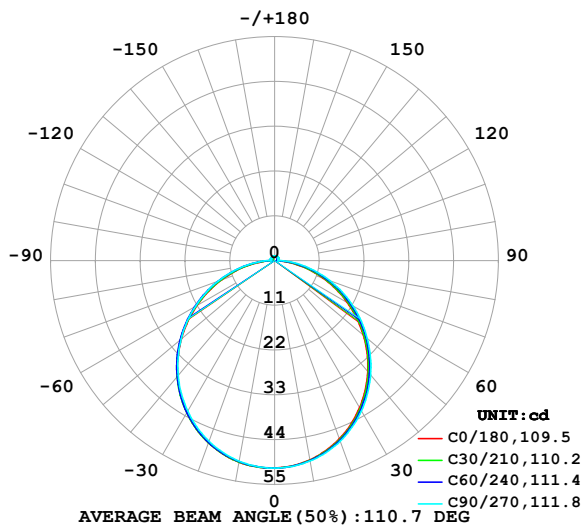


LUMINAIRE PHOTOMETRIC TEST REPORT

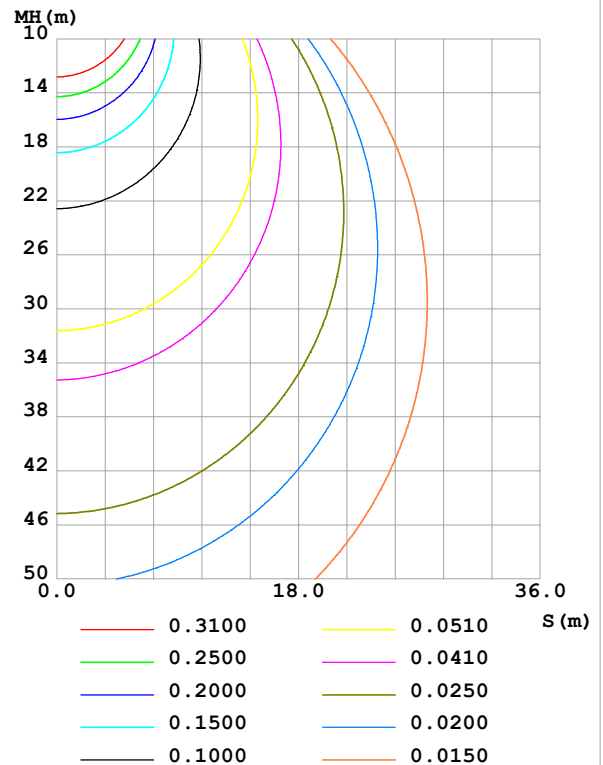
| | | |
|--|-----------------|------------------|
| Test:U:24.00V I:0.2372A P:5.693W PF:1.000 Freq:0Hz Lamp Flux:150.604x1 lm | | |
| NAME: SF15-24V-5050-70-SPI-RGBW(4000K)-G | TYPE: | WEIGHT: |
| SPEC.: | DIM.: Length=1m | SERIAL No.: |
| MFR.: OLympia lighting | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | | Eff: 26.46 lm/W |
|------------------|---------|------------------|--------|------------------------|----------|-----------------|
| MODEL | 5050 | Imax (cd) | 50.97 | S/MH(C0/180) | 1.26 | |
| NOMINAL POWER(W) | | LOR(%) | 100.0 | S/MH(C90/270) | 1.25 | |
| RATED VOLTAGE(V) | 24 | TOTAL FLUX(lm) | 150.61 | η UP,DN(C0-180) | 1.9,47.7 | |
| NOMINAL FLUX(lm) | 150.604 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 2.0,48.4 | |
| LAMPS INSIDE | 1 | η up (%) | 3.9 | CIBSE SHR NOM | 1.25 | |
| TEST VOLTAGE(V) | | η down (%) | 96.1 | 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: 2025-03-06

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 | 49.71 | 49.86 | 50.00 | 50.20 | 50.28 | 50.22 | 50.02 | 49.87 | 0- 10 | 4.820 | 4.820 | 3.2,3.2 |
| 20 | 46.57 | 46.86 | 47.19 | 47.52 | 47.61 | 47.57 | 47.22 | 46.90 | 10- 20 | 13.78 | 18.60 | 12.3,12.3 |
| 30 | 41.76 | 42.17 | 42.66 | 43.07 | 43.14 | 43.17 | 42.73 | 42.25 | 20- 30 | 20.78 | 39.38 | 26.1,26.1 |
| 40 | 35.61 | 36.08 | 36.68 | 37.13 | 37.08 | 37.28 | 36.88 | 36.22 | 30- 40 | 24.89 | 64.27 | 42.7,42.7 |
| 50 | 28.44 | 29.00 | 29.73 | 30.05 | 29.90 | 30.24 | 29.99 | 29.18 | 40- 50 | 25.62 | 89.89 | 59.7,59.7 |
| 60 | 20.65 | 21.32 | 22.18 | 22.24 | 21.99 | 22.47 | 22.49 | 21.54 | 50- 60 | 23.04 | 112.9 | 75,75 |
| 70 | 12.67 | 13.48 | 14.45 | 14.19 | 13.83 | 14.43 | 14.77 | 13.71 | 60- 70 | 17.72 | 130.7 | 86.8,86.8 |
| 80 | 5.109 | 5.973 | 7.007 | 6.481 | 6.068 | 6.733 | 7.325 | 6.201 | 70- 80 | 10.65 | 141.3 | 93.8,93.8 |
| 90 | 0.5537 | 0.6618 | 0.8113 | 0.6730 | 0.5220 | 0.8230 | 1.043 | 0.8241 | 80- 90 | 3.379 | 144.7 | 96.1,96.1 |
| 100 | 0.6055 | 0.6987 | 0.8634 | 0.7330 | 0.5883 | 0.8662 | 1.080 | 0.8701 | 90-100 | 0.8261 | 145.5 | 96.6,96.6 |
| 110 | 0.7208 | 0.7767 | 0.9211 | 0.8282 | 0.6778 | 0.9412 | 1.135 | 0.9437 | 100-110 | 0.8768 | 146.4 | 97.2,97.2 |
| 120 | 0.8131 | 0.8820 | 0.9759 | 0.9105 | 0.7586 | 0.9946 | 1.158 | 0.9871 | 110-120 | 0.8963 | 147.3 | 97.8,97.8 |
| 130 | 0.9169 | 0.9730 | 1.037 | 0.9812 | 0.8508 | 1.038 | 1.162 | 1.022 | 120-130 | 0.8698 | 148.2 | 98.4,98.4 |
| 140 | 0.9890 | 1.045 | 1.103 | 1.049 | 0.9287 | 1.077 | 1.165 | 1.049 | 130-140 | 0.7934 | 148.9 | 98.9,98.9 |
| 150 | 1.058 | 1.110 | 1.169 | 1.117 | 1.021 | 1.119 | 1.181 | 1.098 | 140-150 | 0.6775 | 149.6 | 99.3,99.4 |
| 160 | 1.136 | 1.172 | 1.221 | 1.174 | 1.110 | 1.167 | 1.207 | 1.151 | 150-160 | 0.5262 | 150.2 | 99.7,99.7 |
| 170 | 1.188 | 1.218 | 1.244 | 1.224 | 1.180 | 1.207 | 1.223 | 1.212 | 160-170 | 0.3367 | 150.5 | 99.9,99.9 |
| 180 | 1.211 | 1.236 | 1.250 | 1.244 | 1.208 | 1.234 | 1.247 | 1.245 | 170-180 | 0.1166 | 150.6 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 77.203 lm

%lum = 51.3%

%lamp = 51.3%

Conical surface Flux(130deg): 122.6 lm

%lum = 81.4%

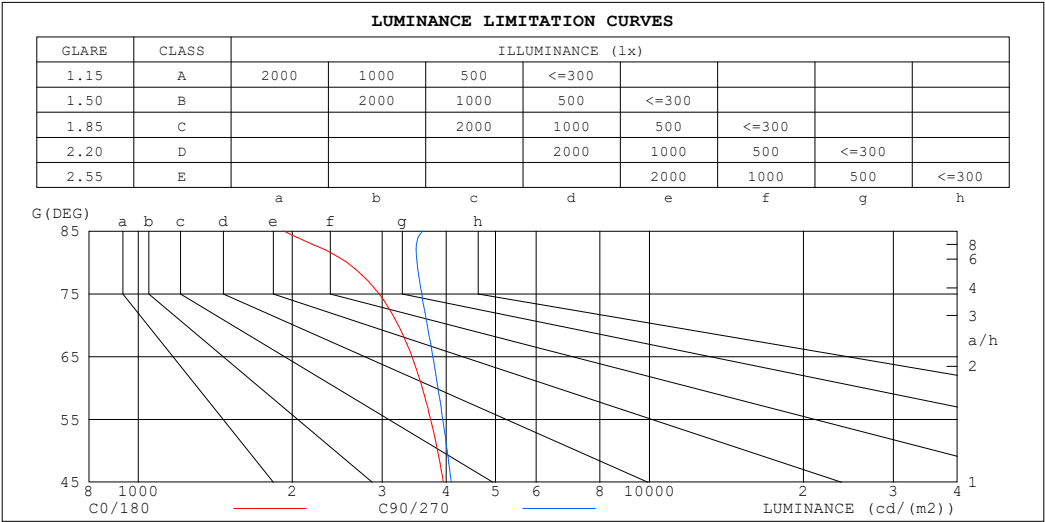
%lamp = 81.4%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:
 Test Date:2025-03-06

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:0.2372A P:5.693W PF:1.000 Freq:0Hz Lamp Flux:150.604x1 lm | | |
| NAME: SF15-24V-5050-70-SPI-RGBW(4000K)-G | TYPE: | WEIGHT: |
| SPEC.: | DIM.: Length=1m | SERIAL No.: |
| MFR.: OLympia lighting | SUR.: | Shielding Angle: |



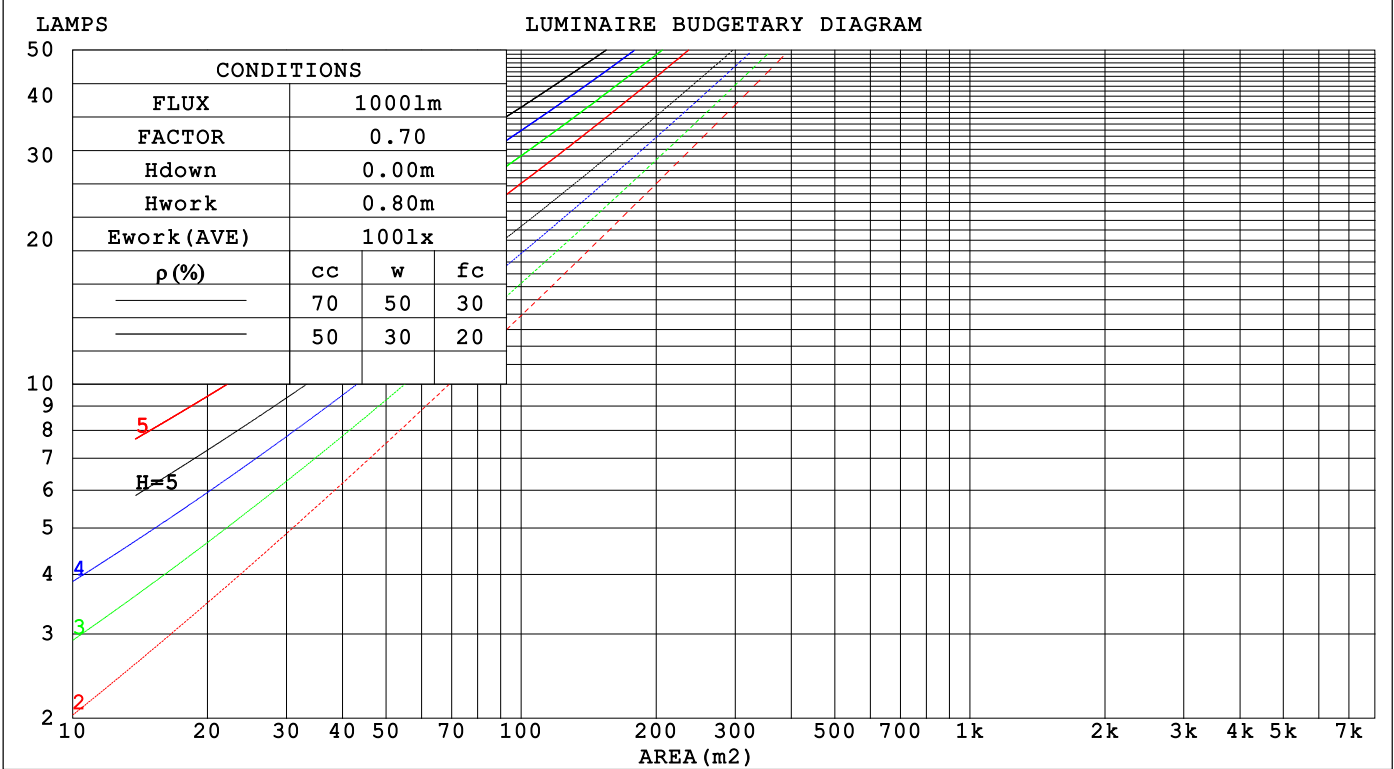
| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 1924 | 3596 |
| 80 | 2561 | 3508 |
| 75 | 2956 | 3587 |
| 70 | 3225 | 3673 |
| 65 | 3432 | 3768 |
| 60 | 3594 | 3856 |
| 55 | 3731 | 3940 |
| 50 | 3851 | 4020 |
| 45 | 3953 | 4094 |

| | |
|----------------------|---|
| 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:2025-03-06 | Remarks: |

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|--|-----------------|------------------|
| Test:U:24.00V I:0.2372A P:5.693W PF:1.000 Freq:0Hz | | |
| Lamp Flux:150.604x1 lm | | |
| NAME: SF15-24V-5050-70-SPI-RGBW(4000K)-G | TYPE: | WEIGHT: |
| SPEC.: | DIM.: Length=1m | SERIAL No.: |
| MFR.: OLYMPIA lighting | SUR.: | Shielding Angle: |

| | | | | | | | | | | | | | | | | |
|-----------------|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
| p _w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| p _{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | | | | | | | | | | |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2025-03-06

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:0.2372A P:5.693W PF:1.000 Freq:0Hz Lamp Flux:150.604x1 lm | | |
| NAME: SF15-24V-5050-70-SPI-RGBW(4000K)-G | 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 | .313 | .178 | .056 | .305 | .174 | .055 | .290 | .166 | .053 | .275 | .159 | .051 | .262 | .152 | .049 | | | | | | | | | | | | | | | |
| 2.0 | .293 | .160 | .049 | .285 | .157 | .048 | .272 | .151 | .047 | .259 | .145 | .045 | .247 | .140 | .044 | | | | | | | | | | | | | | | |
| 3.0 | .270 | .144 | .043 | .263 | .141 | .042 | .251 | .136 | .041 | .240 | .131 | .040 | .229 | .127 | .039 | | | | | | | | | | | | | | | |
| 4.0 | .249 | .129 | .038 | .243 | .127 | .038 | .232 | .123 | .037 | .222 | .119 | .036 | .212 | .115 | .035 | | | | | | | | | | | | | | | |
| 5.0 | .230 | .117 | .034 | .224 | .115 | .034 | .215 | .112 | .033 | .205 | .108 | .032 | .197 | .105 | .032 | | | | | | | | | | | | | | | |
| 6.0 | .213 | .107 | .031 | .208 | .105 | .030 | .199 | .102 | .030 | .191 | .099 | .029 | .183 | .097 | .029 | | | | | | | | | | | | | | | |
| 7.0 | .198 | .098 | .028 | .194 | .097 | .028 | .186 | .094 | .027 | .178 | .091 | .027 | .171 | .089 | .026 | | | | | | | | | | | | | | | |
| 8.0 | .185 | .090 | .025 | .181 | .089 | .025 | .174 | .087 | .025 | .167 | .085 | .024 | .161 | .083 | .024 | | | | | | | | | | | | | | | |
| 9.0 | .173 | .084 | .023 | .170 | .083 | .023 | .163 | .081 | .023 | .157 | .079 | .023 | .151 | .077 | .022 | | | | | | | | | | | | | | | |
| 10.0 | .163 | .078 | .022 | .160 | .077 | .022 | .154 | .075 | .021 | .148 | .074 | .021 | .143 | .072 | .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 | .220 | .220 | .220 | .188 | .188 | .188 | .129 | .129 | .129 | .074 | .074 | .074 | .024 | .024 | .024 | |
| 1.0 | .211 | .186 | .164 | .180 | .160 | .141 | .123 | .110 | .098 | .071 | .064 | .057 | .023 | .020 | .018 | |
| 2.0 | .203 | .162 | .128 | .174 | .140 | .111 | .119 | .097 | .077 | .069 | .056 | .045 | .022 | .018 | .015 | |
| 3.0 | .195 | .145 | .105 | .167 | .125 | .091 | .115 | .087 | .064 | .066 | .051 | .038 | .021 | .016 | .012 | |
| 4.0 | .187 | .132 | .089 | .161 | .114 | .077 | .111 | .079 | .055 | .064 | .046 | .032 | .021 | .015 | .011 | |
| 5.0 | .180 | .121 | .078 | .155 | .105 | .068 | .106 | .073 | .048 | .062 | .043 | .028 | .020 | .014 | .009 | |
| 6.0 | .173 | .113 | .070 | .149 | .098 | .061 | .102 | .069 | .043 | .059 | .040 | .026 | .019 | .013 | .008 | |
| 7.0 | .166 | .106 | .064 | .143 | .092 | .056 | .099 | .065 | .040 | .057 | .038 | .024 | .019 | .012 | .008 | |
| 8.0 | .160 | .100 | .060 | .137 | .087 | .052 | .095 | .061 | .037 | .055 | .036 | .022 | .018 | .012 | .007 | |
| 9.0 | .154 | .096 | .056 | .132 | .083 | .049 | .092 | .058 | .035 | .053 | .034 | .021 | .017 | .011 | .007 | |
| 10.0 | .148 | .091 | .054 | .127 | .079 | .047 | .088 | .056 | .033 | .052 | .033 | .020 | .017 | .011 | .007 | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2025-03-06

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:0.2372A P:5.693W PF:1.000 Freq:0Hz Lamp Flux:150.604x1 lm | | | | | | | | | | |
| NAME: SF15-24V-5050-70-SPI-RGBW(4000K)-G | | | | | 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 | 23.5 | 25.0 | 23.8 | 25.2 | 25.5 | 23.8 | 25.2 | 24.1 | 25.5 | 25.8 |
| 3H | 25.0 | 26.3 | 25.3 | 26.6 | 26.9 | 25.4 | 26.7 | 25.7 | 27.0 | 27.3 |
| 4H | 25.5 | 26.8 | 25.9 | 27.1 | 27.5 | 26.1 | 27.4 | 26.4 | 27.7 | 28.0 |
| 6H | 25.9 | 27.1 | 26.3 | 27.5 | 27.8 | 26.6 | 27.8 | 27.0 | 28.2 | 28.5 |
| 8H | 26.0 | 27.2 | 26.4 | 27.5 | 27.9 | 26.8 | 28.0 | 27.2 | 28.4 | 28.7 |
| 12H | 26.1 | 27.2 | 26.5 | 27.5 | 27.9 | 27.0 | 28.1 | 27.4 | 28.5 | 28.9 |
| 4H 2H | 24.1 | 25.4 | 24.5 | 25.7 | 26.1 | 24.3 | 25.6 | 24.7 | 25.9 | 26.3 |
| 3H | 25.8 | 26.9 | 26.2 | 27.3 | 27.6 | 26.1 | 27.2 | 26.5 | 27.6 | 28.0 |
| 4H | 26.5 | 27.5 | 26.9 | 27.9 | 28.3 | 27.0 | 28.0 | 27.4 | 28.4 | 28.8 |
| 6H | 27.0 | 27.9 | 27.4 | 28.3 | 28.8 | 27.6 | 28.6 | 28.1 | 29.0 | 29.4 |
| 8H | 27.1 | 28.0 | 27.6 | 28.4 | 28.9 | 27.9 | 28.8 | 28.4 | 29.2 | 29.7 |
| 12H | 27.2 | 28.0 | 27.7 | 28.4 | 28.9 | 28.1 | 28.9 | 28.6 | 29.4 | 29.9 |
| 8H 4H | 26.8 | 27.6 | 27.2 | 28.0 | 28.5 | 27.2 | 28.0 | 27.7 | 28.5 | 28.9 |
| 6H | 27.4 | 28.1 | 27.9 | 28.6 | 29.1 | 28.0 | 28.8 | 28.6 | 29.2 | 29.7 |
| 8H | 27.6 | 28.3 | 28.2 | 28.8 | 29.3 | 28.4 | 29.0 | 28.9 | 29.5 | 30.1 |
| 12H | 27.8 | 28.3 | 28.3 | 28.8 | 29.4 | 28.7 | 29.3 | 29.3 | 29.8 | 30.4 |
| 12H 4H | 26.8 | 27.6 | 27.3 | 28.0 | 28.5 | 27.2 | 28.0 | 27.7 | 28.4 | 28.9 |
| 6H | 27.5 | 28.1 | 28.0 | 28.6 | 29.1 | 28.1 | 28.7 | 28.6 | 29.2 | 29.8 |
| 8H | 27.8 | 28.3 | 28.3 | 28.8 | 29.4 | 28.5 | 29.0 | 29.0 | 29.6 | 30.1 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | |
| S = 1.0H | + 0.2 / - 0.2 | | | | | + 0.1 / - 0.2 | | | | |
| 1.5H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |
| 2.0H | + 0.2 / - 0.3 | | | | | + 0.1 / - 0.2 | | | | |

CIE Pub.117, 150.6 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -6.6)
Area: 0.0115 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2025-03-06

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:0.2372A P:5.693W PF:1.000 Freq:0Hz Lamp Flux:150.604x1 lm | | |
| NAME: SF15-24V-5050-70-SPI-RGBW(4000K)-G | TYPE: | WEIGHT: |
| SPEC.: | DIM.: Length=1m | SERIAL No.: |
| MFR.: OLympia lighting | SUR.: | Shielding Angle: |

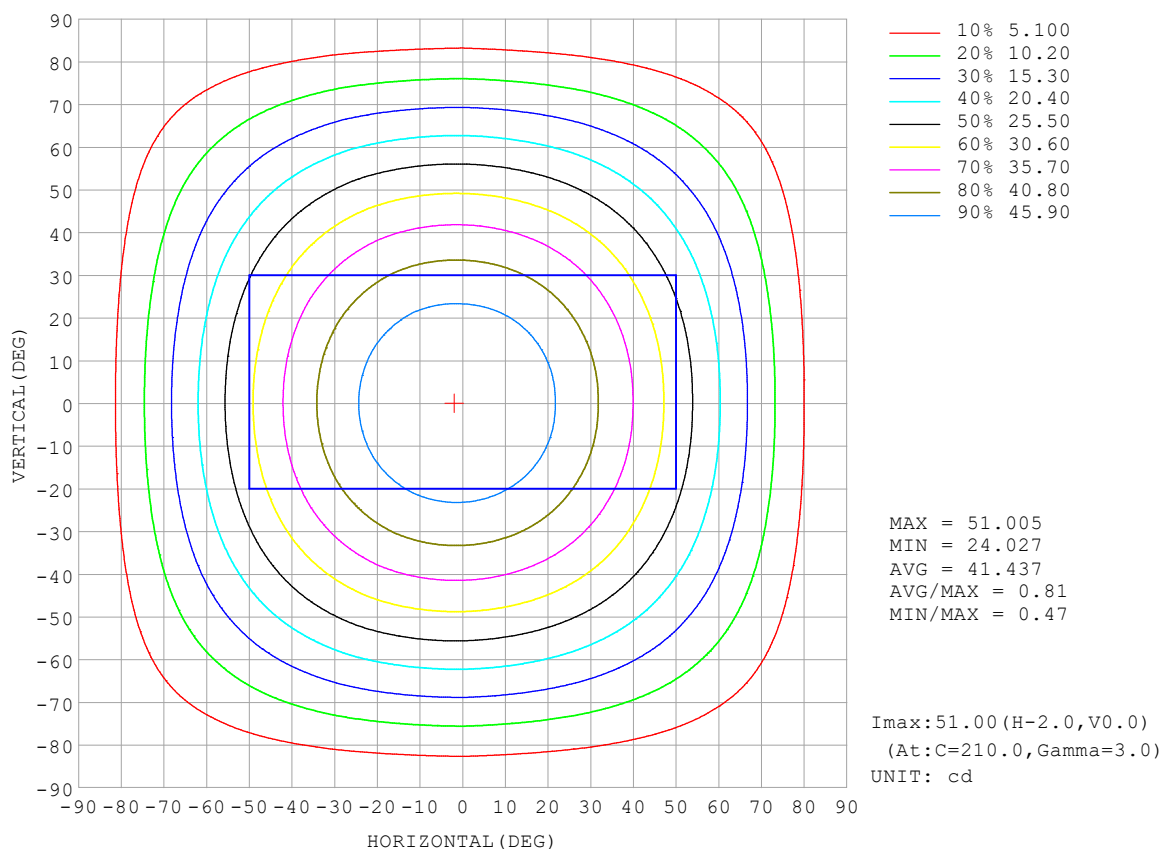
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 45 | 38 | 55 | 44 | 38 | 54 | 44 | 37 | 31 |
| 0.80 | 66 | 55 | 47 | 65 | 54 | 47 | 63 | 53 | 46 | 39 |
| 1.00 | 75 | 63 | 56 | 73 | 63 | 56 | 71 | 64 | 55 | 47 |
| 1.25 | 82 | 71 | 64 | 80 | 70 | 63 | 77 | 68 | 62 | 54 |
| 1.50 | 87 | 76 | 69 | 85 | 75 | 69 | 81 | 73 | 67 | 59 |
| 2.00 | 93 | 85 | 78 | 91 | 83 | 77 | 87 | 81 | 75 | 67 |
| 2.50 | 97 | 89 | 83 | 95 | 88 | 82 | 91 | 85 | 80 | 71 |
| 3.00 | 101 | 94 | 88 | 98 | 92 | 87 | 94 | 88 | 84 | 75 |
| 4.00 | 105 | 99 | 94 | 102 | 97 | 92 | 97 | 93 | 89 | 79 |
| 5.00 | 107 | 102 | 98 | 105 | 100 | 96 | 99 | 96 | 93 | 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: 2025-03-06

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:0.2372A P:5.693W PF:1.000 Freq:0Hz Lamp Flux:150.604x1 lm | | |
| NAME: SF15-24V-5050-70-SPI-RGBW(4000K)-G | TYPE: | WEIGHT: |
| SPEC.: | DIM.: Length=1m | SERIAL No.: |
| MFR.: OLympia lighting | SUR.: | Shielding Angle: |

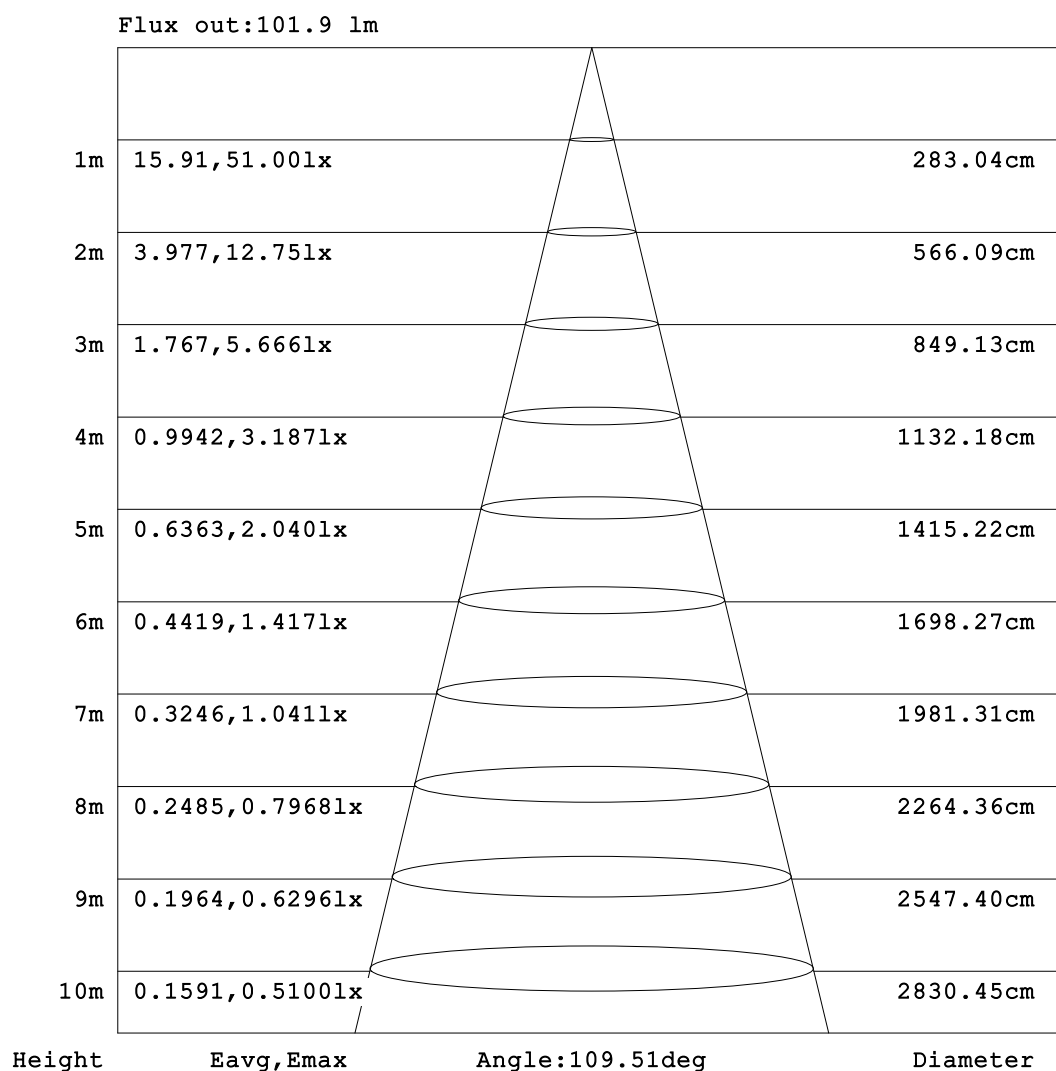


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2025-03-06

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:0.2372A P:5.693W PF:1.000 Freq:0Hz Lamp Flux:150.604x1 lm | | |
| NAME: SF15-24V-5050-70-SPI-RGBW(4000K)-G | TYPE: | WEIGHT: |
| SPEC.: | DIM.: Length=1m | SERIAL No.: |
| MFR.: OLympia lighting | SUR.: | Shielding Angle: |



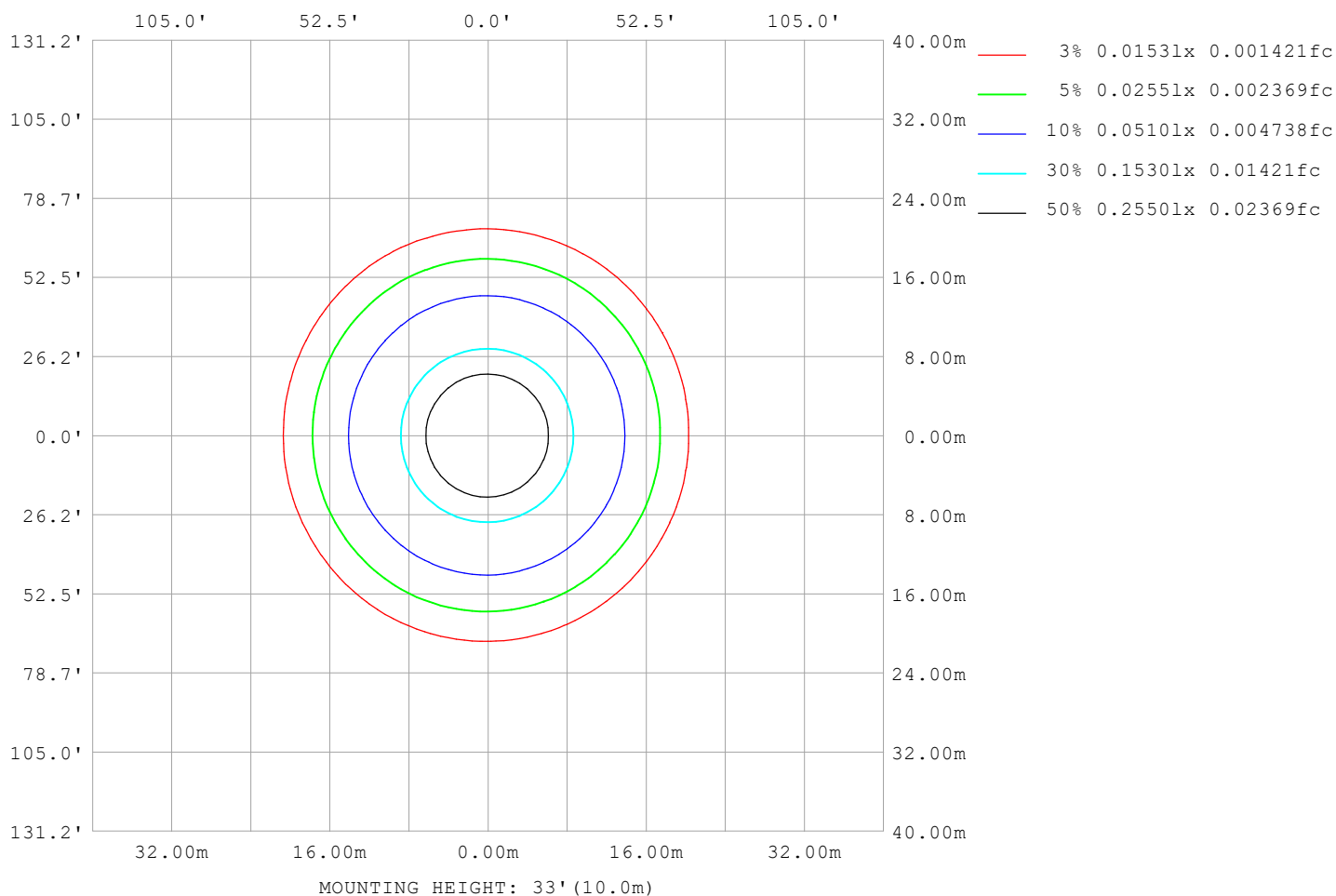
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2025-03-06

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:0.2372A P:5.693W PF:1.000 Freq:0Hz Lamp Flux:150.604x1 lm | | |
| NAME: SF15-24V-5050-70-SPI-RGBW(4000K)-G | 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: 2025-03-06

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:0.2372A P:5.693W PF:1.000 Freq:0Hz Lamp Flux:150.604x1 lm | | |
| NAME: SF15-24V-5050-70-SPI-RGBW(4000K)-G | TYPE: | WEIGHT: |
| SPEC.: | DIM.: Length=1m | SERIAL No.: |
| MFR.: OLympia lighting | SUR.: | Shielding Angle: |

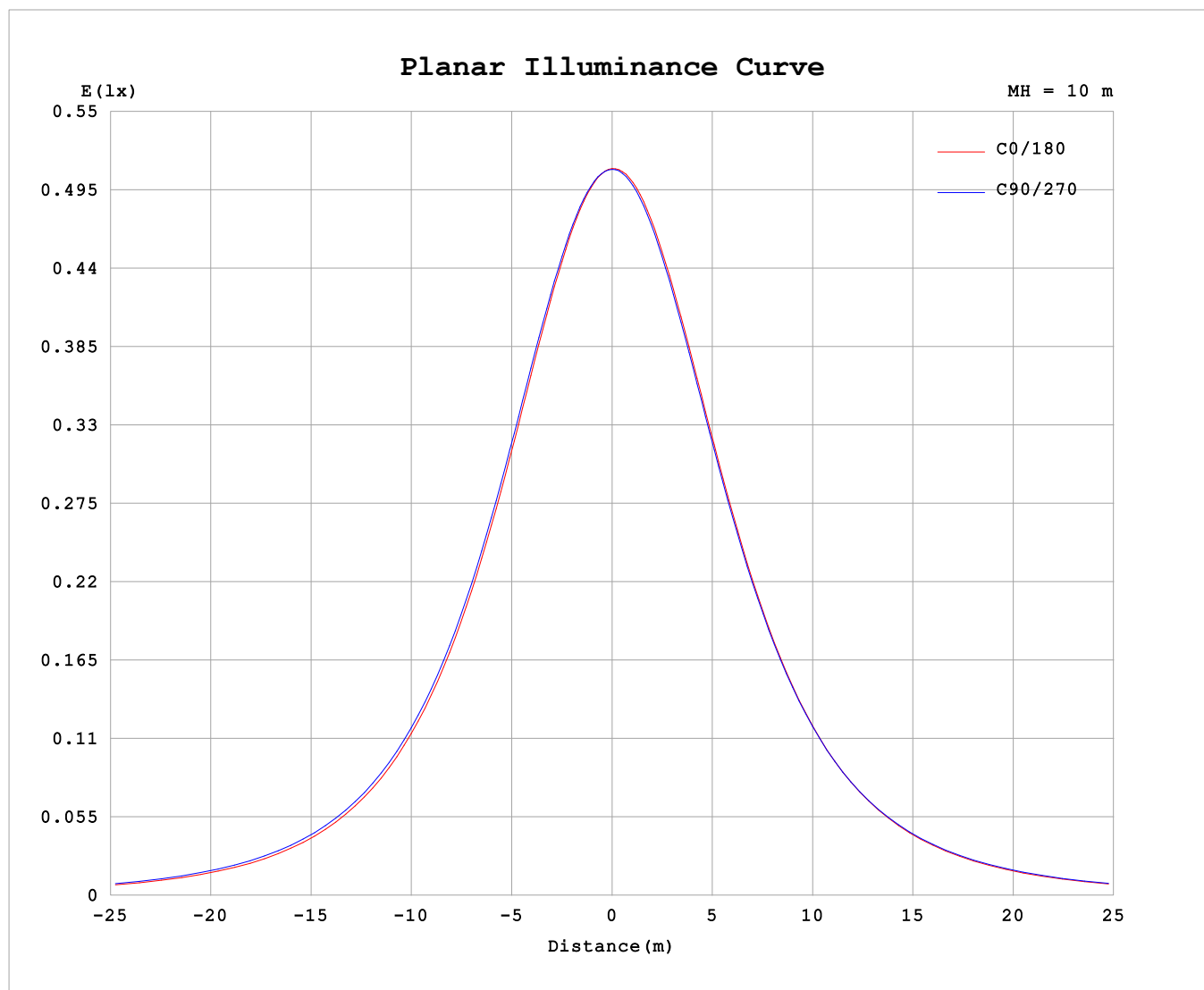
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 3557 |
| L_0~180 (75) av | 3132 |
| L_0~180 (85) av | 2253 |
| L_90~270 (65) av | 3802 |
| L_90~270 (75) av | 3638 |
| L_90~270 (85) av | 3742 |
| L_45 (65) av | 3689 |
| L_45 (75) av | 3386 |
| L_45 (85) av | 2877 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2025-03-06

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
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators:
Test Date: 2025-03-06

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | | | | | | | | | | |
|--|--|--|--|--|--|-----------------|--|--|------------------|--|--|
| Test:U:24.00V I:0.2372A P:5.693W PF:1.000 Freq:0Hz Lamp Flux:150.604x1 lm | | | | | | | | | | | |
| NAME: SF15-24V-5050-70-SPI-RGBW(4000K)-G | | | | | | TYPE: | | | WEIGHT: | | |
| SPEC.: | | | | | | DIM.: Length=1m | | | SERIAL No.: | | |
| MFR.: OLYMPIA lighting | | | | | | SUR.: | | | Shielding Angle: | | |

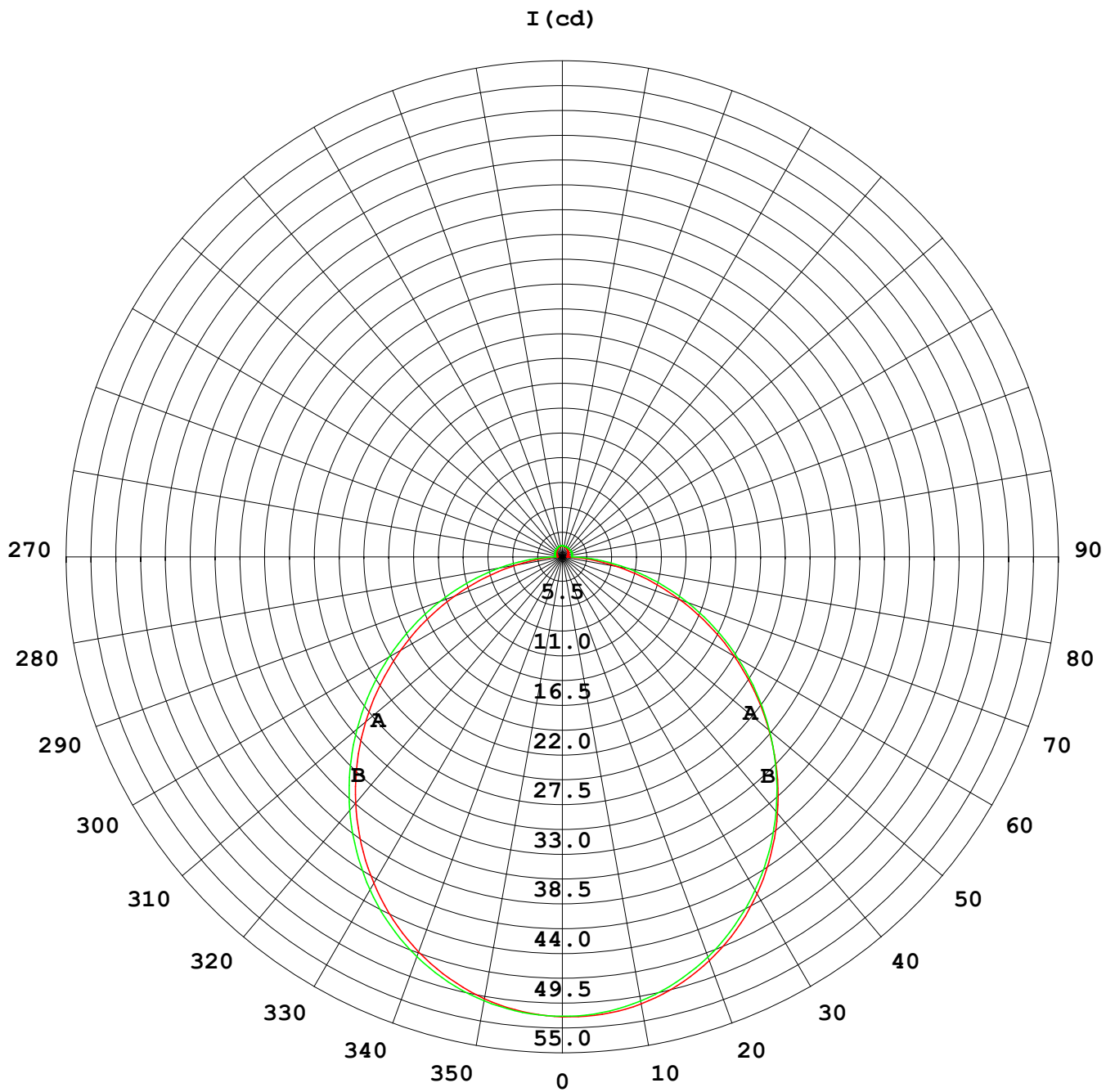
Table--1

UNIT: cd

| C (DEG) γ (DEG) | 0 | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 | | | | | | | |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|
| 0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | | | | | | | |
| 5 | 50.6 | 50.6 | 50.7 | 50.7 | 50.8 | 50.8 | 50.9 | 50.9 | 50.8 | 50.7 | 50.7 | 50.6 | | | | | | | |
| 10 | 49.7 | 49.8 | 49.9 | 50.0 | 50.2 | 50.2 | 50.3 | 50.3 | 50.2 | 50.0 | 49.9 | 49.8 | | | | | | | |
| 15 | 48.4 | 48.5 | 48.7 | 48.8 | 49.0 | 49.1 | 49.2 | 49.2 | 49.1 | 48.8 | 48.7 | 48.5 | | | | | | | |
| 20 | 46.6 | 46.8 | 47.0 | 47.2 | 47.5 | 47.6 | 47.6 | 47.6 | 47.5 | 47.2 | 47.0 | 46.8 | | | | | | | |
| 25 | 44.3 | 44.6 | 44.8 | 45.1 | 45.4 | 45.6 | 45.6 | 45.6 | 45.5 | 45.2 | 45.0 | 44.6 | | | | | | | |
| 30 | 41.8 | 42.0 | 42.3 | 42.7 | 43.0 | 43.1 | 43.1 | 43.2 | 43.1 | 42.7 | 42.5 | 42.0 | | | | | | | |
| 35 | 38.9 | 39.1 | 39.5 | 39.8 | 40.2 | 40.3 | 40.3 | 40.4 | 40.3 | 40.0 | 39.6 | 39.2 | | | | | | | |
| 40 | 35.6 | 35.9 | 36.3 | 36.7 | 37.1 | 37.2 | 37.1 | 37.3 | 37.3 | 36.9 | 36.5 | 36.0 | | | | | | | |
| 45 | 32.1 | 32.4 | 32.9 | 33.3 | 33.7 | 33.7 | 33.6 | 33.8 | 33.9 | 33.5 | 33.1 | 32.5 | | | | | | | |
| 50 | 28.4 | 28.7 | 29.3 | 29.7 | 30.1 | 30.0 | 29.9 | 30.2 | 30.3 | 30.0 | 29.5 | 28.9 | | | | | | | |
| 55 | 24.6 | 24.9 | 25.5 | 26.0 | 26.3 | 26.1 | 26.0 | 26.3 | 26.6 | 26.3 | 25.8 | 25.0 | | | | | | | |
| 60 | 20.6 | 21.0 | 21.7 | 22.2 | 22.4 | 22.1 | 22.0 | 22.3 | 22.7 | 22.5 | 22.0 | 21.1 | | | | | | | |
| 65 | 16.7 | 17.0 | 17.8 | 18.3 | 18.4 | 18.0 | 17.9 | 18.2 | 18.7 | 18.6 | 18.1 | 17.2 | | | | | | | |
| 70 | 12.7 | 13.1 | 13.9 | 14.5 | 14.4 | 14.0 | 13.8 | 14.1 | 14.7 | 14.8 | 14.2 | 13.2 | | | | | | | |
| 75 | 8.79 | 9.25 | 10.1 | 10.7 | 10.5 | 10.0 | 9.85 | 10.2 | 10.8 | 11.0 | 10.4 | 9.41 | | | | | | | |
| 80 | 5.11 | 5.57 | 6.38 | 7.01 | 6.74 | 6.22 | 6.07 | 6.39 | 7.07 | 7.33 | 6.67 | 5.73 | | | | | | | |
| 85 | 1.93 | 2.29 | 2.93 | 3.61 | 3.22 | 2.73 | 2.59 | 2.88 | 3.52 | 3.90 | 3.21 | 2.39 | | | | | | | |
| 90 | 0.55 | 0.61 | 0.71 | 0.81 | 0.73 | 0.62 | 0.52 | 0.70 | 0.95 | 1.04 | 0.96 | 0.69 | | | | | | | |
| 95 | 0.56 | 0.63 | 0.71 | 0.83 | 0.73 | 0.65 | 0.55 | 0.69 | 0.98 | 1.05 | 0.99 | 0.68 | | | | | | | |
| 100 | 0.61 | 0.66 | 0.74 | 0.86 | 0.77 | 0.70 | 0.59 | 0.72 | 1.02 | 1.08 | 1.03 | 0.71 | | | | | | | |
| 105 | 0.66 | 0.69 | 0.77 | 0.89 | 0.82 | 0.74 | 0.63 | 0.76 | 1.05 | 1.11 | 1.06 | 0.76 | | | | | | | |
| 110 | 0.72 | 0.74 | 0.81 | 0.92 | 0.86 | 0.80 | 0.68 | 0.80 | 1.08 | 1.13 | 1.08 | 0.81 | | | | | | | |
| 115 | 0.77 | 0.79 | 0.85 | 0.95 | 0.90 | 0.83 | 0.72 | 0.84 | 1.10 | 1.15 | 1.08 | 0.84 | | | | | | | |
| 120 | 0.81 | 0.86 | 0.90 | 0.98 | 0.94 | 0.89 | 0.76 | 0.87 | 1.11 | 1.16 | 1.09 | 0.89 | | | | | | | |
| 125 | 0.87 | 0.92 | 0.95 | 1.01 | 0.97 | 0.93 | 0.80 | 0.91 | 1.12 | 1.16 | 1.09 | 0.92 | | | | | | | |
| 130 | 0.92 | 0.96 | 0.99 | 1.04 | 1.00 | 0.96 | 0.85 | 0.94 | 1.14 | 1.16 | 1.10 | 0.95 | | | | | | | |
| 135 | 0.95 | 0.99 | 1.03 | 1.07 | 1.03 | 1.00 | 0.89 | 0.97 | 1.14 | 1.16 | 1.11 | 0.96 | | | | | | | |
| 140 | 0.99 | 1.03 | 1.06 | 1.10 | 1.07 | 1.03 | 0.93 | 1.00 | 1.15 | 1.16 | 1.12 | 0.97 | | | | | | | |
| 145 | 1.02 | 1.06 | 1.09 | 1.13 | 1.10 | 1.07 | 0.97 | 1.03 | 1.16 | 1.17 | 1.14 | 1.01 | | | | | | | |
| 150 | 1.06 | 1.10 | 1.12 | 1.17 | 1.13 | 1.10 | 1.02 | 1.07 | 1.17 | 1.18 | 1.15 | 1.04 | | | | | | | |
| 155 | 1.10 | 1.13 | 1.16 | 1.20 | 1.15 | 1.14 | 1.07 | 1.09 | 1.19 | 1.19 | 1.18 | 1.07 | | | | | | | |
| 160 | 1.14 | 1.17 | 1.18 | 1.22 | 1.17 | 1.17 | 1.11 | 1.13 | 1.21 | 1.21 | 1.20 | 1.11 | | | | | | | |
| 165 | 1.17 | 1.19 | 1.20 | 1.23 | 1.20 | 1.21 | 1.15 | 1.16 | 1.22 | 1.21 | 1.22 | 1.13 | | | | | | | |
| 170 | 1.19 | 1.22 | 1.22 | 1.24 | 1.22 | 1.23 | 1.18 | 1.18 | 1.23 | 1.22 | 1.23 | 1.19 | | | | | | | |
| 175 | 1.20 | 1.23 | 1.22 | 1.25 | 1.24 | 1.24 | 1.21 | 1.21 | 1.24 | 1.23 | 1.24 | 1.21 | | | | | | | |
| 180 | 1.21 | 1.23 | 1.24 | 1.25 | 1.24 | 1.24 | 1.21 | 1.23 | 1.24 | 1.25 | 1.25 | 1.24 | | | | | | | |

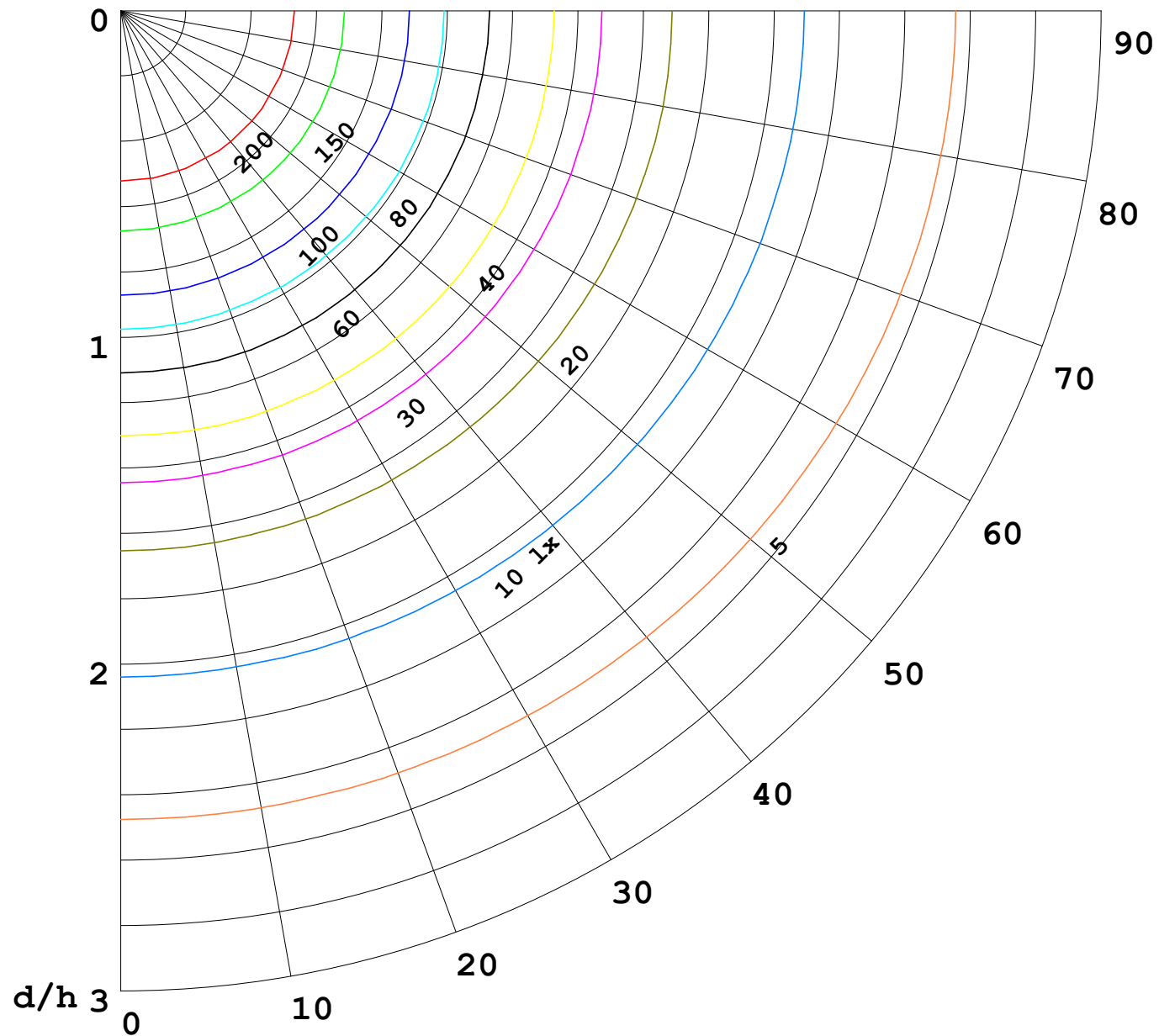
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2025-03-06

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:



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 |

