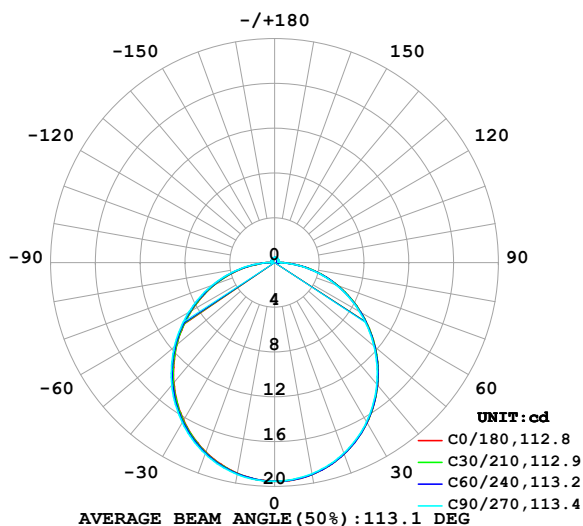


LUMINAIRE PHOTOMETRIC TEST REPORT

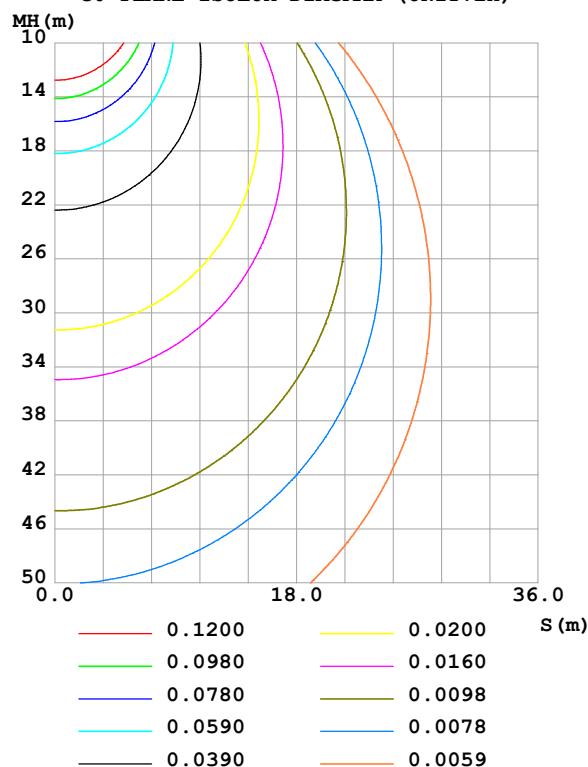
| | | |
|--|-----------------|------------------|
| Test:U:24.00V I:0.2861A P:6.866W PF:1.000 Freq:0Hz Lamp Flux:59.5933x1 lm | | |
| NAME: SF10-24V-5050-84-SPI-RGBW(4000K)-B | TYPE: | WEIGHT: |
| SPEC.: | DIM.: Length=1m | SERIAL No.: |
| MFR.: OLympia lighting | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | | Eff: 8.68 lm/W |
|------------------|---------|-----------------------|--------|-------------------|----------|----------------|
| MODEL | 2835 | I _{max} (cd) | 19.53 | S/MH(C0/180) | 1.24 | |
| NOMINAL POWER(W) | | LOR(%) | 100.0 | S/MH(C90/270) | 1.26 | |
| RATED VOLTAGE(V) | 24 | TOTAL FLUX(lm) | 59.619 | η UP,DN(C0-180) | 1.8,48.2 | |
| NOMINAL FLUX(lm) | 59.5933 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 1.7,48.3 | |
| LAMPS INSIDE | 1 | η up (%) | 3.6 | CIBSE SHR NOM | 1.25 | |
| TEST VOLTAGE(V) | | η down (%) | 96.5 | CIBSE SHR MAX | 1.35 | |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators:
Test Date: 2025-03-15

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:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum,lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|-----------|
| 10 | 19.23 | 19.21 | 19.16 | 19.12 | 19.11 | 19.15 | 19.21 | 19.24 | 0- 10 | 1.848 | 1.848 | 3.1,3.1 |
| 20 | 18.18 | 18.18 | 18.12 | 18.03 | 18.00 | 18.07 | 18.17 | 18.22 | 10- 20 | 5.286 | 7.134 | 12,12 |
| 30 | 16.52 | 16.50 | 16.43 | 16.30 | 16.26 | 16.36 | 16.50 | 16.57 | 20- 30 | 7.994 | 15.13 | 25.4,25.4 |
| 40 | 14.31 | 14.30 | 14.20 | 14.05 | 14.01 | 14.12 | 14.29 | 14.37 | 30- 40 | 9.619 | 24.75 | 41.5,41.5 |
| 50 | 11.73 | 11.70 | 11.59 | 11.42 | 11.39 | 11.50 | 11.68 | 11.79 | 40- 50 | 9.985 | 34.73 | 58.3,58.3 |
| 60 | 8.900 | 8.873 | 8.772 | 8.574 | 8.559 | 8.663 | 8.846 | 8.969 | 50- 60 | 9.125 | 43.86 | 73.6,73.6 |
| 70 | 5.989 | 5.960 | 5.865 | 5.652 | 5.645 | 5.744 | 5.916 | 6.048 | 60- 70 | 7.240 | 51.10 | 85.7,85.7 |
| 80 | 3.104 | 3.059 | 2.969 | 2.761 | 2.758 | 2.853 | 3.020 | 3.148 | 70- 80 | 4.644 | 55.74 | 93.5,93.5 |
| 90 | 0.6855 | 0.5372 | 0.6005 | 0.4302 | 0.5181 | 0.4474 | 0.2960 | 0.5815 | 80- 90 | 1.741 | 57.48 | 96.4,96.5 |
| 100 | 0.2521 | 0.2779 | 0.3588 | 0.2862 | 0.2366 | 0.2692 | 0.2858 | 0.2675 | 90-100 | 0.3484 | 57.83 | 97,97 |
| 110 | 0.2654 | 0.2898 | 0.3298 | 0.3088 | 0.2649 | 0.2915 | 0.3118 | 0.2843 | 100-110 | 0.2994 | 58.13 | 97.5,97.5 |
| 120 | 0.2971 | 0.3114 | 0.3523 | 0.3333 | 0.2972 | 0.3175 | 0.3377 | 0.3117 | 110-120 | 0.3037 | 58.43 | 98,98.1 |
| 130 | 0.3288 | 0.3464 | 0.3817 | 0.3639 | 0.3318 | 0.3459 | 0.3494 | 0.3347 | 120-130 | 0.2989 | 58.73 | 98.5,98.6 |
| 140 | 0.3606 | 0.3781 | 0.4043 | 0.3896 | 0.3664 | 0.3738 | 0.3696 | 0.3593 | 130-140 | 0.2794 | 59.01 | 99,99 |
| 150 | 0.3923 | 0.4128 | 0.4418 | 0.4179 | 0.3953 | 0.3998 | 0.3956 | 0.3882 | 140-150 | 0.2447 | 59.26 | 99.4,99.4 |
| 160 | 0.4212 | 0.4402 | 0.4593 | 0.4384 | 0.4328 | 0.4301 | 0.4206 | 0.4211 | 150-160 | 0.1941 | 59.45 | 99.7,99.8 |
| 170 | 0.4402 | 0.4527 | 0.4640 | 0.4524 | 0.4529 | 0.4484 | 0.4466 | 0.4451 | 160-170 | 0.1252 | 59.58 | 99.9,100 |
| 180 | 0.4529 | 0.4590 | 0.4649 | 0.4603 | 0.4529 | 0.4604 | 0.4620 | 0.4603 | 170-180 | 0.0433 | 59.62 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 29.775 lm

%lum = 49.9%

%lamp = 50.0%

Conical surface Flux(130deg): 47.765 lm

%lum = 80.1%

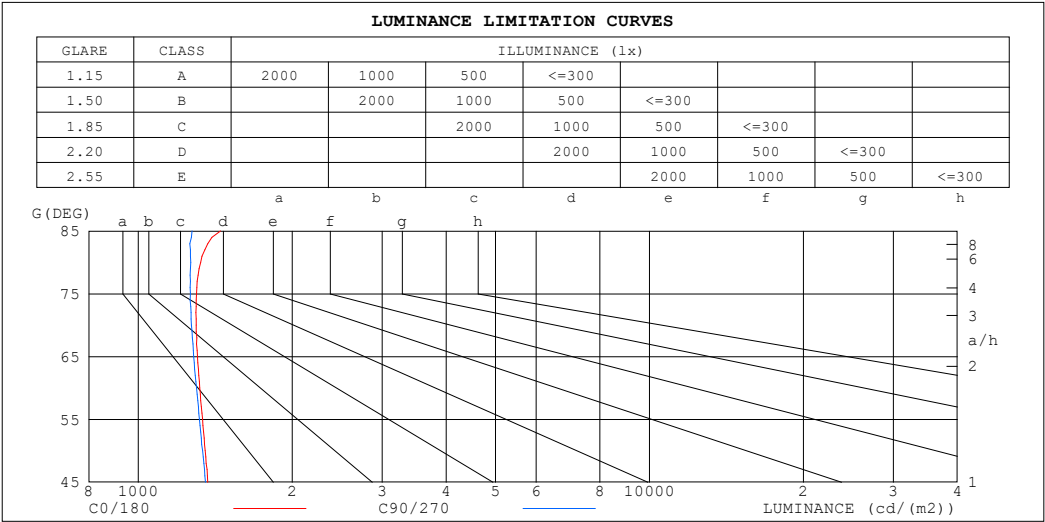
%lamp = 80.2%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:
 Test Date:2025-03-15

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:

LUMINANCE LIMITATION CURVES

| | | |
|--|-----------------|------------------|
| Test:U:24.00V I:0.2861A P:6.866W PF:1.000 Freq:0Hz Lamp Flux:59.5933x1 lm | | |
| NAME: SF10-24V-5050-84-SPI-RGBW(4000K)-B | TYPE: | WEIGHT: |
| SPEC.: | DIM.: Length=1m | SERIAL No.: |
| MFR.: OLYMPIA lighting | SUR.: | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 1448 | 1273 |
| 80 | 1325 | 1266 |
| 75 | 1300 | 1264 |
| 70 | 1298 | 1270 |
| 65 | 1306 | 1284 |
| 60 | 1319 | 1299 |
| 55 | 1335 | 1317 |
| 50 | 1352 | 1335 |
| 45 | 1368 | 1354 |

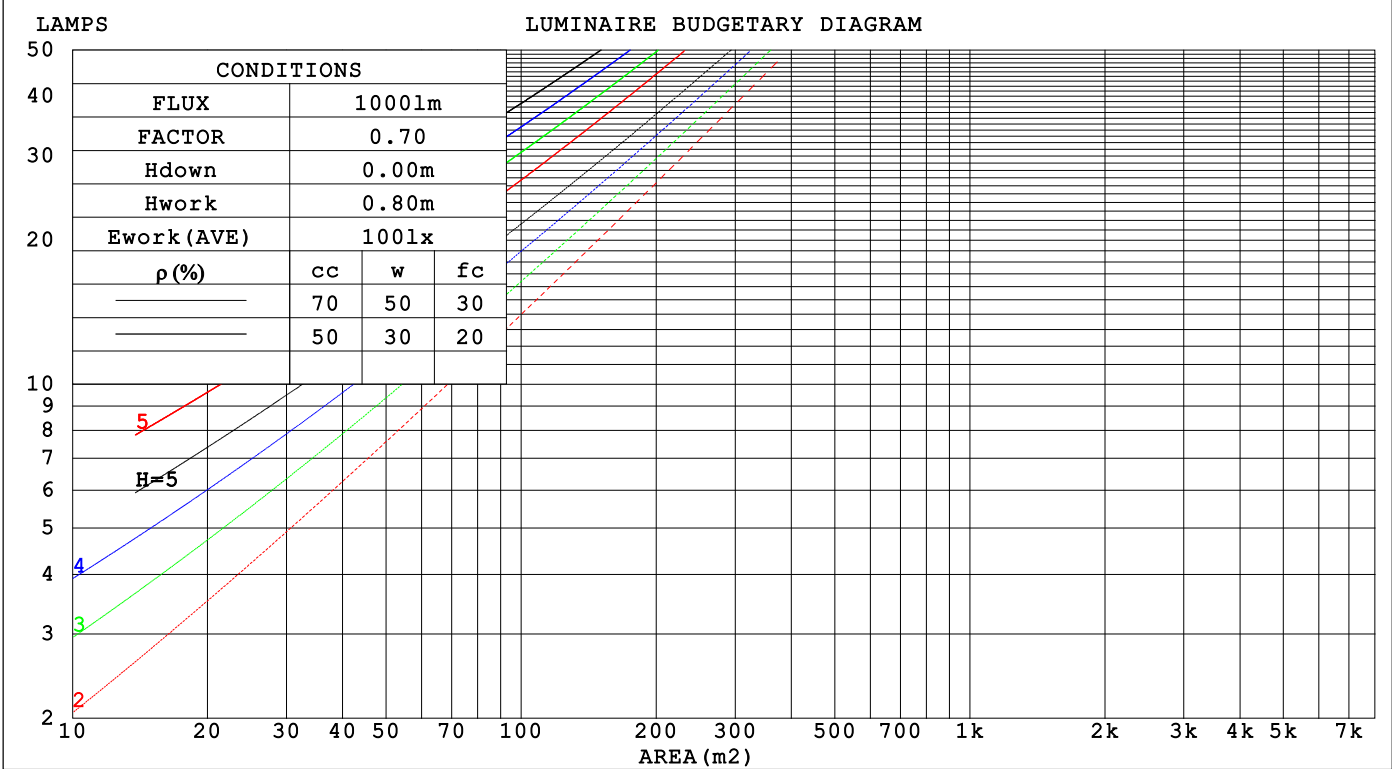
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2025-03-15

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|--|-----------------|------------------|
| Test:U:24.00V I:0.2861A P:6.866W PF:1.000 Freq:0Hz | | |
| Lamp Flux:59.5933x1 lm | | |
| NAME: SF10-24V-5050-84-SPI-RGBW(4000K)-B | TYPE: | WEIGHT: |
| SPEC.: | DIM.: Length=1m | SERIAL No.: |
| MFR.: OLYMPIA lighting | 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 | | | Coefficients of Utilization(CU) | | | | | | | | | | | | |
| 0.0 | 1.18 | 1.18 | 1.18 | 1.15 | 1.15 | 1.15 | 1.09 | 1.09 | 1.09 | 1.04 | 1.04 | 1.04 | .99 | .99 | .99 | .96 |
| 1.0 | 1.02 | .98 | .94 | .00 | .96 | .92 | .95 | .91 | .88 | .90 | .87 | .85 | .86 | .84 | .82 | .79 |
| 2.0 | .89 | .82 | .76 | .86 | .80 | .74 | .82 | .77 | .72 | .78 | .74 | .70 | .75 | .71 | .68 | .66 |
| 3.0 | .78 | .69 | .63 | .76 | .68 | .62 | .72 | .66 | .60 | .69 | .63 | .59 | .66 | .61 | .57 | .55 |
| 4.0 | .69 | .60 | .53 | .67 | .59 | .52 | .64 | .57 | .51 | .61 | .55 | .50 | .59 | .53 | .49 | .47 |
| 5.0 | .61 | .52 | .45 | .60 | .51 | .45 | .57 | .50 | .44 | .55 | .48 | .43 | .53 | .47 | .42 | .40 |
| 6.0 | .55 | .46 | .39 | .54 | .45 | .39 | .52 | .44 | .39 | .50 | .43 | .38 | .48 | .42 | .37 | .35 |
| 7.0 | .50 | .41 | .35 | .49 | .41 | .35 | .47 | .40 | .34 | .45 | .39 | .34 | .44 | .38 | .33 | .31 |
| 8.0 | .45 | .37 | .31 | .45 | .36 | .31 | .43 | .36 | .30 | .41 | .35 | .30 | .40 | .34 | .30 | .28 |
| 9.0 | .42 | .33 | .28 | .41 | .33 | .28 | .40 | .32 | .27 | .38 | .32 | .27 | .37 | .31 | .27 | .25 |
| 10.0 | .38 | .31 | .25 | .38 | .30 | .25 | .37 | .30 | .25 | .35 | .29 | .25 | .34 | .28 | .24 | .22 |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2025-03-15

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:0.2861A P:6.866W PF:1.000 Freq:0Hz Lamp Flux:59.5933x1 lm | | |
| NAME: SF10-24V-5050-84-SPI-RGBW(4000K)-B | TYPE: | WEIGHT: |
| SPEC.: | DIM.: Length=1m | SERIAL No.: |
| MFR.: OLympia lighting | 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 | .288 | .166 | .053 | .275 | .159 | .051 | | | | | | | | | | | | | | | |
| 2.0 | .301 | .165 | .051 | .293 | .162 | .050 | .280 | .155 | .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 | .121 | .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 | .106 | .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 | .184 | .161 | .179 | .158 | .138 | .122 | .108 | .096 | .070 | .063 | .056 | .023 | .020 | .018 | |
| 2.0 | .201 | .160 | .125 | .172 | .137 | .108 | .118 | .095 | .075 | .068 | .055 | .044 | .022 | .018 | .014 | |
| 3.0 | .194 | .142 | .101 | .166 | .123 | .088 | .114 | .085 | .062 | .066 | .050 | .036 | .021 | .016 | .012 | |
| 4.0 | .186 | .129 | .086 | .159 | .112 | .075 | .110 | .078 | .052 | .063 | .046 | .031 | .020 | .015 | .010 | |
| 5.0 | .178 | .119 | .075 | .153 | .103 | .065 | .105 | .072 | .046 | .061 | .042 | .027 | .020 | .014 | .009 | |
| 6.0 | .171 | .111 | .067 | .147 | .096 | .058 | .101 | .067 | .041 | .059 | .039 | .025 | .019 | .013 | .008 | |
| 7.0 | .164 | .104 | .061 | .141 | .090 | .053 | .098 | .063 | .038 | .057 | .037 | .023 | .018 | .012 | .007 | |
| 8.0 | .158 | .098 | .057 | .136 | .085 | .050 | .094 | .060 | .035 | .055 | .035 | .021 | .018 | .012 | .007 | |
| 9.0 | .152 | .093 | .054 | .131 | .081 | .047 | .090 | .057 | .033 | .053 | .034 | .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: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2025-03-15

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:0.2861A P:6.866W PF:1.000 Freq:0Hz Lamp Flux:59.5933x1 lm | | | | | | | | | | | |
| NAME: SF10-24V-5050-84-SPI-RGBW(4000K)-B | | | | | TYPE: | | | WEIGHT: | | | |
| SPEC.: | | | | | DIM.: Length=1m | | | SERIAL No.: | | | |
| MFR.: OLympia lighting | | | | | 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 | 2H | 22.7 | 24.2 | 23.0 | 24.5 | 24.7 | 22.6 | 24.1 | 23.0 | 24.4 | 24.7 |
| | 3H | 24.4 | 25.8 | 24.7 | 26.1 | 26.4 | 24.3 | 25.7 | 24.7 | 26.0 | 26.3 |
| | 4H | 25.2 | 26.5 | 25.5 | 26.8 | 27.1 | 25.1 | 26.4 | 25.4 | 26.7 | 27.0 |
| | 6H | 25.8 | 27.0 | 26.2 | 27.4 | 27.7 | 25.7 | 26.9 | 26.1 | 27.3 | 27.6 |
| | 8H | 26.1 | 27.3 | 26.5 | 27.6 | 28.0 | 25.9 | 27.1 | 26.3 | 27.5 | 27.8 |
| | 12H | 26.3 | 27.4 | 26.7 | 27.8 | 28.2 | 26.1 | 27.2 | 26.5 | 27.6 | 28.0 |
| 4H | 2H | 23.3 | 24.6 | 23.7 | 25.0 | 25.3 | 23.3 | 24.6 | 23.7 | 24.9 | 25.2 |
| | 3H | 25.2 | 26.4 | 25.6 | 26.8 | 27.1 | 25.2 | 26.3 | 25.6 | 26.7 | 27.1 |
| | 4H | 26.1 | 27.2 | 26.6 | 27.6 | 28.0 | 26.1 | 27.1 | 26.5 | 27.5 | 27.9 |
| | 6H | 26.9 | 27.9 | 27.4 | 28.3 | 28.7 | 26.8 | 27.8 | 27.3 | 28.2 | 28.6 |
| | 8H | 27.3 | 28.2 | 27.7 | 28.6 | 29.1 | 27.1 | 28.0 | 27.6 | 28.4 | 28.9 |
| | 12H | 27.6 | 28.4 | 28.0 | 28.8 | 29.3 | 27.4 | 28.2 | 27.9 | 28.6 | 29.1 |
| 8H | 4H | 26.5 | 27.4 | 27.0 | 27.8 | 28.3 | 26.4 | 27.3 | 26.9 | 27.7 | 28.2 |
| | 6H | 27.5 | 28.2 | 28.0 | 28.7 | 29.2 | 27.4 | 28.1 | 27.9 | 28.6 | 29.1 |
| | 8H | 27.9 | 28.6 | 28.4 | 29.1 | 29.6 | 27.8 | 28.4 | 28.3 | 28.9 | 29.4 |
| | 12H | 28.3 | 28.9 | 28.9 | 29.4 | 30.0 | 28.1 | 28.7 | 28.7 | 29.2 | 29.8 |
| 12H | 4H | 26.5 | 27.3 | 27.0 | 27.8 | 28.3 | 26.4 | 27.2 | 26.9 | 27.7 | 28.2 |
| | 6H | 27.6 | 28.2 | 28.1 | 28.7 | 29.2 | 27.5 | 28.1 | 28.0 | 28.6 | 29.1 |
| | 8H | 28.1 | 28.6 | 28.6 | 29.2 | 29.7 | 27.9 | 28.5 | 28.5 | 29.0 | 29.6 |
| 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, 59.59 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -9.8)
Area: 0.0135 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2025-03-15

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:0.2861A P:6.866W PF:1.000 Freq:0Hz Lamp Flux:59.5933x1 lm | | |
| NAME: SF10-24V-5050-84-SPI-RGBW(4000K)-B | TYPE: | WEIGHT: |
| SPEC.: | DIM.: Length=1m | SERIAL No.: |
| MFR.: OLympia lighting | SUR.: | Shielding Angle: |

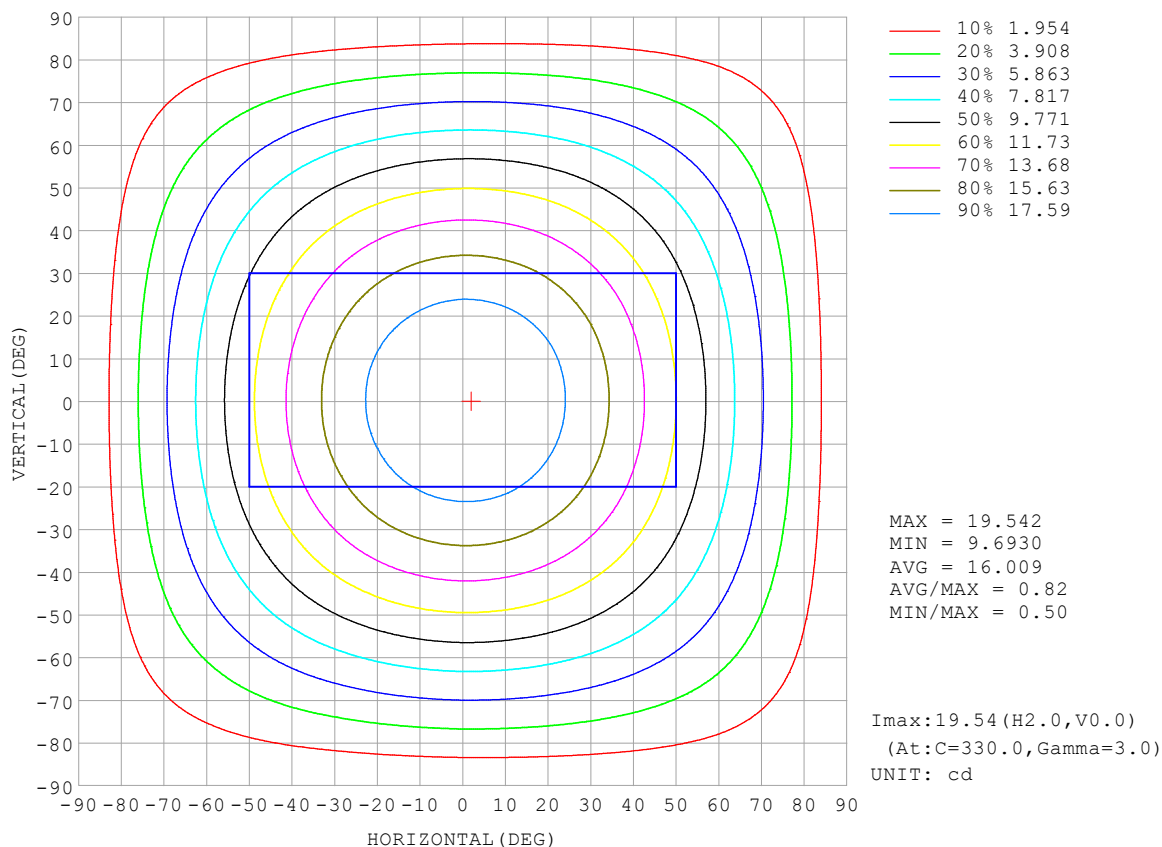
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 54 | 43 | 37 | 30 |
| 0.80 | 66 | 54 | 46 | 64 | 53 | 46 | 62 | 52 | 45 | 38 |
| 1.00 | 74 | 62 | 55 | 72 | 62 | 55 | 70 | 63 | 54 | 46 |
| 1.25 | 81 | 70 | 63 | 79 | 69 | 62 | 76 | 67 | 61 | 53 |
| 1.50 | 86 | 76 | 68 | 84 | 75 | 68 | 81 | 72 | 66 | 58 |
| 2.00 | 93 | 84 | 77 | 91 | 82 | 76 | 87 | 80 | 74 | 66 |
| 2.50 | 97 | 89 | 82 | 95 | 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: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators:
 Test Date: 2025-03-15

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:0.2861A P:6.866W PF:1.000 Freq:0Hz Lamp Flux:59.5933x1 lm | | |
| NAME: SF10-24V-5050-84-SPI-RGBW(4000K)-B | TYPE: | WEIGHT: |
| SPEC.: | DIM.: Length=1m | SERIAL No.: |
| MFR.: OLympia lighting | SUR.: | Shielding Angle: |

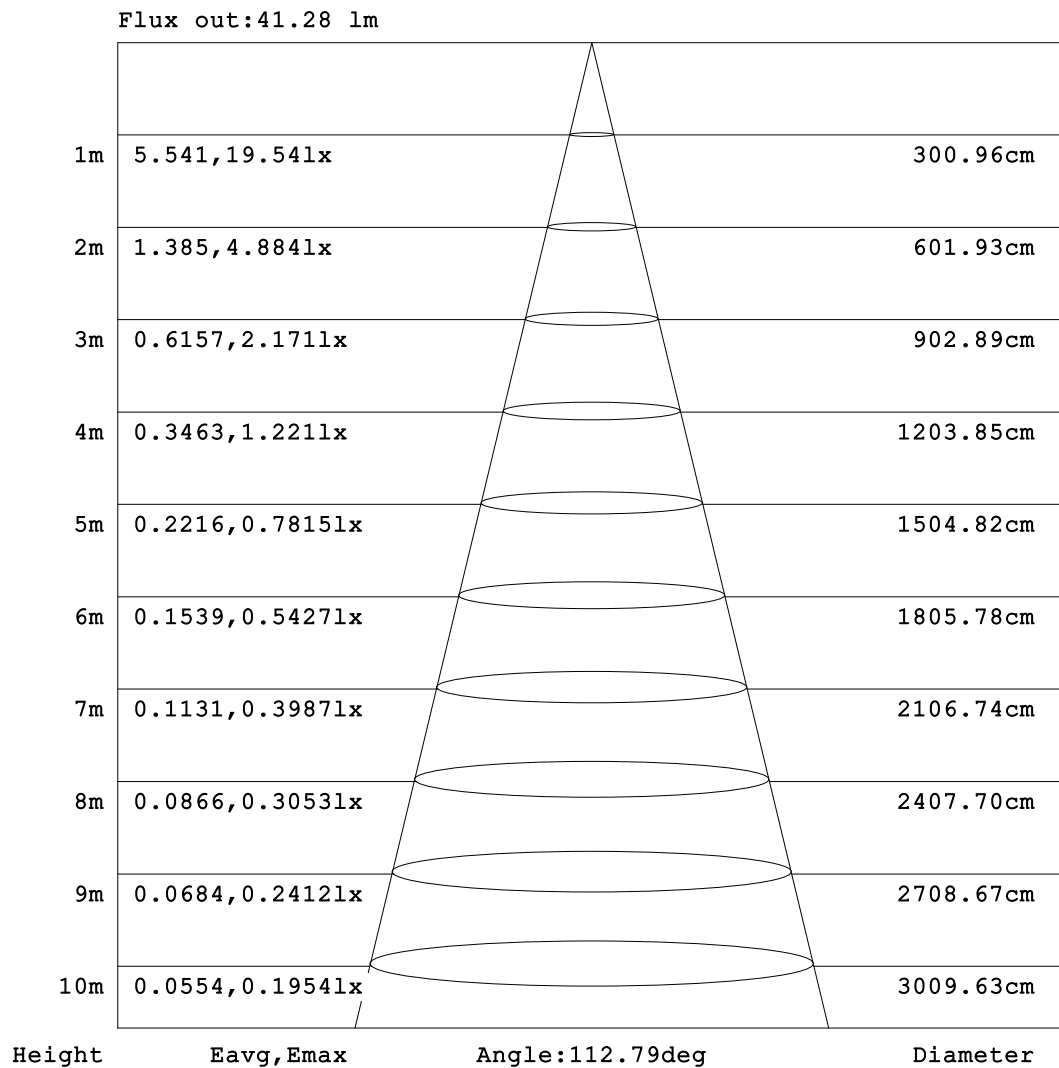


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2025-03-15

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:0.2861A P:6.866W PF:1.000 Freq:0Hz Lamp Flux:59.5933x1 lm | | |
| NAME: SF10-24V-5050-84-SPI-RGBW(4000K)-B | TYPE: | WEIGHT: |
| SPEC.: | DIM.: Length=1m | SERIAL No.: |
| MFR.: OLympia lighting | SUR.: | Shielding Angle: |



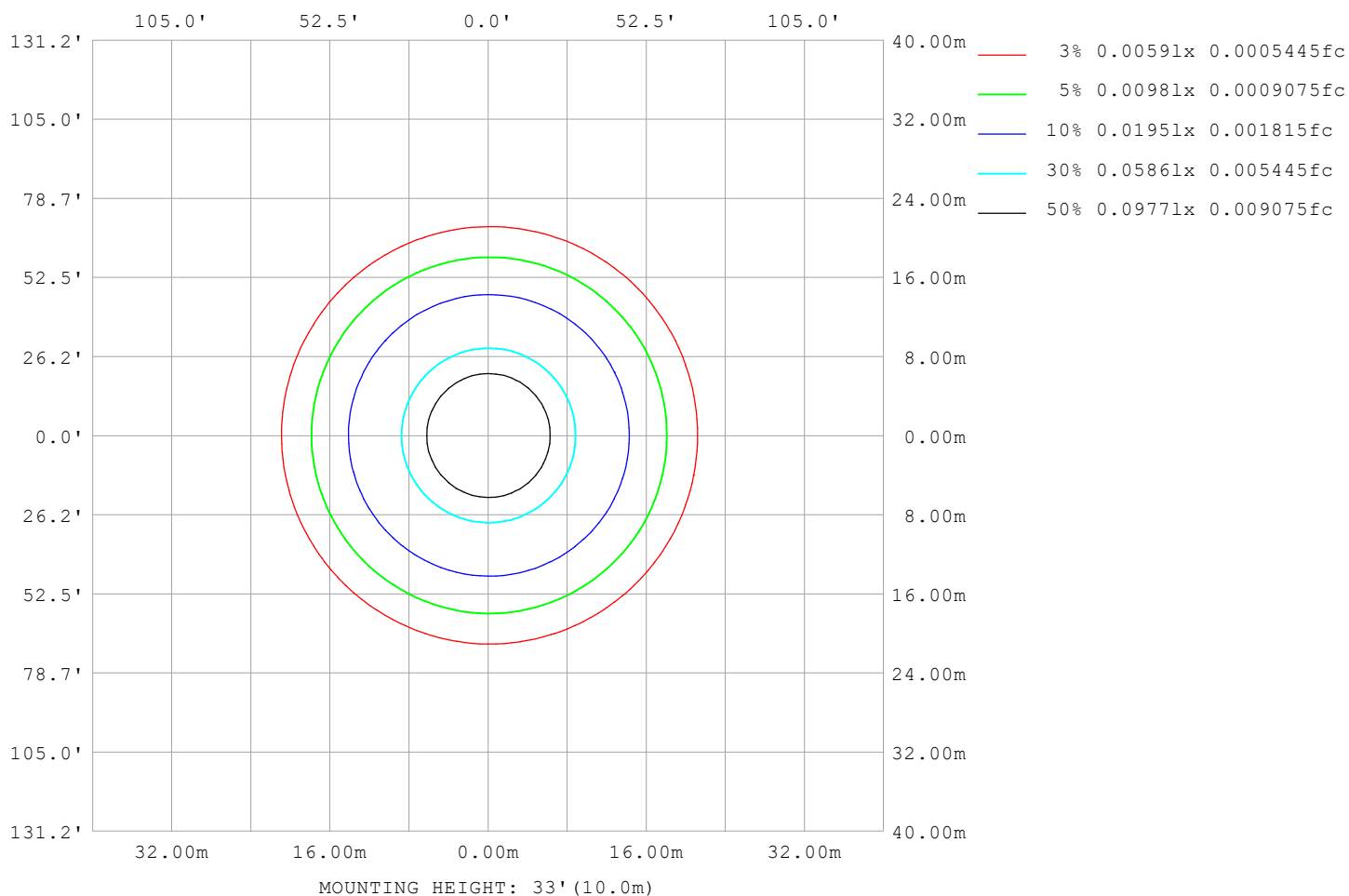
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2025-03-15

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:0.2861A P:6.866W PF:1.000 Freq:0Hz Lamp Flux:59.5933x1 lm | | |
| NAME: SF10-24V-5050-84-SPI-RGBW(4000K)-B | TYPE: | WEIGHT: |
| SPEC.: | DIM.: Length=1m | SERIAL No.: |
| MFR.: OLympia lighting | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 2025-03-15

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:

LED Avg.L Report

| | | |
|--|-----------------|------------------|
| Test:U:24.00V I:0.2861A P:6.866W PF:1.000 Freq:0Hz Lamp Flux:59.5933x1 lm | | |
| NAME: SF10-24V-5050-84-SPI-RGBW(4000K)-B | TYPE: | WEIGHT: |
| SPEC.: | DIM.: Length=1m | SERIAL No.: |
| MFR.: OLympia lighting | SUR.: | Shielding Angle: |

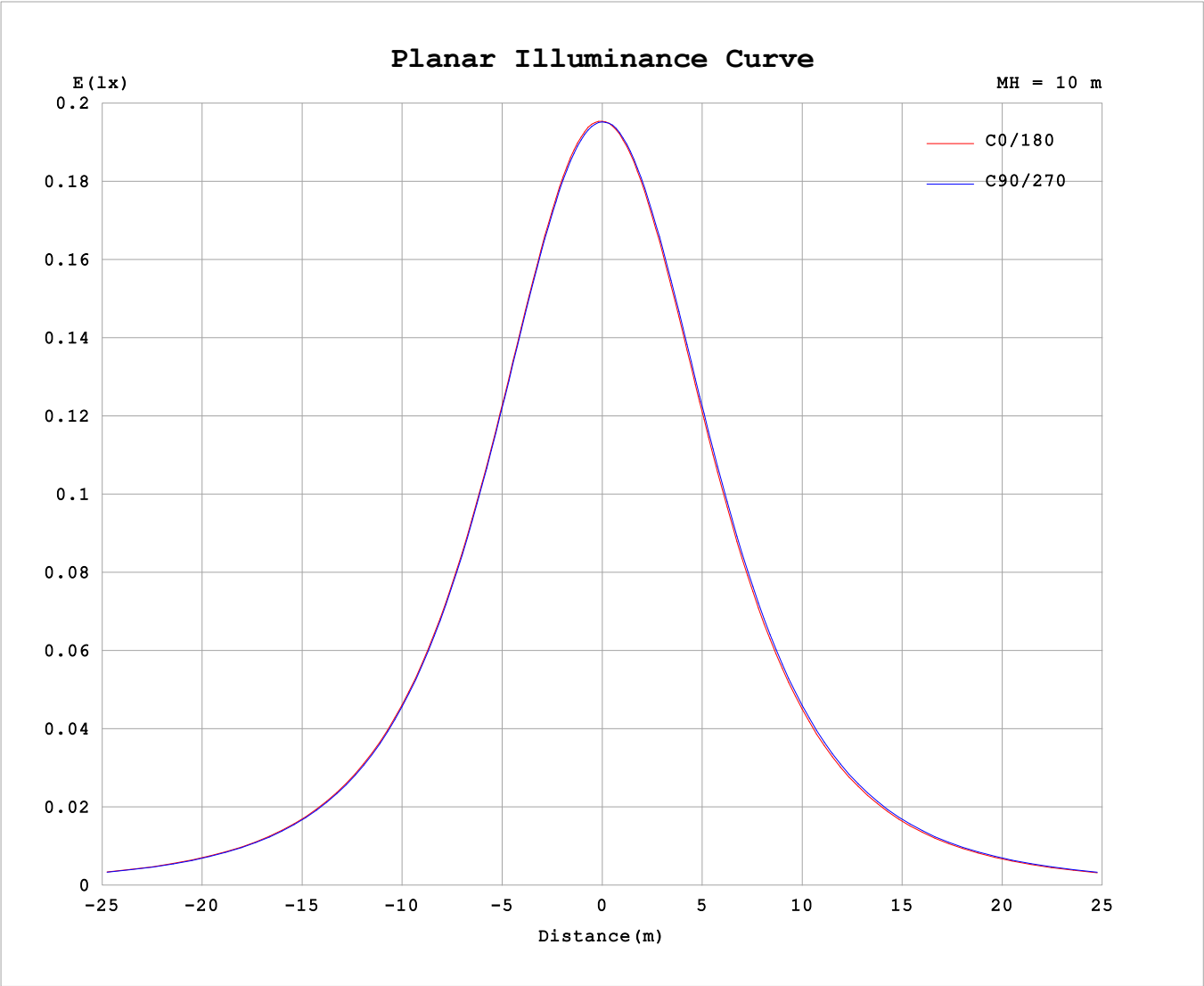
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 1275 |
| L_0~180 (75) av | 1250 |
| L_0~180 (85) av | 1314 |
| L_90~270 (65) av | 1289 |
| L_90~270 (75) av | 1270 |
| L_90~270 (85) av | 1309 |
| L_45 (65) av | 1282 |
| L_45 (75) av | 1259 |
| L_45 (85) av | 1303 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2025-03-15

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: 30.0DEG | γ Interval: 1.0DEG |
| Test Speed: HIGH | Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488 |
| Temperature:25.3℃ | Humidity:65.0% |
| Operators: | Test Distance:6.360m [K=1.0000] |
| Test Date:2025-03-15 | Remarks: |

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | | | | | | | | | | |
|--|--|--|--|--|--|-----------------|--|--|------------------|--|--|
| Test:U:24.00V I:0.2861A P:6.866W PF:1.000 Freq:0Hz Lamp Flux:59.5933x1 lm | | | | | | | | | | | |
| NAME: SF10-24V-5050-84-SPI-RGBW(4000K)-B | | | | | | TYPE: | | | WEIGHT: | | |
| SPEC.: | | | | | | DIM.: Length=1m | | | SERIAL No.: | | |
| MFR.: OLYMPIA lighting | | | | | | SUR.: | | | Shielding Angle: | | |

Table--1

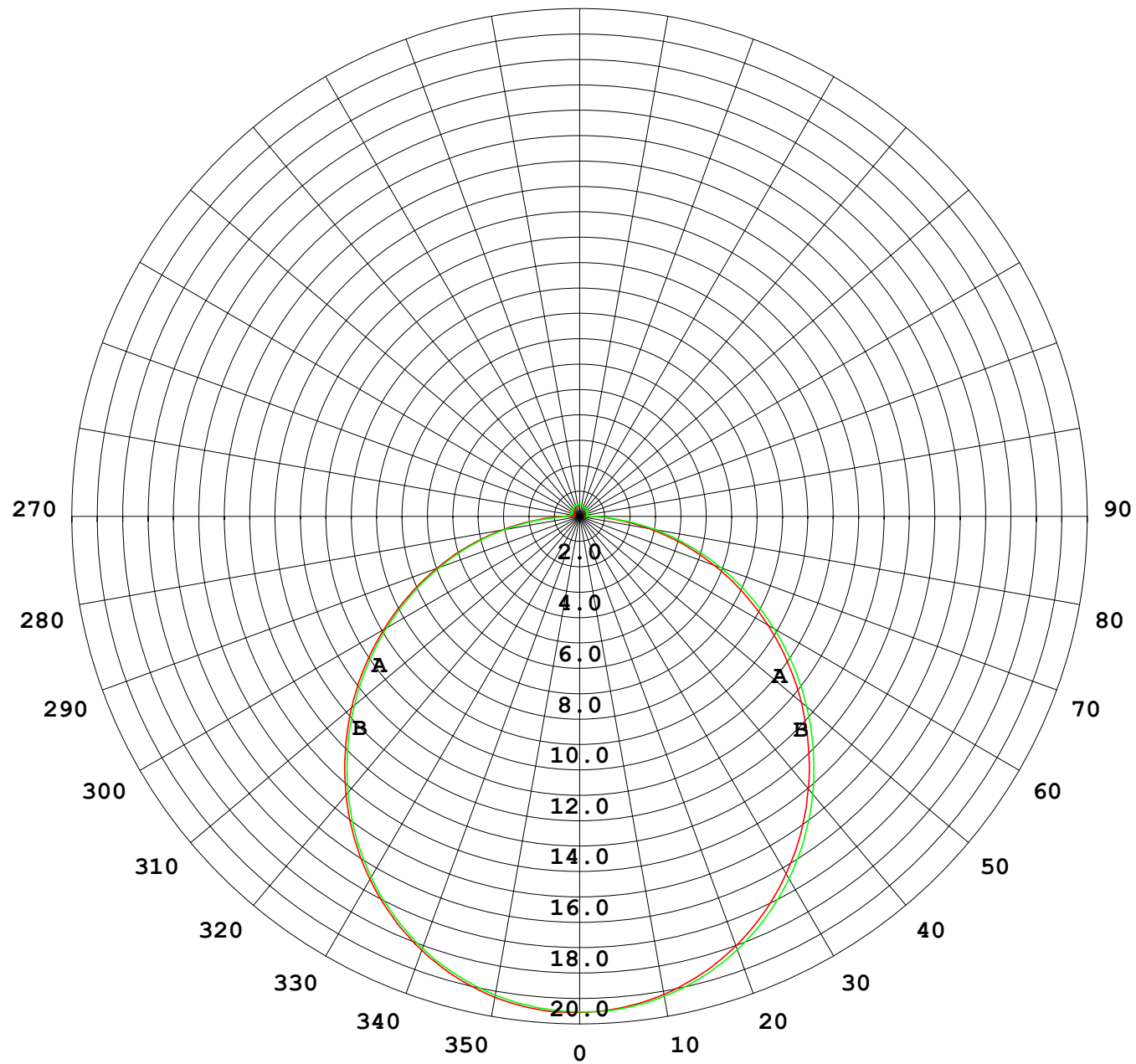
UNIT: cd

| C (DEG) γ (DEG) | 0 | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 | | | | | | | |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|
| 0 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | | | | | | | |
| 5 | 19.5 | 19.5 | 19.5 | 19.4 | 19.4 | 19.4 | 19.4 | 19.4 | 19.4 | 19.5 | 19.5 | 19.5 | | | | | | | |
| 10 | 19.2 | 19.2 | 19.2 | 19.2 | 19.1 | 19.1 | 19.1 | 19.1 | 19.2 | 19.2 | 19.2 | 19.3 | | | | | | | |
| 15 | 18.8 | 18.8 | 18.8 | 18.7 | 18.7 | 18.6 | 18.6 | 18.7 | 18.7 | 18.8 | 18.8 | 18.8 | | | | | | | |
| 20 | 18.2 | 18.2 | 18.2 | 18.1 | 18.1 | 18.0 | 18.0 | 18.0 | 18.1 | 18.2 | 18.2 | 18.2 | | | | | | | |
| 25 | 17.4 | 17.4 | 17.4 | 17.3 | 17.3 | 17.2 | 17.2 | 17.2 | 17.3 | 17.4 | 17.5 | 17.5 | | | | | | | |
| 30 | 16.5 | 16.5 | 16.5 | 16.4 | 16.3 | 16.3 | 16.3 | 16.3 | 16.4 | 16.5 | 16.6 | 16.6 | | | | | | | |
| 35 | 15.5 | 15.5 | 15.4 | 15.4 | 15.3 | 15.2 | 15.2 | 15.2 | 15.4 | 15.5 | 15.5 | 15.5 | | | | | | | |
| 40 | 14.3 | 14.3 | 14.3 | 14.2 | 14.1 | 14.0 | 14.0 | 14.1 | 14.2 | 14.3 | 14.4 | 14.4 | | | | | | | |
| 45 | 13.1 | 13.1 | 13.0 | 12.9 | 12.8 | 12.7 | 12.7 | 12.8 | 12.9 | 13.0 | 13.1 | 13.1 | | | | | | | |
| 50 | 11.7 | 11.7 | 11.7 | 11.6 | 11.5 | 11.4 | 11.4 | 11.4 | 11.6 | 11.7 | 11.8 | 11.8 | | | | | | | |
| 55 | 10.3 | 10.3 | 10.3 | 10.2 | 10.1 | 9.97 | 9.99 | 10.0 | 10.2 | 10.3 | 10.4 | 10.4 | | | | | | | |
| 60 | 8.90 | 8.90 | 8.85 | 8.77 | 8.61 | 8.53 | 8.56 | 8.59 | 8.73 | 8.85 | 8.96 | 8.98 | | | | | | | |
| 65 | 7.45 | 7.44 | 7.39 | 7.33 | 7.15 | 7.08 | 7.10 | 7.14 | 7.27 | 7.38 | 7.50 | 7.52 | | | | | | | |
| 70 | 5.99 | 5.99 | 5.93 | 5.86 | 5.69 | 5.62 | 5.65 | 5.68 | 5.81 | 5.92 | 6.04 | 6.06 | | | | | | | |
| 75 | 4.54 | 4.54 | 4.47 | 4.42 | 4.24 | 4.16 | 4.19 | 4.23 | 4.35 | 4.46 | 4.58 | 4.61 | | | | | | | |
| 80 | 3.10 | 3.10 | 3.02 | 2.97 | 2.79 | 2.73 | 2.76 | 2.79 | 2.91 | 3.02 | 3.13 | 3.17 | | | | | | | |
| 85 | 1.70 | 1.68 | 1.58 | 1.50 | 1.36 | 1.34 | 1.39 | 1.40 | 1.47 | 1.58 | 1.70 | 1.74 | | | | | | | |
| 90 | 0.69 | 0.62 | 0.46 | 0.60 | 0.39 | 0.47 | 0.52 | 0.50 | 0.39 | 0.30 | 0.50 | 0.67 | | | | | | | |
| 95 | 0.26 | 0.26 | 0.29 | 0.46 | 0.29 | 0.31 | 0.22 | 0.25 | 0.28 | 0.29 | 0.29 | 0.25 | | | | | | | |
| 100 | 0.25 | 0.27 | 0.28 | 0.36 | 0.29 | 0.28 | 0.24 | 0.25 | 0.29 | 0.29 | 0.29 | 0.25 | | | | | | | |
| 105 | 0.25 | 0.28 | 0.28 | 0.33 | 0.29 | 0.29 | 0.25 | 0.25 | 0.30 | 0.30 | 0.30 | 0.25 | | | | | | | |
| 110 | 0.27 | 0.29 | 0.29 | 0.33 | 0.31 | 0.31 | 0.26 | 0.27 | 0.32 | 0.31 | 0.31 | 0.26 | | | | | | | |
| 115 | 0.28 | 0.30 | 0.30 | 0.34 | 0.32 | 0.32 | 0.28 | 0.28 | 0.33 | 0.32 | 0.33 | 0.27 | | | | | | | |
| 120 | 0.30 | 0.31 | 0.31 | 0.35 | 0.33 | 0.34 | 0.30 | 0.29 | 0.34 | 0.34 | 0.34 | 0.29 | | | | | | | |
| 125 | 0.32 | 0.33 | 0.32 | 0.37 | 0.35 | 0.35 | 0.31 | 0.31 | 0.36 | 0.34 | 0.34 | 0.30 | | | | | | | |
| 130 | 0.33 | 0.35 | 0.34 | 0.38 | 0.36 | 0.37 | 0.33 | 0.32 | 0.37 | 0.35 | 0.36 | 0.31 | | | | | | | |
| 135 | 0.34 | 0.36 | 0.36 | 0.39 | 0.36 | 0.38 | 0.35 | 0.34 | 0.38 | 0.36 | 0.37 | 0.33 | | | | | | | |
| 140 | 0.36 | 0.38 | 0.38 | 0.40 | 0.38 | 0.40 | 0.37 | 0.35 | 0.40 | 0.37 | 0.38 | 0.34 | | | | | | | |
| 145 | 0.37 | 0.40 | 0.40 | 0.42 | 0.40 | 0.41 | 0.38 | 0.36 | 0.41 | 0.38 | 0.39 | 0.36 | | | | | | | |
| 150 | 0.39 | 0.41 | 0.41 | 0.44 | 0.41 | 0.43 | 0.40 | 0.38 | 0.42 | 0.40 | 0.41 | 0.37 | | | | | | | |
| 155 | 0.41 | 0.43 | 0.43 | 0.46 | 0.42 | 0.44 | 0.41 | 0.40 | 0.43 | 0.41 | 0.42 | 0.39 | | | | | | | |
| 160 | 0.42 | 0.44 | 0.44 | 0.46 | 0.43 | 0.45 | 0.43 | 0.42 | 0.44 | 0.42 | 0.44 | 0.40 | | | | | | | |
| 165 | 0.43 | 0.45 | 0.45 | 0.46 | 0.44 | 0.46 | 0.44 | 0.43 | 0.46 | 0.44 | 0.45 | 0.42 | | | | | | | |
| 170 | 0.44 | 0.45 | 0.45 | 0.46 | 0.45 | 0.46 | 0.45 | 0.44 | 0.46 | 0.45 | 0.46 | 0.43 | | | | | | | |
| 175 | 0.45 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.45 | 0.45 | 0.46 | 0.46 | 0.46 | 0.45 | | | | | | | |
| 180 | 0.45 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.45 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | | | | | | | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2025-03-15

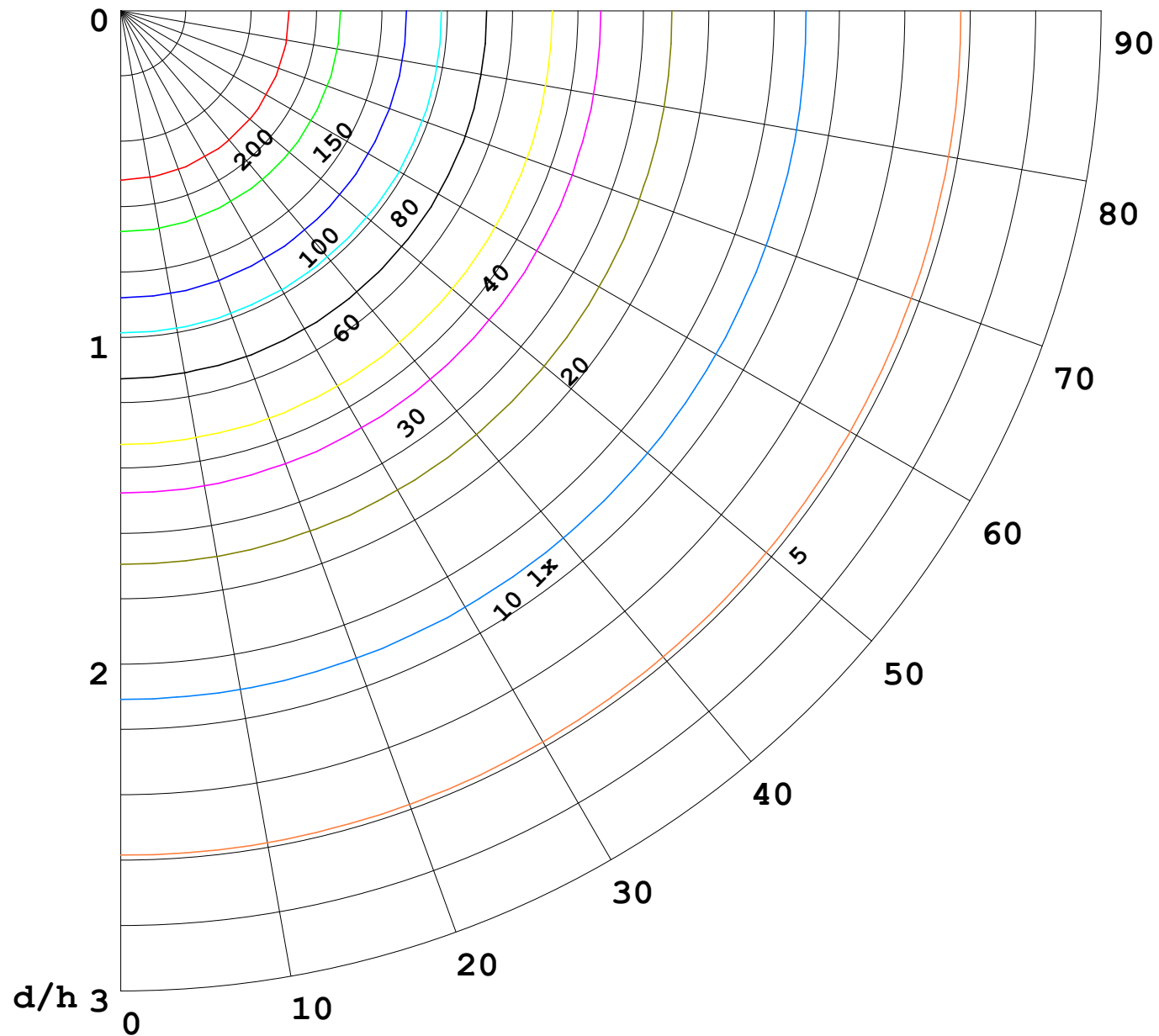
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488
Humidity:65.0%
Test Distance:6.360m [K=1.0000]
Remarks:

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 |

