

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

|                                    |                        |
|------------------------------------|------------------------|
| Maximum Intensity                  | 531.3 cd per klm.      |
| (Luminaire orientation as tested.) | 0.0 degrees vertical   |
|                                    | 5.0 degrees horizontal |

|             |                |                 |
|-------------|----------------|-----------------|
| Beam Spread | At 10% of Imax | 115.4V x 114.8H |
|             | At 50% of Imax | 86.4V x 88.5H   |
|             | At 90% of Imax | 58.5V x 58.4H   |

|           |                |                        |
|-----------|----------------|------------------------|
| Beam Flux | Total          | 1000.1 lumens per klm. |
|           | To 10% of Imax | 942.7 lumens per klm.  |
|           | To 50% of Imax | 772.6 lumens per klm.  |
|           | To 90% of Imax | 408.4 lumens per klm.  |

|              |        |
|--------------|--------|
| Upward LOR   | 2.3 %  |
| Downward LOR | 97.7 % |

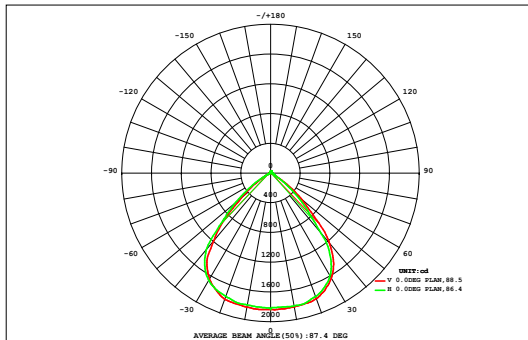
|                                           |         |
|-------------------------------------------|---------|
| Luminaire Efficiency (Light Output Ratio) | 100.0 % |
|-------------------------------------------|---------|

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Jason  
Test Date: 2025-01-03

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity: 65.0%  
Test Distance: 9.250m [K=1.0000]  
Remarks:

## LUMINAIRE PHOTOMETRIC TEST REPORT

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:223.23V I:0.1371A P:30.173W PF:0.9857 Freq:49.99Hz Lamp Flux:3463.83x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                   | SUR.: | Shielding Angle: |



| DATA OF LAMP      |         | Eff:114.80lm/W   |          |
|-------------------|---------|------------------|----------|
| MODEL             |         | Imax (cd)        | 1840     |
| NOMINAL POWER (W) | 30      | AVAILABILITY (%) | 94.3     |
| RATED VOLTAGE (V) | 220     | Avai. FLUX (lm)  | 3265     |
| NOMINAL FLUX (lm) | 3463.83 | LOR (%)          | 100.0    |
| LAMPS INSIDE      | 1       | TOTAL FLUX (lm)  | 3464     |
| TEST VOLTAGE (V)  | 220     | θ @50% (H,V)     | 88,86DEG |

| VERTICAL (DEG) | AREA FLUX DIAGRAM |      |      |      |      |      |      |      |                  |      |      |      |      |      |      |      | UNIT:lm |      | Φ t  | Φ a  |
|----------------|-------------------|------|------|------|------|------|------|------|------------------|------|------|------|------|------|------|------|---------|------|------|------|
|                | 0.02              | 0.06 | 0.09 | 0.13 | 0.16 | 0.19 | 0.21 | 0.23 | 0.24             | 0.25 | 0.25 | 0.24 | 0.23 | 0.20 | 0.16 | 0.12 | 0.07    | 0.03 | 2.89 | 0.00 |
| 90             | 0.02              | 0.06 | 0.11 | 0.17 | 0.25 | 0.33 | 0.42 | 0.50 | 0.56             | 0.58 | 0.55 | 0.48 | 0.40 | 0.32 | 0.23 | 0.15 | 0.09    | 0.03 | 5.24 | 0.00 |
| 80             | 0.02              | 0.07 | 0.14 | 0.26 | 0.44 | 0.73 | 1.11 | 1.56 | 1.96             | 2.00 | 1.67 | 1.24 | 0.87 | 0.56 | 0.35 | 0.20 | 0.10    | 0.03 | 13.3 | 0.00 |
| 70             | 0.02              | 0.08 | 0.19 | 0.42 | 0.92 | 2.33 | 5.22 | 8.42 | 10.6             | 10.5 | 8.40 | 5.34 | 2.62 | 1.14 | 0.55 | 0.27 | 0.12    | 0.03 | 57.2 | 43.1 |
| 60             | 0.02              | 0.09 | 0.25 | 0.70 | 2.80 | 8.58 | 16.0 | 23.1 | 27.9             | 27.9 | 23.0 | 15.7 | 8.36 | 3.09 | 0.93 | 0.36 | 0.13    | 0.03 | 159  | 152  |
| 50             | 0.02              | 0.10 | 0.33 | 1.41 | 7.22 | 17.4 | 30.9 | 41.1 | 45.8             | 45.8 | 41.1 | 30.7 | 17.2 | 6.96 | 1.75 | 0.47 | 0.15    | 0.03 | 289  | 284  |
| 40             | 0.02              | 0.11 | 0.41 | 2.86 | 12.0 | 27.6 | 41.4 | 48.9 | 52.1             | 52.1 | 49.0 | 41.6 | 27.3 | 11.6 | 3.04 | 0.60 | 0.17    | 0.03 | 371  | 367  |
| 30             | 0.02              | 0.12 | 0.48 | 4.36 | 16.1 | 33.9 | 45.7 | 51.9 | 54.3             | 54.3 | 52.0 | 45.9 | 33.8 | 15.9 | 4.29 | 0.73 | 0.18    | 0.04 | 414  | 411  |
|                | 0.02              | 0.12 | 0.53 | 5.21 | 18.5 | 36.3 | 47.4 | 53.1 | 55.1             | 55.1 | 53.2 | 47.6 | 36.4 | 18.2 | 4.98 | 0.81 | 0.19    | 0.04 | 433  | 430  |
|                | 0.02              | 0.12 | 0.52 | 5.12 | 18.2 | 36.0 | 47.3 | 53.2 | 55.2             | 55.3 | 53.2 | 47.5 | 36.1 | 17.9 | 4.89 | 0.80 | 0.19    | 0.04 | 432  | 429  |
|                | 0.02              | 0.12 | 0.47 | 4.12 | 15.3 | 32.8 | 45.1 | 51.9 | 54.5             | 54.5 | 51.9 | 45.3 | 32.7 | 15.1 | 4.05 | 0.71 | 0.19    | 0.04 | 409  | 406  |
|                | 0.02              | 0.11 | 0.40 | 2.56 | 11.0 | 25.3 | 39.6 | 47.8 | 51.2             | 51.3 | 47.9 | 39.8 | 25.1 | 10.6 | 2.75 | 0.59 | 0.17    | 0.03 | 356  | 352  |
| -30            | 0.02              | 0.10 | 0.33 | 1.21 | 6.23 | 15.2 | 26.9 | 36.8 | 41.7             | 41.7 | 36.8 | 26.7 | 15.0 | 5.97 | 1.55 | 0.47 | 0.16    | 0.03 | 257  | 252  |
| -40            | 0.02              | 0.09 | 0.25 | 0.64 | 2.20 | 6.86 | 12.8 | 18.3 | 21.2             | 21.2 | 18.2 | 12.6 | 6.64 | 2.49 | 0.88 | 0.36 | 0.14    | 0.03 | 125  | 117  |
| -50            | 0.02              | 0.08 | 0.20 | 0.42 | 0.82 | 1.72 | 3.62 | 5.71 | 6.85             | 6.83 | 5.69 | 3.74 | 2.01 | 1.05 | 0.56 | 0.28 | 0.12    | 0.03 | 39.7 | 21.8 |
| -60            | 0.02              | 0.07 | 0.16 | 0.29 | 0.47 | 0.71 | 1.00 | 1.27 | 1.47             | 1.51 | 1.38 | 1.13 | 0.85 | 0.59 | 0.38 | 0.22 | 0.11    | 0.03 | 11.7 | 0.00 |
| -70            | 0.02              | 0.07 | 0.13 | 0.20 | 0.30 | 0.40 | 0.51 | 0.60 | 0.67             | 0.68 | 0.64 | 0.57 | 0.47 | 0.37 | 0.26 | 0.17 | 0.09    | 0.03 | 6.17 | 0.00 |
| -80            | 0.02              | 0.06 | 0.11 | 0.16 | 0.20 | 0.25 | 0.30 | 0.33 | 0.36             | 0.36 | 0.35 | 0.32 | 0.29 | 0.24 | 0.19 | 0.13 | 0.08    | 0.03 | 3.78 | 0.00 |
| -90            | 0.02              | 0.06 | 0.11 | 0.16 | 0.20 | 0.25 | 0.30 | 0.33 | 0.36             | 0.36 | 0.35 | 0.32 | 0.29 | 0.24 | 0.19 | 0.13 | 0.08    | 0.03 | 3.78 | 0.00 |
|                | -90               | -80  | -70  | -60  | -50  | -40  | -30  | -20  | HORIZONTAL (DEG) | 20   | 30   | 40   | 50   | 60   | 70   | 80   | 90      |      |      |      |
| Φ t            | 0.40              | 1.65 | 5.10 | 30.3 | 113  | 247  | 365  | 445  | 482              | 482  | 445  | 366  | 246  | 112  | 31.8 | 7.44 | 2.46    | 0.56 | 3384 | ---  |
| Φ a            | 0.00              | 0.00 | 0.00 | 19.5 | 105  | 239  | 358  | 438  | 474              | 475  | 438  | 359  | 238  | 103  | 18.9 | 0.00 | 0.00    | 0.00 | ---  | 3265 |

one-half-peak spread: U:27.6,D:32.1 , L:28.3,R:34.4

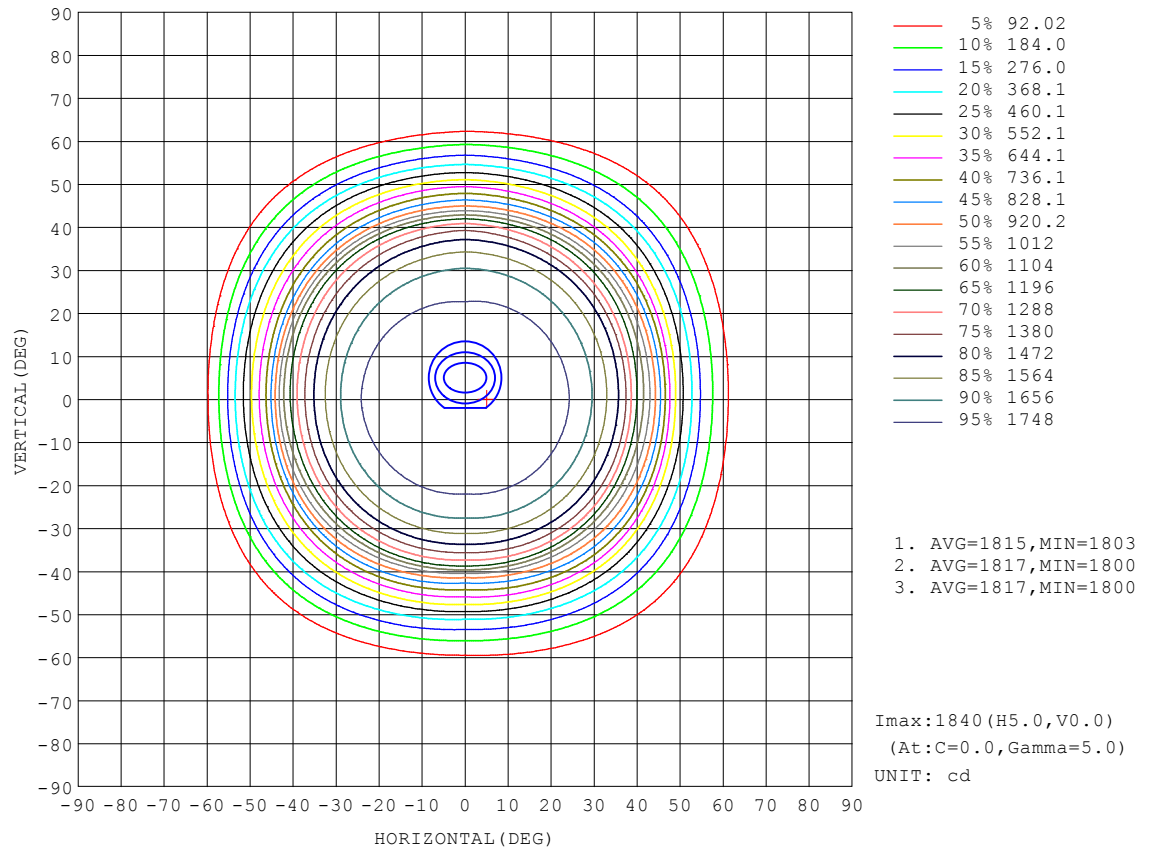
NEMA Beam Type: Type 6

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2025-01-03

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:9.250m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:223.23V I:0.1371A P:30.173W PF:0.9857 Freq:49.99Hz Lamp Flux:3463.83x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                   | SUR.: | Shielding Angle: |

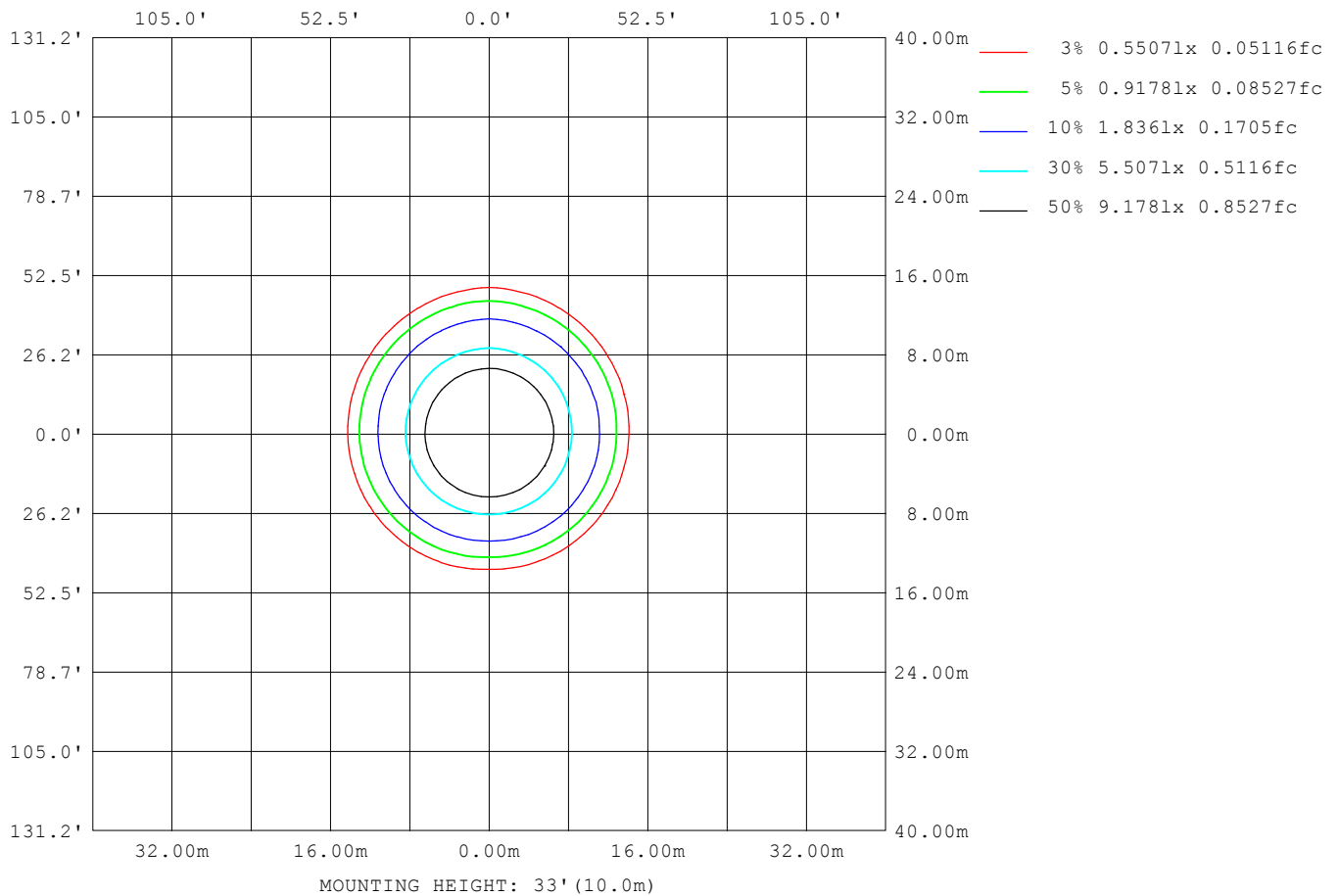


C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2025-01-03

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:9.250m [K=1.0000]  
Remarks:

### ISOLUX DIAGRAM

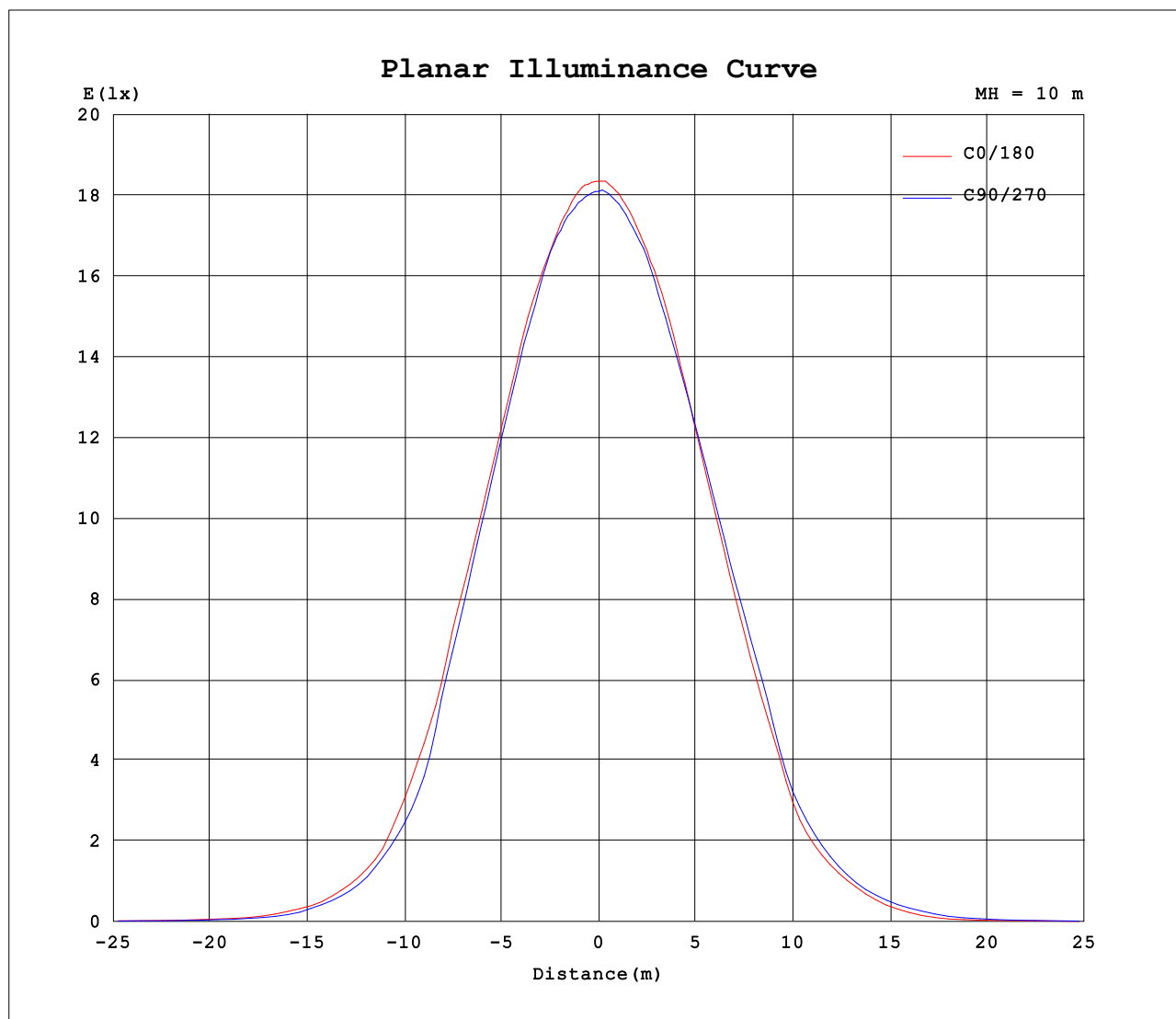
|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:223.23V I:0.1371A P:30.173W PF:0.9857 Freq:49.99Hz Lamp Flux:3463.83x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                   | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2025-01-03

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:9.250m [K=1.0000]  
Remarks:

## Planar Illuminance Curve

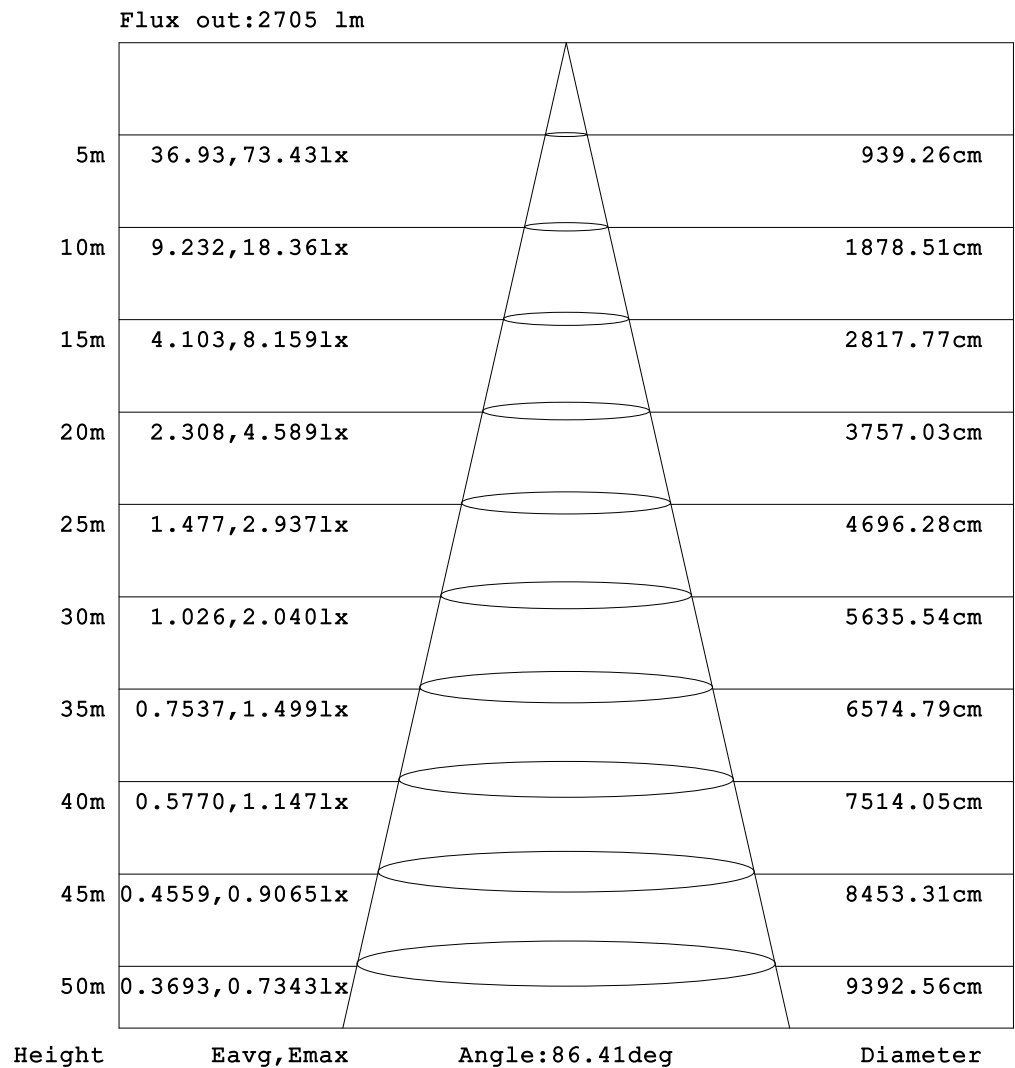


C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Jason  
Test Date: 2025-01-03

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity: 65.0%  
Test Distance: 9.250m [K=1.0000]  
Remarks:

AAI Figure

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:223.23V I:0.1371A P:30.173W PF:0.9857 Freq:49.99Hz Lamp Flux:3463.83x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                   | 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: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Jason  
 Test Date: 2025-01-03

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
 Humidity: 65.0%  
 Test Distance: 9.250m [K=1.0000]  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                  |  |  |  |  |                  |  |  |  |  |
|----------------------------------------------------------------------------------|--|--|--|--|------------------|--|--|--|--|
| Test:U:223.23V I:0.1371A P:30.173W PF:0.9857 Freq:49.99Hz Lamp Flux:3463.83x1 lm |  |  |  |  |                  |  |  |  |  |
| NAME:                                                                            |  |  |  |  | TYPE:            |  |  |  |  |
| SPEC.:                                                                           |  |  |  |  | DIM.:            |  |  |  |  |
| MFR.: EVERFINE                                                                   |  |  |  |  | SUR.:            |  |  |  |  |
|                                                                                  |  |  |  |  | Shielding Angle: |  |  |  |  |

Table--1

UNIT: cd

| H (DEG)<br>V (DEG) | -90  | -85  | -80  | -75  | -70  | -65  | -60  | -55   | -50  | -45  | -40  | -35   | -30  | -25  | -20  | -15  | -10  | -5   | 0    |
|--------------------|------|------|------|------|------|------|------|-------|------|------|------|-------|------|------|------|------|------|------|------|
| -180               | 7.25 | 6.44 | 7.22 | 8.13 | 9.13 | 10.2 | 11.4 | 12.7  | 14.2 | 15.9 | 17.5 | 18.9  | 20.4 | 22.0 | 23.6 | 25.1 | 26.3 | 27.1 | 27.3 |
| -170               | 7.25 | 6.46 | 7.21 | 8.10 | 9.06 | 10.1 | 11.2 | 12.5  | 13.9 | 15.5 | 17.0 | 18.4  | 19.8 | 21.2 | 22.7 | 24.0 | 25.0 | 25.5 | 25.6 |
| -160               | 7.25 | 6.45 | 7.16 | 7.99 | 8.88 | 9.84 | 10.9 | 12.0  | 13.2 | 14.6 | 16.0 | 17.3  | 18.5 | 19.6 | 20.7 | 21.7 | 22.4 | 22.9 | 22.9 |
| -150               | 7.25 | 6.42 | 7.07 | 7.80 | 8.58 | 9.43 | 10.3 | 11.3  | 12.3 | 13.4 | 14.5 | 15.6  | 16.6 | 17.5 | 18.2 | 18.9 | 19.3 | 19.6 | 19.7 |
| -140               | 7.25 | 6.39 | 6.94 | 7.56 | 8.21 | 8.92 | 9.65 | 10.4  | 11.2 | 12.0 | 12.8 | 13.6  | 14.4 | 15.1 | 15.6 | 16.0 | 16.3 | 16.5 | 16.5 |
| -130               | 7.25 | 6.36 | 6.80 | 7.30 | 7.81 | 8.34 | 8.90 | 9.47  | 10.0 | 10.6 | 11.2 | 11.7  | 12.2 | 12.7 | 13.1 | 13.4 | 13.6 | 13.7 | 13.7 |
| -120               | 7.25 | 6.47 | 6.65 | 7.03 | 7.41 | 7.79 | 8.16 | 8.53  | 8.93 | 9.31 | 9.66 | 10.00 | 10.3 | 10.6 | 10.8 | 11.0 | 11.2 | 11.2 | 11.3 |
| -110               | 7.25 | 6.72 | 6.53 | 6.79 | 7.05 | 7.31 | 7.55 | 7.77  | 7.98 | 8.18 | 8.36 | 8.53  | 8.70 | 8.86 | 8.98 | 9.09 | 9.18 | 9.23 | 9.25 |
| -100               | 7.25 | 7.07 | 6.85 | 6.75 | 6.82 | 6.98 | 7.15 | 7.31  | 7.44 | 7.57 | 7.69 | 7.80  | 7.89 | 7.97 | 8.05 | 8.12 | 8.19 | 8.25 | 8.31 |
| -90                | 7.25 | 7.36 | 7.48 | 7.60 | 7.72 | 7.83 | 7.95 | 8.07  | 8.19 | 8.30 | 8.42 | 8.54  | 8.66 | 8.77 | 8.89 | 9.01 | 9.12 | 9.24 | 9.36 |
| -80                | 7.25 | 7.56 | 7.87 | 8.18 | 8.55 | 8.98 | 9.46 | 10.00 | 10.6 | 11.1 | 11.7 | 12.3  | 12.9 | 13.4 | 14.0 | 14.5 | 14.9 | 15.3 | 15.6 |
| -70                | 7.25 | 7.74 | 8.24 | 8.91 | 9.75 | 10.7 | 11.9 | 13.5  | 15.3 | 17.1 | 18.9 | 20.8  | 22.6 | 24.3 | 26.0 | 27.6 | 29.0 | 30.1 | 30.9 |
| -60                | 7.25 | 7.89 | 8.66 | 9.77 | 11.3 | 13.6 | 16.2 | 19.3  | 22.9 | 27.5 | 33.8 | 39.4  | 45.3 | 51.6 | 59.8 | 70.0 | 78.2 | 82.9 | 84.4 |
| -50                | 7.25 | 8.02 | 9.12 | 10.8 | 13.6 | 17.1 | 21.7 | 29.1  | 38.1 | 48.6 | 76.2 | 129   | 201  | 271  | 328  | 371  | 403  | 418  | 418  |
| -40                | 7.25 | 8.15 | 9.53 | 12.1 | 15.9 | 21.2 | 31.1 | 42.6  | 75.5 | 171  | 303  | 428   | 560  | 684  | 813  | 917  | 992  | 1051 | 1063 |
| -30                | 7.25 | 8.25 | 9.90 | 13.2 | 18.1 | 26.9 | 40.1 | 80.3  | 218  | 397  | 580  | 796   | 1049 | 1276 | 1413 | 1508 | 1563 | 1591 | 1596 |
| -20                | 7.25 | 8.32 | 10.2 | 14.0 | 20.1 | 32.5 | 51.9 | 173   | 383  | 597  | 894  | 1210  | 1432 | 1574 | 1664 | 1720 | 1753 | 1769 | 1767 |
| -10                | 7.25 | 8.35 | 10.4 | 14.5 | 21.3 | 35.4 | 74.2 | 252   | 490  | 753  | 1148 | 1414  | 1586 | 1693 | 1765 | 1801 | 1818 | 1815 | 1816 |
| 0                  | 7.25 | 8.33 | 10.4 | 14.5 | 21.4 | 36.2 | 84.3 | 286   | 535  | 839  | 1237 | 1479  | 1633 | 1735 | 1798 | 1814 | 1826 | 1833 | 1836 |
| 10                 | 7.25 | 8.31 | 10.3 | 14.4 | 21.3 | 35.9 | 78.0 | 262   | 507  | 776  | 1190 | 1438  | 1601 | 1702 | 1767 | 1798 | 1811 | 1807 | 1801 |
| 20                 | 7.25 | 8.24 | 10.1 | 13.7 | 20.0 | 33.0 | 56.2 | 190   | 410  | 637  | 956  | 1285  | 1480 | 1607 | 1687 | 1734 | 1757 | 1764 | 1762 |
| 30                 | 7.25 | 8.14 | 9.64 | 12.8 | 17.7 | 27.3 | 42.4 | 94.5  | 247  | 446  | 645  | 886   | 1195 | 1377 | 1499 | 1579 | 1626 | 1654 | 1666 |
| 40                 | 7.25 | 8.01 | 9.18 | 11.6 | 15.2 | 21.2 | 32.0 | 46.7  | 94.1 | 213  | 359  | 513   | 662  | 809  | 982  | 1146 | 1260 | 1319 | 1345 |
| 50                 | 7.25 | 7.86 | 8.72 | 10.2 | 12.7 | 16.0 | 21.6 | 30.0  | 40.8 | 58.4 | 104  | 186   | 270  | 358  | 439  | 507  | 561  | 596  | 612  |
| 60                 | 7.25 | 7.72 | 8.26 | 9.08 | 10.4 | 12.4 | 14.8 | 17.9  | 22.7 | 28.0 | 35.9 | 43.3  | 53.4 | 67.2 | 85.6 | 106  | 130  | 147  | 156  |
| 70                 | 7.25 | 7.56 | 7.84 | 8.24 | 8.77 | 9.50 | 10.5 | 11.8  | 13.1 | 14.7 | 16.3 | 18.2  | 20.5 | 23.0 | 25.6 | 27.9 | 29.7 | 31.1 | 31.9 |
| 80                 | 7.25 | 7.38 | 7.49 | 7.60 | 7.73 | 7.89 | 8.08 | 8.29  | 8.53 | 8.77 | 9.09 | 9.43  | 9.81 | 10.2 | 10.5 | 10.7 | 10.9 | 11.1 | 11.2 |
| 90                 | 7.25 | 7.18 | 7.11 | 7.04 | 6.97 | 6.90 | 6.83 | 6.76  | 6.69 | 6.63 | 6.56 | 6.49  | 6.42 | 6.35 | 6.28 | 6.21 | 6.14 | 6.07 | 6.00 |
| 100                | 7.25 | 6.90 | 6.53 | 6.30 | 6.26 | 6.33 | 6.42 | 6.51  | 6.59 | 6.67 | 6.74 | 6.80  | 6.85 | 6.89 | 6.92 | 6.94 | 6.95 | 6.95 | 6.94 |
| 110                | 7.25 | 6.56 | 6.26 | 6.45 | 6.66 | 6.88 | 7.11 | 7.32  | 7.53 | 7.74 | 7.94 | 8.11  | 8.27 | 8.41 | 8.53 | 8.61 | 8.66 | 8.68 | 8.67 |
| 120                | 7.25 | 6.34 | 6.44 | 6.77 | 7.14 | 7.52 | 7.91 | 8.30  | 8.69 | 9.06 | 9.40 | 9.71  | 9.98 | 10.2 | 10.5 | 10.6 | 10.7 | 10.8 | 10.8 |
| 130                | 7.25 | 6.25 | 6.63 | 7.11 | 7.63 | 8.18 | 8.75 | 9.31  | 9.86 | 10.4 | 11.0 | 11.5  | 12.0 | 12.4 | 12.8 | 13.1 | 13.4 | 13.5 | 13.5 |
| 140                | 7.25 | 6.30 | 6.81 | 7.43 | 8.10 | 8.81 | 9.54 | 10.3  | 11.1 | 11.9 | 12.7 | 13.5  | 14.3 | 15.0 | 15.6 | 16.1 | 16.5 | 16.7 | 16.7 |
| 150                | 7.25 | 6.36 | 6.98 | 7.71 | 8.51 | 9.35 | 10.2 | 11.2  | 12.2 | 13.3 | 14.5 | 15.6  | 16.7 | 17.6 | 18.3 | 18.9 | 19.3 | 19.5 | 19.5 |
| 160                | 7.25 | 6.41 | 7.10 | 7.94 | 8.83 | 9.79 | 10.8 | 11.9  | 13.2 | 14.6 | 16.0 | 17.4  | 18.5 | 19.5 | 20.6 | 21.5 | 22.2 | 22.6 | 22.7 |
| 170                | 7.25 | 6.43 | 7.19 | 8.07 | 9.04 | 10.1 | 11.2 | 12.5  | 13.9 | 15.5 | 17.1 | 18.5  | 19.8 | 21.2 | 22.6 | 23.9 | 24.8 | 25.4 | 25.4 |
| 180                | 7.25 | 6.44 | 7.22 | 8.13 | 9.13 | 10.2 | 11.4 | 12.7  | 14.2 | 15.9 | 17.5 | 18.9  | 20.4 | 22.0 | 23.6 | 25.1 | 26.3 | 27.1 | 27.0 |

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2025-01-03

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:9.250m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                  |  |  |  |  |  |  |  |  |       |  |  |  |  |                  |  |  |  |  |
|----------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|-------|--|--|--|--|------------------|--|--|--|--|
| Test:U:223.23V I:0.1371A P:30.173W PF:0.9857 Freq:49.99Hz Lamp Flux:3463.83x1 lm |  |  |  |  |  |  |  |  |       |  |  |  |  |                  |  |  |  |  |
| NAME:                                                                            |  |  |  |  |  |  |  |  | TYPE: |  |  |  |  | WEIGHT:          |  |  |  |  |
| SPEC.:                                                                           |  |  |  |  |  |  |  |  | DIM.: |  |  |  |  | SERIAL No.:      |  |  |  |  |
| MFR.: EVERFINE                                                                   |  |  |  |  |  |  |  |  | SUR.: |  |  |  |  | Shielding Angle: |  |  |  |  |

Table--2

UNIT: cd

| H (DEG)<br>V (DEG) | 5    | 10   | 15   | 20   | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   | 85   | 90   |  |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| -180               | 26.5 | 25.4 | 24.2 | 22.7 | 21.1 | 19.5 | 17.8 | 16.2 | 14.7 | 13.3 | 12.0 | 10.8 | 9.75 | 8.86 | 8.23 | 8.16 | 8.60 | 9.55 |  |
| -170               | 25.3 | 24.5 | 23.4 | 22.1 | 20.6 | 19.0 | 17.5 | 15.9 | 14.5 | 13.2 | 11.9 | 10.7 | 9.69 | 8.84 | 8.22 | 8.17 | 8.61 | 9.55 |  |
| -160               | 22.7 | 22.2 | 21.3 | 20.2 | 19.0 | 17.7 | 16.4 | 15.1 | 13.9 | 12.7 | 11.5 | 10.4 | 9.48 | 8.72 | 8.18 | 8.19 | 8.64 | 9.55 |  |
| -150               | 19.5 | 19.1 | 18.6 | 17.8 | 16.9 | 15.9 | 14.9 | 13.9 | 12.9 | 11.8 | 10.9 | 9.95 | 9.15 | 8.54 | 8.16 | 8.25 | 8.69 | 9.55 |  |
| -140               | 16.4 | 16.1 | 15.7 | 15.2 | 14.6 | 14.0 | 13.2 | 12.4 | 11.6 | 10.8 | 10.1 | 9.37 | 8.77 | 8.29 | 8.15 | 8.35 | 8.76 | 9.55 |  |
| -130               | 13.6 | 13.5 | 13.2 | 12.9 | 12.5 | 12.0 | 11.5 | 10.9 | 10.3 | 9.78 | 9.24 | 8.78 | 8.37 | 8.18 | 8.19 | 8.44 | 8.86 | 9.55 |  |
| -120               | 11.2 | 11.1 | 10.9 | 10.7 | 10.4 | 10.1 | 9.82 | 9.48 | 9.15 | 8.83 | 8.52 | 8.27 | 8.18 | 8.19 | 8.37 | 8.60 | 8.98 | 9.55 |  |
| -110               | 9.21 | 9.15 | 9.05 | 8.94 | 8.83 | 8.68 | 8.53 | 8.40 | 8.29 | 8.23 | 8.20 | 8.21 | 8.31 | 8.42 | 8.59 | 8.82 | 9.13 | 9.55 |  |
| -100               | 8.30 | 8.30 | 8.29 | 8.29 | 8.29 | 8.31 | 8.34 | 8.37 | 8.41 | 8.45 | 8.51 | 8.60 | 8.69 | 8.82 | 8.96 | 9.12 | 9.32 | 9.55 |  |
| -90                | 9.37 | 9.38 | 9.39 | 9.40 | 9.41 | 9.42 | 9.43 | 9.44 | 9.45 | 9.46 | 9.47 | 9.48 | 9.49 | 9.50 | 9.51 | 9.52 | 9.54 | 9.55 |  |
| -80                | 15.6 | 15.6 | 15.5 | 15.3 | 15.0 | 14.7 | 14.4 | 14.0 | 13.6 | 13.1 | 12.6 | 12.1 | 11.6 | 11.1 | 10.6 | 10.2 | 9.86 | 9.55 |  |
| -70                | 30.8 | 30.4 | 29.6 | 28.6 | 27.4 | 26.1 | 24.6 | 23.1 | 21.4 | 19.6 | 17.7 | 16.1 | 14.7 | 13.5 | 12.3 | 11.2 | 10.2 | 9.55 |  |
| -60                | 84.9 | 82.2 | 76.0 | 67.9 | 60.6 | 53.3 | 47.3 | 41.3 | 34.8 | 29.3 | 25.6 | 22.3 | 19.1 | 16.2 | 14.0 | 12.2 | 10.7 | 9.55 |  |
| -50                | 416  | 397  | 362  | 318  | 262  | 198  | 138  | 92.7 | 65.5 | 50.0 | 39.2 | 29.6 | 24.3 | 19.8 | 16.0 | 13.3 | 11.1 | 9.55 |  |
| -40                | 1047 | 984  | 908  | 815  | 695  | 546  | 406  | 286  | 175  | 96.9 | 59.3 | 43.0 | 30.0 | 23.5 | 18.1 | 14.2 | 11.4 | 9.55 |  |
| -30                | 1592 | 1566 | 1512 | 1422 | 1271 | 1025 | 809  | 559  | 370  | 212  | 105  | 57.8 | 39.3 | 26.8 | 20.2 | 15.1 | 11.8 | 9.55 |  |
| -20                | 1770 | 1756 | 1720 | 1669 | 1581 | 1446 | 1181 | 897  | 573  | 353  | 181  | 80.0 | 47.5 | 29.9 | 21.9 | 15.9 | 12.1 | 9.55 |  |
| -10                | 1818 | 1817 | 1801 | 1771 | 1700 | 1596 | 1433 | 1110 | 779  | 452  | 238  | 103  | 53.4 | 32.4 | 23.0 | 16.4 | 12.2 | 9.55 |  |
| 0                  | 1840 | 1831 | 1819 | 1805 | 1736 | 1647 | 1499 | 1192 | 864  | 495  | 262  | 115  | 55.6 | 33.4 | 23.4 | 16.6 | 12.3 | 9.55 |  |
| 10                 | 1809 | 1811 | 1799 | 1772 | 1709 | 1611 | 1458 | 1152 | 802  | 469  | 247  | 107  | 53.8 | 32.5 | 22.8 | 16.3 | 12.2 | 9.55 |  |
| 20                 | 1766 | 1760 | 1735 | 1691 | 1614 | 1495 | 1257 | 959  | 613  | 380  | 198  | 84.2 | 48.0 | 29.9 | 21.6 | 15.7 | 12.0 | 9.55 |  |
| 30                 | 1656 | 1629 | 1583 | 1508 | 1372 | 1171 | 899  | 624  | 418  | 242  | 119  | 60.1 | 39.7 | 26.5 | 19.7 | 14.8 | 11.7 | 9.55 |  |
| 40                 | 1315 | 1253 | 1137 | 984  | 821  | 647  | 490  | 343  | 217  | 115  | 63.5 | 43.9 | 30.0 | 22.8 | 17.6 | 13.9 | 11.3 | 9.55 |  |
| 50                 | 593  | 555  | 498  | 428  | 349  | 267  | 195  | 121  | 75.3 | 52.7 | 40.0 | 29.4 | 23.2 | 18.9 | 15.4 | 12.9 | 10.9 | 9.55 |  |
| 60                 | 149  | 134  | 112  | 93.7 | 76.2 | 61.4 | 51.2 | 43.4 | 35.4 | 29.1 | 24.2 | 20.8 | 17.9 | 15.4 | 13.4 | 11.8 | 10.5 | 9.55 |  |
| 70                 | 31.8 | 31.1 | 29.9 | 28.2 | 26.0 | 23.9 | 22.0 | 20.5 | 19.0 | 17.4 | 16.0 | 14.7 | 13.5 | 12.5 | 11.6 | 10.8 | 10.1 | 9.55 |  |
| 80                 | 11.4 | 11.6 | 11.8 | 11.8 | 11.8 | 11.7 | 11.5 | 11.4 | 11.2 | 11.1 | 10.9 | 10.7 | 10.5 | 10.3 | 10.1 | 9.85 | 9.67 | 9.55 |  |
| 90                 | 6.20 | 6.40 | 6.59 | 6.79 | 6.99 | 7.18 | 7.38 | 7.58 | 7.78 | 7.97 | 8.17 | 8.37 | 8.56 | 8.76 | 8.96 | 9.15 | 9.35 | 9.55 |  |
| 100                | 7.01 | 7.06 | 7.11 | 7.16 | 7.21 | 7.27 | 7.34 | 7.42 | 7.50 | 7.60 | 7.72 | 7.87 | 8.05 | 8.26 | 8.51 | 8.80 | 9.14 | 9.55 |  |
| 110                | 8.67 | 8.64 | 8.58 | 8.49 | 8.38 | 8.26 | 8.12 | 7.98 | 7.85 | 7.78 | 7.75 | 7.77 | 7.88 | 8.02 | 8.25 | 8.56 | 8.97 | 9.55 |  |
| 120                | 10.8 | 10.7 | 10.5 | 10.3 | 10.1 | 9.82 | 9.53 | 9.22 | 8.90 | 8.59 | 8.29 | 8.02 | 7.91 | 7.92 | 8.11 | 8.39 | 8.85 | 9.55 |  |
| 130                | 13.4 | 13.3 | 13.0 | 12.6 | 12.2 | 11.7 | 11.2 | 10.7 | 10.1 | 9.59 | 9.08 | 8.63 | 8.21 | 7.99 | 8.01 | 8.27 | 8.75 | 9.55 |  |
| 140                | 16.6 | 16.3 | 15.8 | 15.2 | 14.5 | 13.9 | 13.1 | 12.3 | 11.5 | 10.7 | 9.93 | 9.25 | 8.67 | 8.18 | 8.02 | 8.23 | 8.67 | 9.55 |  |
| 150                | 19.4 | 19.1 | 18.5 | 17.8 | 17.0 | 16.0 | 14.9 | 13.8 | 12.8 | 11.7 | 10.8 | 9.86 | 9.07 | 8.46 | 8.07 | 8.16 | 8.62 | 9.55 |  |
| 160                | 22.5 | 21.9 | 21.1 | 20.1 | 19.0 | 17.8 | 16.5 | 15.1 | 13.8 | 12.6 | 11.4 | 10.4 | 9.43 | 8.68 | 8.12 | 8.13 | 8.60 | 9.55 |  |
| 170                | 25.1 | 24.4 | 23.3 | 22.0 | 20.5 | 19.0 | 17.5 | 15.9 | 14.5 | 13.2 | 11.9 | 10.7 | 9.66 | 8.81 | 8.20 | 8.14 | 8.59 | 9.55 |  |
| 180                | 26.5 | 25.4 | 24.2 | 22.7 | 21.1 | 19.5 | 17.8 | 16.2 | 14.7 | 13.3 | 12.0 | 10.8 | 9.75 | 8.86 | 8.23 | 8.16 | 8.60 | 9.55 |  |

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2025-01-03

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:9.250m [K=1.0000]  
Remarks: