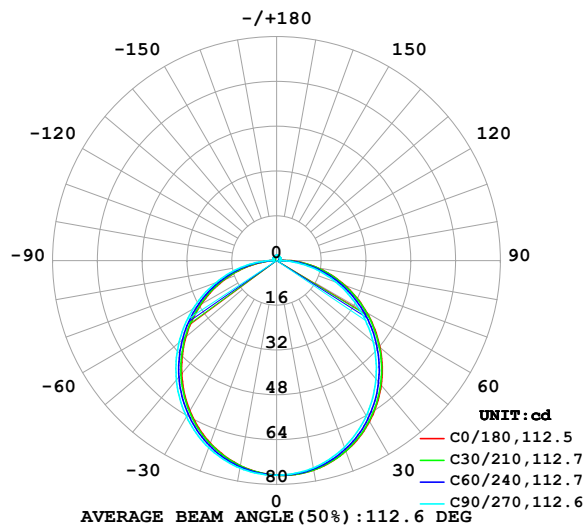


LUMINAIRE PHOTOMETRIC TEST REPORT

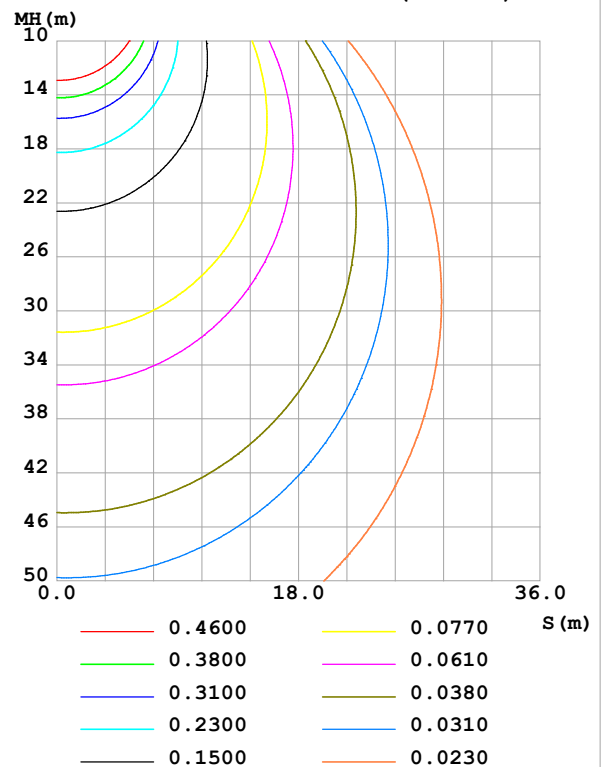
| | | |
|--|-----------------|------------------|
| Test:U:24.00V I:0.4481A P:10.75W PF:1.000 Freq:0Hz Lamp Flux:233.937x1 lm | | |
| NAME: SF16-24V-5050-70-DMX(3000K)-(3) | TYPE: | WEIGHT: |
| SPEC.: | DIM.: Length=1m | SERIAL No.: |
| MFR.: OLympia lighting | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | | Eff: 21.75 lm/W |
|------------------|---------|-----------------------|--------|-------------------|----------|-----------------|
| MODEL | 5050 | I _{max} (cd) | 76.78 | S/MH(C0/180) | 1.21 | |
| NOMINAL POWER(W) | | LOR(%) | 100.0 | S/MH(C90/270) | 1.25 | |
| RATED VOLTAGE(V) | 24 | TOTAL FLUX(lm) | 233.94 | η UP,DN(C0-180) | 1.9,48.5 | |
| NOMINAL FLUX(lm) | 233.937 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 1.9,47.7 | |
| LAMPS INSIDE | 1 | η up (%) | 3.8 | CIBSE SHR NOM | 1.25 | |
| TEST VOLTAGE(V) | | η down (%) | 96.2 | 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: 2025-03-12

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 | 76.02 | 75.80 | 75.20 | 74.58 | 74.41 | 74.67 | 75.29 | 75.88 | 0- 10 | 7.250 | 7.250 | 3.1,3.1 |
| 20 | 72.48 | 72.06 | 70.91 | 69.75 | 69.36 | 69.95 | 71.10 | 72.23 | 10- 20 | 20.72 | 27.97 | 12,12 |
| 30 | 66.42 | 65.74 | 64.09 | 62.53 | 62.01 | 62.82 | 64.45 | 66.01 | 20- 30 | 31.29 | 59.26 | 25.3,25.3 |
| 40 | 58.14 | 57.28 | 55.24 | 53.35 | 52.79 | 53.75 | 55.72 | 57.66 | 30- 40 | 37.60 | 96.86 | 41.4,41.4 |
| 50 | 48.24 | 47.26 | 44.97 | 42.85 | 42.27 | 43.34 | 45.52 | 47.71 | 40- 50 | 38.98 | 135.8 | 58.1,58.1 |
| 60 | 37.30 | 36.30 | 33.90 | 31.65 | 31.08 | 32.19 | 34.46 | 36.76 | 50- 60 | 35.60 | 171.4 | 73.3,73.3 |
| 70 | 25.96 | 24.97 | 22.57 | 20.31 | 19.74 | 20.85 | 23.10 | 25.40 | 60- 70 | 28.26 | 199.7 | 85.4,85.4 |
| 80 | 14.71 | 13.70 | 11.33 | 9.151 | 8.608 | 9.659 | 11.86 | 14.12 | 70- 80 | 18.19 | 217.9 | 93.1,93.1 |
| 90 | 4.633 | 3.333 | 1.080 | 1.463 | 1.680 | 1.625 | 1.360 | 3.705 | 80- 90 | 7.140 | 225.0 | 96.2,96.2 |
| 100 | 0.9744 | 0.9726 | 1.147 | 1.145 | 0.9660 | 1.222 | 1.386 | 1.152 | 90-100 | 1.516 | 226.5 | 96.8,96.8 |
| 110 | 1.101 | 1.180 | 1.251 | 1.256 | 1.093 | 1.320 | 1.470 | 1.231 | 100-110 | 1.246 | 227.8 | 97.4,97.4 |
| 120 | 1.248 | 1.308 | 1.360 | 1.365 | 1.225 | 1.409 | 1.522 | 1.319 | 110-120 | 1.284 | 229.1 | 97.9,97.9 |
| 130 | 1.381 | 1.411 | 1.464 | 1.471 | 1.355 | 1.498 | 1.565 | 1.404 | 120-130 | 1.251 | 230.3 | 98.5,98.5 |
| 140 | 1.499 | 1.512 | 1.557 | 1.570 | 1.488 | 1.587 | 1.623 | 1.481 | 130-140 | 1.153 | 231.5 | 98.9,98.9 |
| 150 | 1.617 | 1.613 | 1.672 | 1.673 | 1.615 | 1.671 | 1.689 | 1.570 | 140-150 | 0.9957 | 232.5 | 99.4,99.4 |
| 160 | 1.741 | 1.726 | 1.779 | 1.774 | 1.739 | 1.755 | 1.753 | 1.680 | 150-160 | 0.7802 | 233.3 | 99.7,99.7 |
| 170 | 1.793 | 1.837 | 1.857 | 1.853 | 1.805 | 1.831 | 1.825 | 1.797 | 160-170 | 0.5049 | 233.8 | 99.9,99.9 |
| 180 | 1.845 | 1.889 | 1.895 | 1.885 | 1.845 | 1.886 | 1.892 | 1.882 | 170-180 | 0.1765 | 233.9 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 116.49 lm

%lum = 49.8%

%lamp = 49.8%

Conical surface Flux(130deg): 186.69 lm

%lum = 79.8%

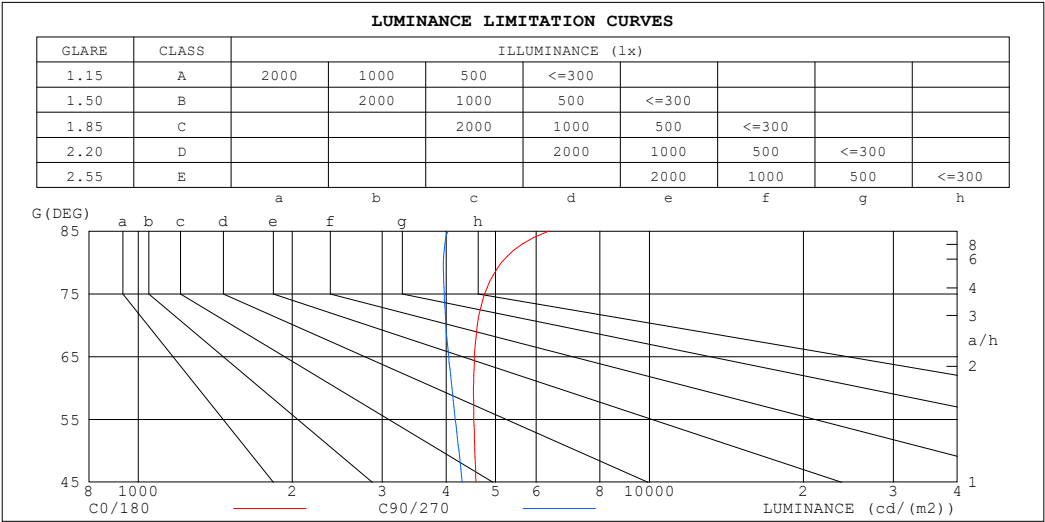
%lamp = 79.8%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:
 Test Date:2025-03-12

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:0.4481A P:10.75W PF:1.000 Freq:0Hz Lamp Flux:233.937x1 lm | | |
| NAME: SF16-24V-5050-70-DMX(3000K)-(3) | TYPE: | WEIGHT: |
| SPEC.: | DIM.: Length=1m | SERIAL No.: |
| MFR.: OLympia lighting | SUR.: | Shielding Angle: |



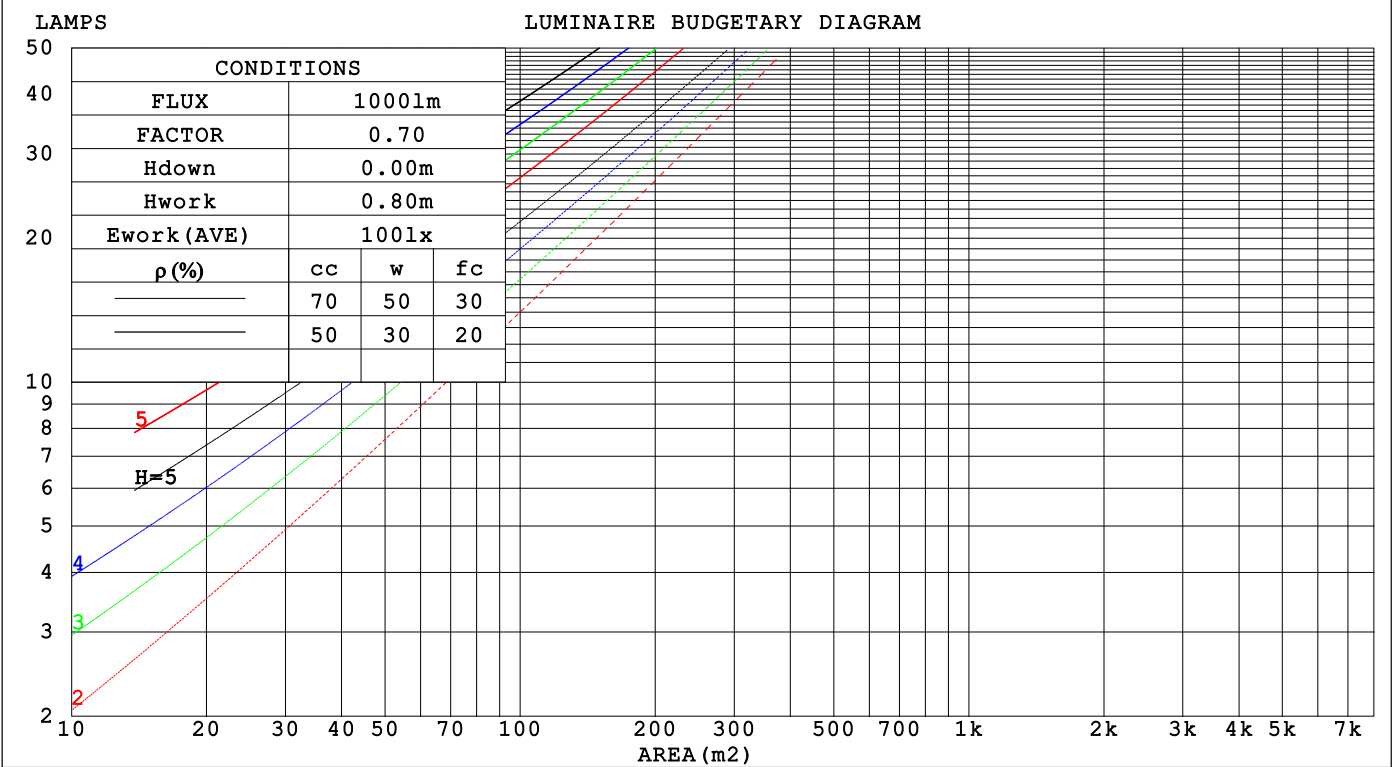
| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 6367 | 4031 |
| 80 | 5139 | 3951 |
| 75 | 4760 | 3967 |
| 70 | 4606 | 3998 |
| 65 | 4546 | 4047 |
| 60 | 4527 | 4106 |
| 55 | 4533 | 4169 |
| 50 | 4553 | 4237 |
| 45 | 4577 | 4304 |

| | |
|----------------------|---|
| 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:2025-03-12 | Remarks: |

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|--|-----------------|------------------|
| Test:U:24.00V I:0.4481A P:10.75W PF:1.000 Freq:0Hz | | |
| Lamp Flux:233.937x1 lm | | |
| NAME: SF16-24V-5050-70-DMX(3000K)-(3) | 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 | | | | | | | | | | | | | | | |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2025-03-12

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:0.4481A P:10.75W PF:1.000 Freq:0Hz Lamp Flux:233.937x1 lm | | |
| NAME: SF16-24V-5050-70-DMX(3000K)-(3) | 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 | .326 | .186 | .059 | .318 | .181 | .058 | .303 | .174 | .055 | .288 | .166 | .053 | .275 | .159 | .051 | | | | | | | | | | | | | | | |
| 2.0 | .301 | .165 | .051 | .294 | .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 | .121 | .037 | .216 | .118 | .036 | | | | | | | | | | | | | | | |
| 5.0 | .233 | .119 | .034 | .228 | .117 | .034 | .218 | .113 | .033 | .209 | .110 | .033 | .200 | .107 | .032 | | | | | | | | | | | | | | | |
| 6.0 | .215 | .108 | .031 | .211 | .106 | .031 | .202 | .103 | .030 | .194 | .101 | .030 | .186 | .098 | .029 | | | | | | | | | | | | | | | |
| 7.0 | .200 | .099 | .028 | .196 | .098 | .028 | .188 | .095 | .027 | .180 | .092 | .027 | .173 | .090 | .026 | | | | | | | | | | | | | | | |
| 8.0 | .186 | .091 | .026 | .183 | .090 | .025 | .176 | .088 | .025 | .169 | .086 | .025 | .162 | .083 | .024 | | | | | | | | | | | | | | | |
| 9.0 | .175 | .084 | .024 | .171 | .083 | .023 | .165 | .081 | .023 | .158 | .079 | .023 | .153 | .078 | .022 | | | | | | | | | | | | | | | |
| 10.0 | .164 | .079 | .022 | .161 | .078 | .022 | .155 | .076 | .021 | .149 | .074 | .021 | .144 | .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 | .219 | .219 | .219 | .188 | .188 | .188 | .128 | .128 | .128 | .074 | .074 | .074 | .024 | .024 | .024 | |
| 1.0 | .211 | .185 | .162 | .180 | .159 | .140 | .123 | .109 | .097 | .071 | .063 | .056 | .023 | .020 | .018 | |
| 2.0 | .203 | .161 | .126 | .174 | .139 | .109 | .119 | .096 | .076 | .069 | .056 | .045 | .022 | .018 | .015 | |
| 3.0 | .195 | .144 | .103 | .167 | .124 | .089 | .115 | .086 | .063 | .066 | .050 | .037 | .021 | .016 | .012 | |
| 4.0 | .188 | .131 | .087 | .161 | .113 | .076 | .111 | .079 | .054 | .064 | .046 | .032 | .021 | .015 | .010 | |
| 5.0 | .180 | .121 | .077 | .155 | .104 | .067 | .106 | .073 | .047 | .062 | .043 | .028 | .020 | .014 | .009 | |
| 6.0 | .173 | .112 | .069 | .148 | .097 | .060 | .102 | .068 | .042 | .059 | .040 | .025 | .019 | .013 | .008 | |
| 7.0 | .166 | .105 | .063 | .143 | .091 | .055 | .099 | .064 | .039 | .057 | .038 | .023 | .019 | .012 | .008 | |
| 8.0 | .159 | .100 | .059 | .137 | .086 | .051 | .095 | .061 | .036 | .055 | .036 | .022 | .018 | .012 | .007 | |
| 9.0 | .153 | .095 | .055 | .132 | .082 | .048 | .091 | .058 | .034 | .053 | .034 | .020 | .017 | .011 | .007 | |
| 10.0 | .147 | .090 | .053 | .127 | .079 | .046 | .088 | .055 | .033 | .051 | .033 | .019 | .017 | .011 | .006 | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2025-03-12

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:0.4481A P:10.75W PF:1.000 Freq:0Hz Lamp Flux:233.937x1 lm | | | | | | | | | | | |
| NAME: SF16-24V-5050-70-DMX(3000K)-(3) | | | | | | 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 | 23.1 | 24.5 | 23.4 | 24.8 | 25.1 | 22.7 | 24.2 | 23.0 | 24.4 | 24.7 |
| | 3H | 24.9 | 26.2 | 25.2 | 26.5 | 26.9 | 24.4 | 25.7 | 24.7 | 26.0 | 26.3 |
| | 4H | 25.7 | 27.0 | 26.1 | 27.3 | 27.7 | 25.1 | 26.4 | 25.5 | 26.7 | 27.1 |
| | 6H | 26.5 | 27.7 | 26.9 | 28.1 | 28.4 | 25.7 | 26.9 | 26.1 | 27.3 | 27.6 |
| | 8H | 26.8 | 28.0 | 27.2 | 28.4 | 28.8 | 25.9 | 27.1 | 26.3 | 27.5 | 27.8 |
| | 12H | 27.2 | 28.3 | 27.6 | 28.7 | 29.0 | 26.1 | 27.3 | 26.5 | 27.6 | 28.0 |
| 4H | 2H | 23.7 | 25.0 | 24.1 | 25.3 | 25.7 | 23.4 | 24.7 | 23.8 | 25.0 | 25.4 |
| | 3H | 25.7 | 26.9 | 26.1 | 27.2 | 27.6 | 25.3 | 26.4 | 25.7 | 26.8 | 27.2 |
| | 4H | 26.7 | 27.8 | 27.2 | 28.2 | 28.6 | 26.2 | 27.2 | 26.6 | 27.6 | 28.0 |
| | 6H | 27.7 | 28.6 | 28.1 | 29.0 | 29.5 | 26.9 | 27.9 | 27.4 | 28.3 | 28.7 |
| | 8H | 28.1 | 29.0 | 28.6 | 29.4 | 29.9 | 27.2 | 28.1 | 27.7 | 28.5 | 29.0 |
| | 12H | 28.5 | 29.3 | 29.0 | 29.7 | 30.2 | 27.5 | 28.3 | 28.0 | 28.7 | 29.2 |
| 8H | 4H | 27.1 | 27.9 | 27.5 | 28.4 | 28.8 | 26.6 | 27.5 | 27.1 | 27.9 | 28.4 |
| | 6H | 28.2 | 28.9 | 28.7 | 29.4 | 29.9 | 27.6 | 28.3 | 28.1 | 28.8 | 29.3 |
| | 8H | 28.8 | 29.4 | 29.3 | 29.9 | 30.5 | 28.0 | 28.6 | 28.5 | 29.1 | 29.7 |
| | 12H | 29.3 | 29.9 | 29.9 | 30.4 | 31.0 | 28.4 | 28.9 | 28.9 | 29.4 | 30.0 |
| 12H | 4H | 27.1 | 27.9 | 27.6 | 28.4 | 28.8 | 26.7 | 27.5 | 27.1 | 27.9 | 28.4 |
| | 6H | 28.3 | 29.0 | 28.8 | 29.5 | 30.0 | 27.7 | 28.4 | 28.2 | 28.9 | 29.4 |
| | 8H | 29.0 | 29.5 | 29.5 | 30.0 | 30.6 | 28.2 | 28.8 | 28.8 | 29.3 | 29.9 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | | |
| S = 1.0H | | + 0.1 / - 0.1 | | | | | + 0.1 / - 0.2 | | | | |
| 1.5H | | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |
| 2.0H | | + 0.1 / - 0.3 | | | | | + 0.1 / - 0.4 | | | | |

CIE Pub.117, 233.9 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -5.0)
Area: 0.0165 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2025-03-12

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:0.4481A P:10.75W PF:1.000 Freq:0Hz Lamp Flux:233.937x1 lm | | |
| NAME: SF16-24V-5050-70-DMX(3000K) - (3) | TYPE: | WEIGHT: |
| SPEC.: | DIM.: Length=1m | SERIAL No.: |
| MFR.: OLympia lighting | SUR.: | Shielding Angle: |

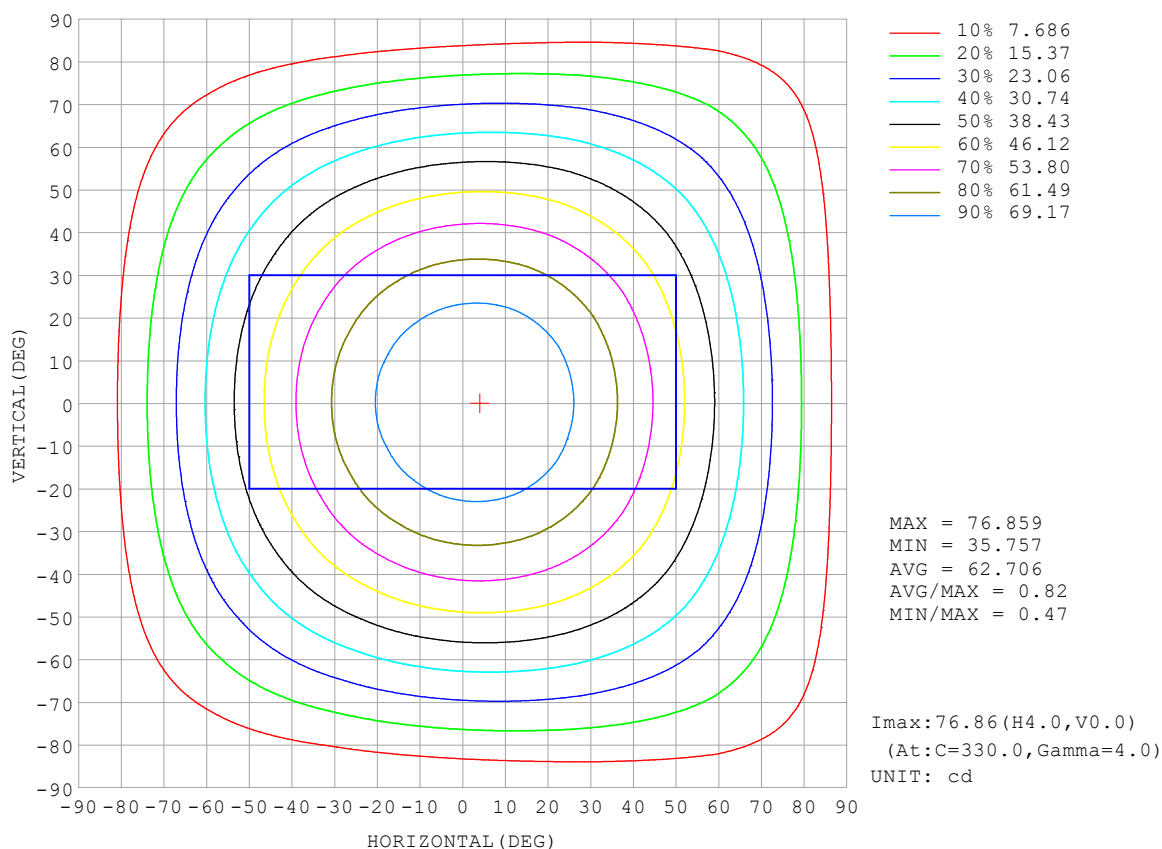
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 53 | 43 | 36 | 30 |
| 0.80 | 65 | 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 | 62 | 79 | 69 | 62 | 76 | 67 | 61 | 53 |
| 1.50 | 86 | 75 | 68 | 84 | 74 | 67 | 80 | 72 | 66 | 58 |
| 2.00 | 93 | 84 | 77 | 91 | 82 | 76 | 87 | 80 | 74 | 65 |
| 2.50 | 97 | 88 | 82 | 94 | 87 | 81 | 90 | 84 | 79 | 69 |
| 3.00 | 100 | 93 | 87 | 98 | 91 | 86 | 93 | 88 | 83 | 73 |
| 4.00 | 104 | 98 | 93 | 102 | 96 | 92 | 97 | 92 | 88 | 78 |
| 5.00 | 107 | 102 | 97 | 104 | 99 | 95 | 99 | 95 | 92 | 81 |
| 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: 2025-03-12

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:0.4481A P:10.75W PF:1.000 Freq:0Hz Lamp Flux:233.937x1 lm | | |
| NAME: SF16-24V-5050-70-DMX(3000K)-(3) | TYPE: | WEIGHT: |
| SPEC.: | DIM.: Length=1m | SERIAL No.: |
| MFR.: OLympia lighting | SUR.: | Shielding Angle: |

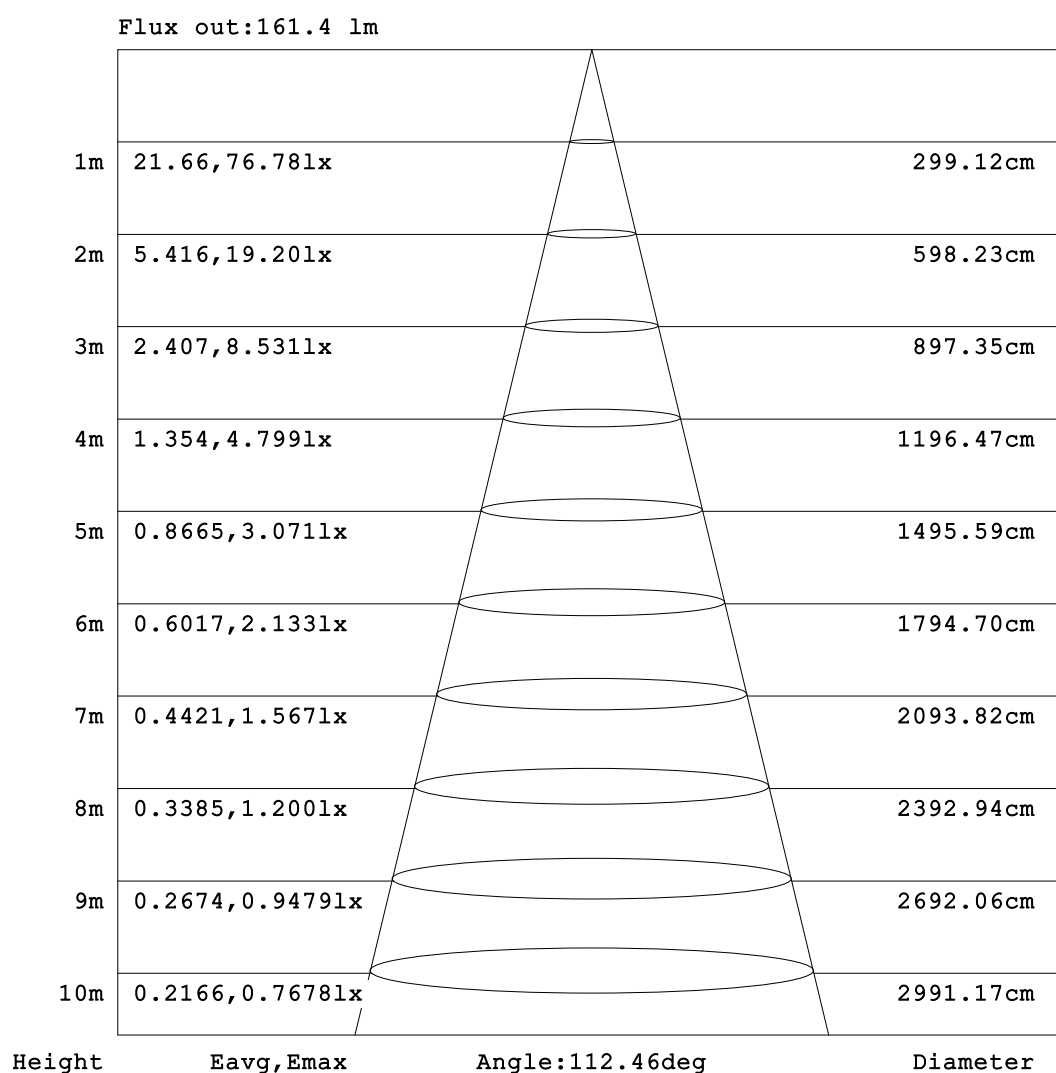


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 2025-03-12

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:0.4481A P:10.75W PF:1.000 Freq:0Hz Lamp Flux:233.937x1 lm | | |
| NAME: SF16-24V-5050-70-DMX(3000K)-(3) | TYPE: | WEIGHT: |
| SPEC.: | DIM.: Length=1m | SERIAL No.: |
| MFR.: OLympia lighting | SUR.: | Shielding Angle: |



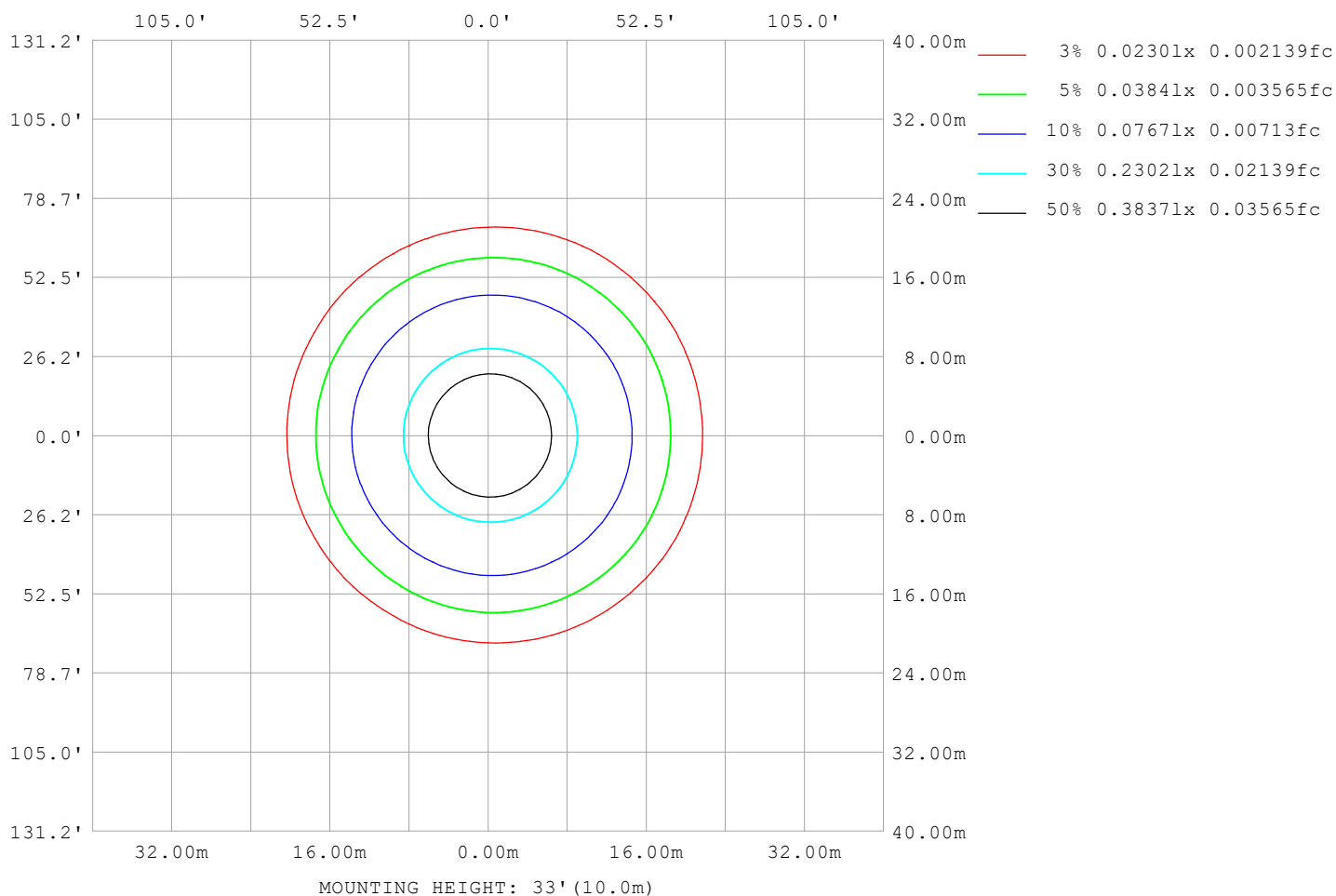
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2025-03-12

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:0.4481A P:10.75W PF:1.000 Freq:0Hz Lamp Flux:233.937x1 lm | | |
| NAME: SF16-24V-5050-70-DMX(3000K)-(3) | 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: 2025-03-12

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:0.4481A P:10.75W PF:1.000 Freq:0Hz Lamp Flux:233.937x1 lm | | |
| NAME: SF16-24V-5050-70-DMX(3000K)-(3) | TYPE: | WEIGHT: |
| SPEC.: | DIM.: Length=1m | SERIAL No.: |
| MFR.: OLympia lighting | SUR.: | Shielding Angle: |

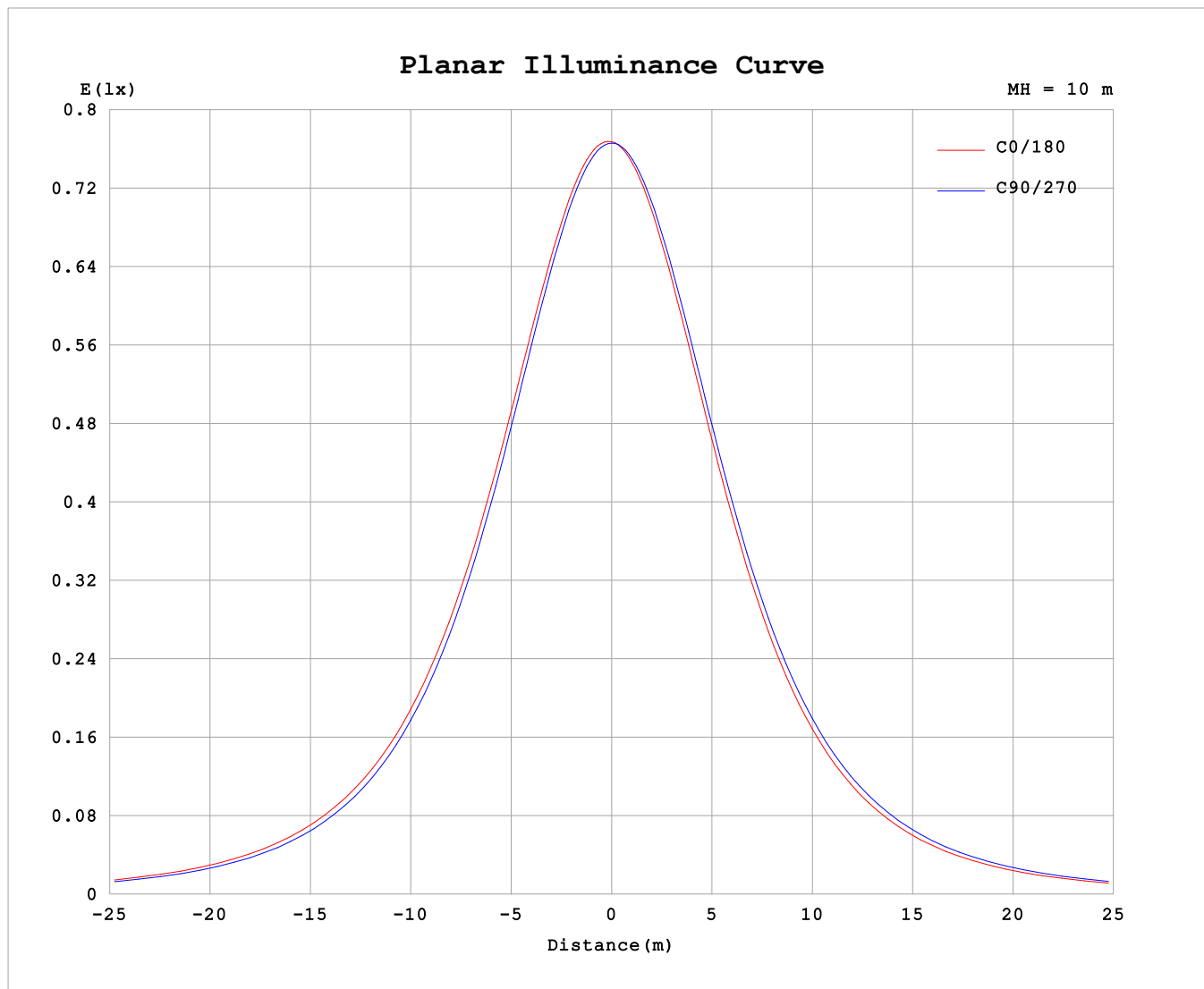
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 4091 |
| L_0~180 (75) av | 4033 |
| L_0~180 (85) av | 4623 |
| L_90~270 (65) av | 4089 |
| L_90~270 (75) av | 4028 |
| L_90~270 (85) av | 4203 |
| L_45 (65) av | 4097 |
| L_45 (75) av | 4039 |
| L_45 (85) av | 4400 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2025-03-12

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: 2025-03-12

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:0.4481A P:10.75W PF:1.000 Freq:0Hz Lamp Flux:233.937x1 lm | | |
| NAME: SF16-24V-5050-70-DMX(3000K)-(3) | TYPE: | WEIGHT: |
| SPEC.: | DIM.: Length=1m | SERIAL No.: |
| MFR.: OLYMPIA lighting | SUR.: | Shielding Angle: |

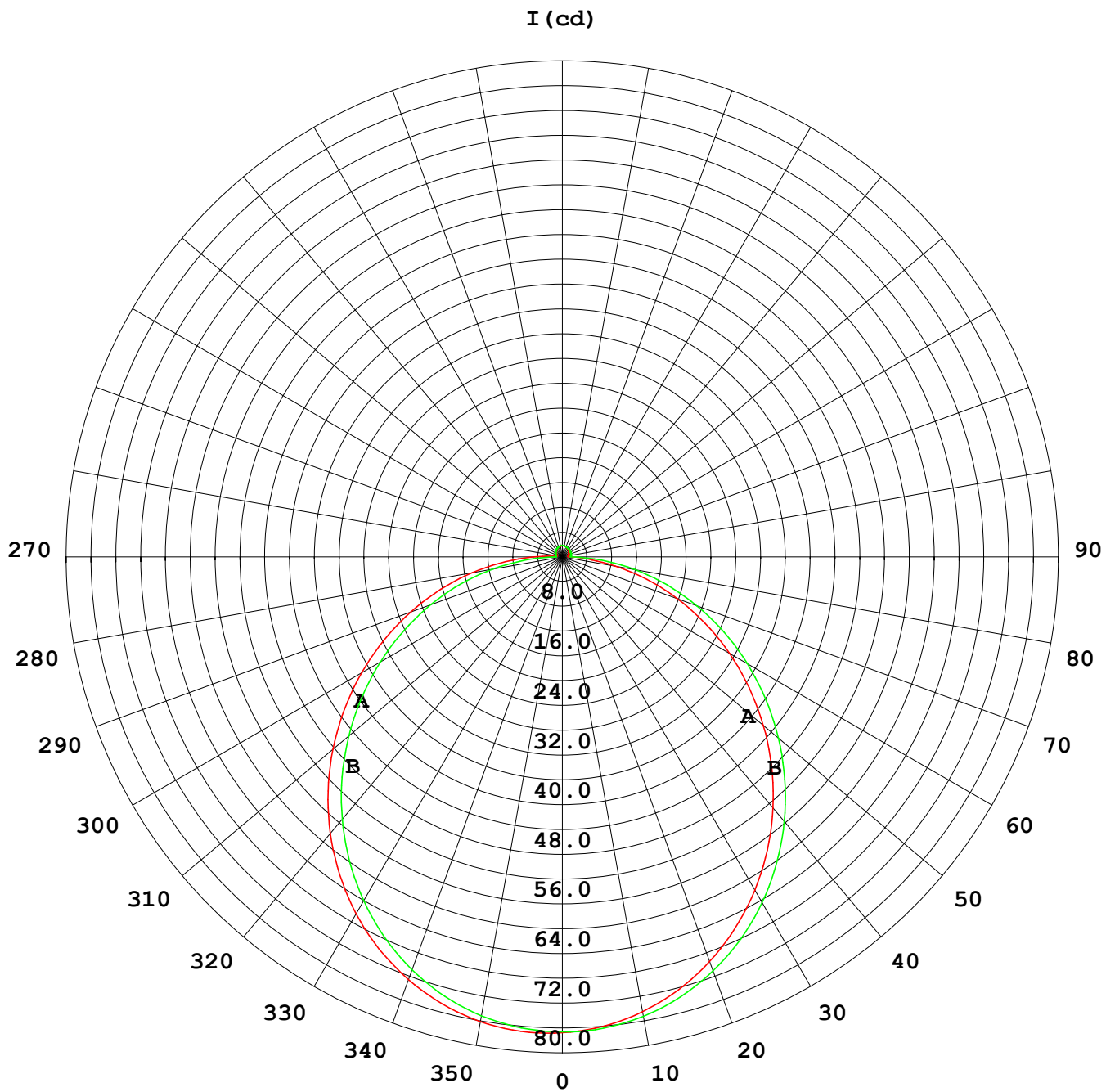
Table--1

UNIT: cd

| C (DEG) γ (DEG) | 0 | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 | | | | | | |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|
| 0 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | | | | | | |
| 5 | 76.7 | 76.7 | 76.5 | 76.3 | 76.1 | 75.9 | 75.9 | 75.9 | 76.1 | 76.3 | 76.5 | 76.7 | | | | | | |
| 10 | 76.0 | 76.0 | 75.6 | 75.2 | 74.7 | 74.5 | 74.4 | 74.5 | 74.9 | 75.3 | 75.7 | 76.0 | | | | | | |
| 15 | 74.6 | 74.5 | 74.0 | 73.4 | 72.7 | 72.3 | 72.2 | 72.3 | 72.9 | 73.5 | 74.2 | 74.6 | | | | | | |
| 20 | 72.5 | 72.4 | 71.7 | 70.9 | 70.0 | 69.5 | 69.4 | 69.6 | 70.3 | 71.1 | 72.0 | 72.5 | | | | | | |
| 25 | 69.8 | 69.6 | 68.8 | 67.8 | 66.7 | 66.1 | 66.0 | 66.3 | 67.1 | 68.1 | 69.1 | 69.8 | | | | | | |
| 30 | 66.4 | 66.2 | 65.3 | 64.1 | 62.9 | 62.2 | 62.0 | 62.3 | 63.3 | 64.5 | 65.6 | 66.4 | | | | | | |
| 35 | 62.5 | 62.3 | 61.2 | 59.9 | 58.5 | 57.8 | 57.6 | 58.0 | 59.0 | 60.3 | 61.7 | 62.5 | | | | | | |
| 40 | 58.1 | 57.9 | 56.7 | 55.2 | 53.8 | 52.9 | 52.8 | 53.2 | 54.3 | 55.7 | 57.2 | 58.1 | | | | | | |
| 45 | 53.3 | 53.1 | 51.8 | 50.2 | 48.7 | 47.8 | 47.7 | 48.1 | 49.3 | 50.8 | 52.4 | 53.3 | | | | | | |
| 50 | 48.2 | 47.9 | 46.6 | 45.0 | 43.3 | 42.4 | 42.3 | 42.7 | 44.0 | 45.5 | 47.2 | 48.2 | | | | | | |
| 55 | 42.9 | 42.5 | 41.2 | 39.5 | 37.8 | 36.8 | 36.7 | 37.2 | 38.5 | 40.0 | 41.8 | 42.8 | | | | | | |
| 60 | 37.3 | 37.0 | 35.6 | 33.9 | 32.1 | 31.2 | 31.1 | 31.5 | 32.9 | 34.5 | 36.2 | 37.3 | | | | | | |
| 65 | 31.7 | 31.4 | 30.0 | 28.2 | 26.5 | 25.5 | 25.4 | 25.9 | 27.2 | 28.8 | 30.6 | 31.6 | | | | | | |
| 70 | 26.0 | 25.7 | 24.3 | 22.6 | 20.8 | 19.8 | 19.7 | 20.2 | 21.5 | 23.1 | 24.9 | 25.9 | | | | | | |
| 75 | 20.3 | 20.0 | 18.6 | 17.0 | 15.2 | 14.2 | 14.1 | 14.6 | 15.9 | 17.5 | 19.2 | 20.3 | | | | | | |
| 80 | 14.7 | 14.4 | 13.0 | 11.3 | 9.61 | 8.69 | 8.61 | 9.03 | 10.3 | 11.9 | 13.6 | 14.7 | | | | | | |
| 85 | 9.15 | 8.82 | 7.44 | 5.80 | 4.19 | 4.03 | 4.15 | 4.25 | 4.82 | 6.29 | 8.04 | 9.05 | | | | | | |
| 90 | 4.63 | 4.11 | 2.56 | 1.08 | 1.32 | 1.61 | 1.68 | 1.69 | 1.56 | 1.36 | 3.05 | 4.36 | | | | | | |
| 95 | 1.60 | 1.22 | 0.97 | 1.11 | 1.10 | 1.08 | 0.92 | 1.08 | 1.28 | 1.33 | 1.24 | 1.42 | | | | | | |
| 100 | 0.97 | 0.93 | 1.01 | 1.15 | 1.15 | 1.14 | 0.97 | 1.12 | 1.33 | 1.39 | 1.27 | 1.04 | | | | | | |
| 105 | 1.03 | 1.04 | 1.11 | 1.19 | 1.20 | 1.20 | 1.03 | 1.16 | 1.37 | 1.43 | 1.31 | 1.05 | | | | | | |
| 110 | 1.10 | 1.17 | 1.19 | 1.25 | 1.25 | 1.26 | 1.09 | 1.22 | 1.42 | 1.47 | 1.35 | 1.11 | | | | | | |
| 115 | 1.17 | 1.24 | 1.26 | 1.31 | 1.30 | 1.32 | 1.16 | 1.27 | 1.46 | 1.50 | 1.40 | 1.16 | | | | | | |
| 120 | 1.25 | 1.30 | 1.32 | 1.36 | 1.35 | 1.38 | 1.23 | 1.32 | 1.49 | 1.52 | 1.42 | 1.22 | | | | | | |
| 125 | 1.31 | 1.36 | 1.37 | 1.41 | 1.40 | 1.43 | 1.29 | 1.38 | 1.53 | 1.54 | 1.45 | 1.26 | | | | | | |
| 130 | 1.38 | 1.41 | 1.41 | 1.46 | 1.46 | 1.48 | 1.36 | 1.43 | 1.57 | 1.57 | 1.49 | 1.32 | | | | | | |
| 135 | 1.44 | 1.45 | 1.46 | 1.51 | 1.50 | 1.53 | 1.42 | 1.47 | 1.60 | 1.59 | 1.52 | 1.35 | | | | | | |
| 140 | 1.50 | 1.51 | 1.52 | 1.56 | 1.56 | 1.58 | 1.49 | 1.53 | 1.64 | 1.62 | 1.56 | 1.40 | | | | | | |
| 145 | 1.56 | 1.56 | 1.56 | 1.62 | 1.61 | 1.64 | 1.55 | 1.58 | 1.67 | 1.65 | 1.59 | 1.45 | | | | | | |
| 150 | 1.62 | 1.61 | 1.62 | 1.67 | 1.65 | 1.69 | 1.61 | 1.63 | 1.71 | 1.69 | 1.63 | 1.51 | | | | | | |
| 155 | 1.68 | 1.67 | 1.67 | 1.72 | 1.70 | 1.74 | 1.68 | 1.68 | 1.75 | 1.72 | 1.69 | 1.57 | | | | | | |
| 160 | 1.74 | 1.72 | 1.73 | 1.78 | 1.75 | 1.80 | 1.74 | 1.73 | 1.78 | 1.75 | 1.73 | 1.63 | | | | | | |
| 165 | 1.78 | 1.77 | 1.78 | 1.82 | 1.80 | 1.84 | 1.79 | 1.77 | 1.82 | 1.79 | 1.77 | 1.69 | | | | | | |
| 170 | 1.79 | 1.84 | 1.83 | 1.86 | 1.84 | 1.87 | 1.80 | 1.82 | 1.84 | 1.83 | 1.82 | 1.78 | | | | | | |
| 175 | 1.82 | 1.88 | 1.86 | 1.89 | 1.87 | 1.88 | 1.83 | 1.85 | 1.89 | 1.86 | 1.86 | 1.83 | | | | | | |
| 180 | 1.85 | 1.89 | 1.89 | 1.89 | 1.89 | 1.88 | 1.85 | 1.88 | 1.89 | 1.89 | 1.89 | 1.87 | | | | | | |

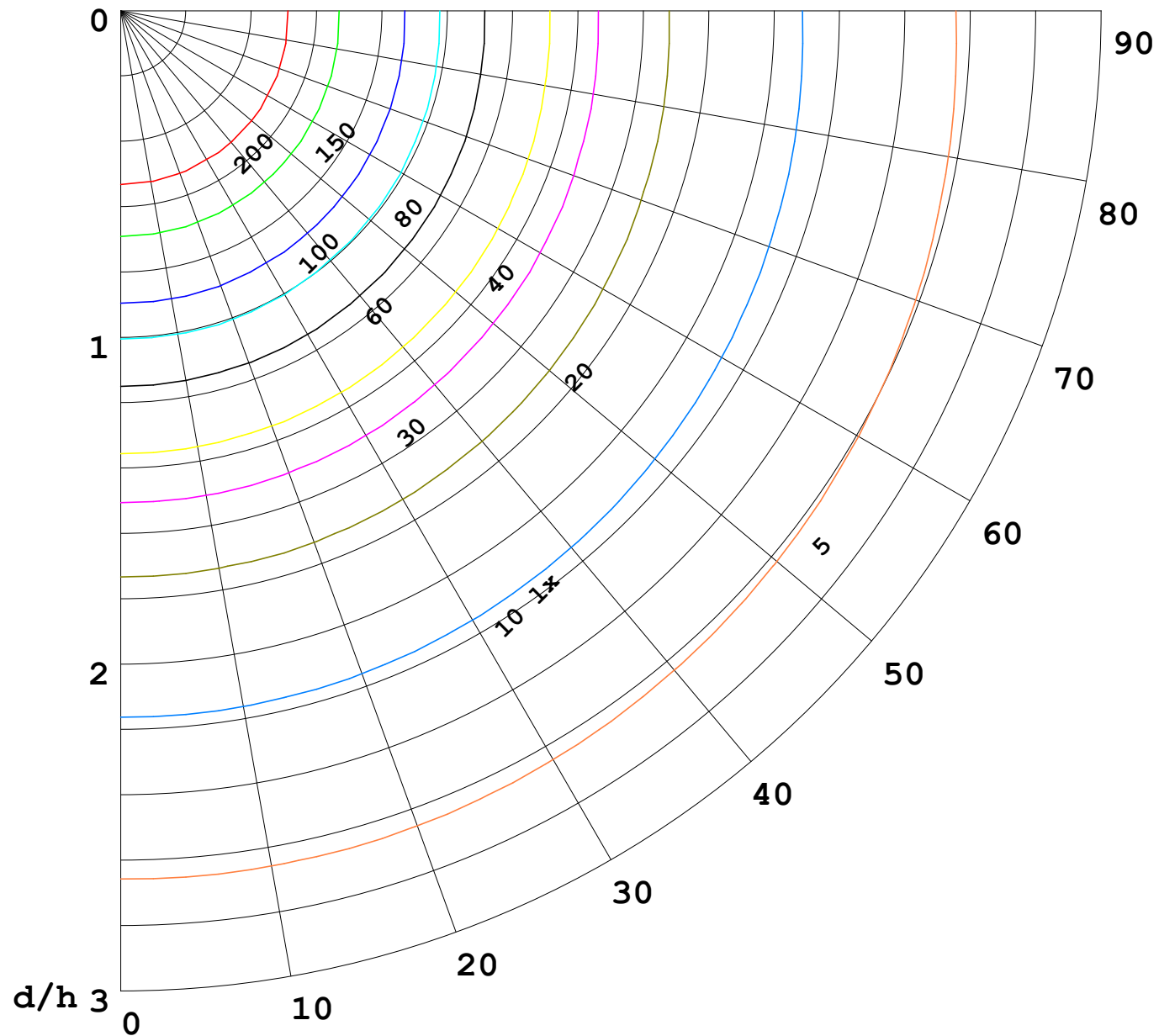
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2025-03-12

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 |

