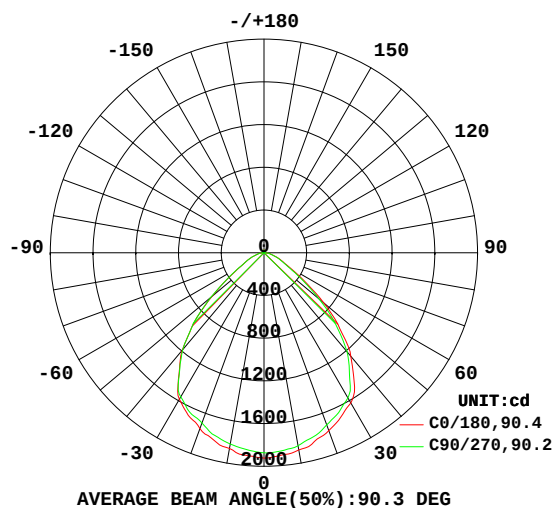


## LUMINAIRE PHOTOMETRIC TEST REPORT

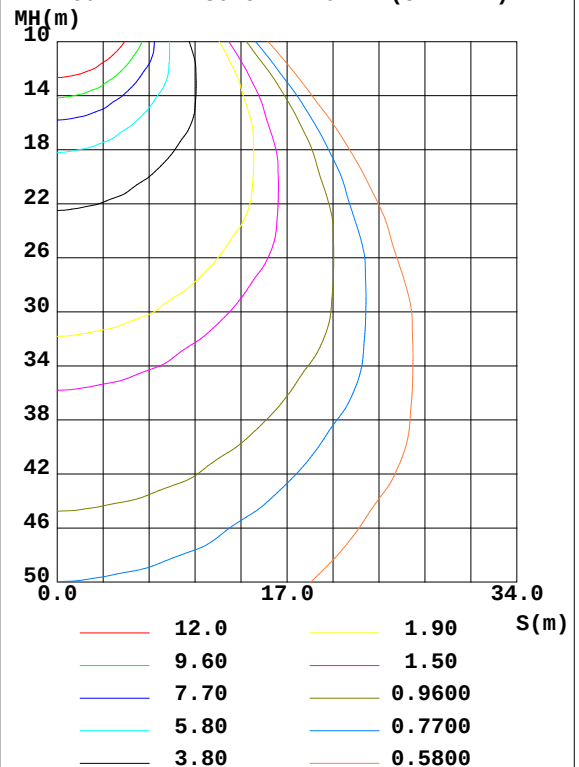
|                                                                                  |             |                  |
|----------------------------------------------------------------------------------|-------------|------------------|
| Test:U:231.79V I:0.1638A P:37.176W PF:0.9790 Freq:49.99Hz Lamp Flux:3773.31x1 lm |             |                  |
| NAME: SFR006-WHTC3832S01                                                         | TYPE:       | WEIGHT:          |
| SPEC.: white RA80 3000K+5700K                                                    | DIM.:       | SERIAL No.:      |
| MFR.:                                                                            | SUR.: 110mm | Shielding Angle: |

| DATA OF LAMP     |               | PHOTOMETRIC DATA Eff: 101.50 lm/W |        |                    |           |
|------------------|---------------|-----------------------------------|--------|--------------------|-----------|
| MODEL            | 2835 80 3000K | I <sub>max</sub> (cd)             | 1923   | S/MH(C0/180)       | 1.23      |
| NOMINAL POWER(W) | 38            | LOR(%)                            | 100.0  | S/MH(C90/270)      | 1.24      |
| RATED VOLTAGE(V) | 220-240       | TOTAL FLUX(lm)                    | 3773.3 | η UP, DN(C0-180)   | 0.8, 49.8 |
| NOMINAL FLUX(lm) | 3773.31       | CIE CLASS                         | DIRECT | η UP, DN(C180-360) | 0.8, 48.6 |
| LAMPS INSIDE     | 1             | η up(%)                           | 1.6    | CIBSE SHR NOM      | 1.25      |
| TEST VOLTAGE(V)  | 220           | η down(%)                         | 98.4   | CIBSE SHR MAX      | 1.30      |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx)



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25DEG  
Operators:  
Test Date: 2025-06-24

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
Humidity: 65.0%  
Test Distance: 7.880m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

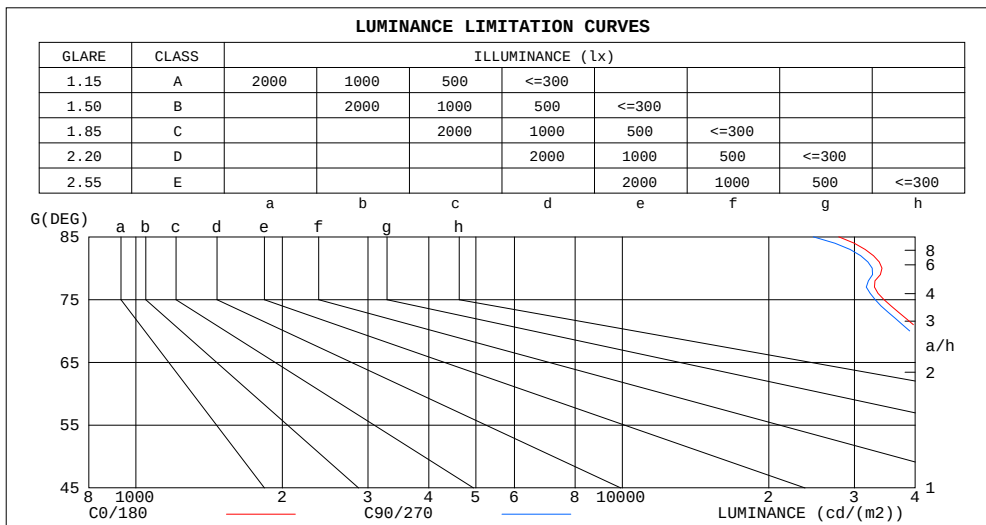
| $\gamma$ | C0                    | C45    | C90    | C135   | C180   | C225   | C270  | C315   | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|-------|--------|----------|-------------|--------------|------------|
| 10       | 1875                  | 1855   | 1836   | 1805   | 1861   | 1835   | 1818  | 1815   | 0- 10    | 177.3       | 177.3        | 4.7,4.7    |
| 20       | 1774                  | 1742   | 1716   | 1688   | 1753   | 1728   | 1698  | 1713   | 10- 20   | 504.1       | 681.4        | 18.1,18.1  |
| 30       | 1626                  | 1594   | 1570   | 1544   | 1585   | 1559   | 1558  | 1561   | 20- 30   | 761.9       | 1443         | 38.3,38.3  |
| 40       | 1264                  | 1246   | 1210   | 1164   | 1189   | 1168   | 1185  | 1202   | 30- 40   | 872.9       | 2316         | 61.4,61.4  |
| 50       | 731.0                 | 715.8  | 673.7  | 633.1  | 638.6  | 627.5  | 649.9 | 679.8  | 40- 50   | 724.3       | 3040         | 80.6,80.6  |
| 60       | 283.7                 | 277.5  | 260.7  | 246.1  | 242.1  | 239.2  | 246.9 | 262.8  | 50- 60   | 384.6       | 3425         | 90.8,90.8  |
| 70       | 133.5                 | 131.9  | 126.6  | 119.2  | 118.0  | 115.1  | 118.3 | 123.3  | 60- 70   | 178.7       | 3604         | 95.5,95.5  |
| 80       | 56.40                 | 55.87  | 53.86  | 51.40  | 50.30  | 49.05  | 50.86 | 53.27  | 70- 80   | 86.44       | 3690         | 97.8,97.8  |
| 90       | 0.7350                | 0.7164 | 0.7166 | 0.7441 | 0.9290 | 0.9198 | 1.439 | 0.8323 | 80- 90   | 24.18       | 3714         | 98.4,98.4  |
| 100      | 1.739                 | 1.698  | 1.735  | 1.808  | 2.207  | 2.156  | 2.818 | 1.936  | 90-100   | 1.462       | 3716         | 98.5,98.5  |
| 110      | 3.713                 | 3.599  | 3.709  | 3.833  | 4.556  | 4.431  | 5.171 | 3.995  | 100-110  | 3.077       | 3719         | 98.6,98.6  |
| 120      | 7.014                 | 6.808  | 6.996  | 7.240  | 8.351  | 8.043  | 9.128 | 7.386  | 110-120  | 5.603       | 3725         | 98.7,98.7  |
| 130      | 11.50                 | 11.17  | 11.46  | 11.72  | 13.14  | 12.61  | 13.36 | 11.64  | 120-130  | 8.676       | 3733         | 98.9,98.9  |
| 140      | 15.67                 | 15.38  | 15.81  | 15.86  | 17.37  | 16.74  | 16.38 | 15.61  | 130-140  | 10.82       | 3744         | 99.2,99.2  |
| 150      | 18.69                 | 18.49  | 19.07  | 18.89  | 20.34  | 20.06  | 19.45 | 18.99  | 140-150  | 11.04       | 3755         | 99.5,99.5  |
| 160      | 21.35                 | 21.07  | 21.83  | 21.30  | 22.76  | 22.32  | 22.37 | 21.28  | 150-160  | 9.422       | 3764         | 99.8,99.8  |
| 170      | 23.86                 | 24.00  | 24.12  | 23.94  | 24.99  | 24.65  | 24.11 | 23.52  | 160-170  | 6.464       | 3771         | 99.9,99.9  |
| 180      | 26.13                 | 26.38  | 25.40  | 25.64  | 26.35  | 26.53  | 25.53 | 25.71  | 170-180  | 2.367       | 3773         | 100,100    |
| DEG      | LUMINOUS INTENSITY:cd |        |        |        |        |        |       |        |          | UNIT: lm    |              |            |

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:  
Test Date:2025-06-24

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
Humidity:65.0%  
Test Distance:7.880m [K=1.0000]  
Remarks:

## LUMINANCE LIMITATION CURVES

|                                                                                  |             |                  |
|----------------------------------------------------------------------------------|-------------|------------------|
| Test:U:231.79V I:0.1638A P:37.176W PF:0.9790 Freq:49.99Hz Lamp Flux:3773.31x1 lm |             |                  |
| NAME: SFR006-WHTC3832S01                                                         | TYPE:       | WEIGHT:          |
| SPEC.: white RA80 3000K+5700K                                                    | DIM.:       | SERIAL No.:      |
| MFR.:                                                                            | SUR.: 110mm | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G(DEG)            | C0/180 | C90/270 |
| 85                | 27851  | 24694   |
| 80                | 34187  | 32646   |
| 75                | 34499  | 33078   |
| 70                | 41084  | 38978   |
| 65                | 47591  | 44704   |
| 60                | 59724  | 54882   |
| 55                | 84973  | 77914   |
| 50                | 119704 | 110330  |
| 45                | 149339 | 141790  |

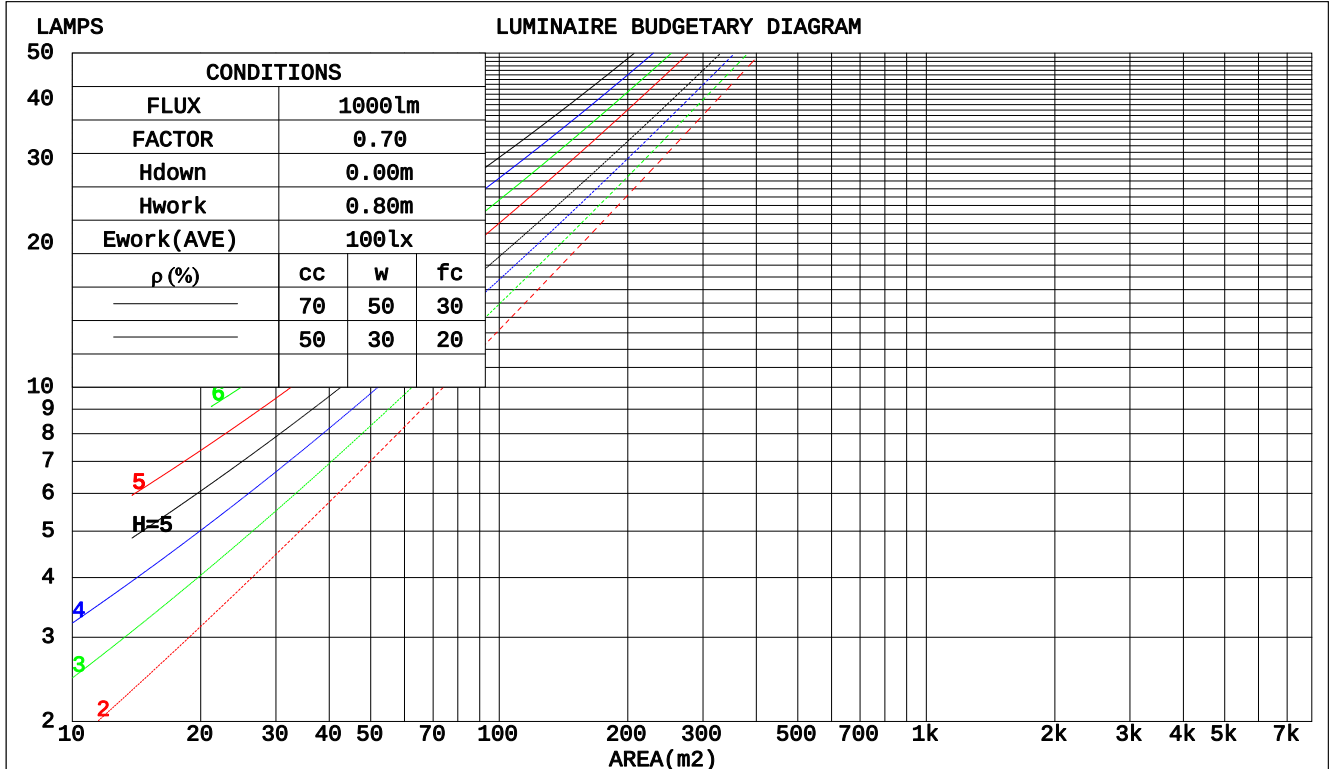
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25DEG  
Operators:  
Test Date: 2025-06-24

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
Humidity: 65.0%  
Test Distance: 7.880m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                                  |             |                  |
|----------------------------------------------------------------------------------|-------------|------------------|
| Test:U:231.79V I:0.1638A P:37.176W PF:0.9790 Freq:49.99Hz Lamp Flux:3773.31x1 lm |             |                  |
| NAME: SFR006-WHTC3832S01                                                         | TYPE:       | WEIGHT:          |
| SPEC.: white RA80 3000K+5700K                                                    | DIM.:       | SERIAL No.:      |
| MFR.:                                                                            | SUR.: 110mm | Shielding Angle: |

| $\rho_{CC}$           | 80%                             |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0   |
|-----------------------|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| $\rho_W$              | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0   |
| $\rho_{fc}$           | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0   |
| RCR                   | Coefficients of Utilization(CU) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |
| RCR:Room Cavity Ratio |                                 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |
| 0.0                   | 1.19                            | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.10 | 1.10 | 1.10 | 1.05 | 1.05 | 1.05 | 1.01 | 1.01 | 1.01 | .98 |
| 1.0                   | 1.07                            | 1.04 | 1.01 | 1.05 | 1.02 | .99  | 1.00 | .98  | .95  | .96  | .94  | .92  | .92  | .91  | .89  | .87 |
| 2.0                   | .96                             | .90  | .86  | .94  | .89  | .85  | .90  | .86  | .83  | .87  | .84  | .80  | .84  | .81  | .79  | .77 |
| 3.0                   | .86                             | .80  | .74  | .85  | .79  | .73  | .82  | .76  | .72  | .79  | .74  | .71  | .76  | .73  | .69  | .67 |
| 4.0                   | .78                             | .71  | .65  | .77  | .70  | .64  | .74  | .68  | .63  | .72  | .67  | .62  | .70  | .65  | .61  | .60 |
| 5.0                   | .71                             | .63  | .57  | .70  | .62  | .57  | .68  | .61  | .56  | .66  | .60  | .56  | .64  | .59  | .55  | .53 |
| 6.0                   | .65                             | .57  | .51  | .64  | .56  | .51  | .62  | .55  | .50  | .60  | .54  | .50  | .58  | .53  | .49  | .47 |
| 7.0                   | .59                             | .51  | .46  | .58  | .51  | .46  | .57  | .50  | .45  | .55  | .49  | .45  | .54  | .49  | .45  | .43 |
| 8.0                   | .54                             | .47  | .41  | .54  | .46  | .41  | .52  | .46  | .41  | .51  | .45  | .41  | .50  | .44  | .40  | .39 |
| 9.0                   | .50                             | .43  | .38  | .50  | .42  | .38  | .48  | .42  | .37  | .47  | .41  | .37  | .46  | .41  | .37  | .35 |
| 10.0                  | .47                             | .39  | .34  | .46  | .39  | .34  | .45  | .39  | .34  | .44  | .38  | .34  | .43  | .38  | .34  | .32 |



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25DEG  
Operators:  
Test Date: 2025-06-24

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
Humidity: 65.0%  
Test Distance: 7.880m [K=1.0000]  
Remarks:

### WEC AND CCEC

|                                                                                  |  |  |             |  |                  |
|----------------------------------------------------------------------------------|--|--|-------------|--|------------------|
| Test:U:231.79V I:0.1638A P:37.176W PF:0.9790 Freq:49.99Hz Lamp Flux:3773.31x1 lm |  |  |             |  |                  |
| NAME: SFR006-WHTC3832S01                                                         |  |  | TYPE:       |  | WEIGHT:          |
| SPEC.: white RA80 3000K+5700K                                                    |  |  | DIM.:       |  | SERIAL No.:      |
| MFR.:                                                                            |  |  | SUR.: 110mm |  | Shielding Angle: |

| $\rho_{cc}$ | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0 |  |
|-------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|--|
| $\rho_w$    | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |  |
| $\rho_{fc}$ | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0 |  |
| RCR         | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |  |
| 0.0         |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |  |
| 1.0         | .244                  | .139 | .044 | .236 | .135 | .043 | .223                            | .128 | .041 | .210 | .121 | .039 | .198 | .115 | .037 |   |  |
| 2.0         | .235                  | .129 | .039 | .229 | .126 | .039 | .217                            | .120 | .037 | .205 | .115 | .036 | .195 | .110 | .035 |   |  |
| 3.0         | .223                  | .118 | .035 | .217 | .116 | .035 | .206                            | .112 | .034 | .197 | .108 | .033 | .188 | .104 | .032 |   |  |
| 4.0         | .210                  | .109 | .032 | .205 | .107 | .032 | .196                            | .104 | .031 | .187 | .100 | .030 | .179 | .097 | .030 |   |  |
| 5.0         | .198                  | .101 | .029 | .193 | .099 | .029 | .185                            | .096 | .028 | .177 | .094 | .028 | .170 | .091 | .027 |   |  |
| 6.0         | .186                  | .093 | .027 | .182 | .092 | .027 | .175                            | .090 | .026 | .168 | .087 | .026 | .162 | .085 | .025 |   |  |
| 7.0         | .176                  | .087 | .025 | .172 | .086 | .024 | .166                            | .084 | .024 | .159 | .082 | .024 | .154 | .080 | .023 |   |  |
| 8.0         | .166                  | .081 | .023 | .163 | .080 | .023 | .157                            | .078 | .022 | .151 | .077 | .022 | .146 | .075 | .022 |   |  |
| 9.0         | .157                  | .076 | .021 | .154 | .075 | .021 | .149                            | .074 | .021 | .144 | .072 | .021 | .139 | .071 | .020 |   |  |
| 10.0        | .149                  | .072 | .020 | .147 | .071 | .020 | .142                            | .069 | .020 | .137 | .068 | .019 | .133 | .067 | .019 |   |  |

| ρcc  | 80%                   |      |      | 70%  |      |      | 50%                                        |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|-----------------------|------|------|------|------|------|--------------------------------------------|------|------|------|------|------|------|------|------|---|
| ρw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                                        | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| ρfc  | 20%                   |      |      | 20%  |      |      | 20%                                        |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |   |
| 0.0  | .202                  | .202 | .202 | .173 | .173 | .173 | .118                                       | .118 | .118 | .068 | .068 | .068 | .022 | .022 | .022 |   |
| 1.0  | .188                  | .169 | .152 | .161 | .145 | .130 | .110                                       | .100 | .090 | .063 | .058 | .052 | .020 | .019 | .017 |   |
| 2.0  | .177                  | .144 | .117 | .151 | .124 | .101 | .104                                       | .086 | .071 | .060 | .050 | .041 | .019 | .016 | .013 |   |
| 3.0  | .167                  | .126 | .093 | .144 | .109 | .081 | .099                                       | .076 | .057 | .057 | .044 | .033 | .018 | .014 | .011 |   |
| 4.0  | .159                  | .112 | .076 | .137 | .097 | .066 | .094                                       | .068 | .047 | .054 | .040 | .028 | .018 | .013 | .009 |   |
| 5.0  | .152                  | .102 | .064 | .131 | .088 | .056 | .090                                       | .061 | .039 | .052 | .036 | .023 | .017 | .012 | .008 |   |
| 6.0  | .145                  | .093 | .055 | .125 | .080 | .048 | .086                                       | .056 | .034 | .050 | .033 | .020 | .016 | .011 | .007 |   |
| 7.0  | .139                  | .086 | .049 | .120 | .074 | .042 | .083                                       | .052 | .030 | .048 | .031 | .018 | .016 | .010 | .006 |   |
| 8.0  | .133                  | .080 | .044 | .115 | .069 | .038 | .079                                       | .049 | .027 | .046 | .029 | .016 | .015 | .009 | .005 |   |
| 9.0  | .128                  | .075 | .040 | .110 | .065 | .034 | .076                                       | .046 | .024 | .044 | .027 | .015 | .014 | .009 | .005 |   |
| 10.0 | .123                  | .071 | .036 | .106 | .062 | .032 | .073                                       | .043 | .023 | .043 | .026 | .013 | .014 | .008 | .004 |   |

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:  
Test Date:2025-06-24

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
Humidity:65.0%  
Test Distance:7.880m [K=1.0000]  
Remarks:

### UGR(Unified Glare Rating) Table

|                                                                                  |               |                  |      |      |             |               |                |                  |      |      |      |
|----------------------------------------------------------------------------------|---------------|------------------|------|------|-------------|---------------|----------------|------------------|------|------|------|
| Test:U:231.79V I:0.1638A P:37.176W PF:0.9790 Freq:49.99Hz Lamp Flux:3773.31x1 lm |               |                  |      |      |             |               |                |                  |      |      |      |
| NAME: SFR006-WHTC3832S01                                                         |               |                  |      |      | TYPE:       |               |                | WEIGHT:          |      |      |      |
| SPEC.: white RA80 3000K+5700K                                                    |               |                  |      |      | DIM.:       |               |                | SERIAL No.:      |      |      |      |
| MFR.:                                                                            |               |                  |      |      | SUR.: 110mm |               |                | 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                                                                    | 23.3          | 24.5             | 23.5 | 24.8 | 25.0        | 23.0          | 24.2           | 23.2             | 24.5 | 24.7 |      |
|                                                                                  | 3H            | 23.6             | 24.7 | 23.9 | 25.0        | 25.2          | 23.3           | 24.4             | 23.6 | 24.7 | 24.9 |
|                                                                                  | 4H            | 23.7             | 24.8 | 24.0 | 25.1        | 25.3          | 23.4           | 24.5             | 23.7 | 24.8 | 25.0 |
|                                                                                  | 6H            | 23.8             | 24.8 | 24.1 | 25.1        | 25.4          | 23.5           | 24.5             | 23.8 | 24.8 | 25.1 |
|                                                                                  | 8H            | 23.8             | 24.8 | 24.2 | 25.1        | 25.4          | 23.5           | 24.5             | 23.9 | 24.8 | 25.1 |
|                                                                                  | 12H           | 23.8             | 24.8 | 24.2 | 25.1        | 25.4          | 23.5           | 24.5             | 23.9 | 24.8 | 25.1 |
| 4H                                                                               | 2H            | 23.3             | 24.4 | 23.6 | 24.7        | 24.9          | 23.0           | 24.1             | 23.4 | 24.4 | 24.7 |
|                                                                                  | 3H            | 23.8             | 24.7 | 24.1 | 25.0        | 25.3          | 23.5           | 24.5             | 23.9 | 24.8 | 25.1 |
|                                                                                  | 4H            | 23.9             | 24.8 | 24.3 | 25.2        | 25.5          | 23.7           | 24.6             | 24.1 | 24.9 | 25.3 |
|                                                                                  | 6H            | 24.1             | 24.9 | 24.6 | 25.3        | 25.7          | 23.9           | 24.6             | 24.3 | 25.0 | 25.4 |
|                                                                                  | 8H            | 24.2             | 24.9 | 24.6 | 25.3        | 25.7          | 24.0           | 24.7             | 24.4 | 25.1 | 25.5 |
|                                                                                  | 12H           | 24.3             | 24.9 | 24.7 | 25.3        | 25.7          | 24.0           | 24.6             | 24.4 | 25.0 | 25.5 |
| 8H                                                                               | 4H            | 24.0             | 24.7 | 24.4 | 25.1        | 25.5          | 23.7           | 24.4             | 24.2 | 24.8 | 25.2 |
|                                                                                  | 6H            | 24.3             | 24.8 | 24.7 | 25.3        | 25.7          | 24.0           | 24.6             | 24.5 | 25.0 | 25.5 |
|                                                                                  | 8H            | 24.4             | 24.9 | 24.9 | 25.4        | 25.8          | 24.2           | 24.7             | 24.6 | 25.1 | 25.6 |
|                                                                                  | 12H           | 24.5             | 24.9 | 25.0 | 25.4        | 25.9          | 24.2           | 24.7             | 24.7 | 25.1 | 25.6 |
| 12H                                                                              | 4H            | 23.9             | 24.6 | 24.4 | 25.0        | 25.4          | 23.7           | 24.4             | 24.1 | 24.8 | 25.2 |
|                                                                                  | 6H            | 24.3             | 24.8 | 24.7 | 25.2        | 25.7          | 24.0           | 24.5             | 24.5 | 25.0 | 25.5 |
|                                                                                  | 8H            | 24.4             | 24.9 | 24.9 | 25.3        | 25.8          | 24.2           | 24.6             | 24.7 | 25.1 | 25.6 |
| Variations with the observer position at spacings(CIE Pub.117):                  |               |                  |      |      |             |               |                |                  |      |      |      |
| S = 1.0H                                                                         | + 0.9 / - 1.1 |                  |      |      |             | + 0.9 / - 1.2 |                |                  |      |      |      |
| 1.5H                                                                             | + 0.6 / - 0.8 |                  |      |      |             | + 0.5 / - 0.8 |                |                  |      |      |      |
| 2.0H                                                                             | + 2.2 / - 1.8 |                  |      |      |             | + 2.2 / - 1.7 |                |                  |      |      |      |

CIE Pub.117, 3773 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 4.6)  
Area: 0.0095 m2

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:  
Test Date:2025-06-24

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
Humidity:65.0%  
Test Distance:7.880m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

|                                                                                  |             |                  |
|----------------------------------------------------------------------------------|-------------|------------------|
| Test:U:231.79V I:0.1638A P:37.176W PF:0.9790 Freq:49.99Hz Lamp Flux:3773.31x1 lm |             |                  |
| NAME: SFR006-WHTC3832S01                                                         | TYPE:       | WEIGHT:          |
| SPEC.: white RA80 3000K+5700K                                                    | DIM.:       | SERIAL No.:      |
| MFR.:                                                                            | SUR.: 110mm | Shielding Angle: |

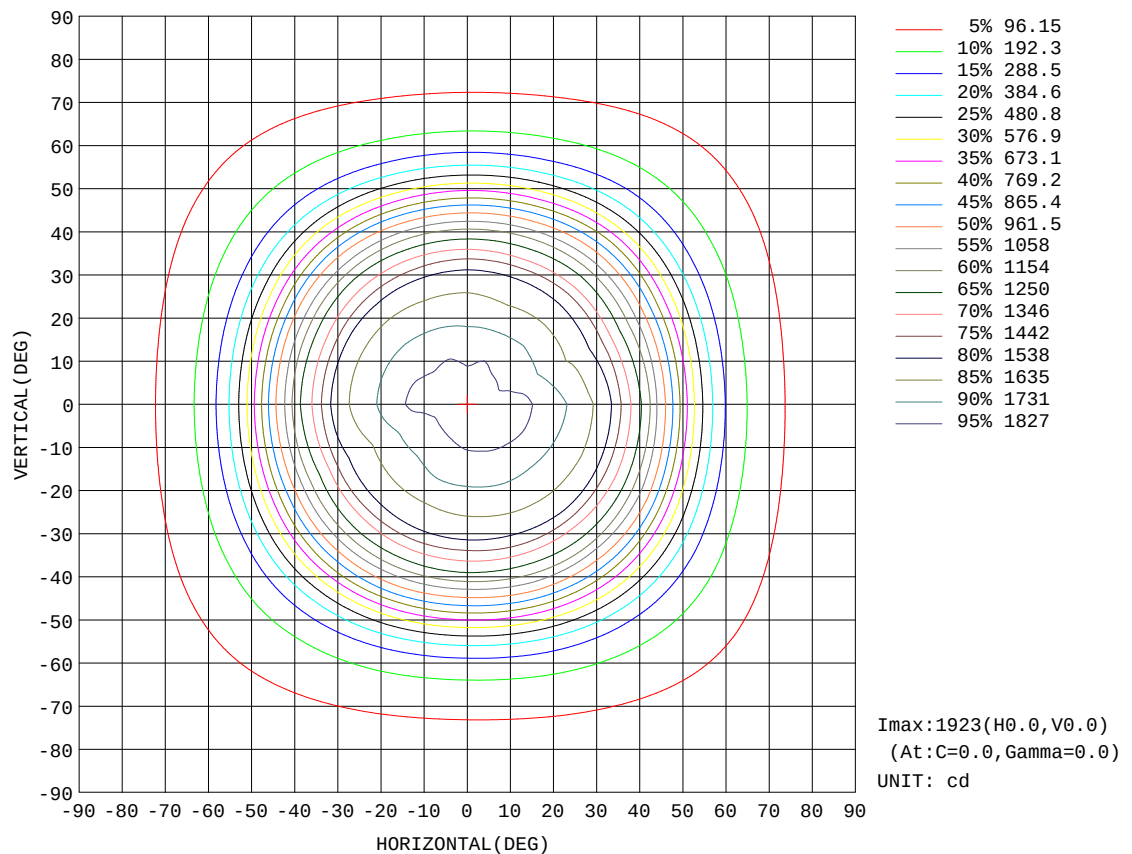
| REFLECTANCE                      |                                                     |     |           |     |     |     |     |               |     |        |
|----------------------------------|-----------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| 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                         | 67                                                  | 57  | 51        | 66  | 57  | 51  | 65  | 57            | 51  | 46     |
| 0.80                             | 77                                                  | 68  | 62        | 76  | 67  | 61  | 74  | 66            | 61  | 55     |
| 1.00                             | 85                                                  | 76  | 70        | 84  | 75  | 70  | 82  | 76            | 69  | 63     |
| 1.25                             | 91                                                  | 83  | 77        | 90  | 82  | 77  | 87  | 81            | 76  | 70     |
| 1.50                             | 95                                                  | 88  | 82        | 94  | 87  | 82  | 91  | 85            | 81  | 74     |
| 2.00                             | 101                                                 | 94  | 89        | 99  | 93  | 88  | 96  | 91            | 87  | 80     |
| 2.50                             | 104                                                 | 98  | 93        | 102 | 96  | 92  | 98  | 94            | 90  | 82     |
| 3.00                             | 106                                                 | 101 | 97        | 104 | 99  | 96  | 100 | 96            | 93  | 85     |
| 4.00                             | 109                                                 | 105 | 101       | 107 | 103 | 100 | 103 | 99            | 97  | 88     |
| 5.00                             | 111                                                 | 107 | 104       | 108 | 105 | 102 | 104 | 101           | 99  | 90     |
| ROOM INDEX                       | UF(total)                                           |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                     |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:  
Test Date:2025-06-24

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
γ Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
Humidity:65.0%  
Test Distance:7.880m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

|                                                                                  |             |                  |
|----------------------------------------------------------------------------------|-------------|------------------|
| Test:U:231.79V I:0.1638A P:37.176W PF:0.9790 Freq:49.99Hz Lamp Flux:3773.31x1 lm |             |                  |
| NAME: SFR006-WHTC3832S01                                                         | TYPE:       | WEIGHT:          |
| SPEC.: white RA80 3000K+5700K                                                    | DIM.:       | SERIAL No.:      |
| MFR.:                                                                            | SUR.: 110mm | Shielding Angle: |



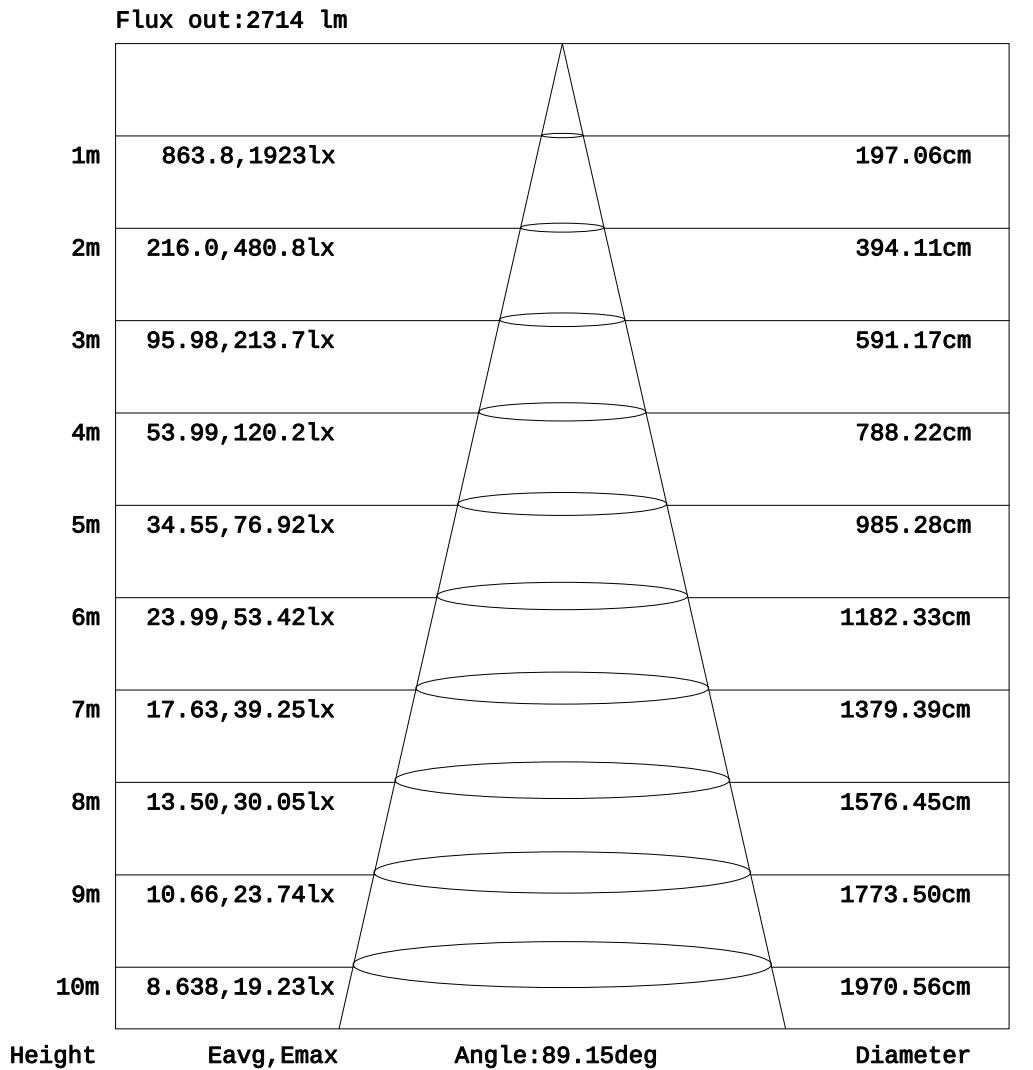
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:  
Test Date:2025-06-24

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
Humidity:65.0%  
Test Distance:7.880m [K=1.0000]  
Remarks:



### AAI Figure

|                                                                                  |             |                  |
|----------------------------------------------------------------------------------|-------------|------------------|
| Test:U:231.79V I:0.1638A P:37.176W PF:0.9790 Freq:49.99Hz Lamp Flux:3773.31x1 lm |             |                  |
| NAME: SFR006-WHTC3832S01                                                         | TYPE:       | WEIGHT:          |
| SPEC.: white RA80 3000K+5700K                                                    | DIM.:       | SERIAL No.:      |
| MFR.:                                                                            | SUR.: 110mm | Shielding Angle: |



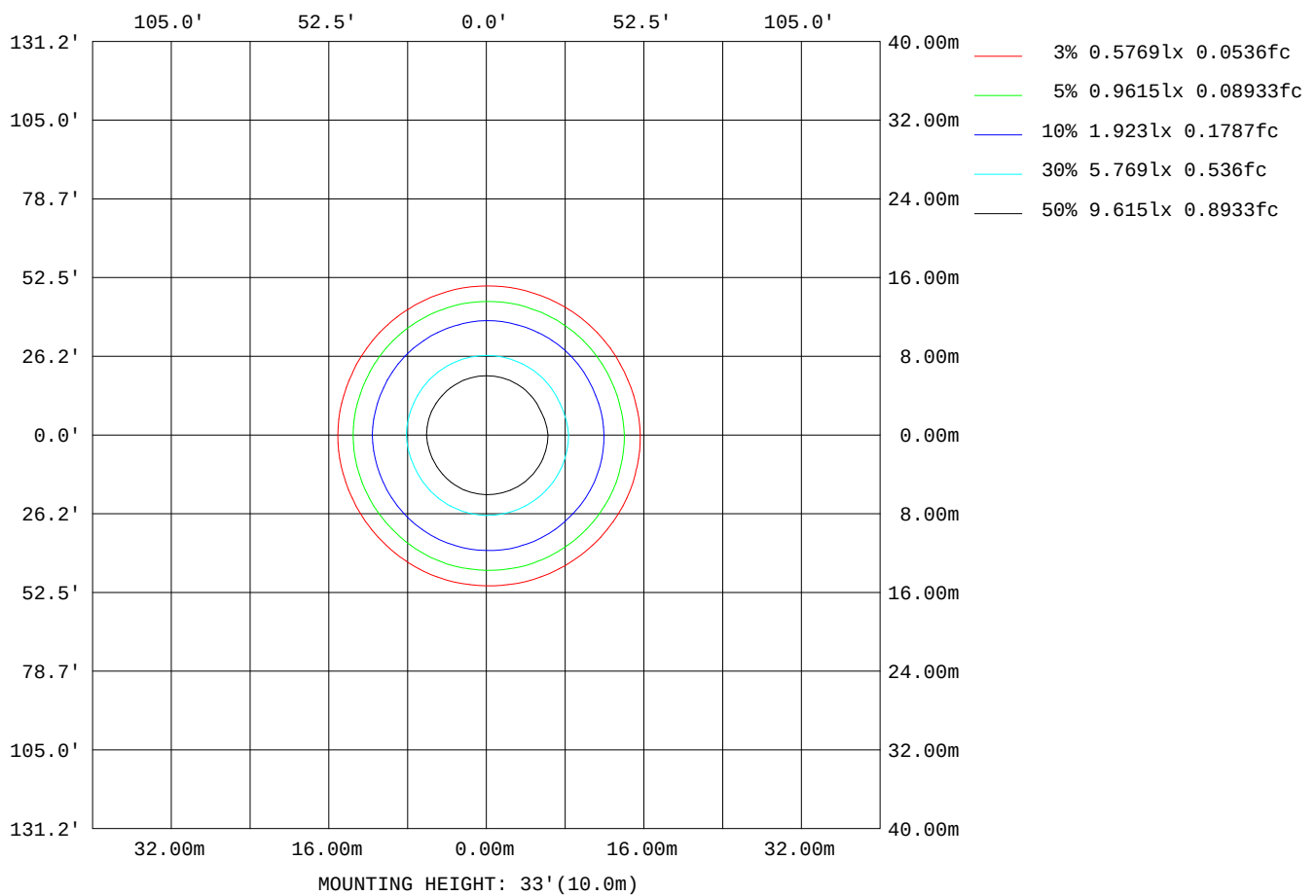
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:  
 Test Date:2025-06-24

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
 Humidity:65.0%  
 Test Distance:7.880m [K=1.0000]  
 Remarks:

### ISOLUX DIAGRAM

|                                                                                  |             |                  |
|----------------------------------------------------------------------------------|-------------|------------------|
| Test:U:231.79V I:0.1638A P:37.176W PF:0.9790 Freq:49.99Hz Lamp Flux:3773.31x1 lm |             |                  |
| NAME: SFR006-WHTC3832S01                                                         | TYPE:       | WEIGHT:          |
| SPEC.: white RA80 3000K+5700K                                                    | DIM.:       | SERIAL No.:      |
| MFR.:                                                                            | SUR.: 110mm | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:  
Test Date:2025-06-24

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
Humidity:65.0%  
Test Distance:7.880m [K=1.0000]  
Remarks:

## LED Avg.L Report

|                                                                                  |             |                  |
|----------------------------------------------------------------------------------|-------------|------------------|
| Test:U:231.79V I:0.1638A P:37.176W PF:0.9790 Freq:49.99Hz Lamp Flux:3773.31x1 lm |             |                  |
| NAME: SFR006-WHTC3832S01                                                         | TYPE:       | WEIGHT:          |
| SPEC.: white RA80 3000K+5700K                                                    | DIM.:       | SERIAL No.:      |
| MFR.:                                                                            | SUR.: 110mm | Shielding Angle: |

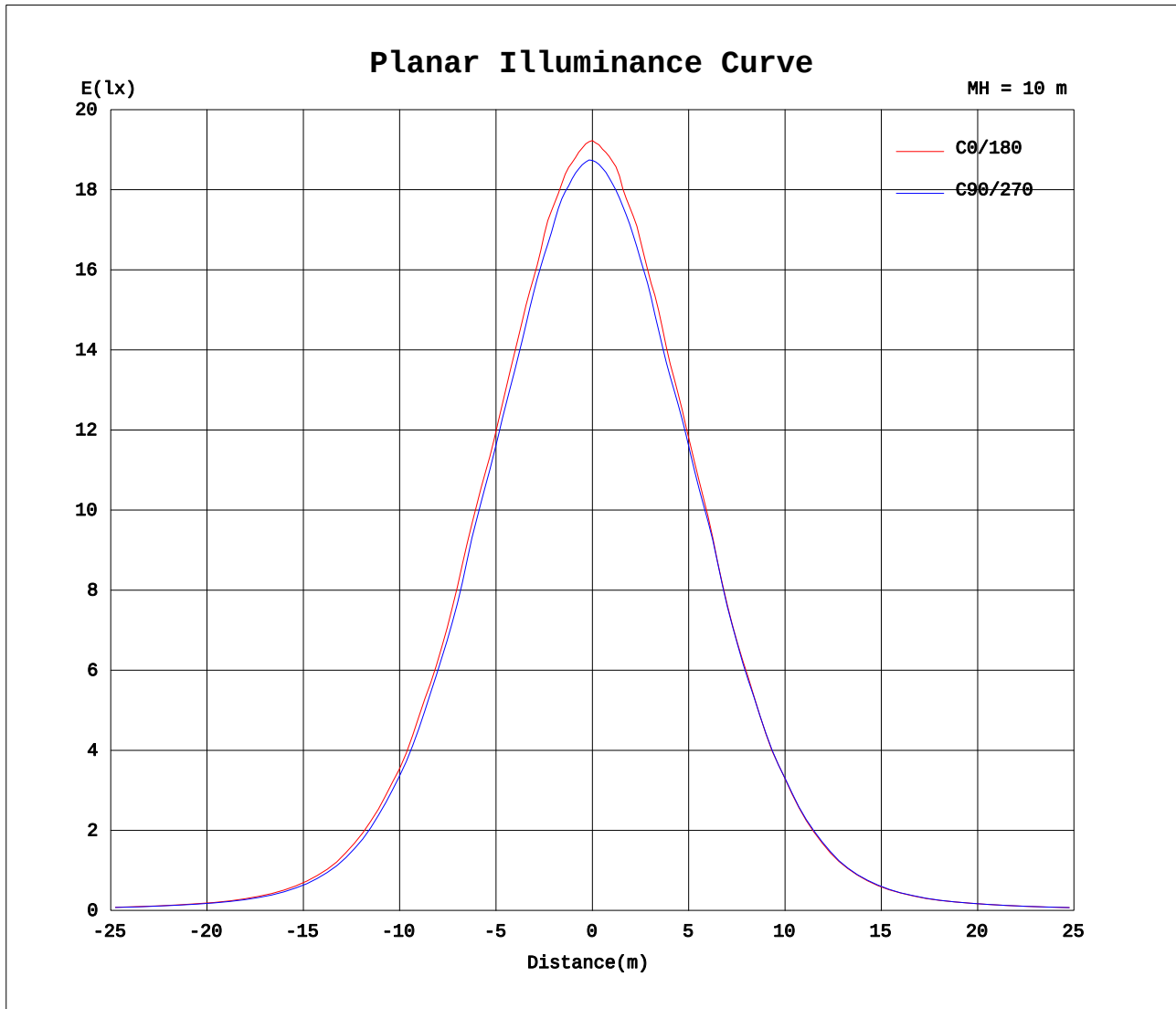
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 45246 |
| L_0~180(75)av  | 32496 |
| L_0~180(85)av  | 25876 |
| L_90~270(65)av | 43802 |
| L_90~270(75)av | 31810 |
| L_90~270(85)av | 25225 |
| L_45(65)av     | 43854 |
| L_45(75)av     | 31730 |
| L_45(85)av     | 25146 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:  
 Test Date:2025-06-24

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
 Humidity:65.0%  
 Test Distance:7.880m [K=1.0000]  
 Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25DEG  
 Operators:  
 Test Date: 2025-06-24

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
 Humidity: 65.0%  
 Test Distance: 7.880m [K=1.0000]  
 Remarks:

### LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |                  |  |  |
|----------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|-------------|--|--|--|--|--|------------------|--|--|
| Test:U:231.79V I:0.1638A P:37.176W PF:0.9790 Freq:49.99Hz Lamp Flux:3773.31x1 lm |  |  |  |  |  |  |  |  |             |  |  |  |  |  |                  |  |  |
| NAME: SFR006-WHTC3832S01                                                         |  |  |  |  |  |  |  |  | TYPE:       |  |  |  |  |  | WEIGHT:          |  |  |
| SPEC.: white RA80 3000K+5700K                                                    |  |  |  |  |  |  |  |  | DIM.:       |  |  |  |  |  | SERIAL No.:      |  |  |
| MFR.:                                                                            |  |  |  |  |  |  |  |  | SUR.: 110mm |  |  |  |  |  | Shielding Angle: |  |  |

Table--1

UNIT: cd

| C(DEG)<br>γ (DEG) | 0    | 22.5 | 45   | 67.5 | 90   | 112.5 | 135  | 157.5 | 180  | 202.5 | 225  | 247.5 | 270  | 292.5 | 315  | 337.5 |  |  |  |
|-------------------|------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|--|--|--|
| 0                 | 1923 | 1908 | 1895 | 1884 | 1873 | 1864  | 1857 | 1851  | 1923 | 1908  | 1895 | 1884  | 1873 | 1864  | 1857 | 1851  |  |  |  |
| 5                 | 1902 | 1893 | 1884 | 1879 | 1863 | 1848  | 1843 | 1834  | 1905 | 1883  | 1871 | 1866  | 1850 | 1850  | 1851 | 1839  |  |  |  |
| 10                | 1875 | 1864 | 1855 | 1844 | 1836 | 1814  | 1805 | 1798  | 1861 | 1851  | 1835 | 1835  | 1818 | 1833  | 1815 | 1815  |  |  |  |
| 15                | 1829 | 1819 | 1807 | 1788 | 1784 | 1768  | 1757 | 1758  | 1817 | 1800  | 1796 | 1789  | 1773 | 1771  | 1775 | 1767  |  |  |  |
| 20                | 1774 | 1761 | 1742 | 1731 | 1716 | 1708  | 1688 | 1688  | 1753 | 1740  | 1728 | 1710  | 1698 | 1706  | 1713 | 1698  |  |  |  |
| 25                | 1701 | 1697 | 1675 | 1662 | 1652 | 1632  | 1624 | 1615  | 1680 | 1653  | 1654 | 1649  | 1647 | 1629  | 1646 | 1633  |  |  |  |
| 30                | 1626 | 1616 | 1594 | 1581 | 1570 | 1560  | 1544 | 1537  | 1585 | 1578  | 1559 | 1558  | 1558 | 1558  | 1561 | 1562  |  |  |  |
| 35                | 1471 | 1460 | 1443 | 1420 | 1395 | 1383  | 1354 | 1346  | 1389 | 1372  | 1371 | 1376  | 1382 | 1381  | 1398 | 1407  |  |  |  |
| 40                | 1264 | 1262 | 1246 | 1227 | 1210 | 1190  | 1164 | 1152  | 1189 | 1168  | 1168 | 1176  | 1185 | 1188  | 1202 | 1201  |  |  |  |
| 45                | 1003 | 1022 | 993  | 984  | 952  | 942   | 916  | 903   | 932  | 911   | 917  | 919   | 934  | 941   | 960  | 970   |  |  |  |
| 50                | 731  | 733  | 716  | 699  | 674  | 659   | 633  | 627   | 639  | 622   | 627  | 630   | 650  | 653   | 680  | 693   |  |  |  |
| 55                | 463  | 469  | 455  | 441  | 425  | 411   | 395  | 390   | 393  | 384   | 387  | 391   | 401  | 407   | 423  | 434   |  |  |  |
| 60                | 284  | 288  | 278  | 273  | 261  | 255   | 246  | 240   | 242  | 237   | 239  | 241   | 247  | 252   | 263  | 267   |  |  |  |
| 65                | 191  | 192  | 187  | 185  | 179  | 177   | 171  | 169   | 172  | 168   | 168  | 169   | 172  | 174   | 178  | 181   |  |  |  |
| 70                | 133  | 135  | 132  | 130  | 127  | 124   | 119  | 116   | 118  | 115   | 115  | 116   | 118  | 120   | 123  | 125   |  |  |  |
| 75                | 84.8 | 85.4 | 84.1 | 83.5 | 81.3 | 79.8  | 76.4 | 74.3  | 75.0 | 72.8  | 73.3 | 73.7  | 75.1 | 75.8  | 78.3 | 79.8  |  |  |  |
| 80                | 56.4 | 57.0 | 55.9 | 55.3 | 53.9 | 53.3  | 51.4 | 49.9  | 50.3 | 48.5  | 49.1 | 49.4  | 50.9 | 51.4  | 53.3 | 53.6  |  |  |  |
| 85                | 23.1 | 23.3 | 22.3 | 21.7 | 20.4 | 20.2  | 19.1 | 19.0  | 19.8 | 18.9  | 19.8 | 20.0  | 21.3 | 21.1  | 22.1 | 21.9  |  |  |  |
| 90                | 0.73 | 0.74 | 0.72 | 0.74 | 0.72 | 0.77  | 0.74 | 0.79  | 0.93 | 0.91  | 0.92 | 0.90  | 1.44 | 0.88  | 0.83 | 0.79  |  |  |  |
| 95                | 1.14 | 1.14 | 1.11 | 1.16 | 1.14 | 1.20  | 1.19 | 1.26  | 1.47 | 1.44  | 1.44 | 1.39  | 2.06 | 1.35  | 1.31 | 1.23  |  |  |  |
| 100               | 1.74 | 1.72 | 1.70 | 1.74 | 1.73 | 1.80  | 1.81 | 1.88  | 2.21 | 2.17  | 2.16 | 2.10  | 2.82 | 2.03  | 1.94 | 1.87  |  |  |  |
| 105               | 2.60 | 2.56 | 2.52 | 2.57 | 2.59 | 2.65  | 2.69 | 2.77  | 3.23 | 3.17  | 3.15 | 3.06  | 3.82 | 2.96  | 2.84 | 2.75  |  |  |  |
| 110               | 3.71 | 3.63 | 3.60 | 3.65 | 3.71 | 3.76  | 3.83 | 3.93  | 4.56 | 4.47  | 4.43 | 4.36  | 5.17 | 4.17  | 4.00 | 3.91  |  |  |  |
| 115               | 5.17 | 5.05 | 5.02 | 5.07 | 5.16 | 5.22  | 5.35 | 5.47  | 6.24 | 6.16  | 6.07 | 6.02  | 6.95 | 5.80  | 5.56 | 5.42  |  |  |  |
| 120               | 7.01 | 6.86 | 6.81 | 6.87 | 7.00 | 7.08  | 7.24 | 7.40  | 8.35 | 8.22  | 8.04 | 7.98  | 9.13 | 7.75  | 7.39 | 7.25  |  |  |  |
| 125               | 9.22 | 8.98 | 8.93 | 8.98 | 9.14 | 9.23  | 9.44 | 9.60  | 10.7 | 10.5  | 10.3 | 10.2  | 11.4 | 9.85  | 9.50 | 9.37  |  |  |  |
| 130               | 11.5 | 11.2 | 11.2 | 11.2 | 11.5 | 11.5  | 11.7 | 11.9  | 13.1 | 12.9  | 12.6 | 12.4  | 13.4 | 12.0  | 11.6 | 11.5  |  |  |  |
| 135               | 13.7 | 13.4 | 13.4 | 13.4 | 13.7 | 13.7  | 13.9 | 14.0  | 15.4 | 15.1  | 14.8 | 14.4  | 14.6 | 14.0  | 13.7 | 13.6  |  |  |  |
| 140               | 15.7 | 15.4 | 15.4 | 15.5 | 15.8 | 15.7  | 15.9 | 16.0  | 17.4 | 17.1  | 16.7 | 16.4  | 16.4 | 15.9  | 15.6 | 15.5  |  |  |  |
| 145               | 17.3 | 17.0 | 17.1 | 17.2 | 17.7 | 17.4  | 17.5 | 17.6  | 19.0 | 18.6  | 18.5 | 18.0  | 18.2 | 17.5  | 17.4 | 17.0  |  |  |  |
| 150               | 18.7 | 18.4 | 18.5 | 18.7 | 19.1 | 18.8  | 18.9 | 18.9  | 20.3 | 19.9  | 20.1 | 19.4  | 19.5 | 18.8  | 19.0 | 18.4  |  |  |  |
| 155               | 20.1 | 19.9 | 19.8 | 20.1 | 20.4 | 20.3  | 20.1 | 20.3  | 21.7 | 21.2  | 21.3 | 21.0  | 21.0 | 20.4  | 20.2 | 19.7  |  |  |  |
| 160               | 21.3 | 21.2 | 21.1 | 21.6 | 21.8 | 21.6  | 21.3 | 21.6  | 22.8 | 22.3  | 22.3 | 22.3  | 22.4 | 21.7  | 21.3 | 20.8  |  |  |  |
| 165               | 22.7 | 22.5 | 22.6 | 22.9 | 23.0 | 22.9  | 22.7 | 22.9  | 24.0 | 23.6  | 23.4 | 23.4  | 23.4 | 22.9  | 22.4 | 22.1  |  |  |  |
| 170               | 23.9 | 23.8 | 24.0 | 24.4 | 24.1 | 24.0  | 23.9 | 24.2  | 25.0 | 25.0  | 24.7 | 24.2  | 24.1 | 23.8  | 23.5 | 23.4  |  |  |  |
| 175               | 25.1 | 25.2 | 25.4 | 25.3 | 24.8 | 24.8  | 25.1 | 25.1  | 25.8 | 26.0  | 25.9 | 25.2  | 24.8 | 24.7  | 24.8 | 24.5  |  |  |  |
| 180               | 26.1 | 26.3 | 26.4 | 25.9 | 25.4 | 25.4  | 25.6 | 25.4  | 26.3 | 26.2  | 26.5 | 25.7  | 25.5 | 25.3  | 25.7 | 25.3  |  |  |  |

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:  
Test Date:2025-06-24

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
Humidity:65.0%  
Test Distance:7.880m [K=1.0000]  
Remarks: