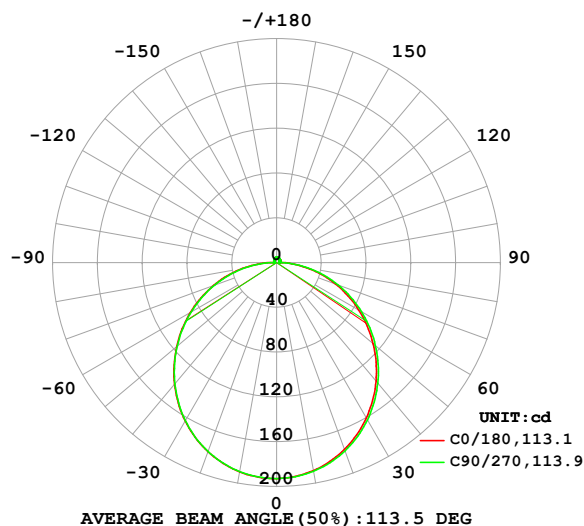


## LUMINAIRE PHOTOMETRIC TEST REPORT

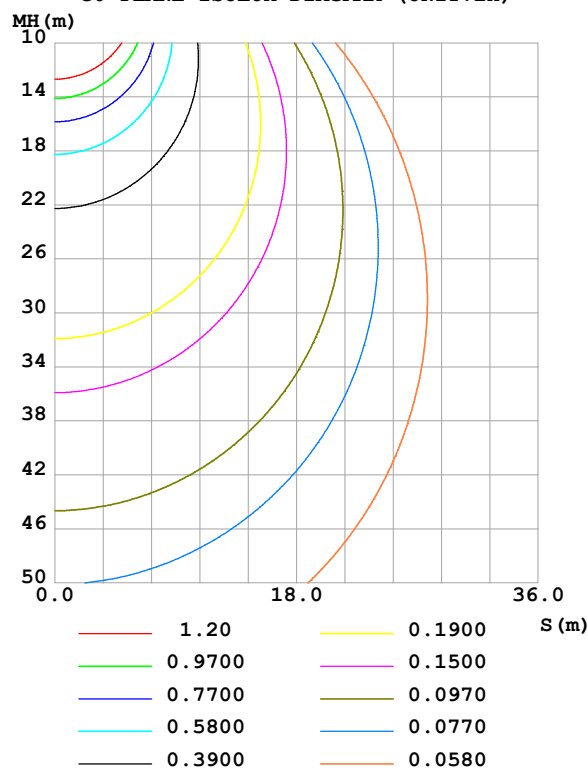
|  |                 |                  |
|--|-----------------|------------------|
| Test:U:24.00V I:0.4122A P:9.893W PF:1.000 Freq:0Hz<br>Lamp Flux:590.439x1 lm |                 |                  |
| NAME: SF10-24V-2835-144-2700-80  | TYPE:           | WEIGHT:          |
| SPEC.:   | DIM.: Length=1m | SERIAL No.:      |
| MFR.:  | SUR.:           | Shielding Angle: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA Eff: 59.68 lm/W |        |                   |          |
|------------------|---------|----------------------------------|--------|-------------------|----------|
| MODEL            |         | I <sub>max</sub> (cd)            | 192.9  | S/MH(C0/180)      | 1.26     |
| NOMINAL POWER(W) |         | LOR(%)                           | 100.0  | S/MH(C90/270)     | 1.26     |
| RATED VOLTAGE(V) |         | TOTAL FLUX(lm)                   | 590.44 | η UP,DN(C0-180)   | 1.8,48.0 |
| NOMINAL FLUX(lm) | 590.439 | CIE CLASS                        | DIRECT | η UP,DN(C180-360) | 1.7,48.5 |
| LAMPS INSIDE     | 1       | η up (%)                         | 3.6    | CIBSE SHR NOM     | 1.25     |
| TEST VOLTAGE(V)  |         | η down (%)                       | 96.4   | CIBSE SHR MAX     | 1.35     |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: Cloud  
Test Date: 2024-10-25

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.488  
Humidity: 65.0%  
Test Distance: 6.360m [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       | 188.7                 | 189.0 | 189.3 | 189.5 | 189.8 | 189.8 | 189.6 | 189.3 | 0- 10    | 18.24       | 18.24        | 3.09,3.09  |
| 20       | 177.6                 | 178.1 | 178.8 | 179.3 | 179.7 | 179.8 | 179.5 | 178.7 | 10- 20   | 52.20       | 70.44        | 11.9,11.9  |
| 30       | 160.4                 | 161.2 | 162.3 | 162.9 | 163.4 | 163.6 | 163.1 | 161.9 | 20- 30   | 78.98       | 149.4        | 25.3,25.3  |
| 40       | 138.3                 | 139.2 | 140.6 | 141.3 | 141.9 | 142.1 | 141.4 | 140.0 | 30- 40   | 95.11       | 244.5        | 41.4,41.4  |
| 50       | 112.5                 | 113.5 | 115.2 | 115.8 | 116.6 | 116.8 | 115.9 | 114.4 | 40- 50   | 98.93       | 343.5        | 58.2,58.2  |
| 60       | 84.69                 | 85.59 | 87.46 | 87.96 | 88.91 | 88.97 | 87.99 | 86.49 | 50- 60   | 90.65       | 434.1        | 73.5,73.5  |
| 70       | 56.00                 | 56.76 | 58.31 | 59.10 | 60.10 | 60.00 | 58.91 | 57.57 | 60- 70   | 72.13       | 506.2        | 85.7,85.7  |
| 80       | 27.10                 | 27.77 | 29.00 | 30.03 | 31.11 | 30.75 | 29.49 | 28.38 | 70- 80   | 46.21       | 552.4        | 93.6,93.6  |
| 90       | 5.415                 | 4.361 | 2.424 | 5.207 | 7.041 | 5.613 | 2.409 | 4.597 | 80- 90   | 16.93       | 569.4        | 96.4,96.4  |
| 100      | 2.598                 | 2.596 | 2.652 | 2.586 | 2.317 | 2.626 | 2.496 | 2.645 | 90-100   | 3.093       | 572.5        | 97,97      |
| 110      | 2.975                 | 2.963 | 3.001 | 2.968 | 2.648 | 2.900 | 2.800 | 2.809 | 100-110  | 2.873       | 575.3        | 97.4,97.4  |
| 120      | 3.323                 | 3.223 | 3.307 | 3.329 | 2.990 | 3.186 | 3.143 | 3.056 | 110-120  | 3.007       | 578.3        | 98,98      |
| 130      | 3.654                 | 3.525 | 3.599 | 3.664 | 3.330 | 3.486 | 3.458 | 3.336 | 120-130  | 3.001       | 581.3        | 98.5,98.5  |
| 140      | 3.942                 | 3.823 | 3.885 | 3.980 | 3.678 | 3.809 | 3.796 | 3.715 | 130-140  | 2.833       | 584.2        | 98.9,98.9  |
| 150      | 4.227                 | 4.108 | 4.255 | 4.295 | 4.029 | 4.152 | 4.137 | 4.084 | 140-150  | 2.502       | 586.7        | 99.4,99.4  |
| 160      | 4.515                 | 4.515 | 4.567 | 4.590 | 4.386 | 4.478 | 4.484 | 4.434 | 150-160  | 1.997       | 588.7        | 99.7,99.7  |
| 170      | 4.645                 | 4.743 | 4.804 | 4.804 | 4.570 | 4.749 | 4.779 | 4.726 | 160-170  | 1.307       | 590.0        | 99.9,99.9  |
| 180      | 4.737                 | 4.876 | 4.926 | 4.896 | 4.737 | 4.882 | 4.926 | 4.911 | 170-180  | 0.4583      | 590.4        | 100,100    |
| DEG      | LUMINOUS INTENSITY:cd |       |       |       |       |       |       |       |          | UNIT:lm     |              |            |

Conical surface Flux(90deg): 294.29 lm

%lum = 49.8%

%lamp = 49.8%

Conical surface Flux(130deg): 473.01 lm

%lum = 80.1%

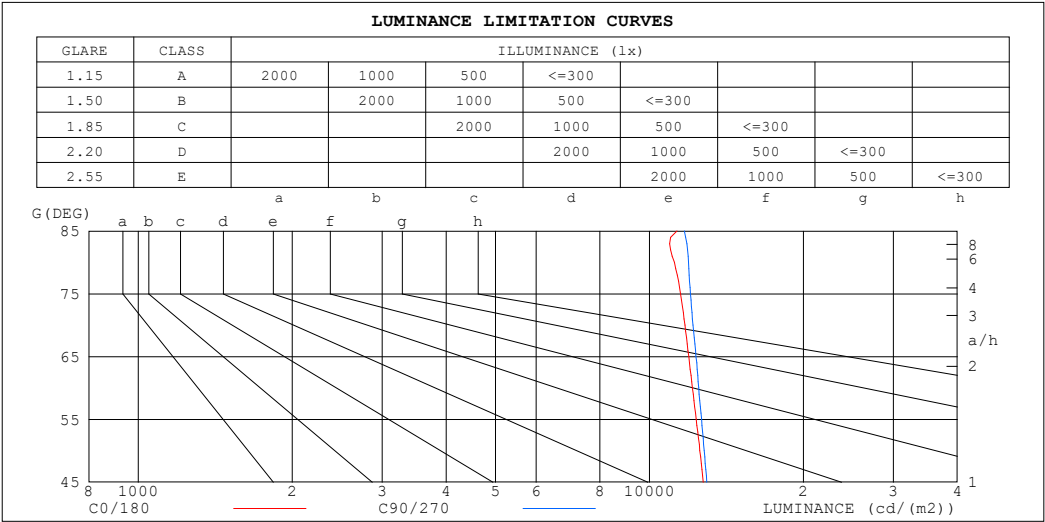
%lamp = 80.1%

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3℃  
 Operators:Cloud  
 Test Date:2024-10-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.488  
 Humidity:65.0%  
 Test Distance:6.360m [K=1.0000]  
 Remarks:

LUMINANCE LIMITATION CURVES

|  |                 |                  |
|--|-----------------|------------------|
| Test:U:24.00V I:0.4122A P:9.893W PF:1.000 Freq:0Hz<br>Lamp Flux:590.439x1 lm |                 |                  |
| NAME: SF10-24V-2835-144-2700-80  | TYPE:           | WEIGHT:          |
| SPEC.:   | DIM.: Length=1m | SERIAL No.:      |
| MFR.:  | SUR.:           | Shielding Angle: |



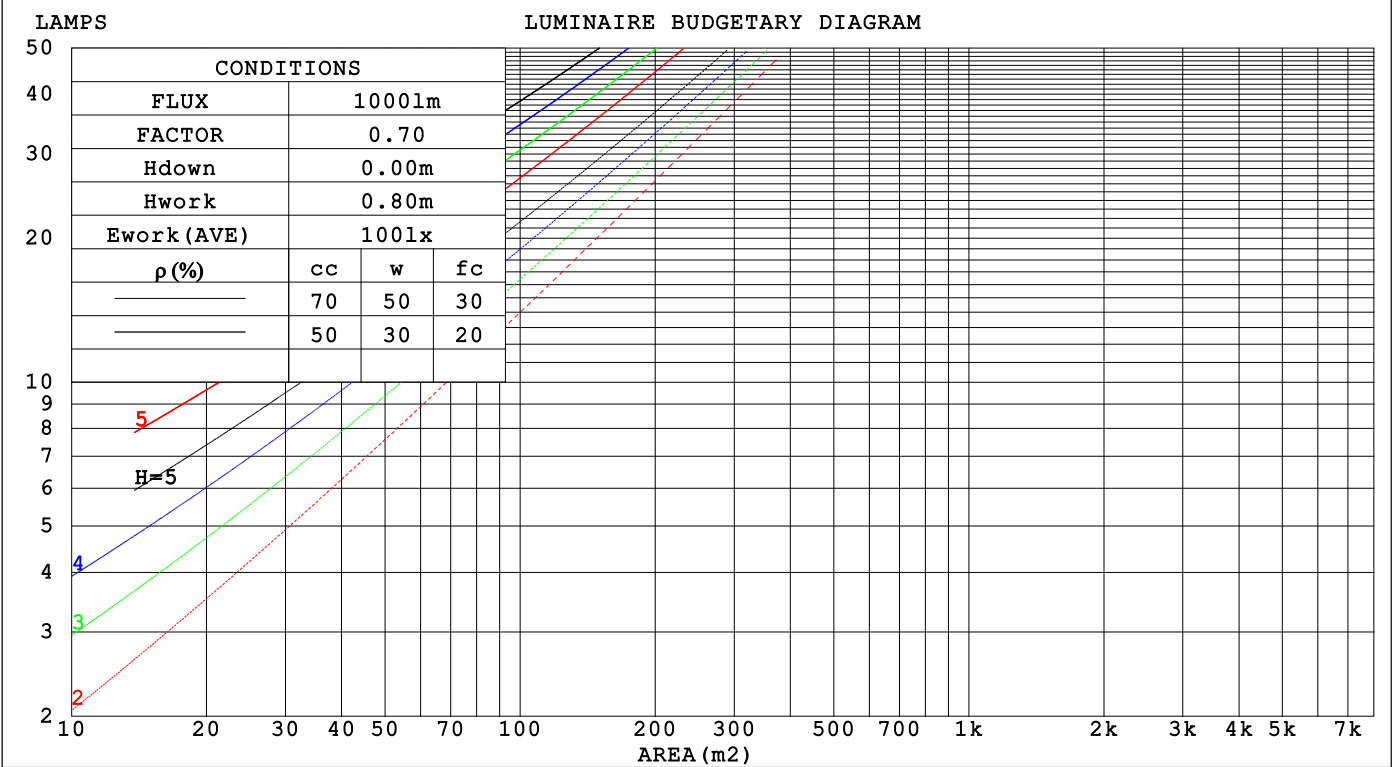
| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 11320  | 11696   |
| 80                | 11182  | 11919   |
| 75                | 11504  | 12028   |
| 70                | 11730  | 12166   |
| 65                | 11933  | 12332   |
| 60                | 12135  | 12483   |
| 55                | 12341  | 12639   |
| 50                | 12544  | 12792   |
| 45                | 12743  | 12943   |

|                      |   |
|----------------------|---|
| C Range: 0 - 360DEG  | γ Range: 0 - 180DEG                               |
| C Interval: 22.5DEG  | γ Interval: 1.0DEG                                |
| Test Speed: HIGH     | Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488 |
| Temperature:25.3℃    | Humidity:65.0%                                    |
| Operators:Cloud      | Test Distance:6.360m [K=1.0000]                   |
| Test Date:2024-10-25 | Remarks:  |

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|  |                 |                  |
|--|-----------------|------------------|
| Test:U:24.00V I:0.4122A P:9.893W PF:1.000 Freq:0Hz |                 |                  |
| Lamp Flux:590.439x1 lm                             |                 |                  |
| NAME: SF10-24V-2835-144-2700-80                    | TYPE:           | WEIGHT:          |
| SPEC.:   | DIM.: Length=1m | SERIAL No.:      |
| MFR.:  | SUR.:           | 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 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |



C Range: 0 - 360DEG

C Interval: 22.5DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:Cloud

Test Date:2024-10-25

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.488

Humidity:65.0%

Test Distance:6.360m [K=1.0000]

Remarks:

## WEC AND CCEC

|  |                 |                  |
|--|-----------------|------------------|
| Test:U:24.00V I:0.4122A P:9.893W PF:1.000 Freq:0Hz<br>Lamp Flux:590.439x1 lm |                 |                  |
| NAME: SF10-24V-2835-144-2700-80  | TYPE:           | WEIGHT:          |
| SPEC.:   | DIM.: Length=1m | SERIAL No.:      |
| MFR.:  | SUR.:           | 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  | .325                  | .185 | .059 | .317 | .181 | .057 | .302 | .173 | .055 | .287 | .166 | .053 | .274 | .159 | .051 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2.0  | .301                  | .165 | .051 | .293 | .162 | .050 | .280 | .156 | .048 | .267 | .150 | .047 | .255 | .144 | .046 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3.0  | .276                  | .147 | .044 | .269 | .144 | .043 | .257 | .139 | .042 | .246 | .135 | .041 | .235 | .130 | .040 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4.0  | .253                  | .131 | .039 | .247 | .129 | .038 | .236 | .125 | .037 | .226 | .122 | .037 | .217 | .118 | .036 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5.0  | .233                  | .119 | .034 | .228 | .117 | .034 | .218 | .114 | .033 | .209 | .110 | .033 | .201 | .107 | .032 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6.0  | .215                  | .108 | .031 | .211 | .107 | .031 | .202 | .104 | .030 | .194 | .101 | .030 | .186 | .098 | .029 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7.0  | .200                  | .099 | .028 | .196 | .098 | .028 | .188 | .095 | .027 | .181 | .093 | .027 | .174 | .090 | .027 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8.0  | .187                  | .091 | .026 | .183 | .090 | .025 | .176 | .088 | .025 | .169 | .086 | .025 | .163 | .084 | .024 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9.0  | .175                  | .084 | .024 | .171 | .083 | .023 | .165 | .082 | .023 | .159 | .080 | .023 | .153 | .078 | .022 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10.0 | .164                  | .079 | .022 | .161 | .078 | .022 | .155 | .076 | .021 | .150 | .074 | .021 | .144 | .073 | .021 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

| 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  | .218                  | .218 | .218 | .186 | .186 | .186 | .127  | .127 | .127 | .073 | .073 | .073 | .023 | .023 | .023 |   |
| 1.0  | .209                  | .183 | .161 | .179 | .157 | .138 | .122  | .108 | .096 | .070 | .063 | .056 | .023 | .020 | .018 |   |
| 2.0  | .201                  | .159 | .125 | .172 | .137 | .108 | .118  | .095 | .075 | .068 | .055 | .044 | .022 | .018 | .014 |   |
| 3.0  | .193                  | .142 | .101 | .166 | .123 | .088 | .114  | .085 | .062 | .066 | .050 | .036 | .021 | .016 | .012 |   |
| 4.0  | .186                  | .129 | .086 | .159 | .111 | .074 | .110  | .078 | .052 | .063 | .045 | .031 | .020 | .015 | .010 |   |
| 5.0  | .178                  | .119 | .075 | .153 | .103 | .065 | .105  | .072 | .046 | .061 | .042 | .027 | .020 | .014 | .009 |   |
| 6.0  | .171                  | .110 | .067 | .147 | .096 | .058 | .101  | .067 | .041 | .059 | .039 | .025 | .019 | .013 | .008 |   |
| 7.0  | .164                  | .104 | .061 | .141 | .090 | .053 | .097  | .063 | .038 | .057 | .037 | .022 | .018 | .012 | .007 |   |
| 8.0  | .158                  | .098 | .057 | .136 | .085 | .049 | .094  | .060 | .035 | .055 | .035 | .021 | .018 | .012 | .007 |   |
| 9.0  | .151                  | .093 | .053 | .130 | .081 | .047 | .090  | .057 | .033 | .053 | .033 | .020 | .017 | .011 | .007 |   |
| 10.0 | .146                  | .089 | .051 | .126 | .077 | .044 | .087  | .054 | .031 | .051 | .032 | .019 | .016 | .011 | .006 |   |

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:Cloud  
Test Date:2024-10-25

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.488  
Humidity:65.0%  
Test Distance:6.360m [K=1.0000]  
Remarks:

UGR(Unified Glare Rating) Table

|  |                  |      |      |      |                 |                |      |                  |      |      |
|--|------------------|------|------|------|-----------------|----------------|------|------------------|------|------|
| Test:U:24.00V I:0.4122A P:9.893W PF:1.000 Freq:0Hz<br>Lamp Flux:590.439x1 lm |                  |      |      |      |                 |                |      |                  |      |      |
| NAME: SF10-24V-2835-144-2700-80  |                  |      |      |      | TYPE:           |                |      | WEIGHT:          |      |      |
| SPEC.:   |                  |      |      |      | DIM.: Length=1m |                |      | SERIAL No.:      |      |      |
| MFR.:  |                  |      |      |      | 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  | 24.3             | 25.8 | 24.6 | 26.1 | 26.4            | 24.4           | 25.9 | 24.8             | 26.2 | 26.5 |
| 3H   | 26.0             | 27.4 | 26.3 | 27.7 | 28.0            | 26.1           | 27.5 | 26.5             | 27.8 | 28.1 |
| 4H   | 26.7             | 28.0 | 27.1 | 28.3 | 28.7            | 26.9           | 28.2 | 27.2             | 28.5 | 28.8 |
| 6H   | 27.3             | 28.5 | 27.6 | 28.8 | 29.2            | 27.5           | 28.7 | 27.9             | 29.0 | 29.4 |
| 8H   | 27.5             | 28.7 | 27.9 | 29.0 | 29.4            | 27.7           | 28.9 | 28.1             | 29.2 | 29.6 |
| 12H  | 27.6             | 28.8 | 28.0 | 29.1 | 29.5            | 27.9           | 29.0 | 28.3             | 29.4 | 29.8 |
| 4H 2H  | 25.0             | 26.3 | 25.3 | 26.6 | 26.9            | 25.1           | 26.4 | 25.4             | 26.7 | 27.0 |
| 3H   | 26.8             | 28.0 | 27.2 | 28.3 | 28.7            | 26.9           | 28.1 | 27.3             | 28.4 | 28.8 |
| 4H   | 27.7             | 28.7 | 28.1 | 29.1 | 29.5            | 27.8           | 28.9 | 28.2             | 29.3 | 29.7 |
| 6H   | 28.4             | 29.3 | 28.8 | 29.7 | 30.2            | 28.6           | 29.5 | 29.0             | 29.9 | 30.4 |
| 8H   | 28.7             | 29.5 | 29.1 | 30.0 | 30.4            | 28.9           | 29.7 | 29.3             | 30.2 | 30.6 |
| 12H  | 28.9             | 29.7 | 29.3 | 30.1 | 30.6            | 29.1           | 29.9 | 29.6             | 30.3 | 30.8 |
| 8H 4H  | 28.0             | 28.9 | 28.5 | 29.3 | 29.8            | 28.1           | 29.0 | 28.6             | 29.4 | 29.9 |
| 6H   | 28.9             | 29.6 | 29.4 | 30.1 | 30.6            | 29.1           | 29.8 | 29.6             | 30.3 | 30.8 |
| 8H   | 29.3             | 29.9 | 29.8 | 30.4 | 30.9            | 29.5           | 30.1 | 30.0             | 30.6 | 31.1 |
| 12H  | 29.6             | 30.1 | 30.1 | 30.6 | 31.2            | 29.8           | 30.3 | 30.3             | 30.9 | 31.4 |
| 12H 4H   | 28.0             | 28.8 | 28.5 | 29.3 | 29.8            | 28.1           | 29.0 | 28.6             | 29.4 | 29.9 |
| 6H   | 29.0             | 29.6 | 29.5 | 30.1 | 30.6            | 29.1           | 29.8 | 29.7             | 30.3 | 30.8 |
| 8H   | 29.4             | 30.0 | 29.9 | 30.5 | 31.0            | 29.6           | 30.1 | 30.1             | 30.7 | 31.2 |
| Variations with the observer position at spacings(CIE Pub.117):              |                  |      |      |      |                 |                |      |                  |      |      |
| S = 1.0H   | + 0.1 / - 0.2    |      |      |      |                 | + 0.1 / - 0.2  |      |                  |      |      |
| 1.5H   | + 0.2 / - 0.3    |      |      |      |                 | + 0.2 / - 0.3  |      |                  |      |      |
| 2.0H   | + 0.1 / - 0.3    |      |      |      |                 | + 0.1 / - 0.3  |      |                  |      |      |

CIE Pub.117, 590.4 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.8)  
Area: 0.014 m2

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:Cloud  
Test Date:2024-10-25

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.488  
Humidity:65.0%  
Test Distance:6.360m [K=1.0000]  
Remarks:

## UTILIZATION FACTORS TABLE

|  |                 |                  |
|--|-----------------|------------------|
| Test:U:24.00V I:0.4122A P:9.893W PF:1.000 Freq:0Hz<br>Lamp Flux:590.439x1 lm |                 |                  |
| NAME: SF10-24V-2835-144-2700-80  | TYPE:           | WEIGHT:          |
| SPEC.:   | DIM.: Length=1m | SERIAL No.:      |
| MFR.:  | SUR.:           | Shielding Angle: |

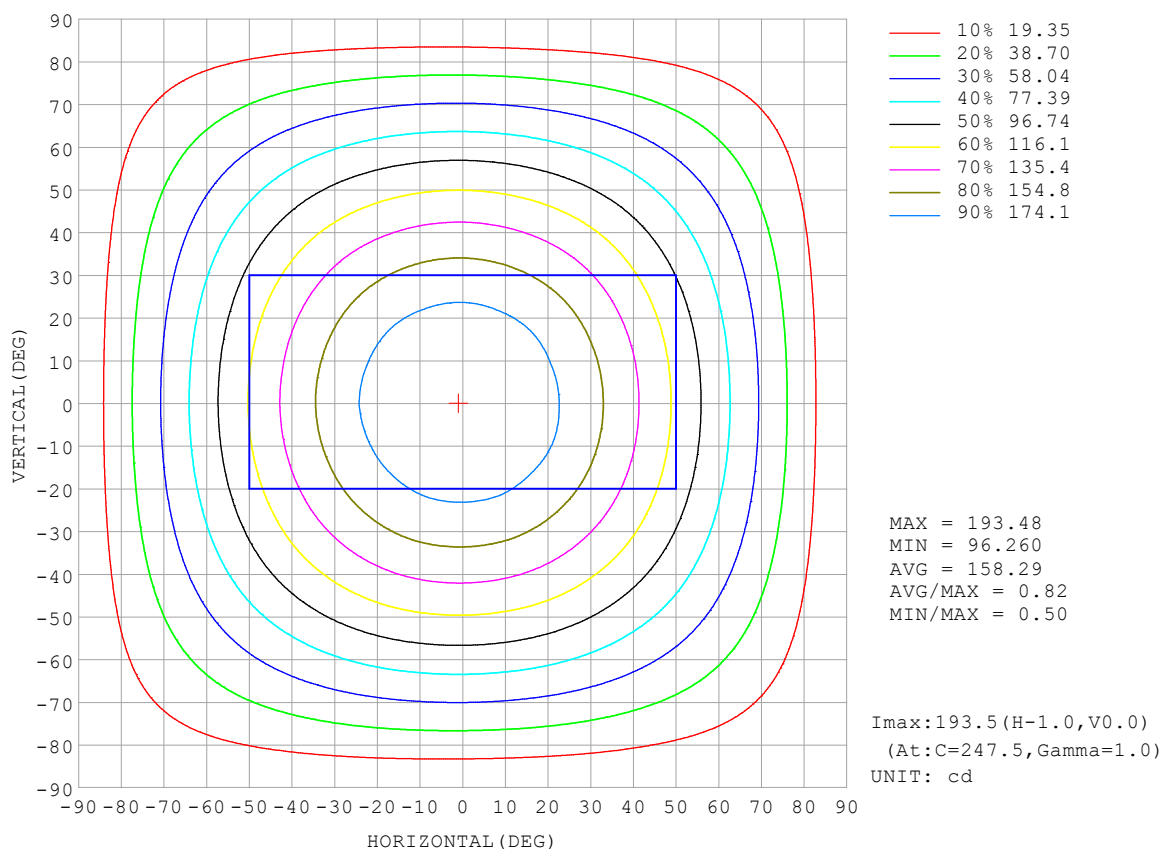
| REFLECTANCE                      |  |     |           |     |     |     |     |               |     |        |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8  | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 56   | 44  | 37        | 55  | 44  | 37  | 53  | 43            | 37  | 30     |
| 0.80                             | 66   | 54  | 46        | 64  | 53  | 46  | 62  | 52            | 45  | 38     |
| 1.00                             | 74   | 62  | 55        | 72  | 62  | 54  | 70  | 63            | 54  | 46     |
| 1.25                             | 81   | 70  | 63        | 79  | 69  | 62  | 76  | 67            | 61  | 53     |
| 1.50                             | 86   | 76  | 68        | 84  | 74  | 68  | 80  | 72            | 66  | 58     |
| 2.00                             | 93   | 84  | 77        | 91  | 82  | 76  | 87  | 80            | 74  | 66     |
| 2.50                             | 97   | 89  | 82        | 94  | 87  | 81  | 90  | 84            | 79  | 70     |
| 3.00                             | 100  | 93  | 87        | 98  | 91  | 86  | 93  | 88            | 83  | 74     |
| 4.00                             | 104  | 98  | 93        | 102 | 96  | 92  | 97  | 92            | 89  | 79     |
| 5.00                             | 107  | 102 | 97        | 104 | 100 | 96  | 99  | 95            | 92  | 82     |
| 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: 25.3°C  
 Operators: Cloud  
 Test Date: 2024-10-25

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.488  
 Humidity: 65.0%  
 Test Distance: 6.360m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

|  |                 |                  |
|--|-----------------|------------------|
| Test:U:24.00V I:0.4122A P:9.893W PF:1.000 Freq:0Hz<br>Lamp Flux:590.439x1 lm |                 |                  |
| NAME: SF10-24V-2835-144-2700-80  | TYPE:           | WEIGHT:          |
| SPEC.:   | DIM.: Length=1m | SERIAL No.:      |
| MFR.:  | SUR.:           | Shielding Angle: |



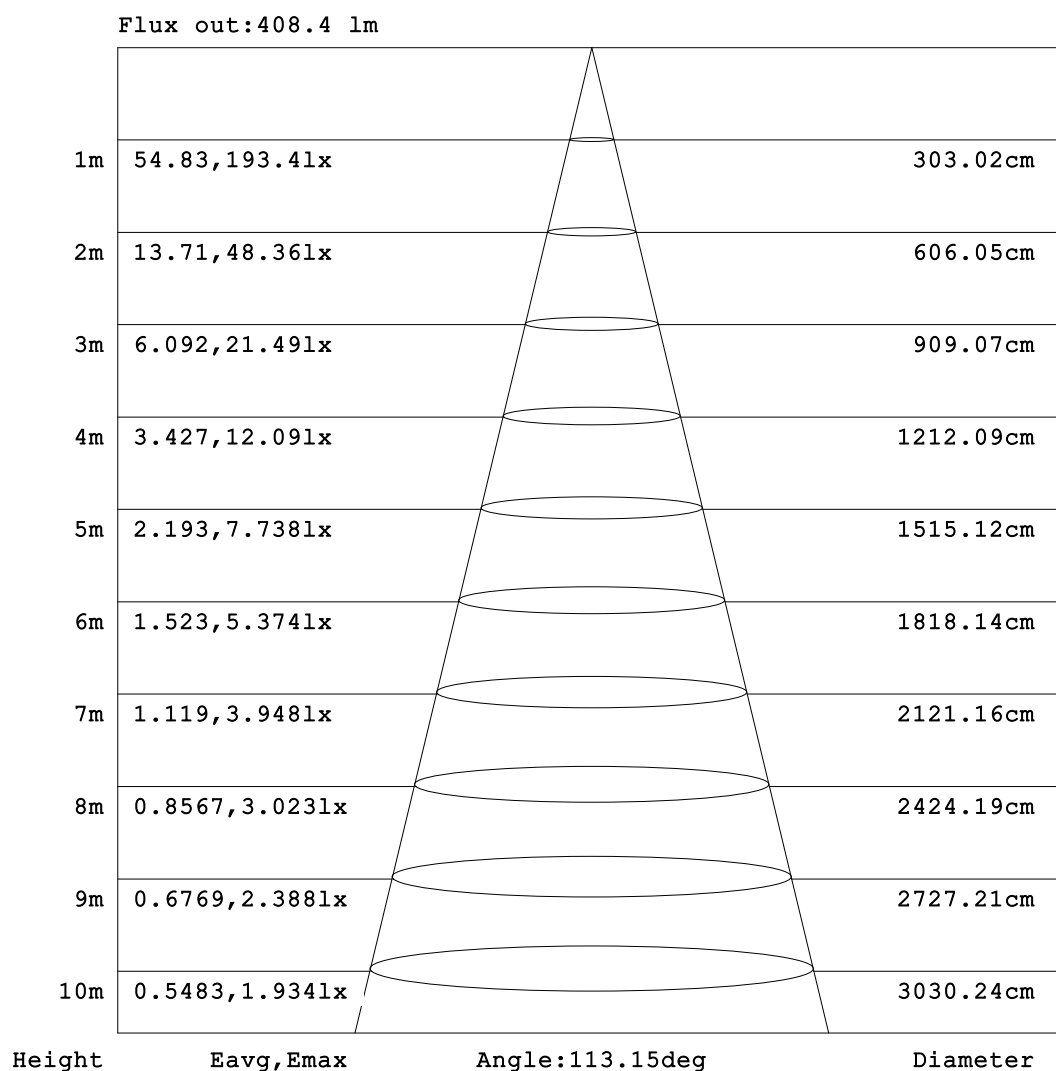
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:Cloud  
Test Date:2024-10-25

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.488  
Humidity:65.0%  
Test Distance:6.360m [K=1.0000]  
Remarks:



## AAI Figure

|  |                 |                  |
|--|-----------------|------------------|
| Test:U:24.00V I:0.4122A P:9.893W PF:1.000 Freq:0Hz<br>Lamp Flux:590.439x1 lm |                 |                  |
| NAME: SF10-24V-2835-144-2700-80  | TYPE:           | WEIGHT:          |
| SPEC.:   | DIM.: Length=1m | SERIAL No.:      |
| MFR.:  | SUR.:           | Shielding Angle: |



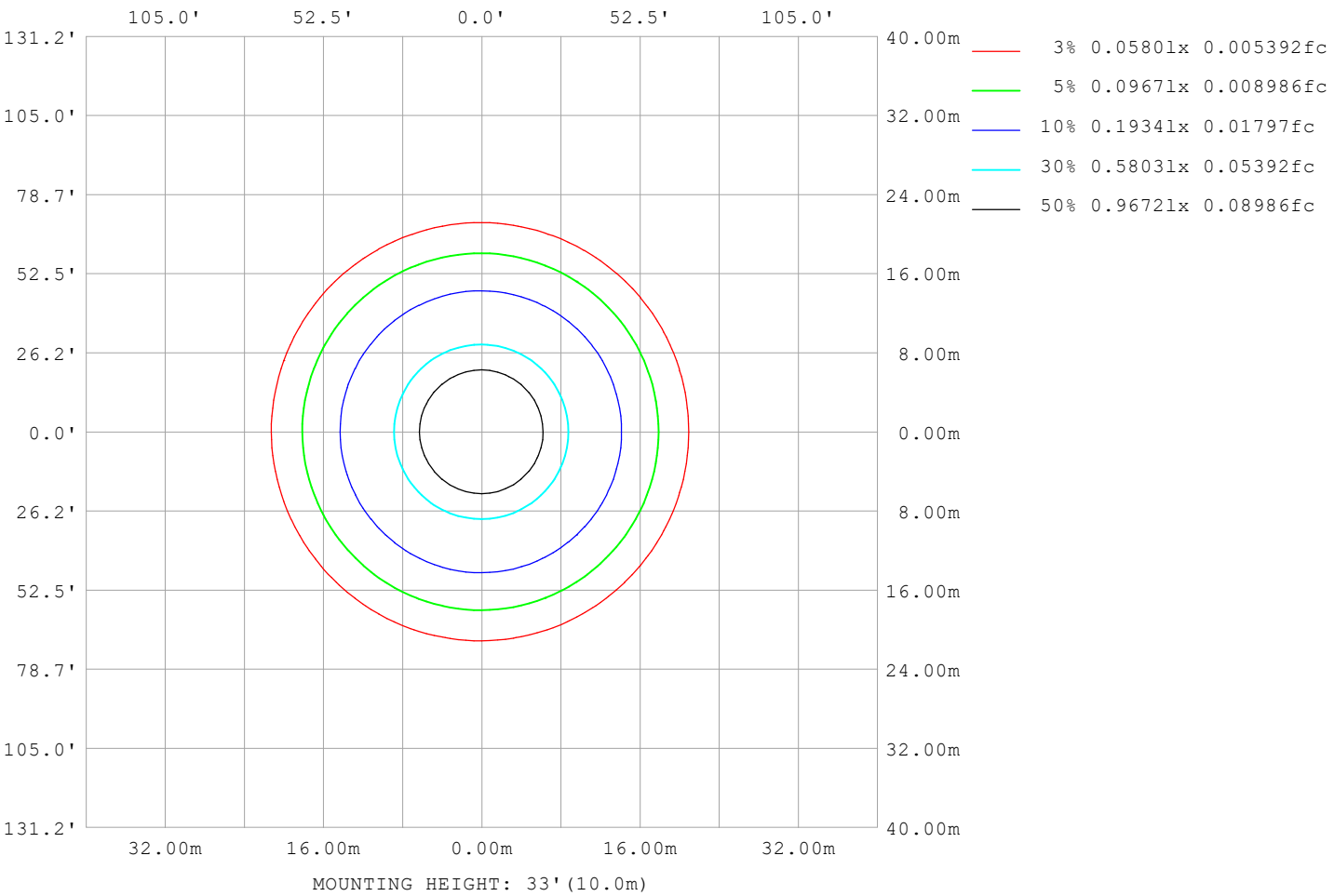
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:Cloud  
Test Date:2024-10-25

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.488  
Humidity:65.0%  
Test Distance:6.360m [K=1.0000]  
Remarks:

ISOLUX DIAGRAM

|  |                 |                  |
|--|-----------------|------------------|
| Test:U:24.00V I:0.4122A P:9.893W PF:1.000 Freq:0Hz<br>Lamp Flux:590.439x1 lm |                 |                  |
| NAME: SF10-24V-2835-144-2700-80  | TYPE:           | WEIGHT:          |
| SPEC.:   | DIM.: Length=1m | SERIAL No.:      |
| MFR.:  | SUR.:           | Shielding Angle: |



|                      |   |
|----------------------|---|
| C Range: 0 - 360DEG  | γ Range: 0 - 180DEG                               |
| C Interval: 22.5DEG  | γ Interval: 1.0DEG                                |
| Test Speed: HIGH     | Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488 |
| Temperature:25.3℃    | Humidity:65.0%                                    |
| Operators:Cloud      | Test Distance:6.360m [K=1.0000]                   |
| Test Date:2024-10-25 | Remarks:  |

## LED Avg.L Report

|  |                 |                  |
|--|-----------------|------------------|
| Test:U:24.00V I:0.4122A P:9.893W PF:1.000 Freq:0Hz<br>Lamp Flux:590.439x1 lm |                 |                  |
| NAME: SF10-24V-2835-144-2700-80  | TYPE:           | WEIGHT:          |
| SPEC.:   | DIM.: Length=1m | SERIAL No.:      |
| MFR.:  | SUR.:           | Shielding Angle: |

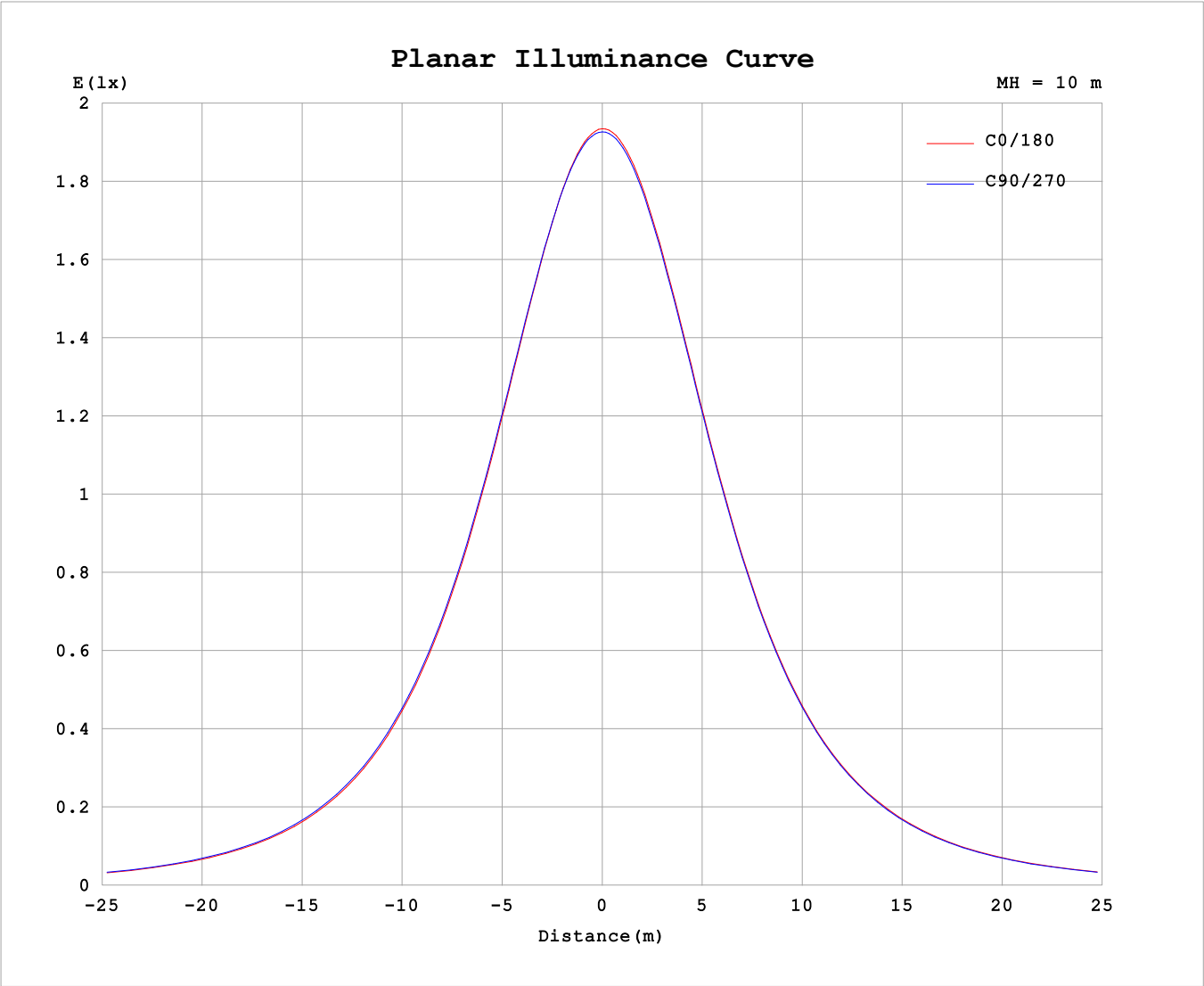
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 12252 |
| L_0~180 (75) av  | 12029 |
| L_0~180 (85) av  | 12597 |
| L_90~270 (65) av | 12386 |
| L_90~270 (75) av | 12122 |
| L_90~270 (85) av | 11860 |
| L_45 (65) av     | 12317 |
| L_45 (75) av     | 12092 |
| L_45 (85) av     | 12142 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:Cloud  
Test Date:2024-10-25

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.488  
Humidity:65.0%  
Test Distance:6.360m [K=1.0000]  
Remarks:

Planar Illuminance Curve



|                      |   |
|----------------------|---|
| C Range: 0 - 360DEG  | γ Range: 0 - 180DEG                               |
| C Interval: 22.5DEG  | γ Interval: 1.0DEG                                |
| Test Speed: HIGH     | Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488 |
| Temperature:25.3℃    | Humidity:65.0%                                    |
| Operators:Cloud      | Test Distance:6.360m [K=1.0000]                   |
| Test Date:2024-10-25 | Remarks:  |

## LUMINOUS DISTRIBUTION INTENSITY DATA

|  |  |  |  |  |  |  |  |  |                 |  |  |  |  |  |                  |  |  |
|--|--|--|--|--|--|--|--|--|-----------------|--|--|--|--|--|------------------|--|--|
| Test:U:24.00V I:0.4122A P:9.893W PF:1.000 Freq:0Hz<br>Lamp Flux:590.439x1 lm |  |  |  |  |  |  |  |  |                 |  |  |  |  |  |                  |  |  |
| NAME: SF10-24V-2835-144-2700-80  |  |  |  |  |  |  |  |  | TYPE:           |  |  |  |  |  | WEIGHT:          |  |  |
| SPEC.:   |  |  |  |  |  |  |  |  | DIM.: Length=1m |  |  |  |  |  | SERIAL No.:      |  |  |
| MFR.:  |  |  |  |  |  |  |  |  | SUR.:           |  |  |  |  |  | Shielding Angle: |  |  |

Table--1

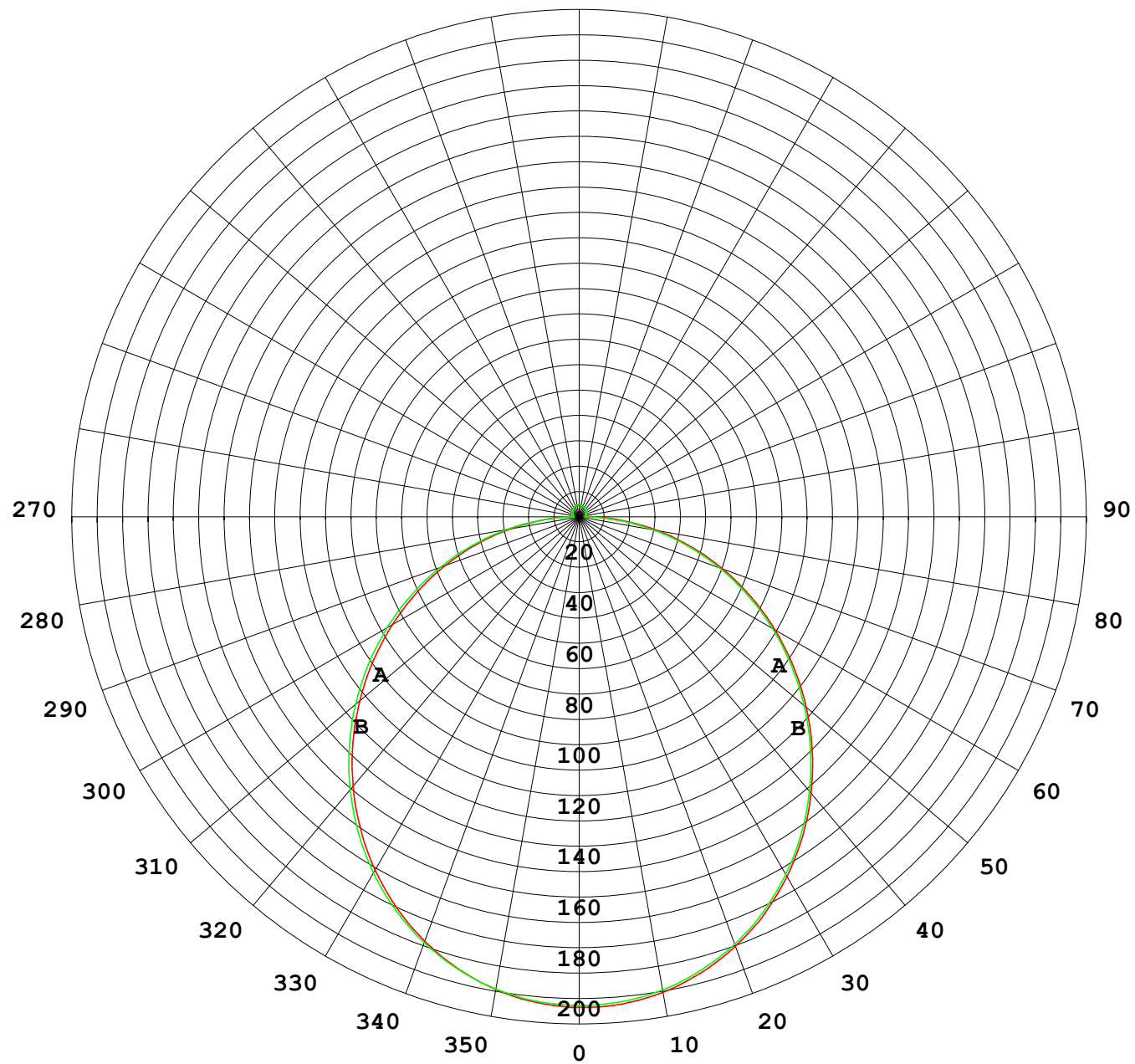
UNIT: cd

| γ (DEG) | C (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       | 193     | 193  | 193  | 193  | 193  | 193   | 193  | 193   | 193  | 193   | 193  | 193   | 193  | 193   | 193  | 193   |  |
| 5       | 192     | 192  | 192  | 192  | 192  | 192   | 192  | 192   | 192  | 192   | 192  | 192   | 192  | 192   | 192  | 192   |  |
| 10      | 189     | 189  | 189  | 189  | 189  | 189   | 190  | 190   | 190  | 190   | 190  | 190   | 190  | 189   | 189  | 189   |  |
| 15      | 184     | 184  | 184  | 185  | 185  | 185   | 185  | 185   | 186  | 185   | 186  | 185   | 185  | 185   | 185  | 184   |  |
| 20      | 178     | 178  | 178  | 179  | 179  | 179   | 179  | 180   | 180  | 180   | 180  | 180   | 179  | 179   | 179  | 178   |  |
| 25      | 170     | 170  | 170  | 171  | 171  | 172   | 172  | 172   | 172  | 172   | 173  | 172   | 172  | 171   | 171  | 170   |  |
| 30      | 160     | 161  | 161  | 162  | 162  | 163   | 163  | 163   | 163  | 163   | 164  | 163   | 163  | 162   | 162  | 161   |  |
| 35      | 150     | 150  | 151  | 152  | 152  | 153   | 153  | 153   | 153  | 153   | 153  | 153   | 153  | 152   | 152  | 151   |  |
| 40      | 138     | 139  | 139  | 140  | 141  | 141   | 141  | 142   | 142  | 142   | 142  | 142   | 141  | 141   | 140  | 139   |  |
| 45      | 126     | 126  | 127  | 128  | 128  | 129   | 129  | 129   | 130  | 130   | 130  | 129   | 129  | 128   | 128  | 127   |  |
| 50      | 113     | 113  | 114  | 115  | 115  | 116   | 116  | 116   | 117  | 117   | 117  | 116   | 116  | 115   | 114  | 113   |  |
| 55      | 98.8    | 99.1 | 99.8 | 101  | 102  | 102   | 102  | 102   | 103  | 103   | 103  | 103   | 102  | 101   | 101  | 99.7  |  |
| 60      | 84.7    | 85.0 | 85.6 | 86.8 | 87.5 | 87.9  | 88.0 | 88.3  | 88.9 | 88.9  | 89.0 | 88.5  | 88.0 | 87.2  | 86.5 | 85.6  |  |
| 65      | 70.4    | 70.7 | 71.2 | 72.4 | 73.0 | 73.5  | 73.6 | 74.0  | 74.6 | 74.6  | 74.6 | 74.0  | 73.5 | 72.7  | 72.1 | 71.2  |  |
| 70      | 56.0    | 56.2 | 56.8 | 57.7 | 58.3 | 58.8  | 59.1 | 59.5  | 60.1 | 60.1  | 60.0 | 59.5  | 58.9 | 58.2  | 57.6 | 56.8  |  |
| 75      | 41.6    | 41.8 | 42.3 | 43.1 | 43.6 | 44.2  | 44.6 | 45.1  | 45.6 | 45.6  | 45.4 | 44.8  | 44.2 | 43.5  | 43.0 | 42.3  |  |
| 80      | 27.1    | 27.4 | 27.8 | 28.5 | 29.0 | 29.6  | 30.0 | 30.6  | 31.1 | 31.0  | 30.8 | 30.1  | 29.5 | 28.9  | 28.4 | 27.8  |  |
| 85      | 13.8    | 13.8 | 13.4 | 13.9 | 14.3 | 15.0  | 15.6 | 16.4  | 17.0 | 16.7  | 16.2 | 15.3  | 14.7 | 14.1  | 14.0 | 14.0  |  |
| 90      | 5.41    | 5.22 | 4.36 | 3.27 | 2.42 | 3.56  | 5.21 | 6.55  | 7.04 | 6.69  | 5.61 | 3.84  | 2.41 | 3.32  | 4.60 | 5.30  |  |
| 95      | 2.44    | 2.43 | 2.43 | 2.45 | 2.46 | 2.47  | 2.45 | 2.50  | 2.48 | 2.43  | 2.49 | 2.51  | 2.42 | 2.48  | 2.53 | 2.38  |  |
| 100     | 2.60    | 2.60 | 2.60 | 2.62 | 2.65 | 2.65  | 2.59 | 2.58  | 2.32 | 2.43  | 2.63 | 2.63  | 2.50 | 2.49  | 2.64 | 2.49  |  |
| 105     | 2.79    | 2.79 | 2.78 | 2.80 | 2.83 | 2.83  | 2.78 | 2.77  | 2.48 | 2.58  | 2.76 | 2.75  | 2.62 | 2.45  | 2.75 | 2.64  |  |
| 110     | 2.97    | 2.97 | 2.96 | 3.01 | 3.00 | 3.02  | 2.97 | 2.96  | 2.65 | 2.74  | 2.90 | 2.89  | 2.80 | 2.57  | 2.81 | 2.79  |  |
| 115     | 3.15    | 3.15 | 3.13 | 3.14 | 3.16 | 3.20  | 3.15 | 3.15  | 2.82 | 2.90  | 3.04 | 3.04  | 2.98 | 2.76  | 2.78 | 2.95  |  |
| 120     | 3.32    | 3.32 | 3.22 | 3.29 | 3.31 | 3.36  | 3.33 | 3.33  | 2.99 | 3.05  | 3.19 | 3.18  | 3.14 | 2.92  | 3.06 | 3.05  |  |
| 125     | 3.49    | 3.49 | 3.37 | 3.44 | 3.45 | 3.53  | 3.50 | 3.51  | 3.15 | 3.21  | 3.33 | 3.33  | 3.30 | 3.09  | 3.26 | 3.09  |  |
| 130     | 3.65    | 3.66 | 3.53 | 3.60 | 3.60 | 3.69  | 3.66 | 3.67  | 3.33 | 3.38  | 3.49 | 3.47  | 3.46 | 3.27  | 3.34 | 3.30  |  |
| 135     | 3.80    | 3.81 | 3.68 | 3.74 | 3.74 | 3.84  | 3.82 | 3.83  | 3.50 | 3.54  | 3.64 | 3.64  | 3.63 | 3.44  | 3.42 | 3.52  |  |
| 140     | 3.94    | 3.83 | 3.82 | 3.88 | 3.89 | 3.99  | 3.98 | 3.99  | 3.68 | 3.72  | 3.81 | 3.80  | 3.80 | 3.64  | 3.71 | 3.71  |  |
| 145     | 4.08    | 3.96 | 3.96 | 4.03 | 4.03 | 4.16  | 4.14 | 4.15  | 3.86 | 3.88  | 3.98 | 3.96  | 3.97 | 3.86  | 3.90 | 3.88  |  |
| 150     | 4.23    | 4.11 | 4.11 | 4.18 | 4.25 | 4.31  | 4.29 | 4.30  | 4.03 | 4.06  | 4.15 | 4.14  | 4.14 | 4.08  | 4.08 | 4.05  |  |
| 155     | 4.37    | 4.26 | 4.25 | 4.41 | 4.42 | 4.47  | 4.45 | 4.46  | 4.21 | 4.24  | 4.33 | 4.31  | 4.31 | 4.26  | 4.27 | 4.22  |  |
| 160     | 4.51    | 4.41 | 4.51 | 4.55 | 4.57 | 4.62  | 4.59 | 4.60  | 4.39 | 4.41  | 4.48 | 4.47  | 4.48 | 4.43  | 4.43 | 4.38  |  |
| 165     | 4.64    | 4.54 | 4.64 | 4.69 | 4.70 | 4.74  | 4.71 | 4.72  | 4.53 | 4.56  | 4.63 | 4.63  | 4.64 | 4.59  | 4.58 | 4.54  |  |
| 170     | 4.64    | 4.68 | 4.74 | 4.80 | 4.80 | 4.84  | 4.80 | 4.81  | 4.57 | 4.69  | 4.75 | 4.75  | 4.78 | 4.73  | 4.73 | 4.68  |  |
| 175     | 4.69    | 4.83 | 4.83 | 4.89 | 4.88 | 4.91  | 4.88 | 4.87  | 4.68 | 4.79  | 4.85 | 4.85  | 4.89 | 4.84  | 4.83 | 4.78  |  |
| 180     | 4.74    | 4.86 | 4.88 | 4.91 | 4.93 | 4.93  | 4.90 | 4.89  | 4.74 | 4.85  | 4.88 | 4.91  | 4.93 | 4.92  | 4.91 | 4.87  |  |

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:Cloud  
Test Date:2024-10-25

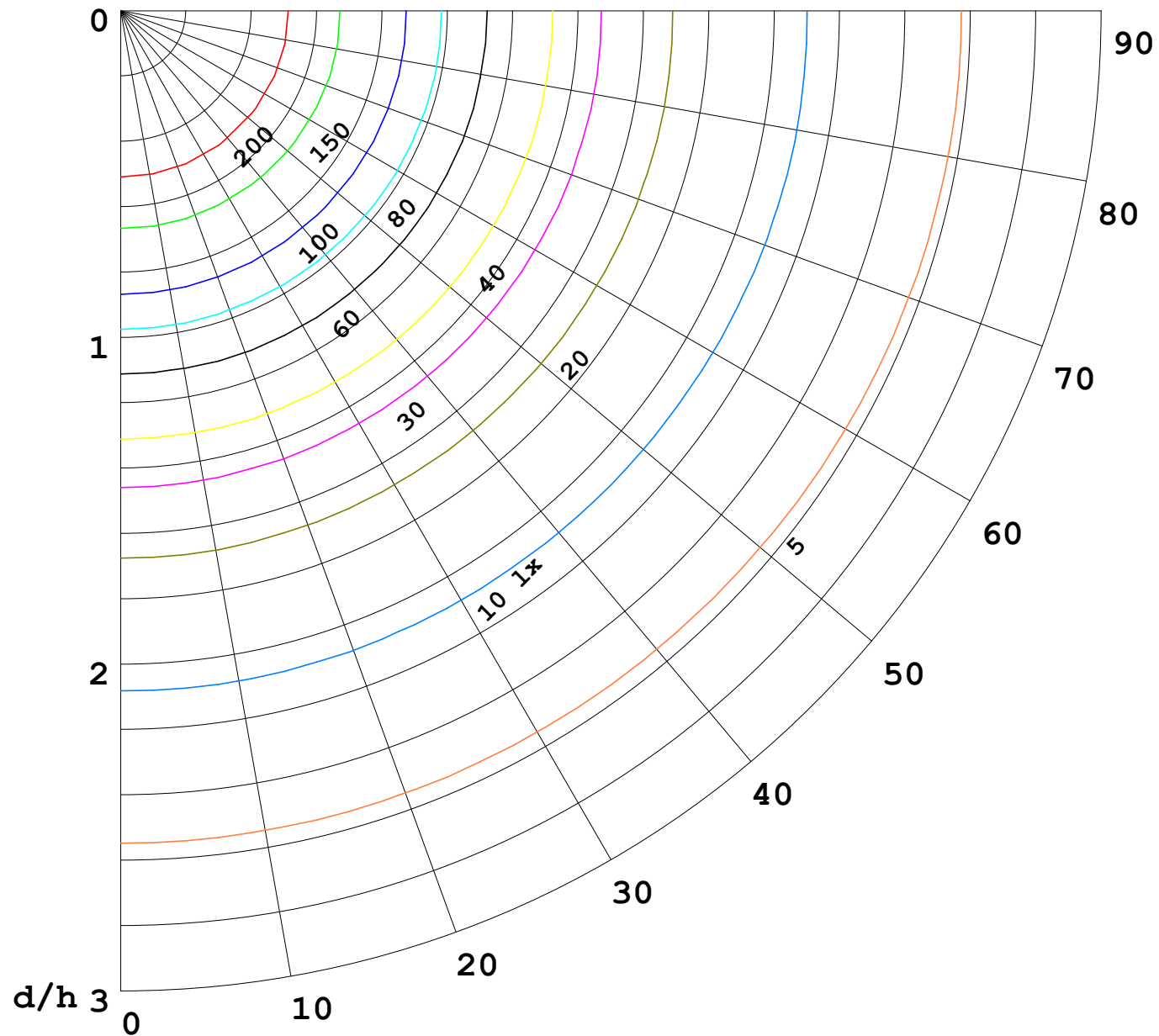
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.488  
Humidity:65.0%  
Test Distance:6.360m [K=1.0000]  
Remarks:

I (cd)



1000 lm

$\kappa = 1$



F = 1000 lm  
 K = 0.7  
 Hcc = 0.8 m  
 Hfc = 0.0 m  
 Eave = 100 lx

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

