

Uncorrected UGR Table

| | | | | | | | | | | | |
|--|---------------|------------------|------|------|------|---------------|----------------|---------------------|------|------|------|
| Test:U:24.00V I:0.1905A P:4.572W PF:1.000 Lamp Flux:125.583x1 lm | | | | | | | | | | | |
| NAME: SF15-24V-5050-56-SPI4-RGBW- (5000K) -G | | | | | | TYPE:PVC | | WEIGHT: | | | |
| DIM.: 21mm*11.5mm | | | | | | SPEC.: | | SERIAL No.:20220512 | | | |
| MFR.: OLYMPIA | | | | | | SUR.:1*0.0165 | | PROTECTION 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 | 15.5 | 17.0 | 15.8 | 17.3 | 17.5 | 15.7 | 17.2 | 16.0 | 17.4 | 17.7 | |
| | 3H | 17.0 | 18.4 | 17.3 | 18.7 | 19.0 | 17.3 | 18.6 | 17.6 | 18.9 | 19.2 |
| | 4H | 17.6 | 18.9 | 17.9 | 19.2 | 19.5 | 17.9 | 19.2 | 18.2 | 19.5 | 19.8 |
| | 6H | 18.0 | 19.2 | 18.3 | 19.5 | 19.8 | 18.4 | 19.6 | 18.7 | 19.9 | 20.2 |
| | 8H | 18.1 | 19.2 | 18.5 | 19.6 | 19.9 | 18.5 | 19.7 | 18.9 | 20.0 | 20.4 |
| | 12H | 18.1 | 19.3 | 18.5 | 19.6 | 20.0 | 18.6 | 19.7 | 19.0 | 20.1 | 20.5 |
| 4H | 2H | 16.1 | 17.4 | 16.5 | 17.7 | 18.1 | 16.3 | 17.6 | 16.6 | 17.9 | 18.2 |
| | 3H | 17.8 | 18.9 | 18.2 | 19.3 | 19.6 | 18.0 | 19.1 | 18.4 | 19.5 | 19.9 |
| | 4H | 18.5 | 19.5 | 18.9 | 19.9 | 20.3 | 18.8 | 19.8 | 19.2 | 20.2 | 20.6 |
| | 6H | 19.0 | 19.9 | 19.4 | 20.3 | 20.8 | 19.3 | 20.3 | 19.8 | 20.7 | 21.1 |
| | 8H | 19.2 | 20.0 | 19.6 | 20.4 | 20.9 | 19.5 | 20.4 | 20.0 | 20.8 | 21.3 |
| | 12H | 19.3 | 20.1 | 19.8 | 20.5 | 21.0 | 19.7 | 20.5 | 20.2 | 20.9 | 21.4 |
| 8H | 4H | 18.7 | 19.6 | 19.2 | 20.0 | 20.5 | 19.0 | 19.8 | 19.4 | 20.3 | 20.7 |
| | 6H | 19.4 | 20.1 | 19.9 | 20.6 | 21.1 | 19.7 | 20.4 | 20.2 | 20.9 | 21.4 |
| | 8H | 19.7 | 20.3 | 20.2 | 20.8 | 21.3 | 20.0 | 20.6 | 20.5 | 21.1 | 21.6 |
| | 12H | 19.8 | 20.4 | 20.4 | 20.9 | 21.4 | 20.2 | 20.8 | 20.7 | 21.3 | 21.8 |
| 12H | 4H | 18.8 | 19.5 | 19.2 | 20.0 | 20.5 | 19.0 | 19.8 | 19.5 | 20.2 | 20.7 |
| | 6H | 19.5 | 20.1 | 20.0 | 20.6 | 21.1 | 19.8 | 20.4 | 20.3 | 20.9 | 21.4 |
| | 8H | 19.7 | 20.3 | 20.3 | 20.8 | 21.3 | 20.1 | 20.6 | 20.6 | 21.1 | 21.7 |
| Variations with the observer position at spacings: | | | | | | | | | | | |
| 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 | | | | | + 0.2 / - 0.2 | | | | | |

CIE Pub.117 Corrected 125.6 lm Total Lamp Luminous Flux. (8log(F/F0) = -7.2)

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HXJ
Test Date:2022-05-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|--|---------------|---------------------|
| Test:U:24.00V I:0.1905A P:4.572W PF:1.000 Lamp Flux:125.583x1 lm | | |
| NAME: SF15-24V-5050-56-SPI4-RGBW- (5000K) -G | TYPE:PVC | WEIGHT: |
| DIM.: 21mm*11.5mm | SPEC.: | SERIAL No.:20220512 |
| MFR.: OLYMPIA | SUR.:1*0.0165 | PROTECTION ANGLE: |

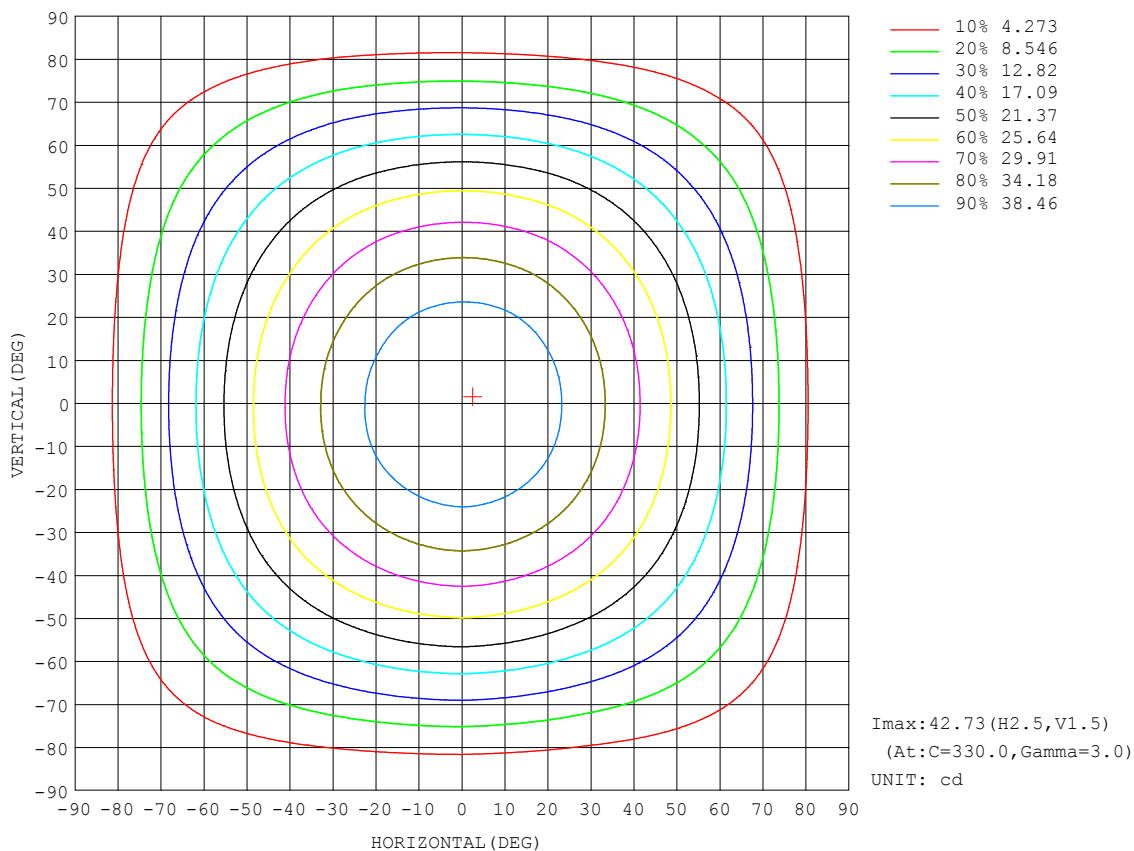
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 56 | 45 | 38 | 54 | 44 | 38 | 31 |
| 0.80 | 66 | 55 | 47 | 65 | 54 | 47 | 63 | 53 | 47 | 40 |
| 1.00 | 75 | 64 | 56 | 73 | 63 | 56 | 71 | 64 | 55 | 48 |
| 1.25 | 82 | 71 | 64 | 80 | 70 | 63 | 77 | 69 | 62 | 55 |
| 1.50 | 87 | 77 | 70 | 85 | 76 | 69 | 82 | 74 | 68 | 60 |
| 2.00 | 94 | 85 | 78 | 92 | 84 | 78 | 88 | 81 | 76 | 67 |
| 2.50 | 98 | 90 | 84 | 95 | 88 | 83 | 91 | 85 | 80 | 71 |
| 3.00 | 101 | 94 | 88 | 99 | 92 | 87 | 94 | 89 | 85 | 75 |
| 4.00 | 105 | 99 | 95 | 103 | 97 | 93 | 98 | 93 | 90 | 80 |
| 5.00 | 108 | 103 | 98 | 105 | 100 | 97 | 100 | 96 | 93 | 83 |
| 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:25.3DEG
Operators:HXJ
Test Date:2022-05-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|--|---------------|---------------------|
| Test:U:24.00V I:0.1905A P:4.572W PF:1.000 Lamp Flux:125.583x1 lm | | |
| NAME: SF15-24V-5050-56-SPI4-RGBW- (5000K) -G | TYPE:PVC | WEIGHT: |
| DIM.: 21mm*11.5mm | SPEC.: | SERIAL No.:20220512 |
| MFR.: OLYMPIA | SUR.:1*0.0165 | PROTECTION ANGLE: |

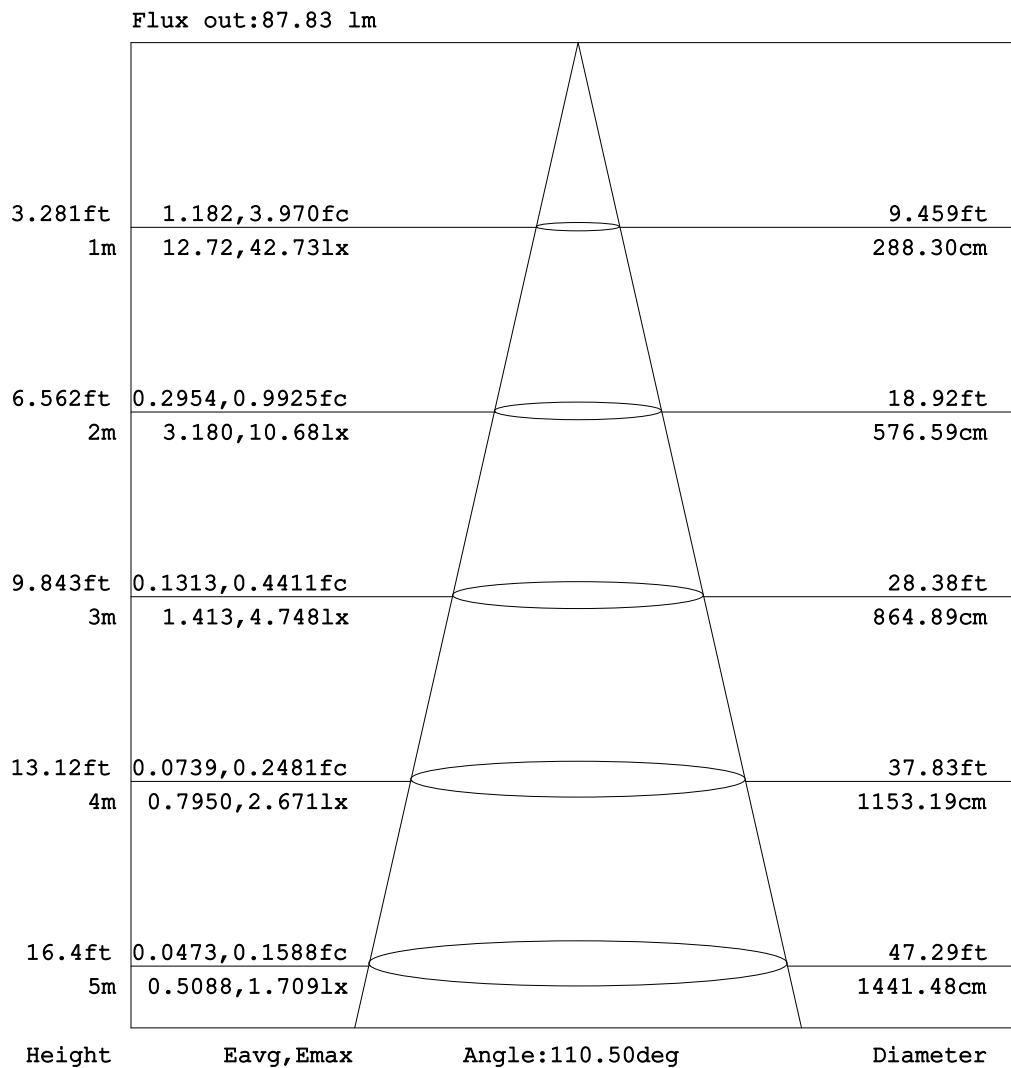


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: HXJ
Test Date: 2022-05-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 9.200m [K=1.0000]
Remarks:

AAI Figure

| | | |
|--|---------------|---------------------|
| Test:U:24.00V I:0.1905A P:4.572W PF:1.000 Lamp Flux:125.583x1 lm | | |
| NAME: SF15-24V-5050-56-SPI4-RGBW- (5000K) -G | TYPE:PVC | WEIGHT: |
| DIM.: 21mm*11.5mm | SPEC.: | SERIAL No.:20220512 |
| MFR.: OLYMPIA | SUR.:1*0.0165 | PROTECTION ANGLE: |

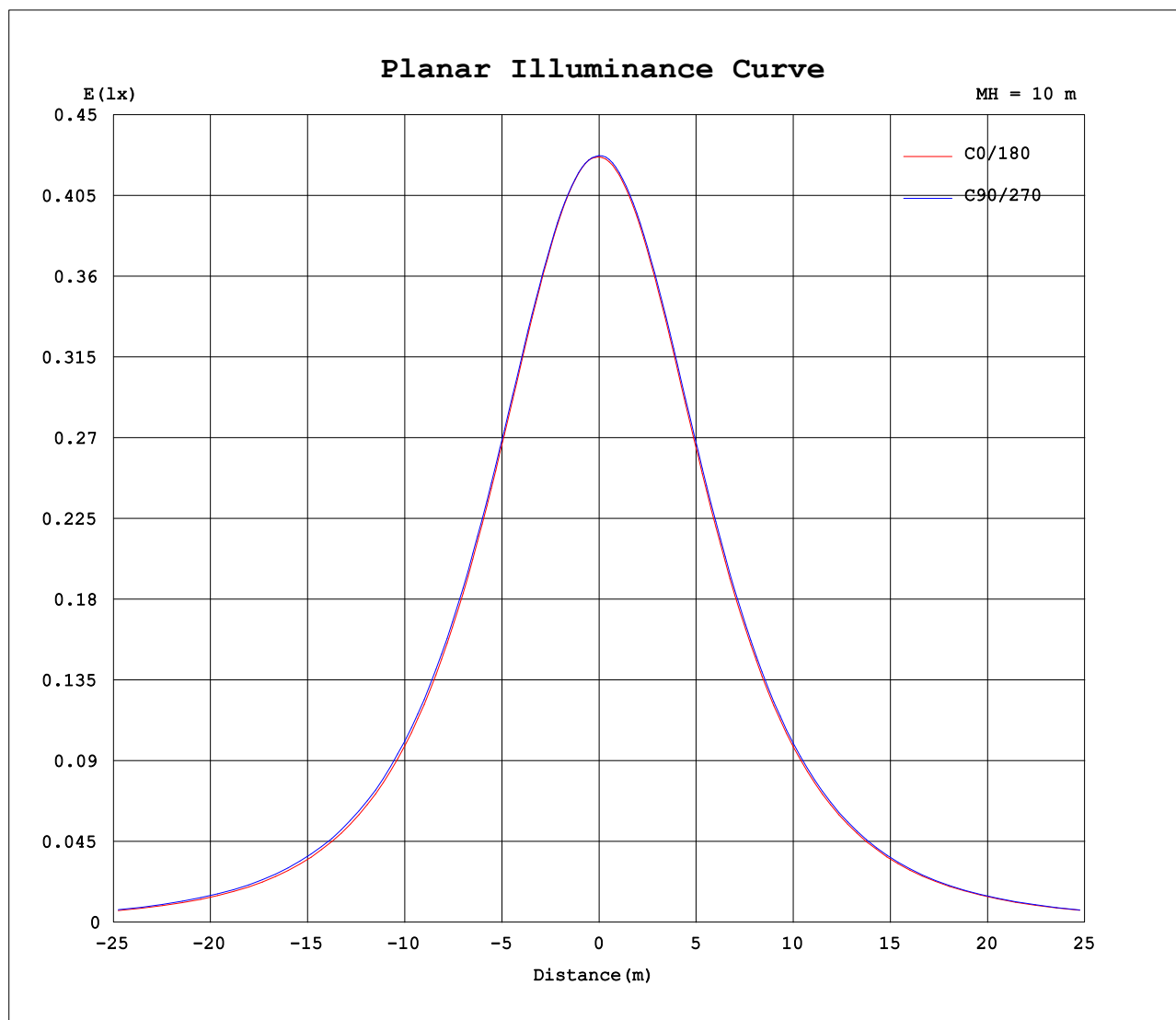


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:HXJ
Test Date:2022-05-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

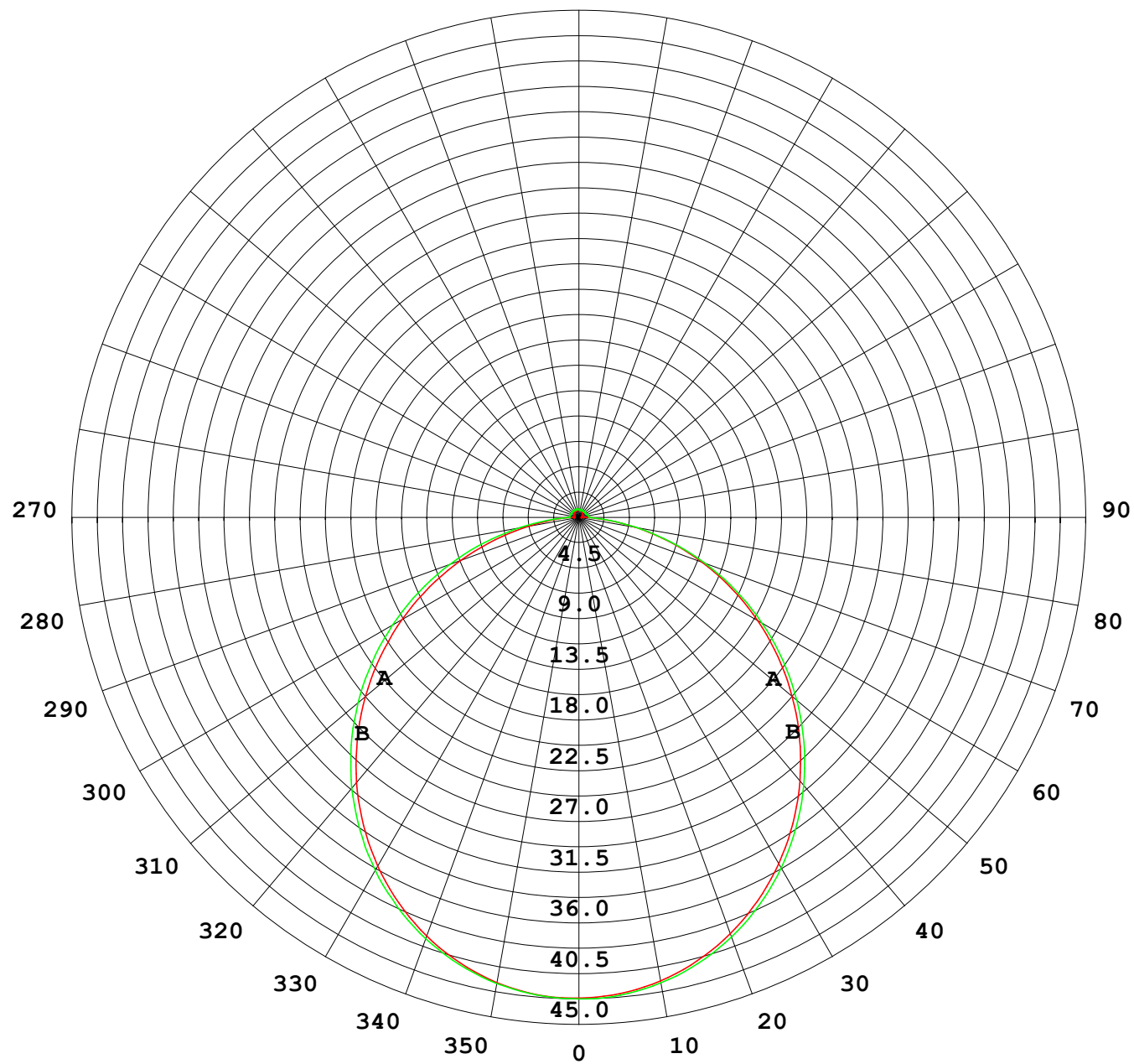
Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: HXJ
Test Date: 2022-05-12

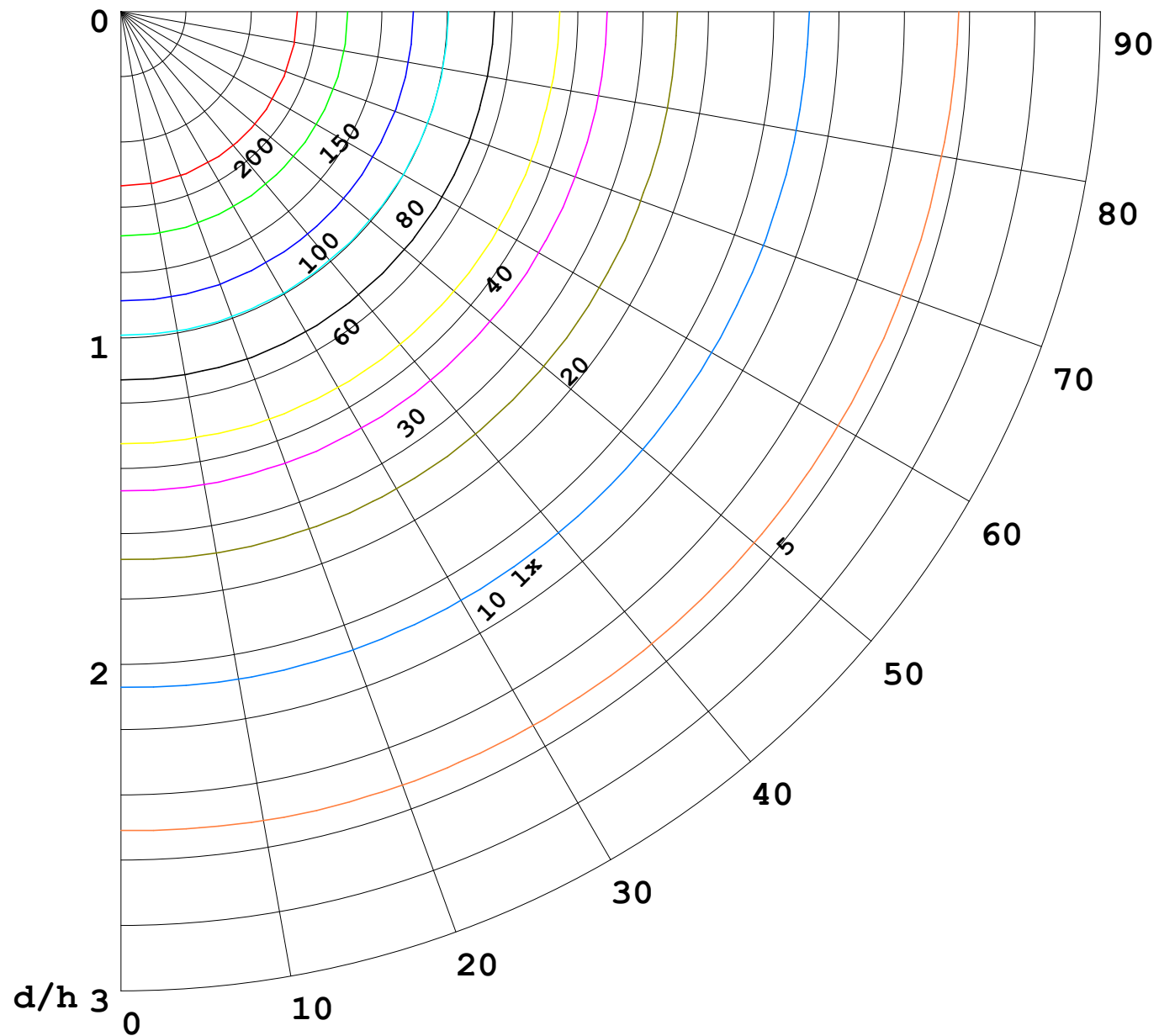
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 9.200m [K=1.0000]
Remarks:

I (cd)



1000 lm

$\kappa = 1$



F = 5000 lm
 K = 0.7
 Hcc = 0.0 m
 Hfc = 0.0 m
 Eave = 100 lx

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

