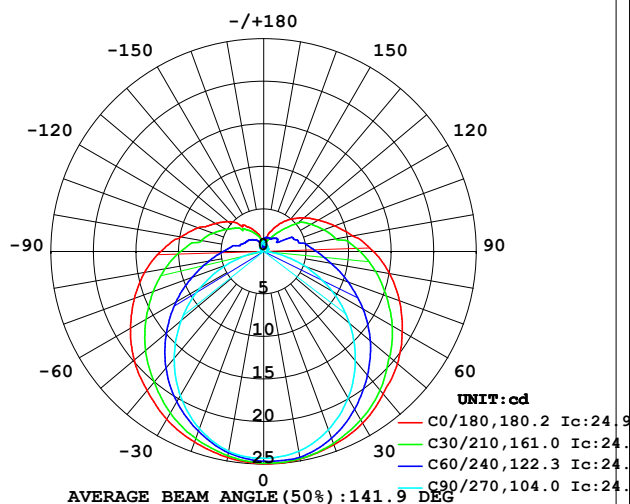


## LUMINAIRE PHOTOMETRIC TEST REPORT

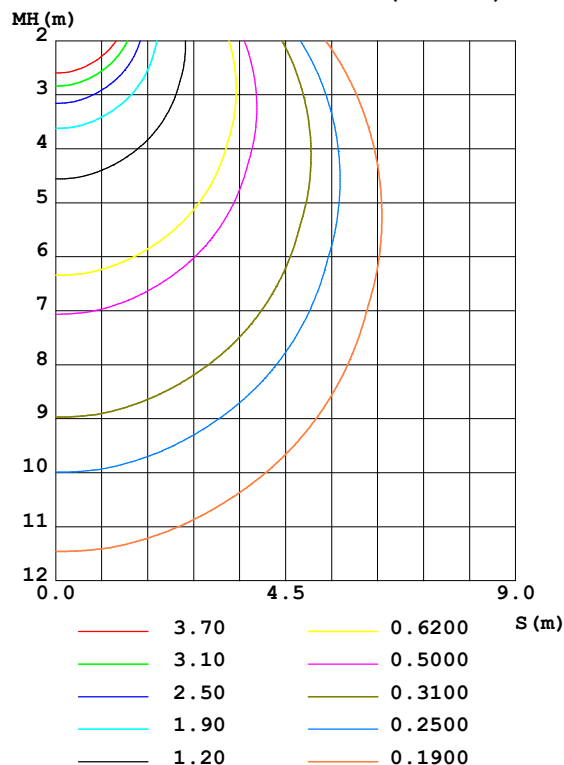
|   |                   |                       |
|---|-------------------|-----------------------|
| Test:U:12.00V I:0.3907A P:4.688W PF:1.000 Freq:50.00Hz Lamp Flux:119.175x1 lm |                   |                       |
| NAME: SF21-12V-3528-72-2700-80  | TYPE: 硅胶          | WEIGHT:               |
| SPEC.:  | DIM.: 28mm*11.5mm | SERIAL No.:2021120601 |
| MFR.: OLYMPIA   | SUR.:1*0.016      | Shielding Angle:      |

| DATA OF LAMP      |         | PHOTOMETRIC DATA Eff: 25.42 lm/W |         |                     |            |
|-------------------|---------|----------------------------------|---------|---------------------|------------|
| MODEL             | 3528    | I <sub>max</sub> (cd)            | 24.96   | S/MH (C0/180)       | 1.37       |
| NOMINAL POWER (W) | 5       | LOR (%)                          | 100.0   | S/MH (C90/270)      | 1.21       |
| RATED VOLTAGE (V) | 12      | TOTAL FLUX (lm)                  | 119.18  | η UP, DN (C0-180)   | 10.5, 38.5 |
| NOMINAL FLUX (lm) | 119.175 | CIE CLASS                        | SEMI-D. | η UP, DN (C180-360) | 11.4, 39.6 |
| LAMPS INSIDE      | 1       | η up (%)                         | 21.9    | CIBSE SHR NOM       | 1.50       |
| TEST VOLTAGE (V)  | 12      | η down (%)                       | 78.1    | CIBSE SHR MAX       | 1.55       |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: LPC  
Test Date: 2021-12-06

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 9.200m [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       | 24.77                 | 24.64  | 23.85  | 23.50  | 24.58  | 24.20  | 23.83  | 24.36 | 0- 10    | 2.327       | 2.327        | 1.95,1.95  |
| 20       | 24.17                 | 23.69  | 22.29  | 22.10  | 23.83  | 22.94  | 22.15  | 23.65 | 10- 20   | 6.702       | 9.029        | 7.58,7.58  |
| 30       | 23.30                 | 22.13  | 19.88  | 20.13  | 22.79  | 21.18  | 19.60  | 22.33 | 20- 30   | 10.30       | 19.33        | 16.2,16.2  |
| 40       | 21.84                 | 20.14  | 16.78  | 17.89  | 21.34  | 18.96  | 16.38  | 20.67 | 30- 40   | 12.78       | 32.11        | 26.9,26.9  |
| 50       | 20.52                 | 17.84  | 13.18  | 15.39  | 19.87  | 16.54  | 12.66  | 18.59 | 40- 50   | 14.01       | 46.12        | 38.7,38.7  |
| 60       | 18.81                 | 15.46  | 9.264  | 12.79  | 18.08  | 13.93  | 8.682  | 16.23 | 50- 60   | 13.99       | 60.12        | 50.4,50.4  |
| 70       | 16.98                 | 12.98  | 5.243  | 10.28  | 16.19  | 11.40  | 4.657  | 13.89 | 60- 70   | 12.87       | 72.99        | 61.2,61.2  |
| 80       | 15.02                 | 10.69  | 1.651  | 8.114  | 14.21  | 9.161  | 1.254  | 11.65 | 70- 80   | 11.04       | 84.03        | 70.5,70.5  |
| 90       | 12.90                 | 8.770  | 0.3674 | 6.350  | 12.10  | 7.272  | 0.2482 | 9.745 | 80- 90   | 9.070       | 93.10        | 78.1,78.1  |
| 100      | 10.64                 | 6.803  | 0.4022 | 4.898  | 9.889  | 5.594  | 0.2829 | 7.705 | 90-100   | 7.393       | 100.5        | 84.3,84.3  |
| 110      | 8.872                 | 5.783  | 0.4675 | 3.847  | 8.205  | 4.488  | 0.2945 | 6.554 | 100-110  | 5.714       | 106.2        | 89.1,89.1  |
| 120      | 7.409                 | 4.558  | 0.5378 | 3.084  | 6.588  | 3.774  | 0.3566 | 5.274 | 110-120  | 4.478       | 110.7        | 92.9,92.9  |
| 130      | 6.163                 | 3.690  | 0.6031 | 2.621  | 5.467  | 3.207  | 0.5176 | 4.534 | 120-130  | 3.325       | 114.0        | 95.7,95.7  |
| 140      | 4.957                 | 2.646  | 0.6553 | 2.058  | 3.847  | 2.621  | 0.6784 | 3.359 | 130-140  | 2.337       | 116.3        | 97.6,97.6  |
| 150      | 3.735                 | 1.874  | 0.7589 | 1.460  | 3.236  | 2.083  | 0.8493 | 2.616 | 140-150  | 1.479       | 117.8        | 98.9,98.9  |
| 160      | 2.559                 | 1.595  | 0.8494 | 0.9547 | 2.296  | 1.525  | 0.9599 | 2.153 | 150-160  | 0.8477      | 118.7        | 99.6,99.6  |
| 170      | 1.096                 | 1.440  | 0.8573 | 0.6638 | 1.005  | 0.8994 | 1.081  | 1.946 | 160-170  | 0.3978      | 119.1        | 99.9,99.9  |
| 180      | 0.6031                | 0.5830 | 0.8142 | 1.111  | 0.6031 | 0.5855 | 1.236  | 1.106 | 170-180  | 0.1046      | 119.2        | 100,100    |
| DEG      | LUMINOUS INTENSITY:cd |        |        |        |        |        |        |       |          | UNIT:lm     |              |            |

Conical surface Flux(90deg): 39.043 lm

%lum = 32.8%

%lamp = 32.8%

Conical surface Flux(120deg): 60.117 lm

%lum = 50.4%

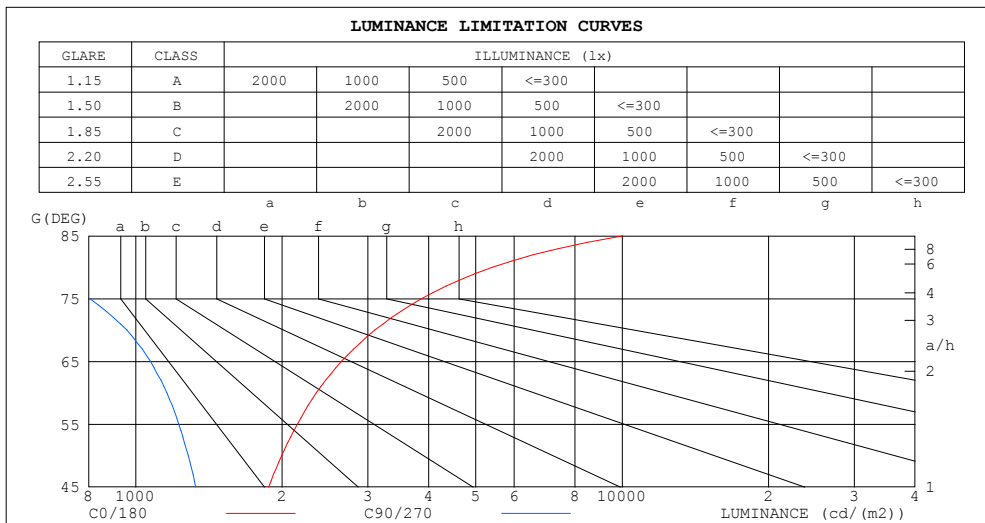
%lamp = 50.4%

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LPC  
 Test Date:2021-12-06

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:9.200m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

|   |                   |                       |
|---|-------------------|-----------------------|
| Test:U:12.00V I:0.3907A P:4.688W PF:1.000 Freq:50.00Hz Lamp Flux:119.175x1 lm |                   |                       |
| NAME: SF21-12V-3528-72-2700-80  | TYPE: 硅胶          | WEIGHT:               |
| SPEC.:  | DIM.: 28mm*11.5mm | SERIAL No.:2021120601 |
| MFR.: OLYMPIA   | SUR.:1*0.016      | Shielding Angle:      |



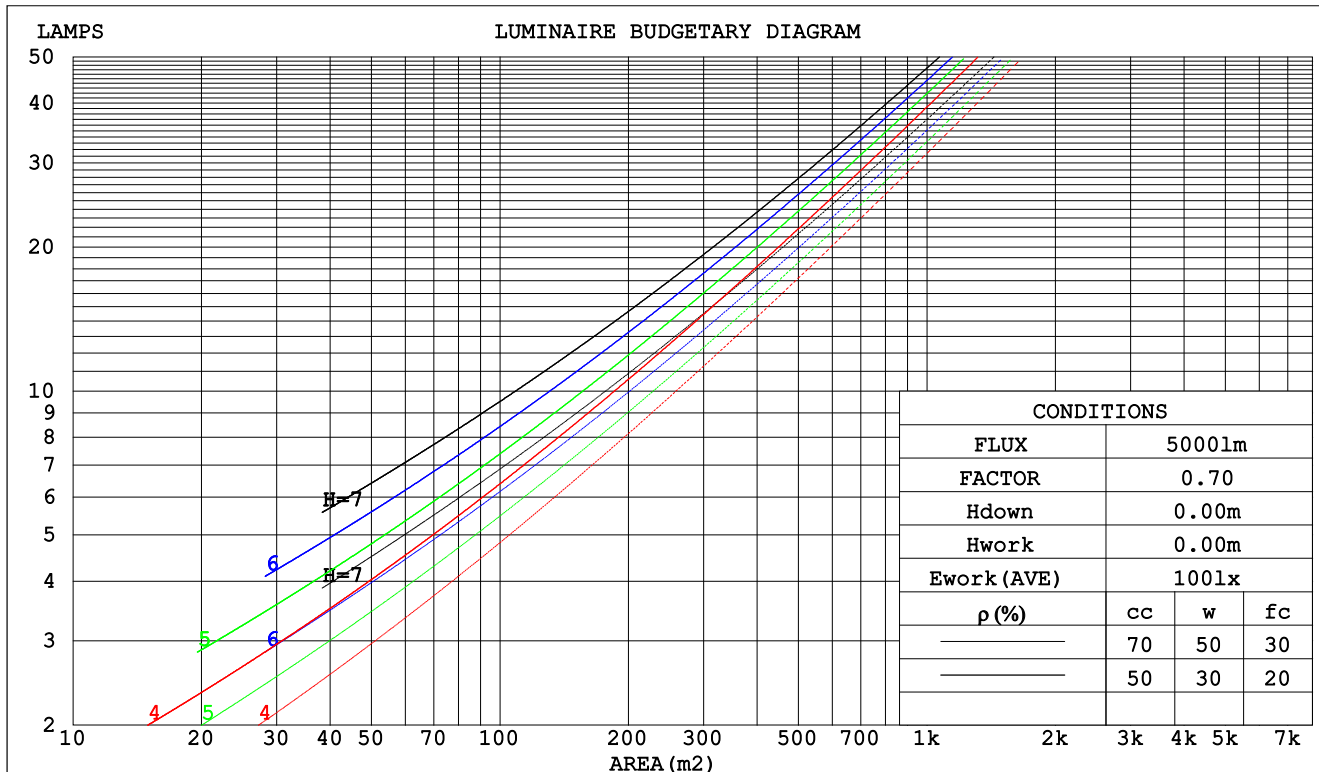
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-12-06

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|   |                   |                       |
|---|-------------------|-----------------------|
| Test:U:12.00V I:0.3907A P:4.688W PF:1.000 Freq:50.00Hz Lamp Flux:119.175x1 lm |                   |                       |
| NAME: SF21-12V-3528-72-2700-80  | TYPE: 硅胶          | WEIGHT:               |
| SPEC.:  | DIM.: 28mm*11.5mm | SERIAL No.:2021120601 |
| MFR.: OLYMPIA   | SUR.:1*0.016      | Shielding Angle:      |

| 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 |      |      |      |      |      | Coefficients of Utilization(CU) |     |     |     |     |     |     |     |     |     |
| 0.0  | 1.14                  | 1.14 | 1.14 | 1.09 | 1.09 | 1.09 | .99                             | .99 | .99 | .90 | .90 | .90 | .82 | .82 | .82 | .78 |
| 1.0  | .95                   | .89  | .85  | .90  | .85  | .81  | .82                             | .78 | .74 | .74 | .71 | .68 | .67 | .65 | .62 | .59 |
| 2.0  | .81                   | .73  | .67  | .77  | .70  | .64  | .70                             | .64 | .59 | .63 | .59 | .55 | .57 | .54 | .50 | .47 |
| 3.0  | .70                   | .61  | .54  | .67  | .59  | .52  | .61                             | .54 | .48 | .55 | .50 | .45 | .50 | .45 | .41 | .38 |
| 4.0  | .62                   | .52  | .45  | .59  | .50  | .44  | .53                             | .46 | .41 | .49 | .43 | .38 | .44 | .39 | .35 | .32 |
| 5.0  | .55                   | .45  | .38  | .52  | .44  | .37  | .48                             | .40 | .35 | .43 | .37 | .32 | .39 | .34 | .30 | .27 |
| 6.0  | .49                   | .40  | .33  | .47  | .38  | .32  | .43                             | .35 | .30 | .39 | .33 | .28 | .35 | .30 | .26 | .23 |
| 7.0  | .44                   | .35  | .29  | .42  | .34  | .28  | .39                             | .32 | .26 | .35 | .29 | .25 | .32 | .27 | .23 | .21 |
| 8.0  | .40                   | .31  | .25  | .38  | .30  | .25  | .35                             | .28 | .23 | .32 | .26 | .22 | .30 | .24 | .20 | .18 |
| 9.0  | .37                   | .28  | .23  | .35  | .27  | .22  | .32                             | .26 | .21 | .30 | .24 | .20 | .27 | .22 | .18 | .16 |
| 10.0 | .34                   | .26  | .20  | .32  | .25  | .20  | .30                             | .23 | .19 | .28 | .22 | .18 | .25 | .20 | .17 | .15 |



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LPC  
 Test Date:2021-12-06

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:9.200m [K=1.0000]  
 Remarks:

## WEC AND CCEC

|   |                   |                       |
|---|-------------------|-----------------------|
| Test:U:12.00V I:0.3907A P:4.688W PF:1.000 Freq:50.00Hz Lamp Flux:119.175x1 lm |                   |                       |
| NAME: SF21-12V-3528-72-2700-80  | TYPE: 硅胶          | WEIGHT:               |
| SPEC.:  | DIM.: 28mm*11.5mm | SERIAL No.:2021120601 |
| MFR.: OLYMPIA   | SUR.:1*0.016      | Shielding Angle:      |

| 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  | .385                  | .219 | .069 | .371 | .212 | .067 | .345                            | .198 | .063 | .321 | .185 | .059 | .299 | .173 | .056 |   |  |
| 2.0  | .332                  | .182 | .056 | .320 | .176 | .054 | .296                            | .165 | .051 | .274 | .154 | .048 | .254 | .144 | .045 |   |  |
| 3.0  | .295                  | .157 | .047 | .283 | .152 | .046 | .262                            | .142 | .043 | .242 | .133 | .041 | .224 | .124 | .038 |   |  |
| 4.0  | .265                  | .138 | .040 | .255 | .133 | .039 | .235                            | .125 | .037 | .217 | .117 | .035 | .201 | .109 | .033 |   |  |
| 5.0  | .241                  | .123 | .036 | .231 | .119 | .035 | .214                            | .111 | .033 | .197 | .104 | .031 | .182 | .097 | .029 |   |  |
| 6.0  | .221                  | .111 | .032 | .212 | .107 | .031 | .196                            | .100 | .029 | .181 | .094 | .028 | .167 | .088 | .026 |   |  |
| 7.0  | .203                  | .101 | .029 | .196 | .097 | .028 | .181                            | .091 | .026 | .167 | .086 | .025 | .154 | .080 | .024 |   |  |
| 8.0  | .189                  | .092 | .026 | .181 | .089 | .025 | .168                            | .084 | .024 | .155 | .079 | .023 | .143 | .073 | .021 |   |  |
| 9.0  | .176                  | .085 | .024 | .169 | .082 | .023 | .157                            | .077 | .022 | .145 | .073 | .021 | .134 | .068 | .020 |   |  |
| 10.0 | .164                  | .079 | .022 | .158 | .077 | .021 | .147                            | .072 | .020 | .136 | .067 | .019 | .125 | .063 | .018 |   |  |

| 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  | .357                  | .357 | .357 | .305 | .305 | .305 | .208                                       | .208 | .208 | .120 | .120 | .120 | .038 | .038 | .038 |   |
| 1.0  | .354                  | .324 | .296 | .303 | .278 | .255 | .207                                       | .191 | .176 | .119 | .111 | .103 | .038 | .036 | .033 |   |
| 2.0  | .347                  | .301 | .262 | .297 | .259 | .227 | .204                                       | .179 | .158 | .117 | .104 | .093 | .038 | .034 | .030 |   |
| 3.0  | .339                  | .285 | .241 | .291 | .245 | .209 | .200                                       | .171 | .147 | .115 | .100 | .086 | .037 | .032 | .028 |   |
| 4.0  | .332                  | .272 | .227 | .285 | .235 | .197 | .196                                       | .164 | .139 | .113 | .096 | .082 | .036 | .031 | .027 |   |
| 5.0  | .324                  | .262 | .217 | .278 | .227 | .189 | .192                                       | .159 | .133 | .111 | .093 | .079 | .036 | .030 | .026 |   |
| 6.0  | .317                  | .255 | .210 | .272 | .220 | .183 | .188                                       | .154 | .129 | .109 | .091 | .077 | .035 | .030 | .025 |   |
| 7.0  | .310                  | .248 | .205 | .266 | .215 | .179 | .184                                       | .151 | .127 | .107 | .089 | .075 | .035 | .029 | .025 |   |
| 8.0  | .303                  | .243 | .201 | .261 | .210 | .175 | .180                                       | .148 | .124 | .105 | .087 | .074 | .034 | .029 | .025 |   |
| 9.0  | .297                  | .238 | .198 | .256 | .206 | .173 | .177                                       | .145 | .123 | .103 | .086 | .073 | .033 | .028 | .024 |   |
| 10.0 | .291                  | .234 | .196 | .251 | .203 | .171 | .174                                       | .143 | .121 | .101 | .084 | .072 | .033 | .028 | .024 |   |

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-12-06

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:

UGR(Unified Glare Rating) Table

|   |               |                  |      |      |      |                   |                |      |                       |      |      |
|---|---------------|------------------|------|------|------|-------------------|----------------|------|-----------------------|------|------|
| Test:U:12.00V I:0.3907A P:4.688W PF:1.000 Freq:50.00Hz Lamp Flux:119.175x1 lm |               |                  |      |      |      |                   |                |      |                       |      |      |
| NAME: SF21-12V-3528-72-2700-80  |               |                  |      |      |      | TYPE:硅胶           |                |      | WEIGHT:               |      |      |
| SPEC.:  |               |                  |      |      |      | DIM.: 28mm*11.5mm |                |      | SERIAL No.:2021120601 |      |      |
| MFR.: OLYMPIA   |               |                  |      |      |      | SUR.:1*0.016      |                |      | 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   | 2H            | 22.2             | 23.5 | 22.7 | 24.1 | 24.7              | 19.7           | 21.0 | 20.2                  | 21.5 | 22.2 |
|   | 3H            | 24.9             | 26.2 | 25.5 | 26.8 | 27.4              | 21.1           | 22.3 | 21.7                  | 22.9 | 23.6 |
|   | 4H            | 26.5             | 27.7 | 27.1 | 28.3 | 29.0              | 21.6           | 22.8 | 22.2                  | 23.4 | 24.1 |
|   | 6H            | 28.2             | 29.3 | 28.8 | 29.9 | 30.7              | 22.0           | 23.0 | 22.6                  | 23.7 | 24.4 |
|   | 8H            | 29.2             | 30.2 | 29.8 | 30.9 | 31.6              | 22.0           | 23.1 | 22.7                  | 23.7 | 24.5 |
|   | 12H           | 30.3             | 31.3 | 30.9 | 31.9 | 32.7              | 22.0           | 23.1 | 22.7                  | 23.7 | 24.5 |
| 4H  | 2H            | 22.7             | 23.9 | 23.3 | 24.5 | 25.2              | 21.0           | 22.1 | 21.6                  | 22.7 | 23.4 |
|   | 3H            | 25.8             | 26.8 | 26.4 | 27.4 | 28.2              | 22.7           | 23.8 | 23.4                  | 24.4 | 25.2 |
|   | 4H            | 27.5             | 28.5 | 28.2 | 29.1 | 29.9              | 23.5           | 24.5 | 24.2                  | 25.1 | 25.9 |
|   | 6H            | 29.5             | 30.3 | 30.2 | 31.0 | 31.8              | 24.1           | 25.0 | 24.8                  | 25.7 | 26.5 |
|   | 8H            | 30.5             | 31.3 | 31.2 | 32.0 | 32.9              | 24.3           | 25.1 | 25.1                  | 25.8 | 26.7 |
|   | 12H           | 31.8             | 32.5 | 32.5 | 33.2 | 34.1              | 24.5           | 25.2 | 25.2                  | 25.9 | 26.8 |
| 8H  | 4H            | 27.9             | 28.7 | 28.6 | 29.4 | 30.2              | 24.8           | 25.6 | 25.5                  | 26.3 | 27.1 |
|   | 6H            | 30.1             | 30.8 | 30.9 | 31.5 | 32.4              | 25.9           | 26.6 | 26.6                  | 27.3 | 28.2 |
|   | 8H            | 31.4             | 32.0 | 32.2 | 32.8 | 33.7              | 26.4           | 27.0 | 27.1                  | 27.7 | 28.6 |
|   | 12H           | 32.9             | 33.5 | 33.7 | 34.2 | 35.1              | 26.8           | 27.3 | 27.5                  | 28.0 | 29.0 |
| 12H   | 4H            | 27.9             | 28.6 | 28.6 | 29.3 | 30.2              | 25.2           | 26.0 | 26.0                  | 26.7 | 27.5 |
|   | 6H            | 30.3             | 30.9 | 31.0 | 31.6 | 32.5              | 26.6           | 27.2 | 27.3                  | 27.9 | 28.8 |
|   | 8H            | 31.7             | 32.2 | 32.5 | 33.0 | 33.9              | 27.3           | 27.8 | 28.0                  | 28.6 | 29.5 |
| Variations with the observer position at spacings:                            |               |                  |      |      |      |                   |                |      |                       |      |      |
| S = 1.0H  | + 0.1 / - 0.1 |                  |      |      |      | + 0.1 / - 0.1     |                |      |                       |      |      |
| 1.5H  | + 0.2 / - 0.3 |                  |      |      |      | + 0.2 / - 0.3     |                |      |                       |      |      |
| 2.0H  | + 0.2 / - 0.3 |                  |      |      |      | + 0.3 / - 0.5     |                |      |                       |      |      |

CIE Pub.117, 119.2 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = -7.4$ )

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LPC  
 Test Date:2021-12-06

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:9.200m [K=1.0000]  
 Remarks:

## UTILIZATION FACTORS TABLE

|   |                   |                       |
|---|-------------------|-----------------------|
| Test:U:12.00V I:0.3907A P:4.688W PF:1.000 Freq:50.00Hz Lamp Flux:119.175x1 lm |                   |                       |
| NAME: SF21-12V-3528-72-2700-80  | TYPE: 硅胶          | WEIGHT:               |
| SPEC.:  | DIM.: 28mm*11.5mm | SERIAL No.:2021120601 |
| MFR.: OLYMPIA   | SUR.:1*0.016      | Shielding Angle:      |

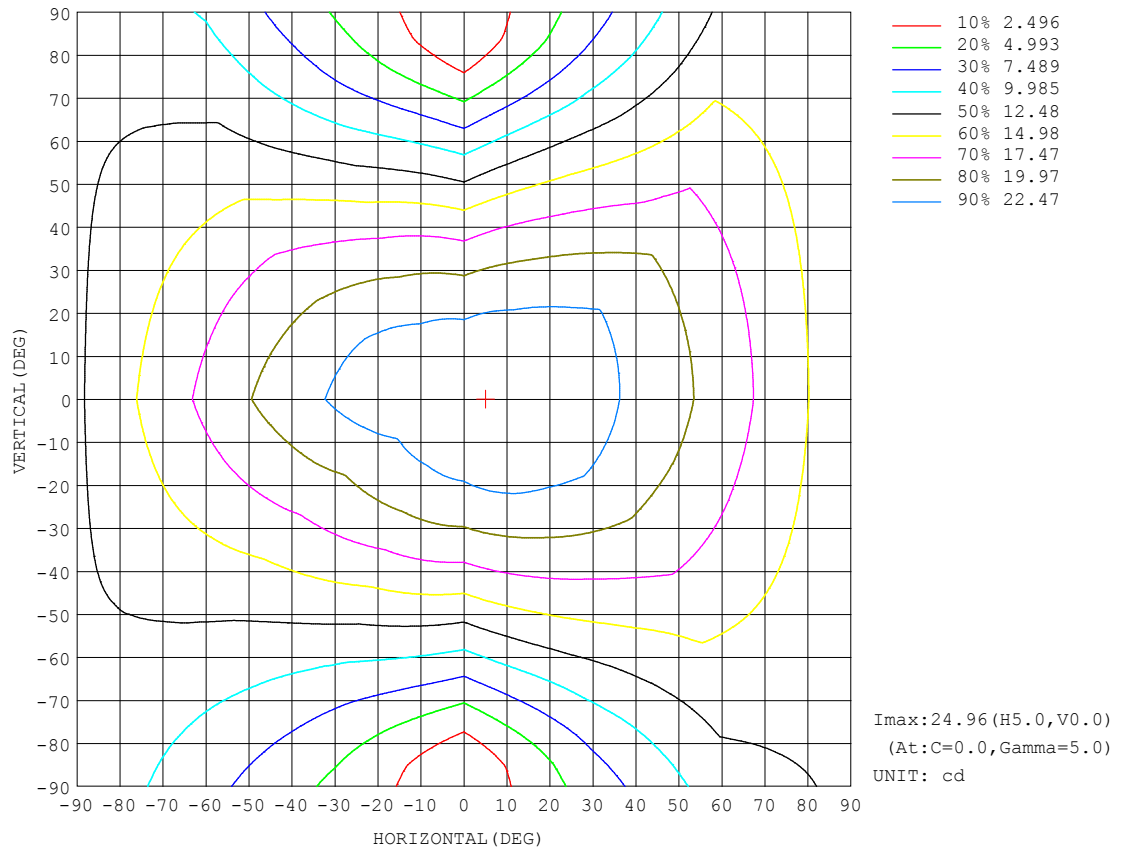
| REFLECTANCE                      |  |     |           |     |     |     |     |               |     |        |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8  | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 47   | 34  | 27        | 45  | 34  | 27  | 43  | 33            | 26  | 19     |
| 0.80                             | 56   | 43  | 35        | 54  | 42  | 34  | 51  | 40            | 33  | 25     |
| 1.00                             | 63   | 50  | 42        | 61  | 49  | 41  | 57  | 49            | 40  | 31     |
| 1.25                             | 70   | 58  | 49        | 68  | 56  | 48  | 63  | 53            | 46  | 36     |
| 1.50                             | 75   | 63  | 54        | 72  | 61  | 53  | 67  | 58            | 51  | 40     |
| 2.00                             | 83   | 71  | 63        | 79  | 69  | 61  | 73  | 65            | 58  | 46     |
| 2.50                             | 87   | 77  | 69        | 84  | 74  | 67  | 77  | 69            | 63  | 49     |
| 3.00                             | 91   | 81  | 74        | 87  | 79  | 72  | 80  | 73            | 67  | 53     |
| 4.00                             | 96   | 88  | 81        | 91  | 84  | 78  | 84  | 78            | 73  | 57     |
| 5.00                             | 99   | 92  | 86        | 94  | 88  | 83  | 86  | 81            | 77  | 60     |
| ROOM INDEX                       | UF (total)   |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |  |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LPC  
 Test Date: 2021-12-06

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity: 65.0%  
 Test Distance: 9.200m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

|   |                   |                       |
|---|-------------------|-----------------------|
| Test:U:12.00V I:0.3907A P:4.688W PF:1.000 Freq:50.00Hz Lamp Flux:119.175x1 lm |                   |                       |
| NAME: SF21-12V-3528-72-2700-80  | TYPE: 硅胶          | WEIGHT:               |
| SPEC.:  | DIM.: 28mm*11.5mm | SERIAL No.:2021120601 |
| MFR.: OLYMPIA   | SUR.:1*0.016      | Shielding Angle:      |



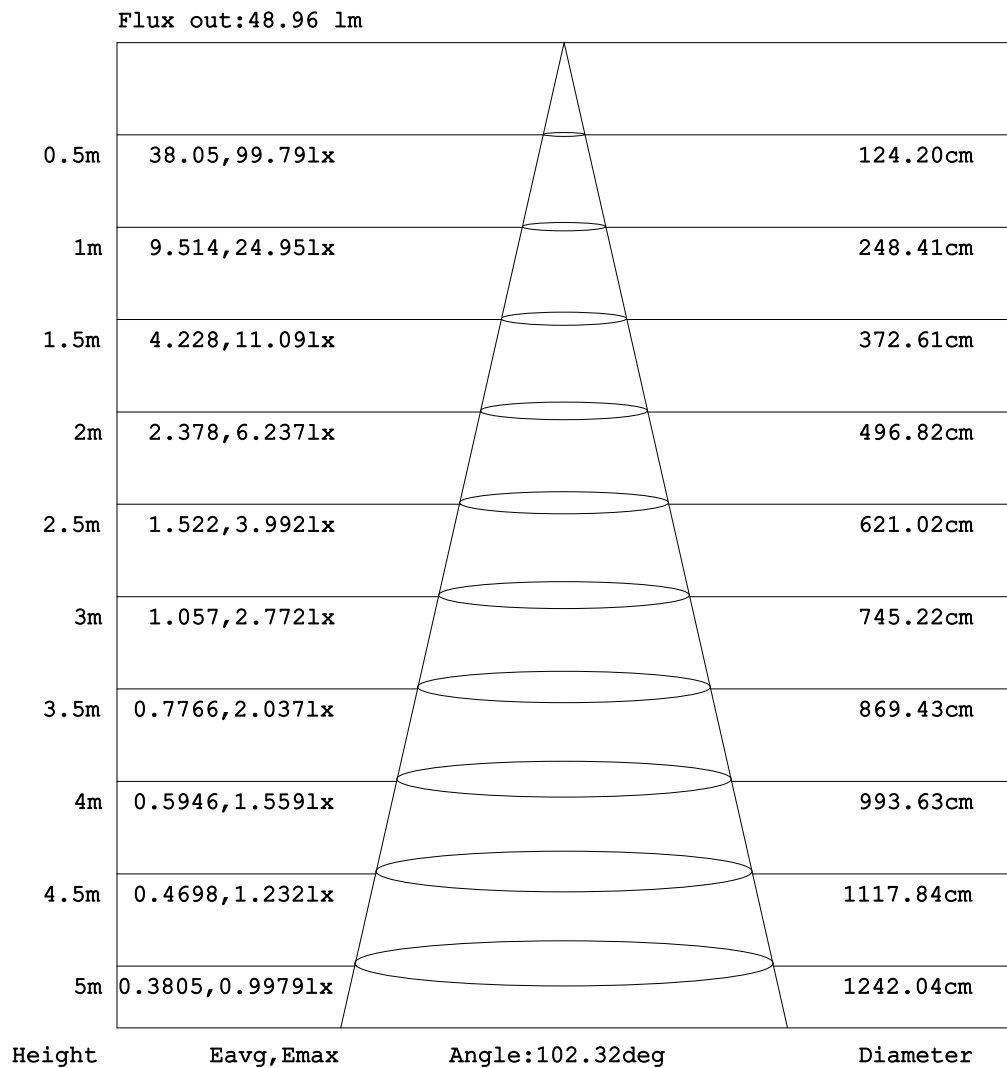
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-12-06

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:



## AAI Figure

|   |                   |                       |
|---|-------------------|-----------------------|
| Test:U:12.00V I:0.3907A P:4.688W PF:1.000 Freq:50.00Hz Lamp Flux:119.175x1 lm |                   |                       |
| NAME: SF21-12V-3528-72-2700-80  | TYPE: 硅胶          | WEIGHT:               |
| SPEC.:  | DIM.: 28mm*11.5mm | SERIAL No.:2021120601 |
| MFR.: OLYMPIA   | SUR.:1*0.016      | Shielding Angle:      |



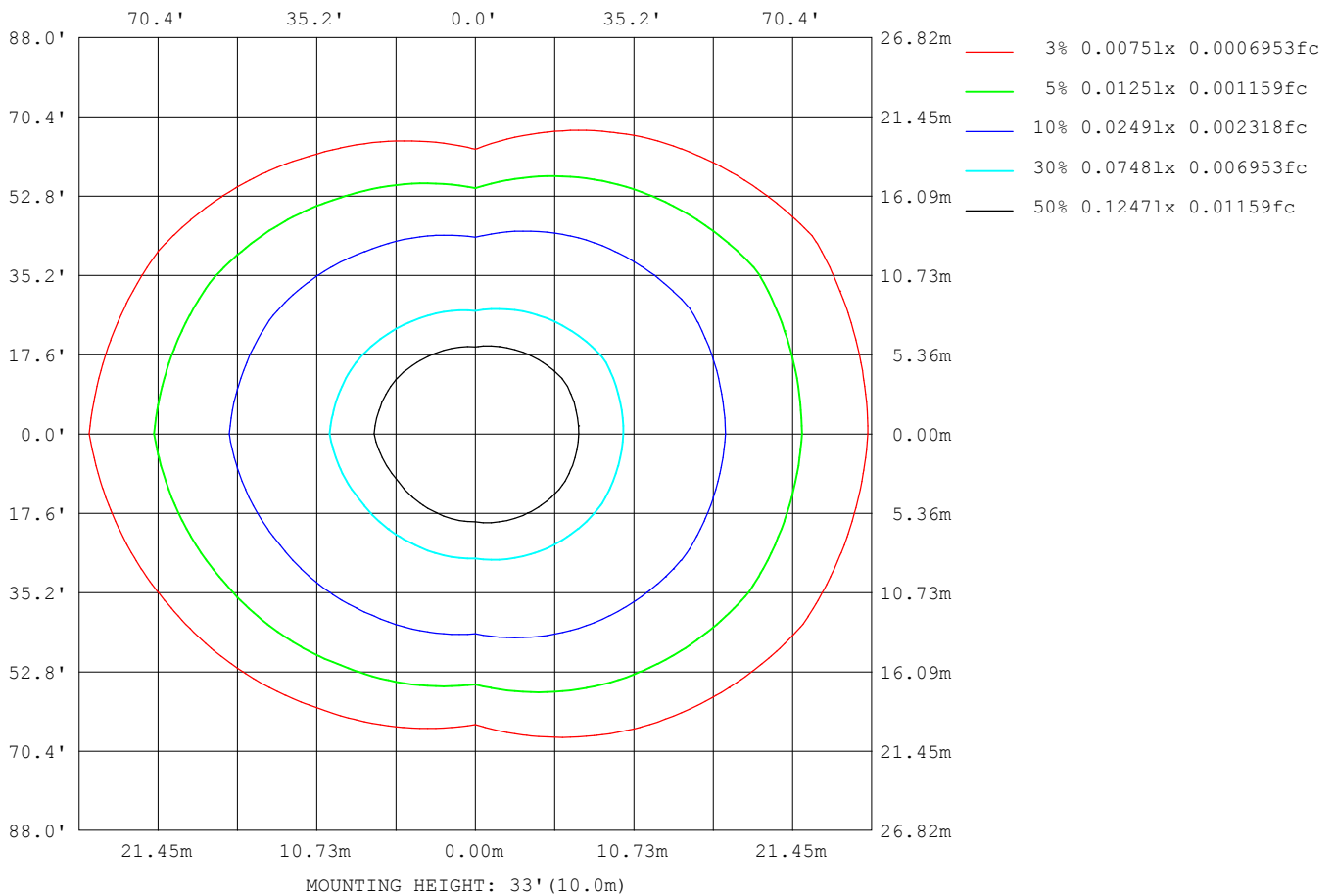
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LPC  
 Test Date: 2021-12-06

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity: 65.0%  
 Test Distance: 9.200m [K=1.0000]  
 Remarks:

## ISOLUX DIAGRAM

|   |                   |                       |
|---|-------------------|-----------------------|
| Test:U:12.00V I:0.3907A P:4.688W PF:1.000 Freq:50.00Hz Lamp Flux:119.175x1 lm |                   |                       |
| NAME: SF21-12V-3528-72-2700-80  | TYPE: 硅胶          | WEIGHT:               |
| SPEC.:  | DIM.: 28mm*11.5mm | SERIAL No.:2021120601 |
| MFR.: OLYMPIA   | SUR.:1*0.016      | Shielding Angle:      |



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-12-06

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:

## LED Avg.L Report

|   |                   |                       |
|---|-------------------|-----------------------|
| Test:U:12.00V I:0.3907A P:4.688W PF:1.000 Freq:50.00Hz Lamp Flux:119.175x1 lm |                   |                       |
| NAME: SF21-12V-3528-72-2700-80  | TYPE:硅胶           | WEIGHT:               |
| SPEC.:  | DIM.: 28mm*11.5mm | SERIAL No.:2021120601 |
| MFR.: OLYMPIA   | SUR.:1*0.016      | Shielding Angle:      |

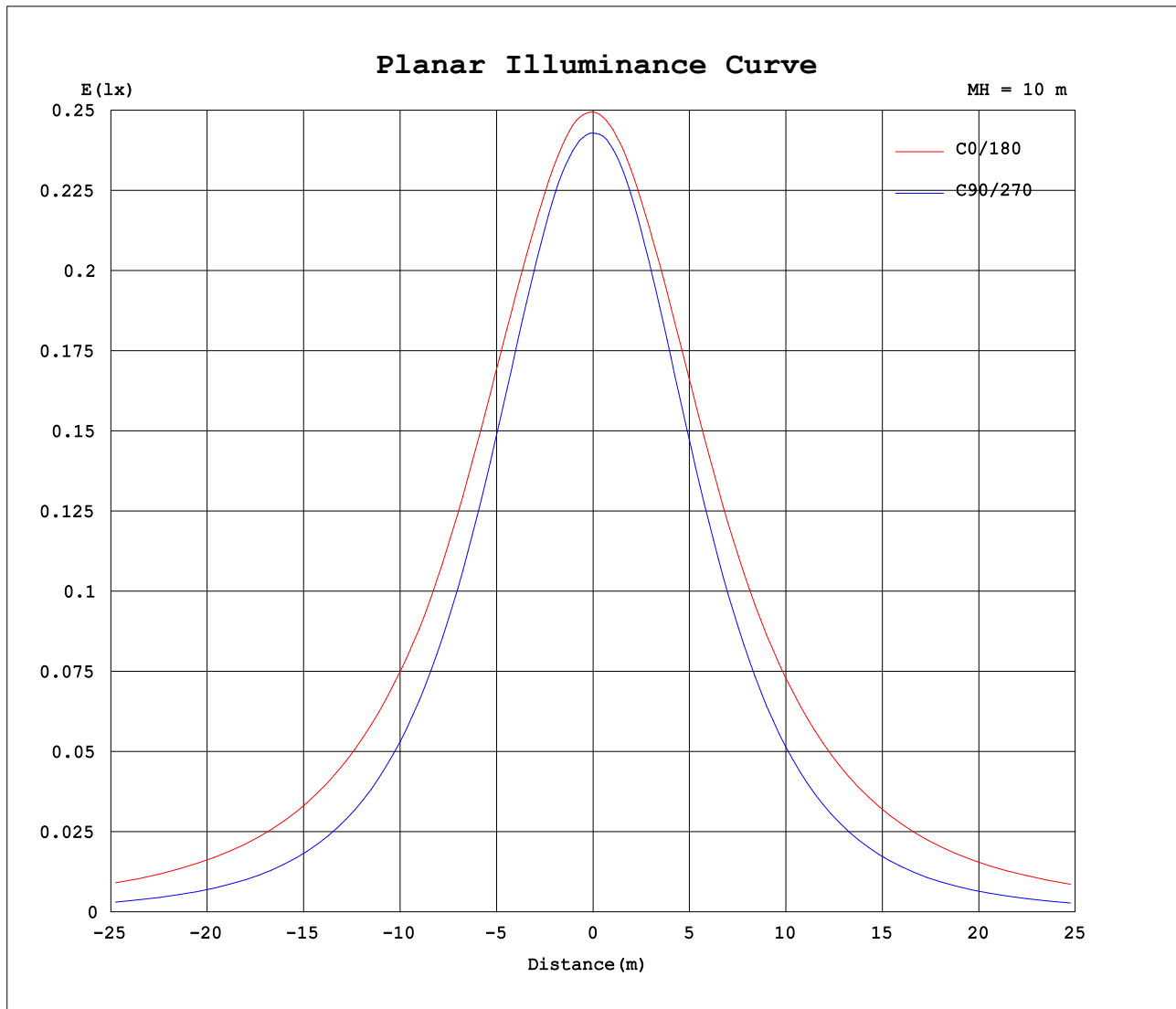
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 2589  |
| L_0~180 (75) av  | 3771  |
| L_0~180 (85) av  | 9740  |
| L_90~270 (65) av | 1029  |
| L_90~270 (75) av | 741   |
| L_90~270 (85) av | 263   |
| L_45 (65) av     | 1995  |
| L_45 (75) av     | 2701  |
| L_45 (85) av     | 6569  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-12-06

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: LPC  
Test Date: 2021-12-06

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 9.200m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|   |                   |                       |
|---|-------------------|-----------------------|
| Test:U:12.00V I:0.3907A P:4.688W PF:1.000 Freq:50.00Hz Lamp Flux:119.175x1 lm |                   |                       |
| NAME: SF21-12V-3528-72-2700-80  | TYPE: 硅胶          | WEIGHT:               |
| SPEC.:  | DIM.: 28mm*11.5mm | SERIAL No.:2021120601 |
| MFR.: OLYMPIA   | SUR.:1*0.016      | Shielding Angle:      |

Table--1

UNIT: cd

| C (DEG)<br>γ (DEG) | 0    | 30   | 60   | 90   | 120  | 150  | 180  | 210  | 240  | 270  | 300  | 330  |  |  |  |  |  |  |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|
| 0                  | 24.9 | 24.9 | 24.7 | 24.3 | 24.3 | 24.2 | 24.9 | 24.9 | 24.7 | 24.3 | 24.3 | 24.2 |  |  |  |  |  |  |
| 5                  | 25.0 | 24.9 | 24.7 | 24.2 | 24.0 | 23.9 | 24.8 | 24.7 | 24.4 | 24.2 | 24.3 | 24.5 |  |  |  |  |  |  |
| 10                 | 24.8 | 24.7 | 24.5 | 23.8 | 23.6 | 23.4 | 24.6 | 24.4 | 24.0 | 23.8 | 24.2 | 24.5 |  |  |  |  |  |  |
| 15                 | 24.5 | 24.4 | 24.1 | 23.2 | 22.9 | 22.9 | 24.2 | 23.9 | 23.3 | 23.1 | 23.7 | 24.5 |  |  |  |  |  |  |
| 20                 | 24.2 | 24.0 | 23.4 | 22.3 | 22.0 | 22.2 | 23.8 | 23.4 | 22.5 | 22.2 | 23.1 | 24.2 |  |  |  |  |  |  |
| 25                 | 23.8 | 23.5 | 22.5 | 21.2 | 21.0 | 21.3 | 23.4 | 22.7 | 21.5 | 21.0 | 22.2 | 23.8 |  |  |  |  |  |  |
| 30                 | 23.3 | 22.9 | 21.4 | 19.9 | 19.9 | 20.4 | 22.8 | 21.9 | 20.4 | 19.6 | 21.3 | 23.3 |  |  |  |  |  |  |
| 35                 | 22.6 | 22.1 | 20.2 | 18.4 | 18.6 | 19.5 | 22.1 | 21.0 | 19.2 | 18.1 | 20.3 | 22.7 |  |  |  |  |  |  |
| 40                 | 21.8 | 21.3 | 19.0 | 16.8 | 17.2 | 18.6 | 21.3 | 20.0 | 17.9 | 16.4 | 19.2 | 22.1 |  |  |  |  |  |  |
| 45                 | 21.2 | 20.3 | 17.7 | 15.0 | 15.8 | 17.6 | 20.6 | 19.1 | 16.4 | 14.6 | 18.0 | 21.4 |  |  |  |  |  |  |
| 50                 | 20.5 | 19.3 | 16.4 | 13.2 | 14.3 | 16.5 | 19.9 | 18.1 | 14.9 | 12.7 | 16.6 | 20.5 |  |  |  |  |  |  |
| 55                 | 19.7 | 18.4 | 14.9 | 11.3 | 12.8 | 15.3 | 19.0 | 17.1 | 13.4 | 10.7 | 15.3 | 19.6 |  |  |  |  |  |  |
| 60                 | 18.8 | 17.4 | 13.5 | 9.26 | 11.3 | 14.2 | 18.1 | 16.0 | 11.9 | 8.68 | 13.9 | 18.6 |  |  |  |  |  |  |
| 65                 | 17.9 | 16.4 | 12.0 | 7.25 | 9.83 | 13.2 | 17.1 | 14.9 | 10.4 | 6.66 | 12.4 | 17.8 |  |  |  |  |  |  |
| 70                 | 17.0 | 15.4 | 10.6 | 5.24 | 8.44 | 12.1 | 16.2 | 13.8 | 8.97 | 4.66 | 10.9 | 16.8 |  |  |  |  |  |  |
| 75                 | 16.0 | 14.3 | 9.29 | 3.33 | 7.18 | 11.1 | 15.2 | 12.8 | 7.66 | 2.81 | 9.65 | 15.8 |  |  |  |  |  |  |
| 80                 | 15.0 | 13.3 | 8.05 | 1.65 | 6.12 | 10.1 | 14.2 | 11.8 | 6.54 | 1.25 | 8.43 | 14.9 |  |  |  |  |  |  |
| 85                 | 14.0 | 12.3 | 7.04 | 0.43 | 5.19 | 9.15 | 13.2 | 10.8 | 5.58 | 0.30 | 7.36 | 13.9 |  |  |  |  |  |  |
| 90                 | 12.9 | 11.3 | 6.22 | 0.37 | 4.46 | 8.24 | 12.1 | 9.77 | 4.77 | 0.25 | 6.53 | 13.0 |  |  |  |  |  |  |
| 95                 | 11.9 | 10.3 | 5.55 | 0.35 | 3.94 | 7.45 | 11.1 | 8.86 | 4.19 | 0.27 | 5.86 | 12.0 |  |  |  |  |  |  |
| 100                | 10.6 | 8.56 | 5.05 | 0.40 | 3.58 | 6.22 | 9.89 | 7.42 | 3.76 | 0.28 | 5.21 | 10.2 |  |  |  |  |  |  |
| 105                | 9.72 | 8.11 | 4.26 | 0.44 | 2.56 | 5.88 | 9.02 | 6.94 | 2.89 | 0.29 | 4.38 | 9.67 |  |  |  |  |  |  |
| 110                | 8.87 | 7.52 | 4.05 | 0.47 | 2.47 | 5.23 | 8.21 | 6.29 | 2.69 | 0.29 | 4.13 | 8.98 |  |  |  |  |  |  |
| 115                | 8.10 | 6.94 | 3.84 | 0.51 | 2.26 | 4.65 | 7.21 | 5.74 | 2.45 | 0.31 | 3.97 | 8.28 |  |  |  |  |  |  |
| 120                | 7.41 | 6.44 | 2.68 | 0.54 | 1.93 | 4.24 | 6.59 | 5.20 | 2.35 | 0.36 | 3.53 | 7.02 |  |  |  |  |  |  |
| 125                | 6.77 | 5.94 | 1.91 | 0.57 | 2.00 | 3.85 | 6.02 | 4.71 | 2.28 | 0.45 | 3.34 | 6.56 |  |  |  |  |  |  |
| 130                | 6.16 | 5.18 | 2.20 | 0.60 | 1.81 | 3.43 | 5.47 | 4.29 | 2.12 | 0.52 | 3.07 | 5.99 |  |  |  |  |  |  |
| 135                | 5.56 | 4.04 | 2.18 | 0.63 | 1.67 | 2.71 | 4.86 | 3.51 | 1.97 | 0.60 | 2.75 | 5.11 |  |  |  |  |  |  |
| 140                | 4.96 | 3.24 | 2.05 | 0.66 | 1.46 | 2.65 | 3.85 | 3.44 | 1.80 | 0.68 | 2.44 | 4.28 |  |  |  |  |  |  |
| 145                | 4.36 | 2.58 | 1.90 | 0.67 | 1.23 | 2.25 | 3.66 | 3.04 | 1.65 | 0.76 | 2.26 | 3.67 |  |  |  |  |  |  |
| 150                | 3.74 | 2.02 | 1.72 | 0.76 | 1.00 | 1.92 | 3.24 | 2.65 | 1.51 | 0.85 | 2.01 | 3.22 |  |  |  |  |  |  |
| 155                | 3.13 | 1.68 | 1.72 | 0.81 | 0.78 | 1.58 | 2.78 | 2.30 | 1.28 | 0.92 | 2.05 | 2.73 |  |  |  |  |  |  |
| 160                | 2.56 | 1.47 | 1.72 | 0.85 | 0.74 | 1.17 | 2.30 | 2.02 | 1.03 | 0.96 | 2.06 | 2.25 |  |  |  |  |  |  |
| 165                | 2.12 | 1.28 | 1.71 | 0.86 | 0.62 | 0.84 | 1.98 | 1.66 | 0.78 | 1.02 | 2.06 | 1.93 |  |  |  |  |  |  |
| 170                | 1.10 | 1.20 | 1.68 | 0.86 | 0.61 | 0.72 | 1.00 | 1.25 | 0.55 | 1.08 | 1.99 | 1.91 |  |  |  |  |  |  |
| 175                | 0.93 | 1.16 | 1.62 | 0.86 | 0.59 | 0.63 | 0.77 | 0.78 | 0.54 | 1.17 | 1.90 | 1.88 |  |  |  |  |  |  |
| 180                | 0.60 | 0.58 | 0.58 | 0.81 | 1.20 | 1.03 | 0.60 | 0.59 | 0.58 | 1.24 | 1.20 | 1.02 |  |  |  |  |  |  |

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-12-06

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:

Photometric Data Table [cd]

| G/C   | 0.0    | 30.0   | 60.0   | 90.0   | 120.0  | 150.0  | 180.0  | 210.0  | 240.0  | 270.0  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0.0   | 24.95  | 24.89  | 24.66  | 24.29  | 24.28  | 24.20  | 24.95  | 24.89  | 24.66  | 24.29  |
| 3.0   | 24.96  | 24.89  | 24.68  | 24.25  | 24.14  | 24.00  | 24.89  | 24.80  | 24.55  | 24.29  |
| 6.0   | 24.94  | 24.88  | 24.66  | 24.13  | 23.92  | 23.78  | 24.79  | 24.66  | 24.37  | 24.17  |
| 9.0   | 24.82  | 24.78  | 24.60  | 23.93  | 23.66  | 23.53  | 24.65  | 24.45  | 24.13  | 23.95  |
| 12.0  | 24.67  | 24.65  | 24.40  | 23.61  | 23.33  | 23.23  | 24.45  | 24.18  | 23.78  | 23.57  |
| 15.0  | 24.49  | 24.44  | 24.06  | 23.18  | 22.89  | 22.87  | 24.22  | 23.91  | 23.34  | 23.10  |
| 18.0  | 24.30  | 24.19  | 23.67  | 22.66  | 22.39  | 22.45  | 23.99  | 23.61  | 22.83  | 22.56  |
| 21.0  | 24.10  | 23.92  | 23.19  | 22.09  | 21.84  | 22.02  | 23.76  | 23.27  | 22.29  | 21.93  |
| 24.0  | 23.88  | 23.56  | 22.65  | 21.41  | 21.23  | 21.49  | 23.47  | 22.88  | 21.72  | 21.22  |
| 27.0  | 23.62  | 23.21  | 22.06  | 20.67  | 20.57  | 20.95  | 23.15  | 22.43  | 21.09  | 20.44  |
| 30.0  | 23.30  | 22.86  | 21.40  | 19.88  | 19.85  | 20.41  | 22.79  | 21.93  | 20.43  | 19.60  |
| 33.0  | 22.92  | 22.43  | 20.69  | 19.01  | 19.11  | 19.87  | 22.37  | 21.42  | 19.72  | 18.69  |
| 36.0  | 22.50  | 21.98  | 19.98  | 18.08  | 18.31  | 19.35  | 21.93  | 20.81  | 18.96  | 17.73  |
| 39.0  | 22.02  | 21.46  | 19.25  | 17.11  | 17.47  | 18.79  | 21.48  | 20.23  | 18.16  | 16.72  |
| 42.0  | 21.54  | 20.90  | 18.48  | 16.09  | 16.62  | 18.19  | 21.06  | 19.67  | 17.32  | 15.66  |
| 45.0  | 21.21  | 20.28  | 17.71  | 15.02  | 15.76  | 17.55  | 20.63  | 19.11  | 16.44  | 14.57  |
| 48.0  | 20.81  | 19.64  | 16.91  | 13.95  | 14.89  | 16.92  | 20.19  | 18.54  | 15.54  | 13.44  |
| 51.0  | 20.37  | 19.16  | 16.09  | 12.80  | 14.03  | 16.24  | 19.70  | 17.92  | 14.62  | 12.27  |
| 54.0  | 19.88  | 18.62  | 15.24  | 11.65  | 13.14  | 15.57  | 19.19  | 17.30  | 13.71  | 11.12  |
| 57.0  | 19.36  | 18.05  | 14.38  | 10.47  | 12.23  | 14.90  | 18.65  | 16.65  | 12.81  | 9.909  |
| 60.0  | 18.81  | 17.44  | 13.48  | 9.264  | 11.33  | 14.24  | 18.08  | 15.96  | 11.90  | 8.682  |
| 63.0  | 18.27  | 16.83  | 12.57  | 8.047  | 10.43  | 13.59  | 17.51  | 15.32  | 11.01  | 7.462  |
| 66.0  | 17.72  | 16.17  | 11.69  | 6.847  | 9.557  | 12.96  | 16.95  | 14.67  | 10.12  | 6.256  |
| 69.0  | 17.16  | 15.55  | 10.86  | 5.640  | 8.718  | 12.33  | 16.37  | 14.03  | 9.244  | 5.049  |
| 72.0  | 16.61  | 14.94  | 10.07  | 4.449  | 7.914  | 11.72  | 15.79  | 13.41  | 8.425  | 3.913  |
| 75.0  | 16.02  | 14.35  | 9.286  | 3.329  | 7.185  | 11.14  | 15.21  | 12.78  | 7.657  | 2.808  |
| 78.0  | 15.43  | 13.73  | 8.521  | 2.274  | 6.526  | 10.51  | 14.61  | 12.16  | 6.948  | 1.807  |
| 81.0  | 14.82  | 13.12  | 7.837  | 1.370  | 5.917  | 9.914  | 14.01  | 11.58  | 6.325  | 0.9871 |
| 84.0  | 14.20  | 12.52  | 7.229  | 0.6463 | 5.360  | 9.331  | 13.39  | 10.99  | 5.757  | 0.3585 |
| 87.0  | 13.56  | 11.90  | 6.701  | 0.4059 | 4.872  | 8.769  | 12.75  | 10.36  | 5.230  | 0.2515 |
| 90.0  | 12.90  | 11.32  | 6.224  | 0.3674 | 4.459  | 8.241  | 12.10  | 9.772  | 4.773  | 0.2482 |
| 93.0  | 12.27  | 10.72  | 5.801  | 0.3581 | 4.122  | 7.753  | 11.50  | 9.219  | 4.386  | 0.2586 |
| 96.0  | 11.66  | 10.16  | 5.434  | 0.3619 | 3.861  | 7.306  | 10.89  | 8.681  | 4.080  | 0.2690 |
| 99.0  | 10.88  | 8.833  | 5.127  | 0.3771 | 3.640  | 6.222  | 10.08  | 7.476  | 3.834  | 0.2794 |
| 102.0 | 10.26  | 8.442  | 4.751  | 0.4156 | 3.125  | 6.116  | 9.532  | 7.258  | 3.379  | 0.2865 |
| 105.0 | 9.722  | 8.111  | 4.257  | 0.4357 | 2.564  | 5.884  | 9.024  | 6.936  | 2.890  | 0.2895 |
| 108.0 | 9.204  | 7.754  | 4.232  | 0.4574 | 2.533  | 5.643  | 8.517  | 6.640  | 2.783  | 0.2925 |
| 111.0 | 8.711  | 7.392  | 3.986  | 0.4775 | 2.423  | 5.095  | 8.053  | 6.193  | 2.618  | 0.2966 |
| 114.0 | 8.249  | 7.045  | 3.840  | 0.4976 | 2.272  | 4.758  | 7.331  | 5.841  | 2.462  | 0.3030 |
| 117.0 | 7.817  | 6.724  | 3.739  | 0.5127 | 2.177  | 4.477  | 6.949  | 5.519  | 2.407  | 0.3094 |
| 120.0 | 7.409  | 6.437  | 2.679  | 0.5378 | 1.932  | 4.236  | 6.588  | 5.203  | 2.346  | 0.3566 |
| 123.0 | 7.017  | 6.136  | 2.032  | 0.5629 | 2.051  | 4.020  | 6.251  | 4.896  | 2.307  | 0.3918 |
| 126.0 | 6.655  | 5.839  | 1.905  | 0.5830 | 1.975  | 3.759  | 5.919  | 4.614  | 2.231  | 0.4473 |
| 129.0 | 6.284  | 5.415  | 2.135  | 0.5882 | 1.820  | 3.512  | 5.582  | 4.363  | 2.156  | 0.5073 |
| 132.0 | 5.917  | 4.768  | 2.192  | 0.6182 | 1.769  | 3.276  | 5.246  | 4.127  | 2.065  | 0.5426 |
| 135.0 | 5.560  | 4.044  | 2.181  | 0.6333 | 1.674  | 2.711  | 4.858  | 3.507  | 1.970  | 0.5980 |
| 138.0 | 5.198  | 3.602  | 2.121  | 0.6434 | 1.553  | 2.794  | 4.222  | 3.609  | 1.879  | 0.6482 |
| 141.0 | 4.841  | 3.090  | 2.021  | 0.6574 | 1.418  | 2.578  | 4.014  | 3.318  | 1.759  | 0.6984 |
| 144.0 | 4.484  | 2.703  | 1.930  | 0.6634 | 1.282  | 2.331  | 3.813  | 3.111  | 1.663  | 0.7585 |
| 147.0 | 4.117  | 2.361  | 1.830  | 0.6838 | 1.141  | 2.125  | 3.452  | 2.880  | 1.633  | 0.7989 |
| 150.0 | 3.735  | 2.024  | 1.724  | 0.7589 | 1.001  | 1.919  | 3.236  | 2.654  | 1.512  | 0.8493 |
| 153.0 | 3.359  | 1.789  | 1.684  | 0.7842 | 0.7752 | 1.733  | 2.964  | 2.438  | 1.381  | 0.8845 |
| 156.0 | 3.032  | 1.648  | 1.724  | 0.8192 | 0.8486 | 1.512  | 2.693  | 2.242  | 1.236  | 0.9296 |
| 159.0 | 2.630  | 1.507  | 1.724  | 0.8394 | 0.7905 | 1.251  | 2.386  | 2.041  | 1.075  | 0.9598 |
| 162.0 | 2.393  | 1.357  | 1.724  | 0.8548 | 0.6188 | 0.9892 | 2.201  | 1.885  | 0.9495 | 0.9998 |
| 165.0 | 2.117  | 1.283  | 1.709  | 0.8557 | 0.6156 | 0.8352 | 1.984  | 1.659  | 0.7828 | 1.020  |
| 168.0 | 1.181  | 1.259  | 1.694  | 0.8567 | 0.6124 | 0.7528 | 1.085  | 1.423  | 0.5478 | 1.075  |
| 171.0 | 1.066  | 1.206  | 1.673  | 0.8576 | 0.6092 | 0.6995 | 0.9595 | 1.162  | 0.5461 | 1.095  |
| 174.0 | 0.9653 | 1.181  | 1.639  | 0.8585 | 0.6031 | 0.6463 | 0.8236 | 0.9305 | 0.5445 | 1.146  |
| 177.0 | 0.8000 | 1.072  | 1.583  | 0.8594 | 0.5880 | 0.5930 | 0.7081 | 0.5933 | 0.5428 | 1.171  |
| 180.0 | 0.6031 | 0.5830 | 0.5830 | 0.8142 | 1.196  | 1.025  | 0.6031 | 0.5930 | 0.5780 | 1.236  |
| G/C   | 300.0  | 330.0  |        |        |        |        |        |        |        |        |
| 0.0   | 24.28  | 24.20  |        |        |        |        |        |        |        |        |
| 3.0   | 24.31  | 24.37  |        |        |        |        |        |        |        |        |
| 6.0   | 24.31  | 24.49  |        |        |        |        |        |        |        |        |
| 9.0   | 24.24  | 24.54  |        |        |        |        |        |        |        |        |
| 12.0  | 24.03  | 24.55  |        |        |        |        |        |        |        |        |
| 15.0  | 23.75  | 24.50  |        |        |        |        |        |        |        |        |
| 18.0  | 23.37  | 24.36  |        |        |        |        |        |        |        |        |
| 21.0  | 22.92  | 24.16  |        |        |        |        |        |        |        |        |
| 24.0  | 22.41  | 23.92  |        |        |        |        |        |        |        |        |
| 27.0  | 21.89  | 23.66  |        |        |        |        |        |        |        |        |
| 30.0  | 21.32  | 23.34  |        |        |        |        |        |        |        |        |

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LPC  
 Test Date: 2021-12-06

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity: 65.0%  
 Test Distance: 9.200m [K=1.0000]  
 Remarks:

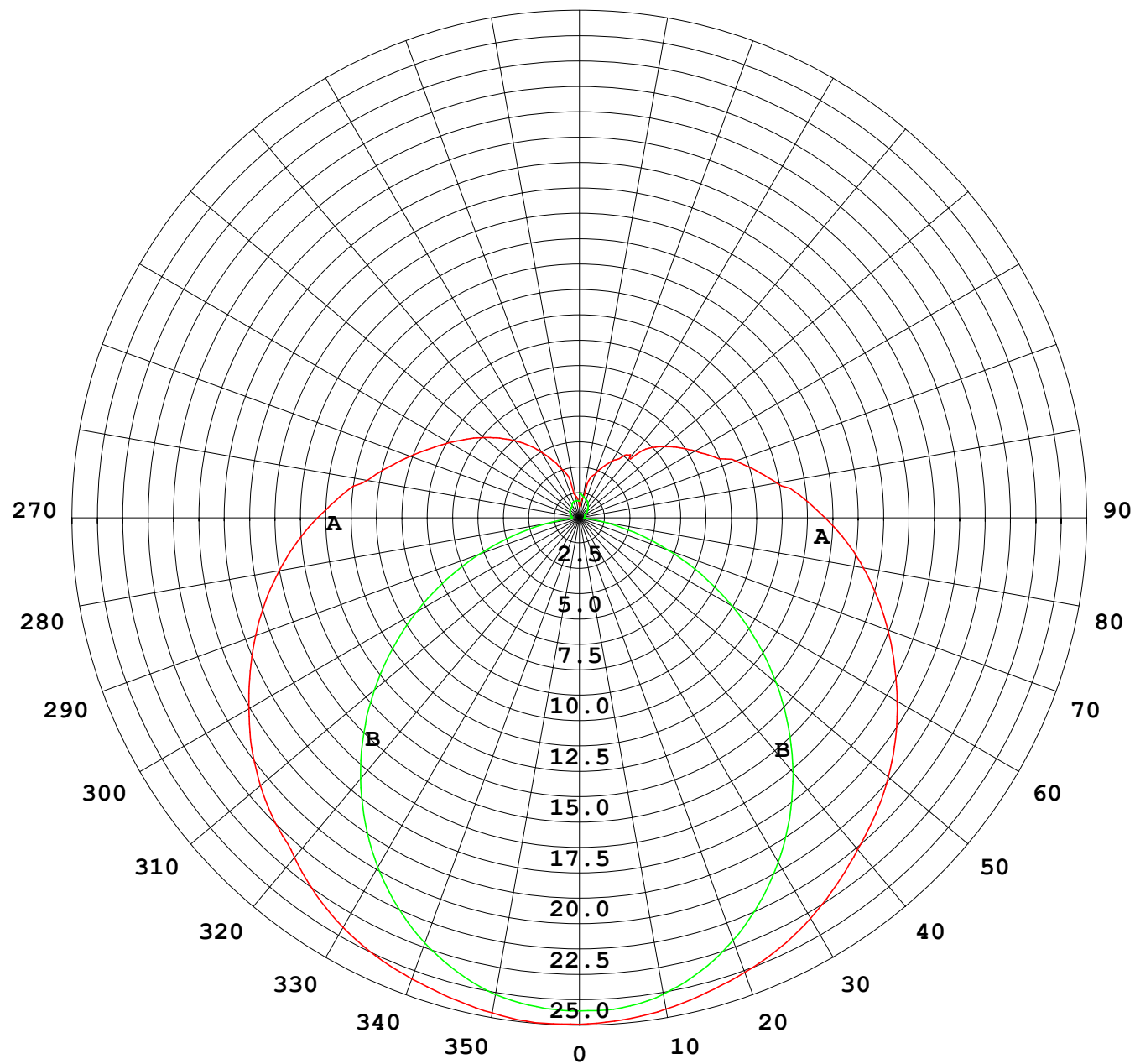
## Photometric Data Table [cd]

|       |       |       |
|-------|-------|-------|
| 33.0  | 20.72 | 22.98 |
| 36.0  | 20.09 | 22.62 |
| 39.0  | 19.43 | 22.25 |
| 42.0  | 18.72 | 21.85 |
| 45.0  | 17.95 | 21.40 |
| 48.0  | 17.16 | 20.90 |
| 51.0  | 16.36 | 20.36 |
| 54.0  | 15.55 | 19.77 |
| 57.0  | 14.71 | 19.13 |
| 60.0  | 13.87 | 18.60 |
| 63.0  | 13.00 | 18.11 |
| 66.0  | 12.12 | 17.57 |
| 69.0  | 11.23 | 17.02 |
| 72.0  | 10.41 | 16.44 |
| 75.0  | 9.647 | 15.82 |
| 78.0  | 8.913 | 15.24 |
| 81.0  | 8.189 | 14.67 |
| 84.0  | 7.551 | 14.11 |
| 87.0  | 7.004 | 13.53 |
| 90.0  | 6.527 | 12.96 |
| 93.0  | 6.110 | 12.40 |
| 96.0  | 5.743 | 11.86 |
| 99.0  | 5.346 | 10.41 |
| 102.0 | 4.882 | 10.04 |
| 105.0 | 4.377 | 9.665 |
| 108.0 | 4.246 | 9.264 |
| 111.0 | 4.066 | 8.841 |
| 114.0 | 3.762 | 8.424 |
| 117.0 | 3.759 | 8.022 |
| 120.0 | 3.528 | 7.020 |
| 123.0 | 3.437 | 6.508 |
| 126.0 | 3.271 | 6.564 |
| 129.0 | 3.115 | 6.204 |
| 132.0 | 2.934 | 5.570 |
| 135.0 | 2.749 | 5.107 |
| 138.0 | 2.568 | 4.324 |
| 141.0 | 2.392 | 4.162 |
| 144.0 | 2.281 | 3.781 |
| 147.0 | 2.171 | 3.489 |
| 150.0 | 2.010 | 3.222 |
| 153.0 | 2.001 | 2.936 |
| 156.0 | 2.061 | 2.644 |
| 159.0 | 2.059 | 2.343 |
| 162.0 | 2.058 | 2.066 |
| 165.0 | 2.056 | 1.930 |
| 168.0 | 2.010 | 1.917 |
| 171.0 | 1.980 | 1.903 |
| 174.0 | 1.920 | 1.889 |
| 177.0 | 1.894 | 1.850 |
| 180.0 | 1.196 | 1.015 |

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:LPC  
Test Date:2021-12-06

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:9.200m [K=1.0000]  
Remarks:

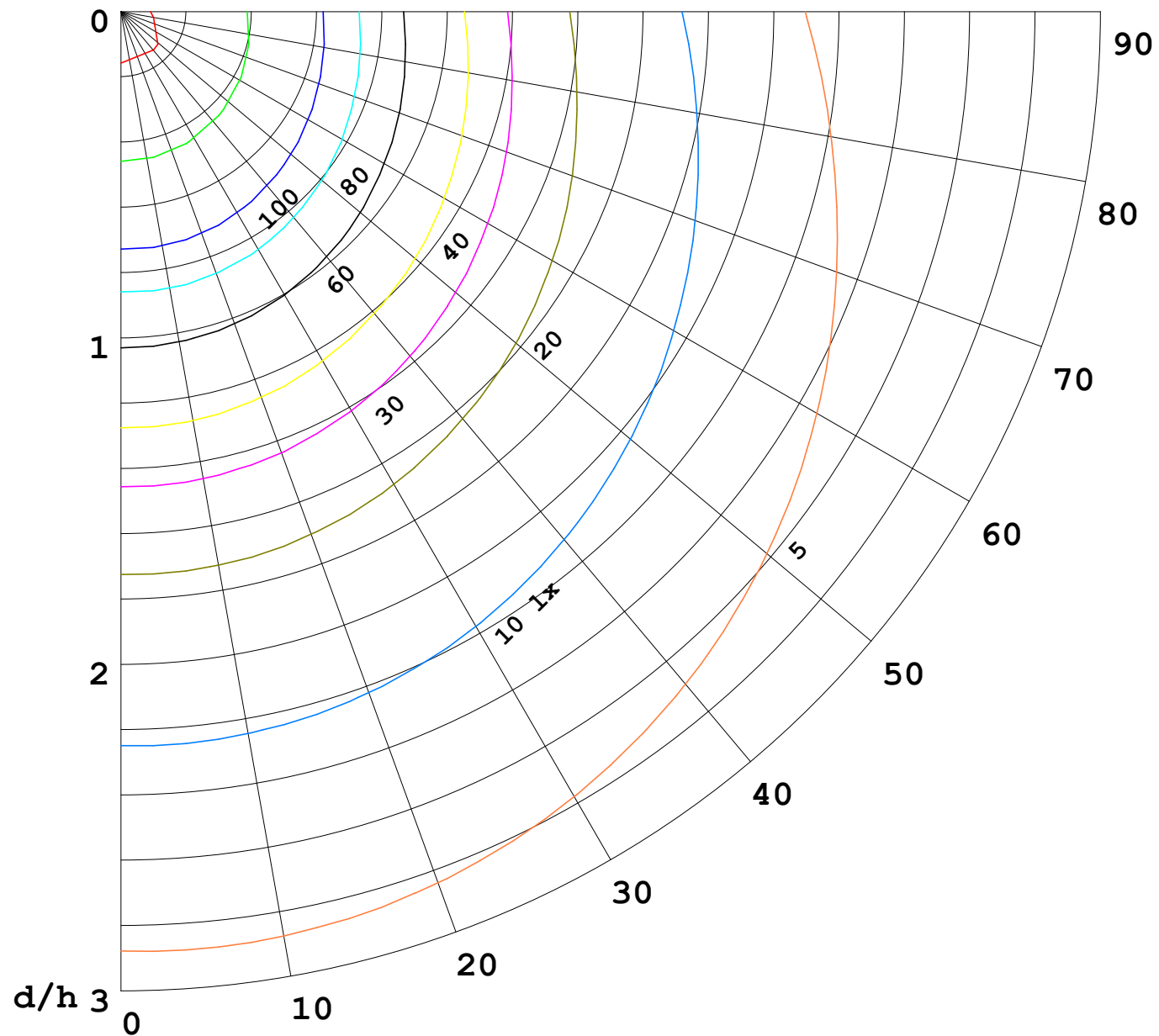
I (cd)





1000 lm

$\kappa = 1$



F = 5000 lm  
 K = 0.7  
 Hcc = 0.0 m  
 Hfc = 0.0 m  
 Eave = 100 lx

|   | Pcc | Pw | Pfc |
|---|-----|----|-----|
| — | 70  | 50 | 30  |
| — | 50  | 30 | 20  |

