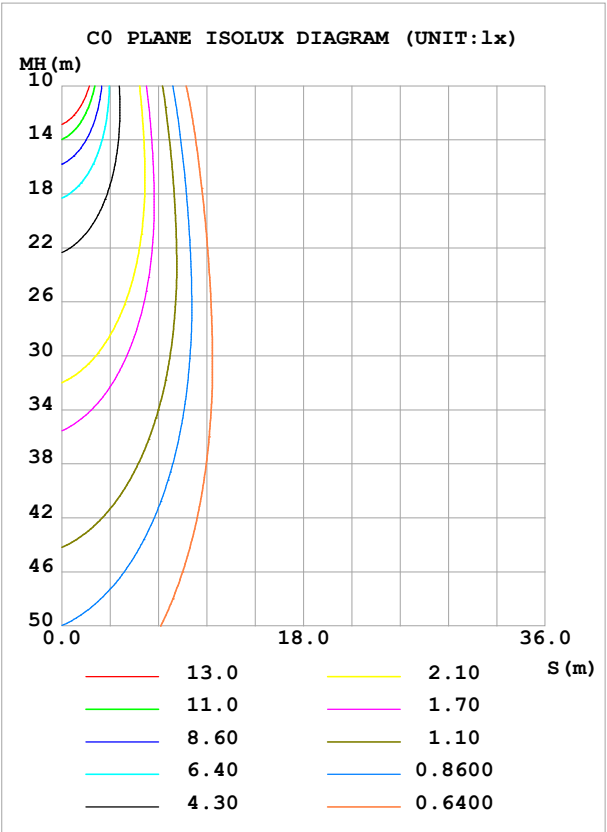
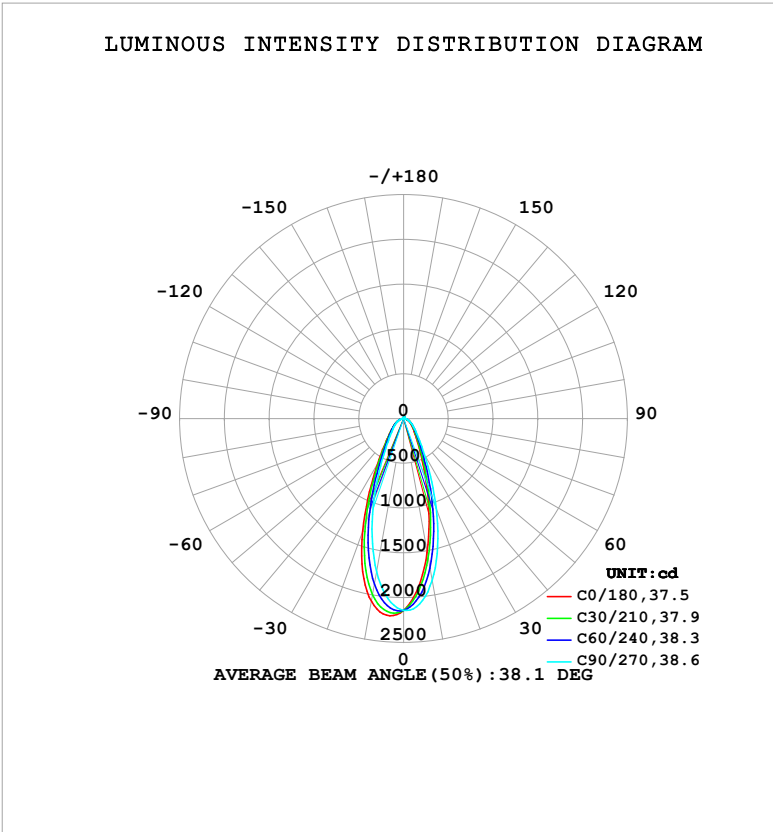


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|------------------------------------------------------------------------------|-----------------|------------------|
| Test:U:24.00V I:0.7680A P:18.43W PF:1.000 Freq:0Hz Lamp Flux:1527.44x1 lm | | |
| NAME: SFW20-24V-3535-24-CC-3500K-80-25 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: Length=1m | SERIAL No.: |
| MFR.: OLympia lighting | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | | Eff: 82.87 lm/W |
|------------------|---------|-----------------------|--------|-------------------|----------|-----------------|
| MODEL | 3535 | I _{max} (cd) | 2206 | S/MH(C0/180) | 0.72 | |
| NOMINAL POWER(W) | 18 | LOR(%) | 100.0 | S/MH(C90/270) | 0.61 | |
| RATED VOLTAGE(V) | 24 | TOTAL FLUX(lm) | 1527.4 | η UP,DN(C0-180) | 1.9,47.7 | |
| NOMINAL FLUX(lm) | 1527.44 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 1.7,48.8 | |
| LAMPS INSIDE | 1 | η up (%) | 3.6 | CIBSE SHR NOM | 0.50 | |
| TEST VOLTAGE(V) | | η down (%) | 96.4 | CIBSE SHR MAX | 0.65 | |



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:
 Test Date:2025-04-21

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 | 1517 | 1640 | 1837 | 2005 | 2074 | 1937 | 1738 | 1585 | 0- 10 | 187.2 | 187.2 | 12.3,12.3 |
| 20 | 730.6 | 850.2 | 1068 | 1271 | 1339 | 1182 | 972.4 | 814.7 | 10- 20 | 391.1 | 578.3 | 37.9,37.9 |
| 30 | 325.0 | 380.3 | 470.0 | 575.7 | 584.7 | 516.1 | 427.1 | 359.9 | 20- 30 | 318.8 | 897.1 | 58.7,58.7 |
| 40 | 183.7 | 210.8 | 241.0 | 282.3 | 277.0 | 256.9 | 223.4 | 201.7 | 30- 40 | 202.7 | 1100 | 72,72 |
| 50 | 120.2 | 137.7 | 148.2 | 169.4 | 161.3 | 158.2 | 141.4 | 134.7 | 40- 50 | 143.5 | 1243 | 81.4,81.4 |
| 60 | 78.72 | 90.33 | 93.43 | 106.9 | 99.93 | 102.2 | 91.30 | 90.28 | 50- 60 | 107.1 | 1350 | 88.4,88.4 |
| 70 | 40.66 | 49.80 | 54.46 | 61.44 | 55.92 | 59.09 | 53.39 | 48.60 | 60- 70 | 73.15 | 1424 | 93.2,93.2 |
| 80 | 15.87 | 18.51 | 23.32 | 23.16 | 19.36 | 22.22 | 23.15 | 19.13 | 70- 80 | 37.96 | 1462 | 95.7,95.7 |
| 90 | 4.474 | 4.620 | 4.845 | 4.652 | 3.968 | 4.185 | 4.741 | 4.308 | 80- 90 | 11.49 | 1473 | 96.4,96.4 |
| 100 | 5.083 | 5.165 | 5.314 | 4.916 | 4.242 | 4.550 | 5.053 | 4.925 | 90-100 | 5.011 | 1478 | 96.8,96.8 |
| 110 | 6.519 | 6.474 | 6.415 | 5.830 | 5.074 | 5.553 | 6.224 | 6.260 | 100-110 | 5.716 | 1484 | 97.1,97.1 |
| 120 | 8.911 | 8.655 | 8.274 | 7.556 | 6.630 | 7.211 | 7.967 | 8.190 | 110-120 | 6.858 | 1491 | 97.6,97.6 |
| 130 | 11.74 | 11.28 | 10.62 | 9.995 | 8.767 | 9.285 | 9.890 | 10.22 | 120-130 | 8.104 | 1499 | 98.1,98.1 |
| 140 | 14.05 | 13.52 | 12.83 | 12.56 | 10.87 | 11.23 | 11.54 | 11.80 | 130-140 | 8.727 | 1507 | 98.7,98.7 |
| 150 | 15.12 | 14.70 | 14.36 | 14.53 | 12.42 | 12.65 | 12.62 | 12.69 | 140-150 | 8.171 | 1516 | 99.2,99.2 |
| 160 | 14.94 | 14.72 | 15.03 | 15.44 | 13.32 | 13.50 | 13.25 | 12.98 | 150-160 | 6.451 | 1522 | 99.6,99.6 |
| 170 | 14.15 | 14.38 | 15.16 | 15.34 | 13.71 | 14.03 | 14.10 | 13.49 | 160-170 | 4.030 | 1526 | 99.9,99.9 |
| 180 | 14.01 | 14.54 | 15.11 | 14.79 | 14.05 | 14.53 | 15.08 | 14.78 | 170-180 | 1.374 | 1527 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 1176.8 lm

%lum = 77.0%

%lamp = 77.0%

Conical surface Flux(130deg): 1391.4 lm

%lum = 91.1%

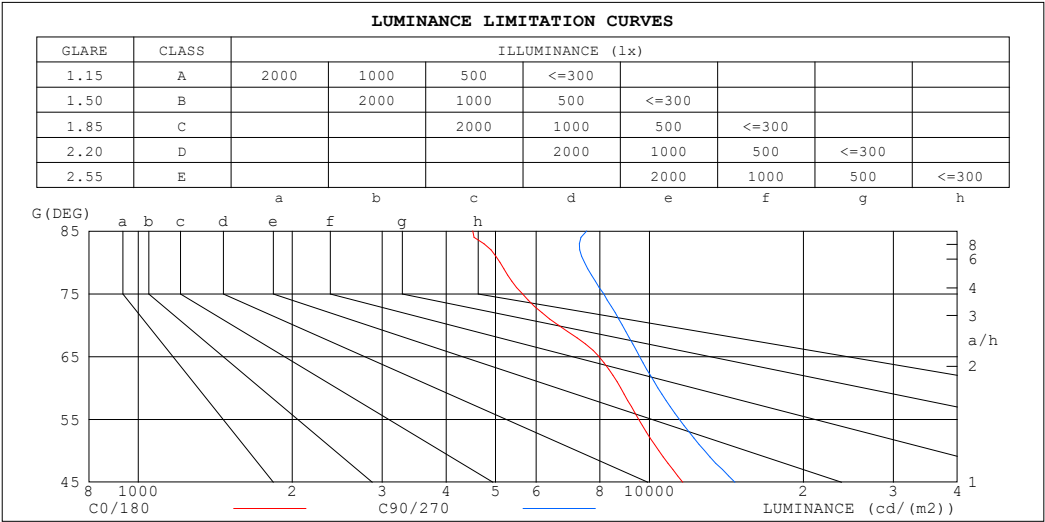
%lamp = 91.1%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:
 Test Date:2025-04-21

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:0.7680A P:18.43W PF:1.000 Freq:0Hz Lamp Flux:1527.44x1 lm | | |
| NAME: SFW20-24V-3535-24-CC-3500K-80-25 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: Length=1m | SERIAL No.: |
| MFR.: OLympia lighting | SUR.: | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 4511 | 7537 |
| 80 | 5096 | 7459 |
| 75 | 5640 | 8134 |
| 70 | 6629 | 8846 |
| 65 | 7958 | 9566 |
| 60 | 8779 | 10381 |
| 55 | 9518 | 11437 |
| 50 | 10428 | 12808 |
| 45 | 11615 | 14689 |

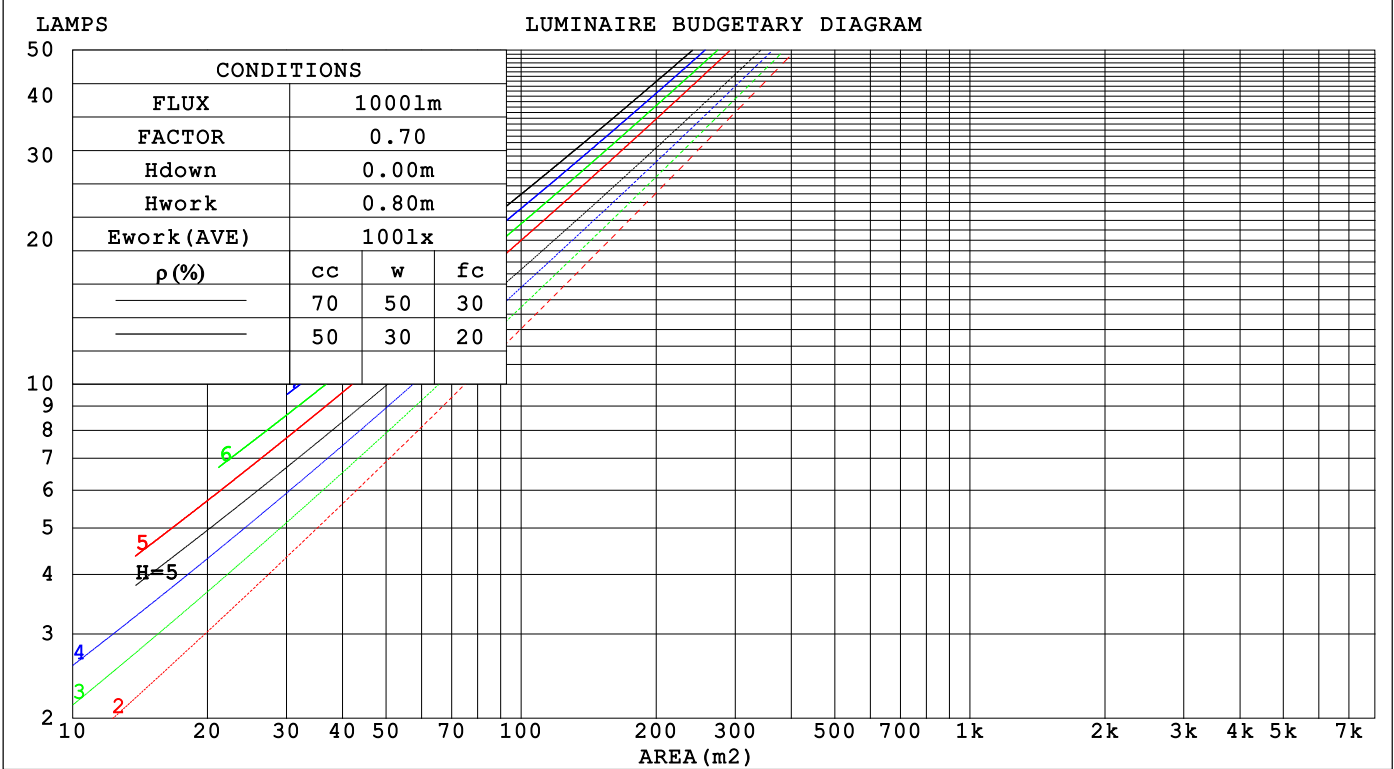
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2025-04-21

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:0.7680A P:18.43W PF:1.000 Freq:0Hz Lamp Flux:1527.44x1 lm | | |
| NAME: SFW20-24V-3535-24-CC-3500K-80-25 | 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:2025-04-21

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:0.7680A P:18.43W PF:1.000 Freq:0Hz Lamp Flux:1527.44x1 lm | | |
| NAME: SFW20-24V-3535-24-CC-3500K-80-25 | 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 | .221 | .125 | .040 | .213 | .121 | .039 | .198 | .113 | .036 | .184 | .106 | .034 | .172 | .099 | .032 | | | | | | | | | | | | | | | |
| 2.0 | .208 | .114 | .035 | .201 | .111 | .034 | .188 | .105 | .033 | .177 | .099 | .031 | .166 | .094 | .030 | | | | | | | | | | | | | | | |
| 3.0 | .195 | .104 | .031 | .189 | .101 | .030 | .177 | .096 | .029 | .167 | .092 | .028 | .158 | .087 | .027 | | | | | | | | | | | | | | | |
| 4.0 | .182 | .095 | .028 | .177 | .092 | .027 | .167 | .088 | .026 | .158 | .085 | .026 | .149 | .081 | .025 | | | | | | | | | | | | | | | |
| 5.0 | .170 | .087 | .025 | .166 | .085 | .025 | .157 | .082 | .024 | .149 | .079 | .023 | .141 | .076 | .023 | | | | | | | | | | | | | | | |
| 6.0 | .160 | .080 | .023 | .156 | .079 | .023 | .148 | .076 | .022 | .141 | .073 | .022 | .134 | .071 | .021 | | | | | | | | | | | | | | | |
| 7.0 | .151 | .074 | .021 | .147 | .073 | .021 | .140 | .071 | .020 | .134 | .068 | .020 | .127 | .066 | .019 | | | | | | | | | | | | | | | |
| 8.0 | .142 | .070 | .020 | .139 | .068 | .019 | .133 | .066 | .019 | .127 | .064 | .019 | .121 | .062 | .018 | | | | | | | | | | | | | | | |
| 9.0 | .135 | .065 | .018 | .132 | .064 | .018 | .126 | .062 | .018 | .121 | .061 | .017 | .116 | .059 | .017 | | | | | | | | | | | | | | | |
| 10.0 | .128 | .061 | .017 | .125 | .060 | .017 | .120 | .059 | .017 | .115 | .057 | .016 | .111 | .056 | .016 | | | | | | | | | | | | | | | |

| 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 | .202 | .184 | .169 | .172 | .158 | .145 | .118 | .109 | .100 | .068 | .063 | .058 | .022 | .020 | .019 | |
| 2.0 | .189 | .160 | .136 | .162 | .138 | .117 | .111 | .095 | .082 | .064 | .055 | .048 | .020 | .018 | .016 | |
| 3.0 | .178 | .142 | .113 | .152 | .122 | .098 | .105 | .085 | .069 | .060 | .050 | .040 | .019 | .016 | .013 | |
| 4.0 | .168 | .127 | .096 | .144 | .110 | .084 | .099 | .077 | .059 | .057 | .045 | .035 | .018 | .015 | .011 | |
| 5.0 | .160 | .116 | .084 | .137 | .100 | .073 | .094 | .070 | .052 | .055 | .041 | .031 | .018 | .013 | .010 | |
| 6.0 | .152 | .107 | .075 | .131 | .093 | .065 | .090 | .065 | .046 | .052 | .038 | .027 | .017 | .012 | .009 | |
| 7.0 | .145 | .100 | .068 | .125 | .086 | .059 | .086 | .061 | .042 | .050 | .036 | .025 | .016 | .012 | .008 | |
| 8.0 | .139 | .094 | .062 | .120 | .081 | .054 | .083 | .057 | .039 | .048 | .034 | .023 | .016 | .011 | .008 | |
| 9.0 | .134 | .089 | .058 | .115 | .077 | .051 | .080 | .054 | .036 | .046 | .032 | .021 | .015 | .010 | .007 | |
| 10.0 | .129 | .084 | .055 | .111 | .073 | .048 | .077 | .051 | .034 | .045 | .030 | .020 | .015 | .010 | .007 | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2025-04-21

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:0.7680A P:18.43W PF:1.000 Freq:0Hz Lamp Flux:1527.44x1 lm | | | | | | | | | | | |
| NAME: SFW20-24V-3535-24-CC-3500K-80-25 | | | | | 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 | 18.4 | 19.5 | 18.7 | 19.7 | 19.9 | 19.3 | 20.3 | 19.6 | 20.6 | 20.8 |
| | 3H | 19.4 | 20.4 | 19.7 | 20.6 | 20.9 | 20.4 | 21.4 | 20.7 | 21.6 | 21.9 |
| | 4H | 19.7 | 20.6 | 20.0 | 20.9 | 21.2 | 20.8 | 21.8 | 21.2 | 22.1 | 22.4 |
| | 6H | 19.9 | 20.8 | 20.2 | 21.1 | 21.4 | 21.2 | 22.0 | 21.5 | 22.3 | 22.7 |
| | 8H | 19.9 | 20.8 | 20.3 | 21.1 | 21.5 | 21.3 | 22.1 | 21.7 | 22.4 | 22.8 |
| | 12H | 20.0 | 20.8 | 20.4 | 21.1 | 21.5 | 21.4 | 22.2 | 21.8 | 22.5 | 22.9 |
| 4H | 2H | 19.0 | 19.9 | 19.3 | 20.2 | 20.5 | 19.7 | 20.6 | 20.0 | 20.9 | 21.2 |
| | 3H | 20.1 | 20.9 | 20.5 | 21.2 | 21.6 | 21.0 | 21.8 | 21.3 | 22.1 | 22.5 |
| | 4H | 20.5 | 21.2 | 20.9 | 21.6 | 22.0 | 21.5 | 22.3 | 21.9 | 22.6 | 23.0 |
| | 6H | 20.8 | 21.4 | 21.2 | 21.8 | 22.2 | 22.0 | 22.6 | 22.4 | 23.0 | 23.4 |
| | 8H | 20.9 | 21.5 | 21.3 | 21.9 | 22.3 | 22.1 | 22.7 | 22.6 | 23.1 | 23.6 |
| | 12H | 20.9 | 21.5 | 21.4 | 21.9 | 22.4 | 22.3 | 22.8 | 22.7 | 23.2 | 23.7 |
| 8H | 4H | 20.7 | 21.3 | 21.1 | 21.7 | 22.1 | 21.6 | 22.2 | 22.1 | 22.6 | 23.1 |
| | 6H | 21.1 | 21.6 | 21.5 | 22.0 | 22.5 | 22.2 | 22.7 | 22.7 | 23.1 | 23.6 |
| | 8H | 21.2 | 21.7 | 21.7 | 22.2 | 22.7 | 22.4 | 22.8 | 22.9 | 23.3 | 23.8 |
| | 12H | 21.3 | 21.7 | 21.9 | 22.2 | 22.8 | 22.6 | 23.0 | 23.1 | 23.5 | 24.1 |
| 12H | 4H | 20.7 | 21.2 | 21.1 | 21.6 | 22.1 | 21.6 | 22.2 | 22.1 | 22.6 | 23.1 |
| | 6H | 21.1 | 21.5 | 21.6 | 22.0 | 22.5 | 22.2 | 22.6 | 22.7 | 23.1 | 23.6 |
| | 8H | 21.3 | 21.7 | 21.8 | 22.2 | 22.7 | 22.4 | 22.8 | 23.0 | 23.3 | 23.9 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | | |
| S = 1.0H | | + 0.3 / - 0.4 | | | | | + 0.3 / - 0.4 | | | | |
| 1.5H | | + 0.1 / - 0.4 | | | | | + 0.2 / - 0.2 | | | | |
| 2.0H | | + 0.3 / - 0.5 | | | | | + 0.4 / - 0.4 | | | | |

CIE Pub.117, 1527 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 1.5$)
Area: 0.018 m²

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2025-04-21

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:0.7680A P:18.43W PF:1.000 Freq:0Hz Lamp Flux:1527.44x1 lm | | |
| NAME: SFW20-24V-3535-24-CC-3500K-80-25 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: Length=1m | SERIAL No.: |
| MFR.: OLympia lighting | SUR.: | Shielding Angle: |

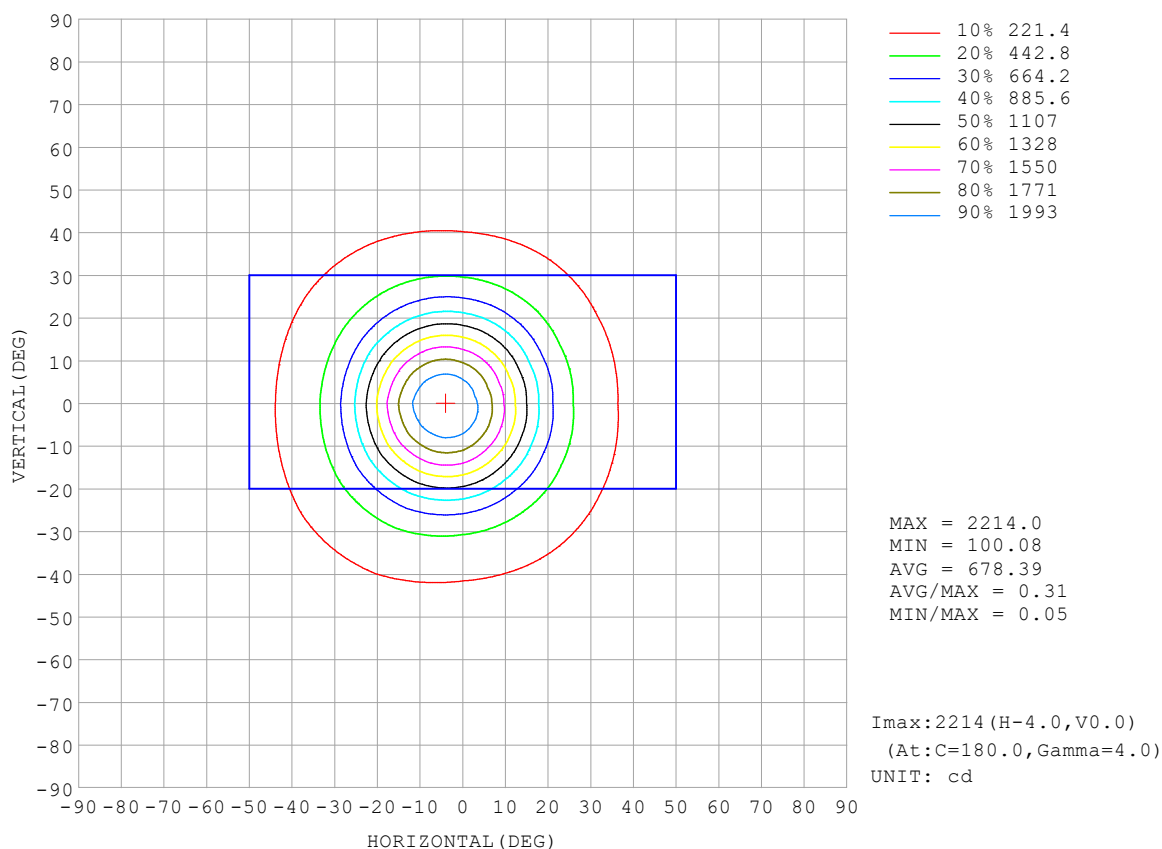
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|------------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 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) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 74 | 66 | 61 | 73 | 65 | 61 | 72 | 65 | 60 | 55 |
| 0.80 | 83 | 75 | 69 | 82 | 74 | 69 | 80 | 73 | 69 | 63 |
| 1.00 | 89 | 81 | 76 | 88 | 80 | 75 | 85 | 80 | 75 | 69 |
| 1.25 | 94 | 87 | 82 | 93 | 86 | 81 | 90 | 84 | 80 | 74 |
| 1.50 | 98 | 91 | 86 | 96 | 90 | 85 | 93 | 88 | 84 | 78 |
| 2.00 | 102 | 96 | 92 | 100 | 95 | 91 | 97 | 92 | 89 | 82 |
| 2.50 | 105 | 99 | 95 | 103 | 98 | 94 | 99 | 95 | 92 | 84 |
| 3.00 | 107 | 102 | 98 | 105 | 100 | 97 | 101 | 97 | 94 | 86 |
| 4.00 | 110 | 106 | 103 | 107 | 104 | 101 | 103 | 100 | 98 | 89 |
| 5.00 | 112 | 108 | 105 | 109 | 106 | 103 | 104 | 102 | 100 | 91 |
| 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: 2025-04-21

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:0.7680A P:18.43W PF:1.000 Freq:0Hz Lamp Flux:1527.44x1 lm | | |
| NAME: SFW20-24V-3535-24-CC-3500K-80-25 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: Length=1m | SERIAL No.: |
| MFR.: OLympia lighting | SUR.: | Shielding Angle: |

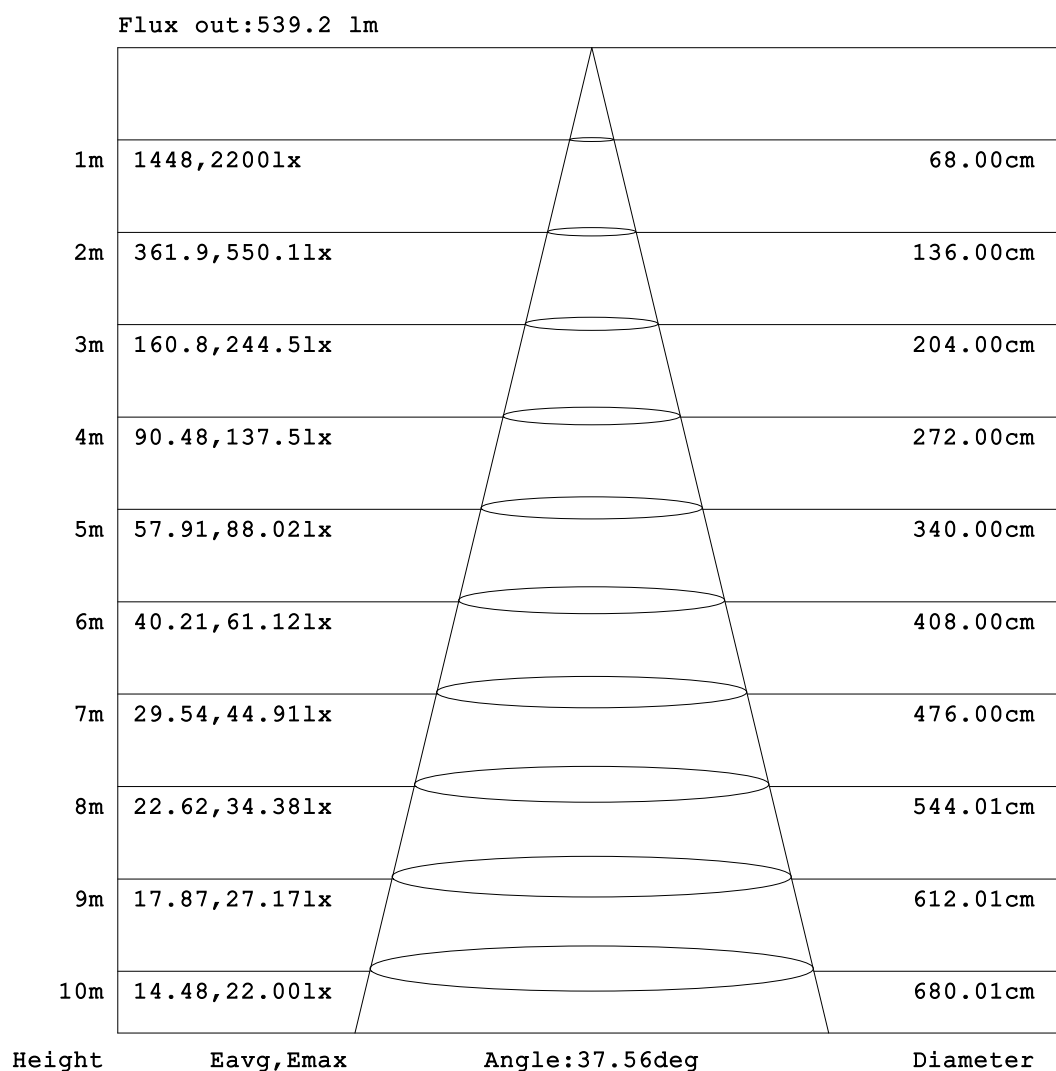


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 2025-04-21

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:0.7680A P:18.43W PF:1.000 Freq:0Hz Lamp Flux:1527.44x1 lm | | |
| NAME: SFW20-24V-3535-24-CC-3500K-80-25 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: Length=1m | SERIAL No.: |
| MFR.: OLympia lighting | SUR.: | Shielding Angle: |



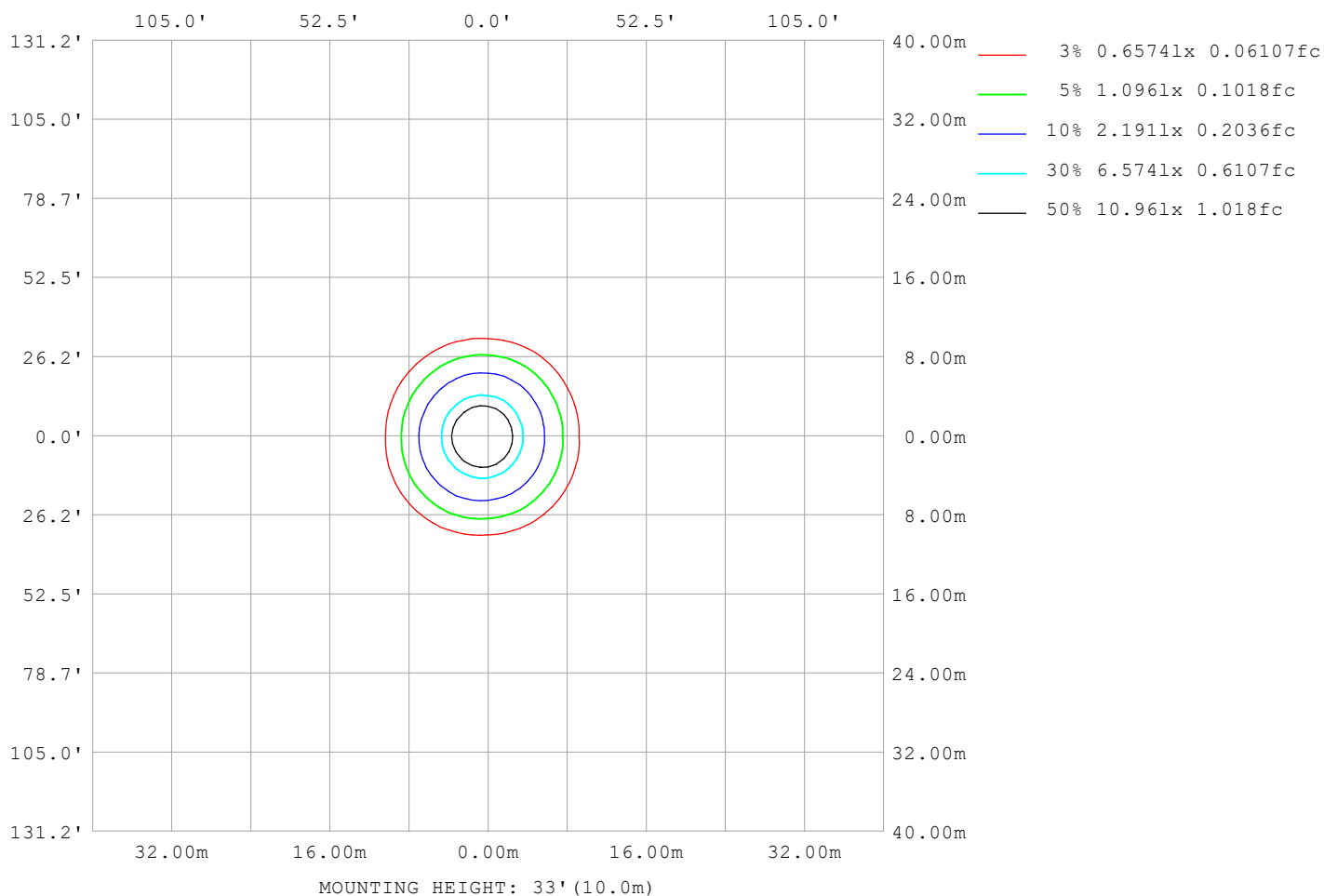
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 2025-04-21

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:0.7680A P:18.43W PF:1.000 Freq:0Hz Lamp Flux:1527.44x1 lm | | |
| NAME: SFW20-24V-3535-24-CC-3500K-80-25 | 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: 2025-04-21

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:0.7680A P:18.43W PF:1.000 Freq:0Hz Lamp Flux:1527.44x1 lm | | |
| NAME: SFW20-24V-3535-24-CC-3500K-80-25 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: Length=1m | SERIAL No.: |
| MFR.: OLympia lighting | SUR.: | Shielding Angle: |

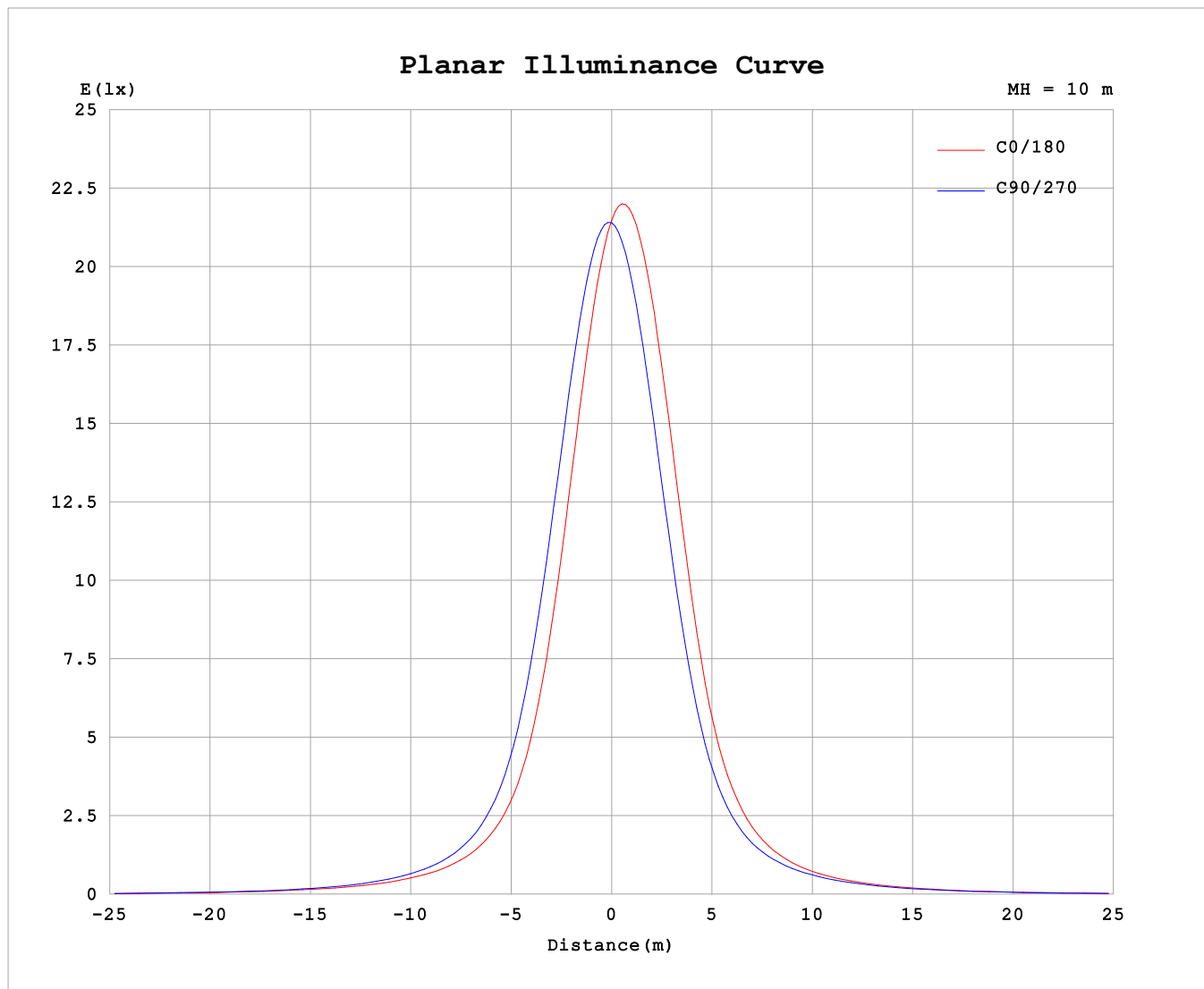
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 9010 |
| L_0~180 (75) av | 6744 |
| L_0~180 (85) av | 4682 |
| L_90~270 (65) av | 9475 |
| L_90~270 (75) av | 8035 |
| L_90~270 (85) av | 7713 |
| L_45 (65) av | 10019 |
| L_45 (75) av | 7788 |
| L_45 (85) av | 5976 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2025-04-21

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: 2025-04-21

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:0.7680A P:18.43W PF:1.000 Freq:0Hz Lamp Flux:1527.44x1 lm | | | | | | | | | | | |
| NAME: SFW20-24V-3535-24-CC-3500K-80-25 | | | | | | TYPE: | | | WEIGHT: | | |
| SPEC.: | | | | | | DIM.: Length=1m | | | SERIAL No.: | | |
| MFR.: OLympia lighting | | | | | | SUR.: | | | Shielding Angle: | | |

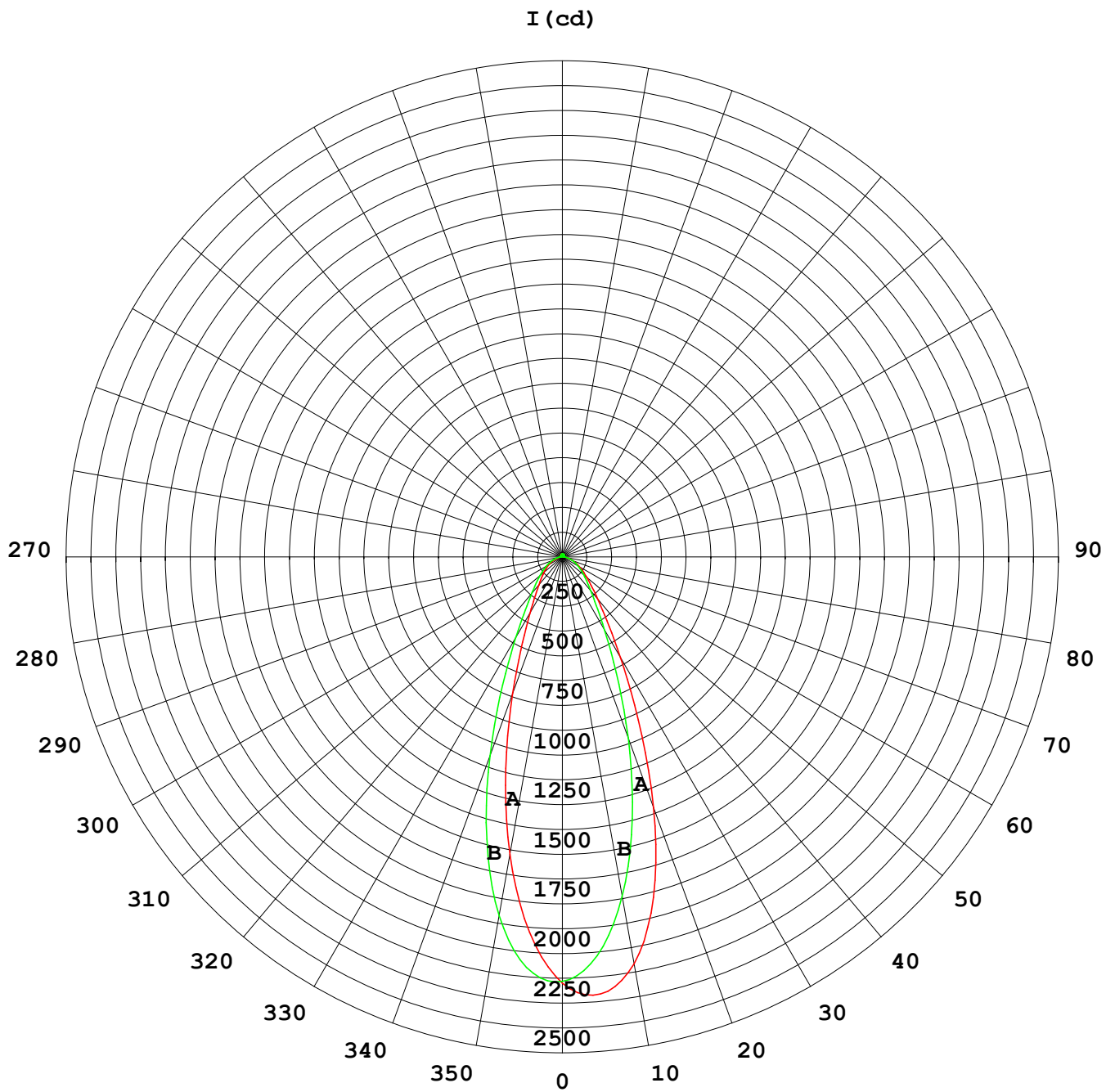
Table--1

UNIT: cd

| C (DEG) γ (DEG) | 0 | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 | | | | | | | |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|
| 0 | 2140 | 2140 | 2140 | 2140 | 2140 | 2140 | 2140 | 2140 | 2140 | 2140 | 2140 | 2140 | | | | | | | |
| 5 | 1893 | 1935 | 1998 | 2077 | 2145 | 2193 | 2203 | 2160 | 2097 | 2018 | 1953 | 1905 | | | | | | | |
| 10 | 1517 | 1583 | 1696 | 1837 | 1960 | 2051 | 2074 | 1998 | 1876 | 1738 | 1627 | 1543 | | | | | | | |
| 15 | 1099 | 1170 | 1303 | 1473 | 1627 | 1745 | 1769 | 1672 | 1526 | 1365 | 1238 | 1137 | | | | | | | |
| 20 | 731 | 791 | 910 | 1068 | 1216 | 1326 | 1339 | 1249 | 1114 | 972 | 862 | 767 | | | | | | | |
| 25 | 474 | 519 | 600 | 712 | 834 | 908 | 904 | 857 | 746 | 645 | 567 | 499 | | | | | | | |
| 30 | 325 | 355 | 406 | 470 | 553 | 598 | 585 | 544 | 488 | 427 | 380 | 339 | | | | | | | |
| 35 | 238 | 258 | 291 | 326 | 379 | 405 | 391 | 368 | 335 | 299 | 273 | 248 | | | | | | | |
| 40 | 184 | 200 | 222 | 241 | 276 | 289 | 277 | 267 | 247 | 223 | 210 | 193 | | | | | | | |
| 45 | 147 | 161 | 176 | 187 | 211 | 219 | 207 | 204 | 192 | 176 | 169 | 157 | | | | | | | |
| 50 | 120 | 132 | 144 | 148 | 167 | 172 | 161 | 162 | 155 | 141 | 139 | 130 | | | | | | | |
| 55 | 97.9 | 108 | 117 | 118 | 133 | 137 | 127 | 130 | 125 | 114 | 115 | 108 | | | | | | | |
| 60 | 78.7 | 86.8 | 93.8 | 93.4 | 105 | 108 | 99.9 | 104 | 101 | 91.3 | 93.2 | 87.3 | | | | | | | |
| 65 | 60.3 | 66.7 | 72.8 | 72.8 | 82.1 | 83.9 | 76.8 | 80.5 | 78.9 | 71.4 | 72.6 | 66.9 | | | | | | | |
| 70 | 40.7 | 46.3 | 53.3 | 54.5 | 61.0 | 61.9 | 55.9 | 59.5 | 58.7 | 53.4 | 52.1 | 45.1 | | | | | | | |
| 75 | 26.2 | 28.1 | 35.2 | 37.9 | 41.7 | 41.6 | 36.7 | 39.3 | 39.7 | 37.0 | 34.0 | 28.9 | | | | | | | |
| 80 | 15.9 | 16.9 | 20.1 | 23.3 | 24.6 | 21.7 | 19.4 | 20.9 | 23.5 | 23.1 | 20.8 | 17.4 | | | | | | | |
| 85 | 7.05 | 7.63 | 9.87 | 11.8 | 11.0 | 8.52 | 7.64 | 8.34 | 11.3 | 12.4 | 10.7 | 7.91 | | | | | | | |
| 90 | 4.47 | 4.53 | 4.71 | 4.85 | 4.76 | 4.55 | 3.97 | 4.08 | 4.29 | 4.74 | 4.41 | 4.21 | | | | | | | |
| 95 | 4.69 | 4.73 | 4.84 | 4.99 | 4.76 | 4.57 | 4.01 | 4.09 | 4.39 | 4.64 | 4.59 | 4.42 | | | | | | | |
| 100 | 5.08 | 5.11 | 5.22 | 5.31 | 5.04 | 4.79 | 4.24 | 4.37 | 4.73 | 5.05 | 5.02 | 4.83 | | | | | | | |
| 105 | 5.68 | 5.66 | 5.74 | 5.77 | 5.45 | 5.13 | 4.58 | 4.75 | 5.19 | 5.55 | 5.58 | 5.43 | | | | | | | |
| 110 | 6.52 | 6.46 | 6.49 | 6.41 | 6.03 | 5.63 | 5.07 | 5.30 | 5.80 | 6.22 | 6.32 | 6.20 | | | | | | | |
| 115 | 7.61 | 7.49 | 7.45 | 7.25 | 6.81 | 6.36 | 5.75 | 6.03 | 6.59 | 7.04 | 7.20 | 7.15 | | | | | | | |
| 120 | 8.91 | 8.74 | 8.57 | 8.27 | 7.80 | 7.31 | 6.63 | 6.93 | 7.50 | 7.97 | 8.18 | 8.20 | | | | | | | |
| 125 | 10.3 | 10.1 | 9.80 | 9.43 | 8.94 | 8.48 | 7.66 | 7.96 | 8.49 | 8.94 | 9.18 | 9.28 | | | | | | | |
| 130 | 11.7 | 11.5 | 11.1 | 10.6 | 10.2 | 9.80 | 8.77 | 9.05 | 9.52 | 9.89 | 10.1 | 10.3 | | | | | | | |
| 135 | 13.0 | 12.8 | 12.2 | 11.8 | 11.4 | 11.2 | 9.86 | 10.1 | 10.5 | 10.8 | 11.0 | 11.2 | | | | | | | |
| 140 | 14.0 | 13.8 | 13.2 | 12.8 | 12.6 | 12.5 | 10.9 | 11.1 | 11.4 | 11.5 | 11.7 | 11.9 | | | | | | | |
| 145 | 14.7 | 14.5 | 14.0 | 13.7 | 13.6 | 13.7 | 11.7 | 11.9 | 12.1 | 12.2 | 12.3 | 12.4 | | | | | | | |
| 150 | 15.1 | 15.0 | 14.4 | 14.4 | 14.4 | 14.6 | 12.4 | 12.6 | 12.7 | 12.6 | 12.6 | 12.8 | | | | | | | |
| 155 | 15.2 | 15.0 | 14.6 | 14.8 | 15.0 | 15.3 | 12.9 | 13.1 | 13.2 | 13.0 | 12.8 | 13.0 | | | | | | | |
| 160 | 14.9 | 14.8 | 14.7 | 15.0 | 15.3 | 15.6 | 13.3 | 13.5 | 13.5 | 13.3 | 12.9 | 13.0 | | | | | | | |
| 165 | 14.5 | 14.4 | 14.6 | 15.1 | 15.4 | 15.6 | 13.5 | 13.7 | 13.9 | 13.6 | 13.2 | 13.1 | | | | | | | |
| 170 | 14.1 | 14.2 | 14.6 | 15.2 | 15.3 | 15.4 | 13.7 | 13.9 | 14.2 | 14.1 | 13.6 | 13.3 | | | | | | | |
| 175 | 13.9 | 14.2 | 14.7 | 15.2 | 15.2 | 15.0 | 13.8 | 14.0 | 14.5 | 14.6 | 14.3 | 13.9 | | | | | | | |
| 180 | 14.0 | 14.3 | 14.8 | 15.1 | 14.9 | 14.7 | 14.0 | 14.2 | 14.8 | 15.1 | 14.9 | 14.6 | | | | | | | |

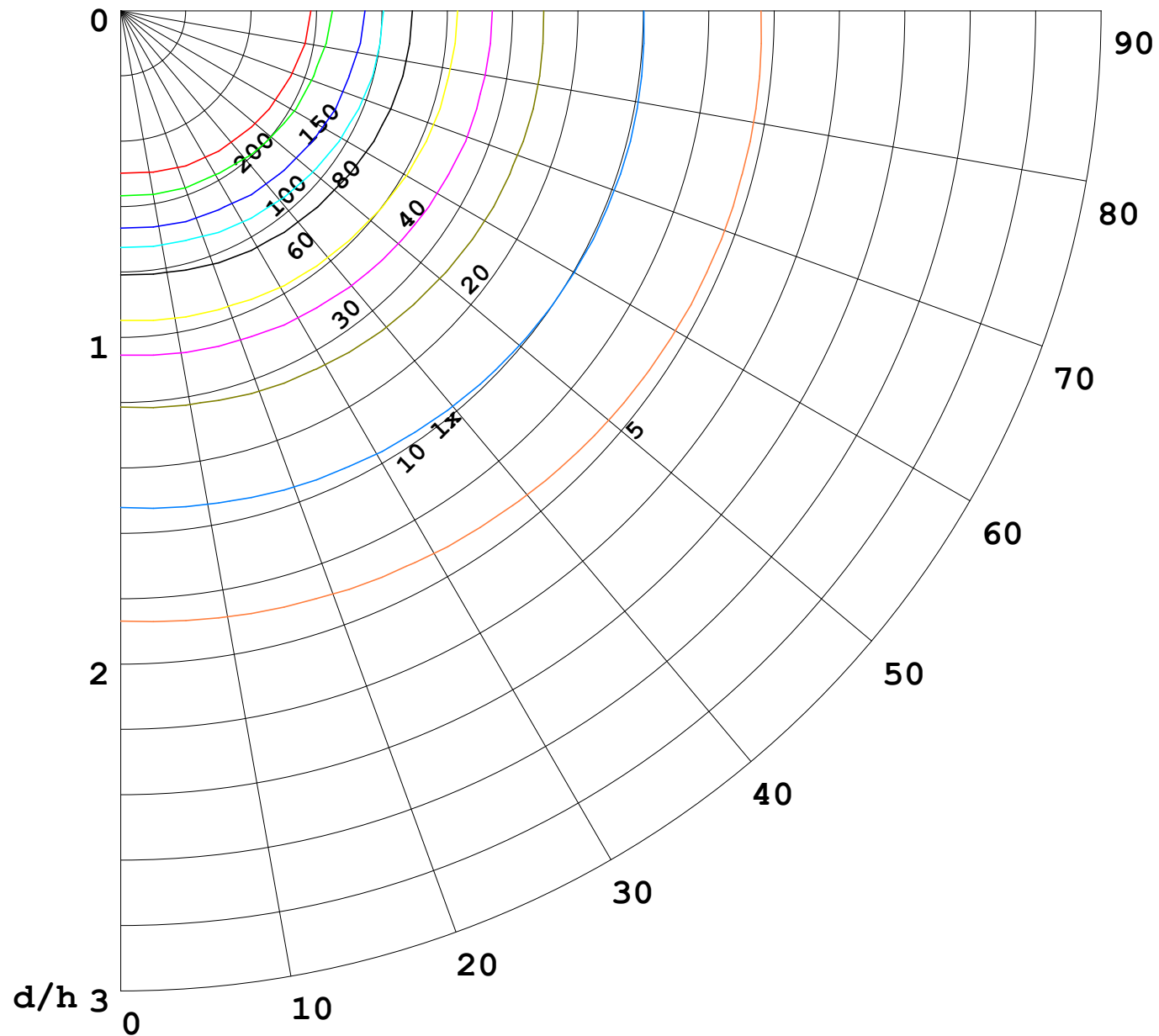
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2025-04-21

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 |

