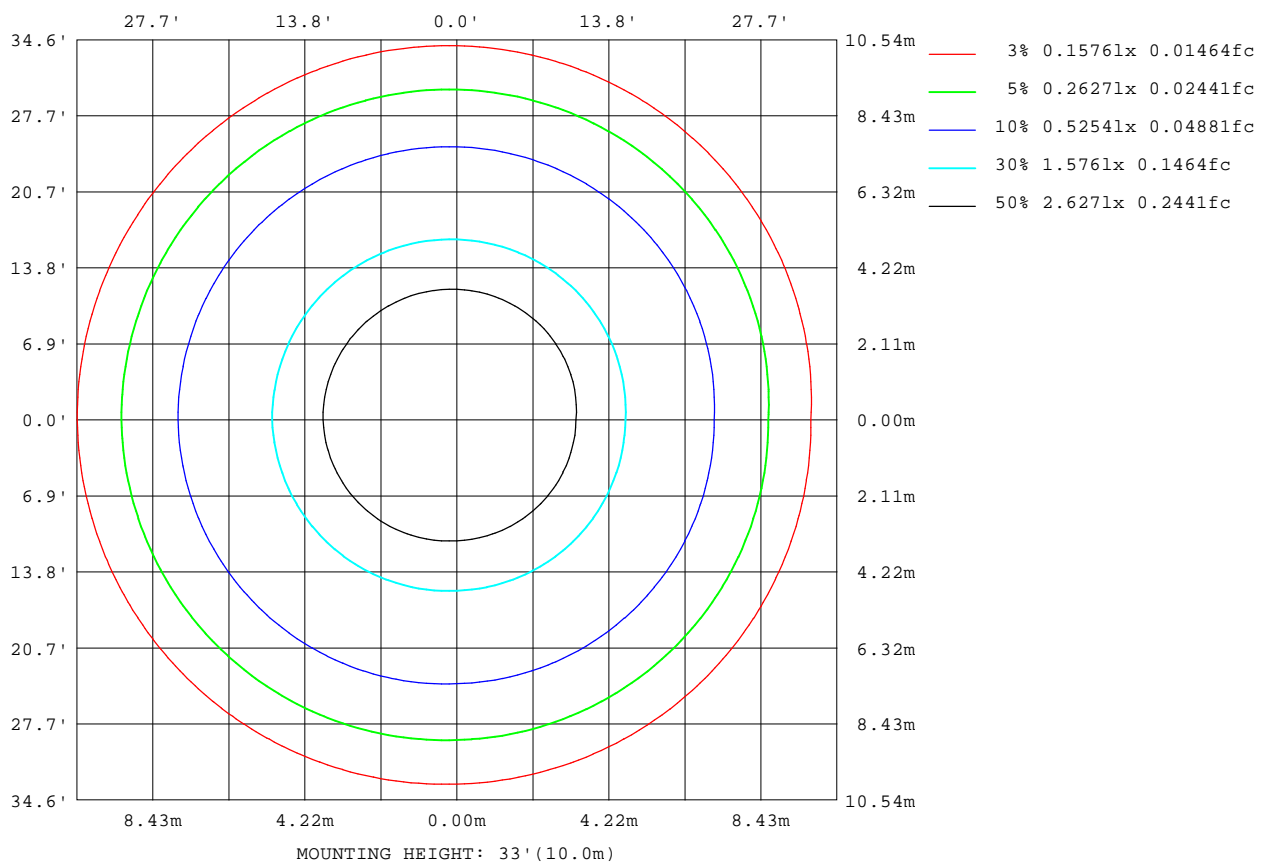
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:will  
Test Date:11 September 2023

g Range: 0 - 90DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.416  
Humidity:65.0%  
Test Distance:8.989m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

|  |       |                  |
|--|-------|------------------|
| Test:U:228.69V I:0.0311A P:6.0281W PF:0.8468 Freq:49.99Hz Lamp Flux:406.406x1 lm |       |                  |
| NAME: 5RS230-2   | TYPE: | WEIGHT:          |
| SPEC.:   | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE   | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG  
 C Interval: 2.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: will  
 Test Date: 11 September 2023

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.416  
 Humidity: 65.0%  
 Test Distance: 8.989m [K=1.0000]  
 Remarks:

### LED Avg.L Report

|  |       |                  |
|--|-------|------------------|
| Test:U:228.69V I:0.0311A P:6.0281W PF:0.8468 Freq:49.99Hz Lamp Flux:406.406x1 lm |       |                  |
| NAME: 5RS230-2   | TYPE: | WEIGHT:          |
| SPEC.:   | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE   | SUR.: | Shielding Angle: |

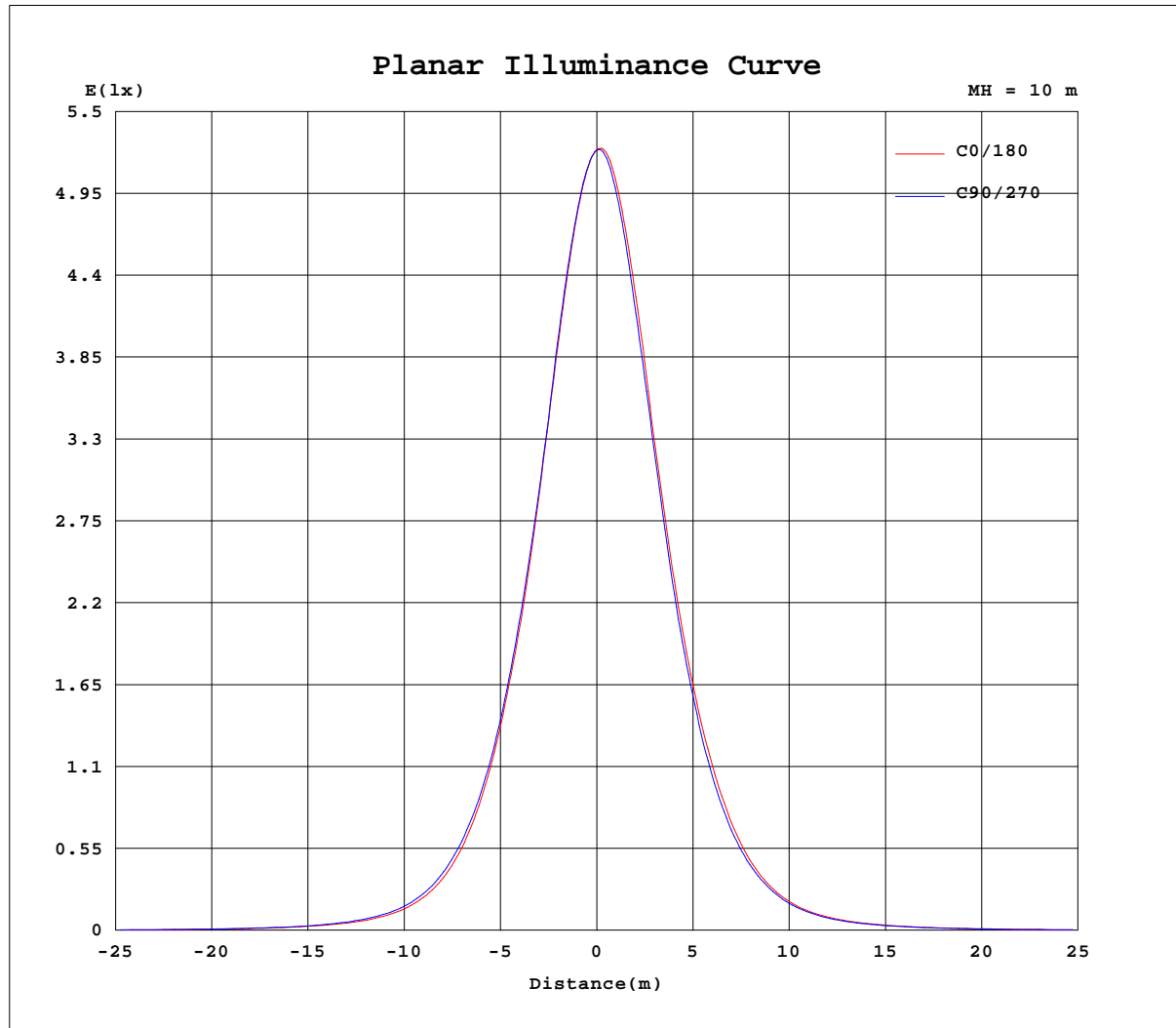
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 20167 |
| L_0~180(75)av  | 15330 |
| L_0~180(85)av  | 7182  |
| L_90~270(65)av | 20304 |
| L_90~270(75)av | 15220 |
| L_90~270(85)av | 8761  |
| L_45(65)av     | 20374 |
| L_45(75)av     | 15364 |
| L_45(85)av     | 8347  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:will  
Test Date:11 September 2023

g Range: 0 - 90DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.416  
Humidity:65.0%  
Test Distance:8.989m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: will  
Test Date: 11 September 2023

g Range: 0 - 90DEG  
g Interval: 0.5DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.416  
Humidity: 65.0%  
Test Distance: 8.989m [K=1.0000]  
Remarks:

















