

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

|                                    |                         |
|------------------------------------|-------------------------|
| Maximum Intensity                  | 372.1 cd per klm.       |
| (Luminaire orientation as tested.) | 0.0 degrees vertical    |
|                                    | -1.0 degrees horizontal |

|             |                |                 |
|-------------|----------------|-----------------|
| Beam Spread | At 10% of Imax | 129.2V x 143.5H |
|             | At 50% of Imax | 107.3V x 98.7H  |
|             | At 90% of Imax | 78.8V x 47.6H   |

|           |                |                        |
|-----------|----------------|------------------------|
| Beam Flux | Total          | 1000.0 lumens per klm. |
|           | To 10% of Imax | 949.3 lumens per klm.  |
|           | To 50% of Imax | 809.0 lumens per klm.  |
|           | To 90% of Imax | 312.8 lumens per klm.  |

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

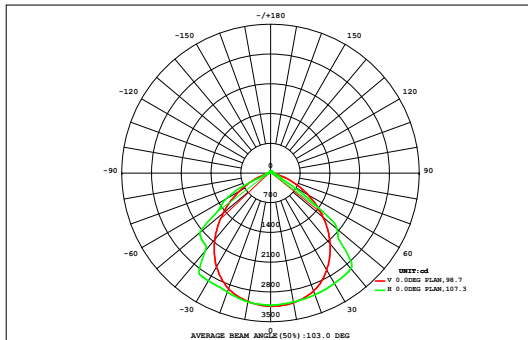
|                                           |         |
|-------------------------------------------|---------|
| Luminaire Efficiency (Light Output Ratio) | 100.0 % |
|-------------------------------------------|---------|

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Jason  
Test Date: 2025-07-30

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:218.51V I:0.2377A P:50.463W PF:0.9717 Freq:49.99Hz Lamp Flux:8422.96x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                   | SUR.: | Shielding Angle: |



| DATA OF LAMP      |         | Eff:166.91lm/W   |           |
|-------------------|---------|------------------|-----------|
| MODEL             |         | Imax (cd)        | 3134      |
| NOMINAL POWER (W) | 50      | AVAILABILITY (%) | 95.0      |
| RATED VOLTAGE (V) | 220     | Avai. FLUX (lm)  | 8004      |
| NOMINAL FLUX (lm) | 8422.96 | LOR (%)          | 100.0     |
| LAMPS INSIDE      | 1       | TOTAL FLUX (lm)  | 8423      |
| TEST VOLTAGE (V)  | 220     | θ @50% (H,V)     | 99,107DEG |

| VERTICAL (DEG) | AREA FLUX DIAGRAM |      |      |      |      |      |      |      |                  |      |      |      |      |      |      |      | UNIT:lm |      | Φ t  | Φ a  |
|----------------|-------------------|------|------|------|------|------|------|------|------------------|------|------|------|------|------|------|------|---------|------|------|------|
|                | 0.05              | 0.17 | 0.32 | 0.52 | 0.75 | 0.95 | 1.13 | 1.26 | 1.32             | 1.30 | 1.19 | 1.03 | 0.84 | 0.64 | 0.48 | 0.34 | 0.21    | 0.07 | 12.6 | 0.00 |
| 90             | 0.05              | 0.17 | 0.32 | 0.52 | 0.75 | 0.95 | 1.13 | 1.26 | 1.32             | 1.30 | 1.19 | 1.03 | 0.84 | 0.64 | 0.48 | 0.34 | 0.21    | 0.07 | 12.6 | 0.00 |
| 80             | 0.06              | 0.25 | 0.66 | 1.26 | 1.89 | 2.56 | 3.25 | 3.82 | 3.96             | 3.98 | 3.85 | 3.19 | 2.35 | 1.64 | 1.02 | 0.55 | 0.25    | 0.08 | 34.6 | 0.00 |
| 70             | 0.07              | 0.41 | 1.27 | 2.59 | 5.86 | 11.8 | 16.6 | 19.6 | 20.0             | 20.1 | 19.8 | 16.6 | 11.8 | 5.92 | 2.15 | 0.94 | 0.33    | 0.08 | 156  | 132  |
| 60             | 0.08              | 0.64 | 2.22 | 7.45 | 18.8 | 31.5 | 41.2 | 46.3 | 48.4             | 48.1 | 45.5 | 40.9 | 32.3 | 18.3 | 6.83 | 1.66 | 0.46    | 0.09 | 391  | 383  |
| 50             | 0.10              | 0.92 | 4.16 | 14.2 | 30.2 | 45.9 | 56.0 | 65.6 | 69.0             | 68.9 | 65.7 | 56.0 | 43.6 | 29.7 | 13.0 | 3.38 | 0.63    | 0.09 | 567  | 562  |
| 40             | 0.11              | 1.25 | 6.62 | 19.3 | 36.3 | 53.0 | 70.1 | 78.4 | 84.2             | 83.5 | 76.3 | 67.8 | 53.1 | 33.8 | 18.2 | 5.45 | 0.84    | 0.10 | 688  | 684  |
| 30             | 0.13              | 1.60 | 8.41 | 22.6 | 39.3 | 60.2 | 74.8 | 83.9 | 88.7             | 88.2 | 82.1 | 71.7 | 57.4 | 37.7 | 20.6 | 6.97 | 1.08    | 0.11 | 746  | 743  |
|                | 0.14              | 1.92 | 9.41 | 23.8 | 42.0 | 61.5 | 76.5 | 86.8 | 91.7             | 91.1 | 85.2 | 74.1 | 58.4 | 39.7 | 21.3 | 7.79 | 1.30    | 0.11 | 773  | 770  |
|                | 0.15              | 2.12 | 9.69 | 23.6 | 41.9 | 61.2 | 77.7 | 88.9 | 94.0             | 93.3 | 87.6 | 75.6 | 58.3 | 39.0 | 20.9 | 7.81 | 1.41    | 0.12 | 783  | 781  |
|                | 0.15              | 2.11 | 9.52 | 23.8 | 42.3 | 61.2 | 77.8 | 88.7 | 93.5             | 93.5 | 87.9 | 76.1 | 58.8 | 39.4 | 21.1 | 7.53 | 1.39    | 0.12 | 785  | 782  |
|                | 0.14              | 1.90 | 8.84 | 24.0 | 43.4 | 61.6 | 77.0 | 87.1 | 92.2             | 92.2 | 86.7 | 75.8 | 59.7 | 41.1 | 21.5 | 6.91 | 1.27    | 0.11 | 781  | 779  |
|                | 0.13              | 1.60 | 7.30 | 22.2 | 42.7 | 60.6 | 75.2 | 85.1 | 90.7             | 90.6 | 84.8 | 74.5 | 59.4 | 40.8 | 19.8 | 5.56 | 1.07    | 0.11 | 762  | 759  |
| -30            | 0.11              | 1.26 | 5.29 | 18.0 | 38.0 | 58.8 | 71.9 | 82.3 | 88.7             | 88.6 | 82.1 | 71.8 | 58.2 | 36.0 | 15.4 | 3.96 | 0.85    | 0.10 | 721  | 717  |
| -40            | 0.10              | 0.92 | 3.55 | 10.6 | 28.4 | 48.1 | 61.8 | 69.3 | 73.9             | 73.9 | 69.3 | 61.3 | 46.7 | 26.1 | 8.21 | 2.64 | 0.63    | 0.09 | 586  | 578  |
| -50            | 0.08              | 0.62 | 2.22 | 4.91 | 12.1 | 26.3 | 34.8 | 40.1 | 41.0             | 40.8 | 39.4 | 33.3 | 23.2 | 9.42 | 3.93 | 1.64 | 0.45    | 0.09 | 314  | 299  |
| -60            | 0.07              | 0.39 | 1.24 | 2.60 | 3.89 | 6.04 | 9.38 | 11.2 | 10.0             | 9.54 | 9.88 | 7.96 | 5.29 | 3.52 | 2.11 | 0.93 | 0.33    | 0.08 | 84.4 | 37.2 |
| -70            | 0.06              | 0.25 | 0.61 | 1.17 | 1.82 | 2.47 | 3.08 | 3.52 | 3.70             | 3.67 | 3.42 | 2.93 | 2.29 | 1.61 | 0.97 | 0.52 | 0.26    | 0.08 | 32.4 | 0.00 |
| -80            | 0.05              | 0.18 | 0.35 | 0.55 | 0.75 | 0.90 | 1.00 | 1.06 | 1.06             | 1.05 | 1.03 | 0.96 | 0.86 | 0.72 | 0.56 | 0.40 | 0.24    | 0.08 | 11.8 | 0.00 |
| -90            | 0.05              | 0.17 | 0.32 | 0.52 | 0.75 | 0.95 | 1.13 | 1.26 | 1.32             | 1.30 | 1.19 | 1.03 | 0.84 | 0.64 | 0.48 | 0.34 | 0.21    | 0.07 | 12.6 | 0.00 |
|                | -90               | -80  | -70  | -60  | -50  | -40  | -30  | -20  | HORIZONTAL (DEG) | 20   | 30   | 40   | 50   | 60   | 70   | 80   | 90      |      |      |      |
| Φ t            | 1.78              | 18.5 | 81.7 | 223  | 430  | 655  | 829  | 943  | 996              | 992  | 932  | 811  | 633  | 405  | 198  | 65.0 | 13.0    | 1.71 | 8229 | ---  |
| Φ a            | 0.00              | 4.16 | 67.5 | 210  | 417  | 642  | 816  | 929  | 980              | 975  | 917  | 798  | 620  | 392  | 185  | 49.8 | 0.00    | 0.00 | ---  | 8004 |

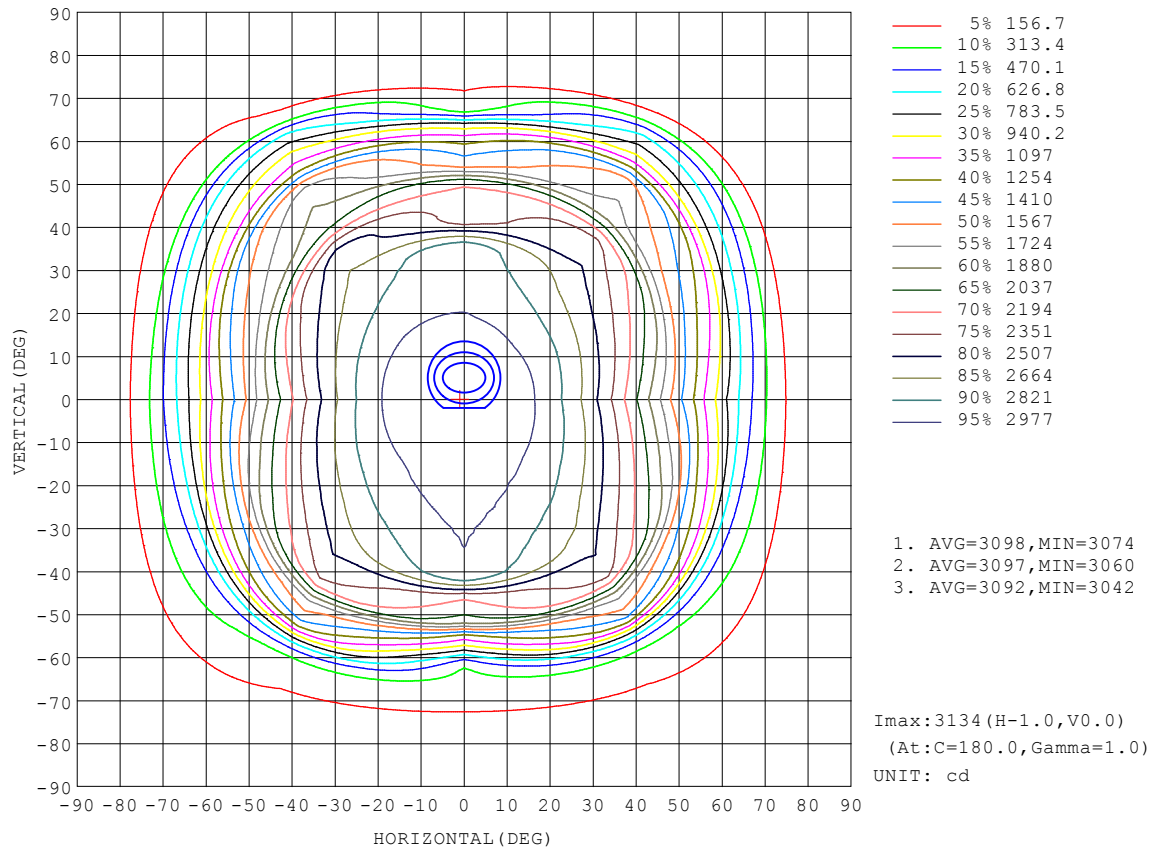
one-half-peak spread: U:30.5,D:21.0 , L:47.0,R:47.0 IESNA Beam Type: Type 7 x 6 (H x V)

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2025-07-30

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
γ 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:218.51V I:0.2377A P:50.463W PF:0.9717 Freq:49.99Hz Lamp Flux:8422.96x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                   | SUR.: | Shielding Angle: |

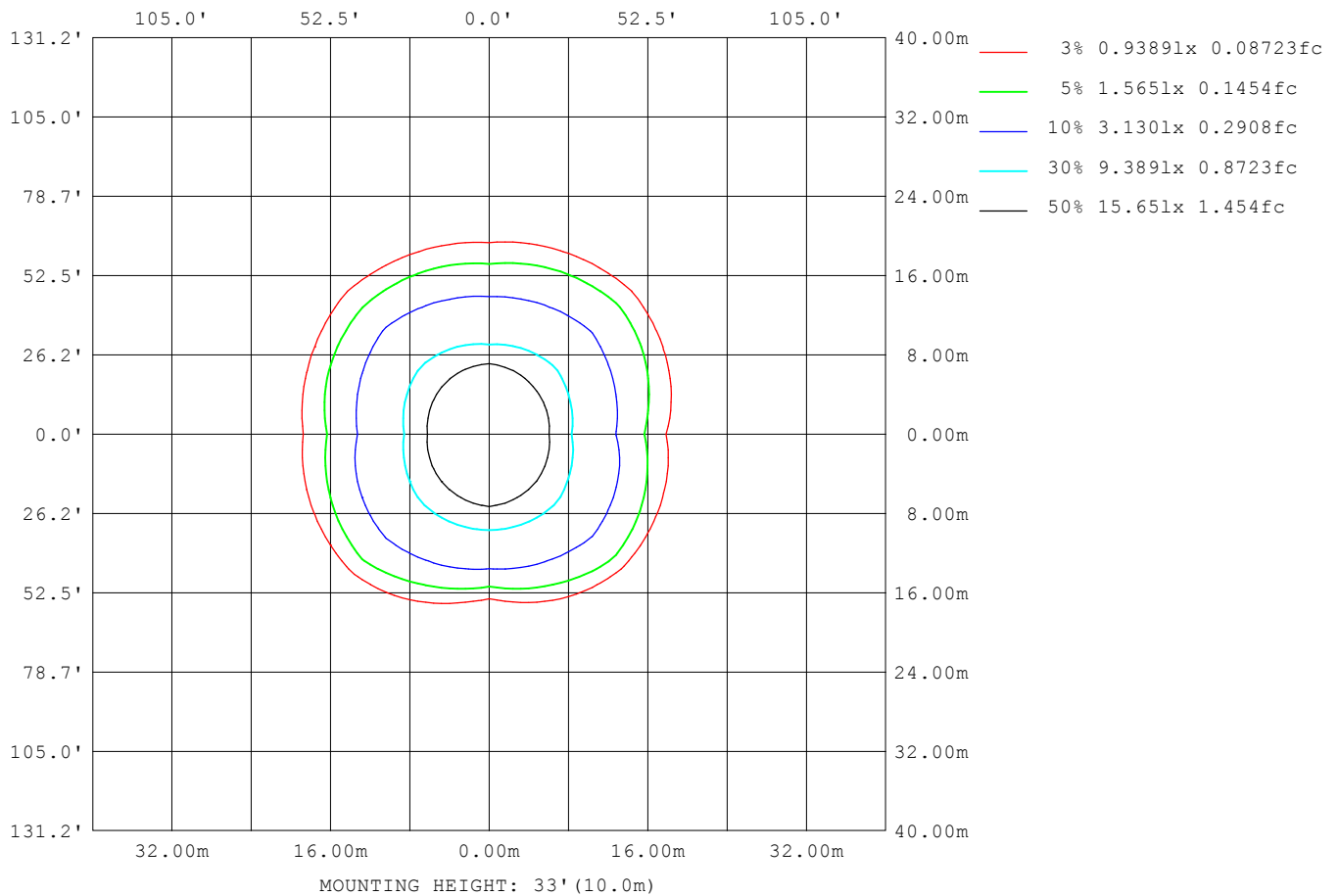


C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Jason  
Test Date: 2025-07-30

$\gamma$  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

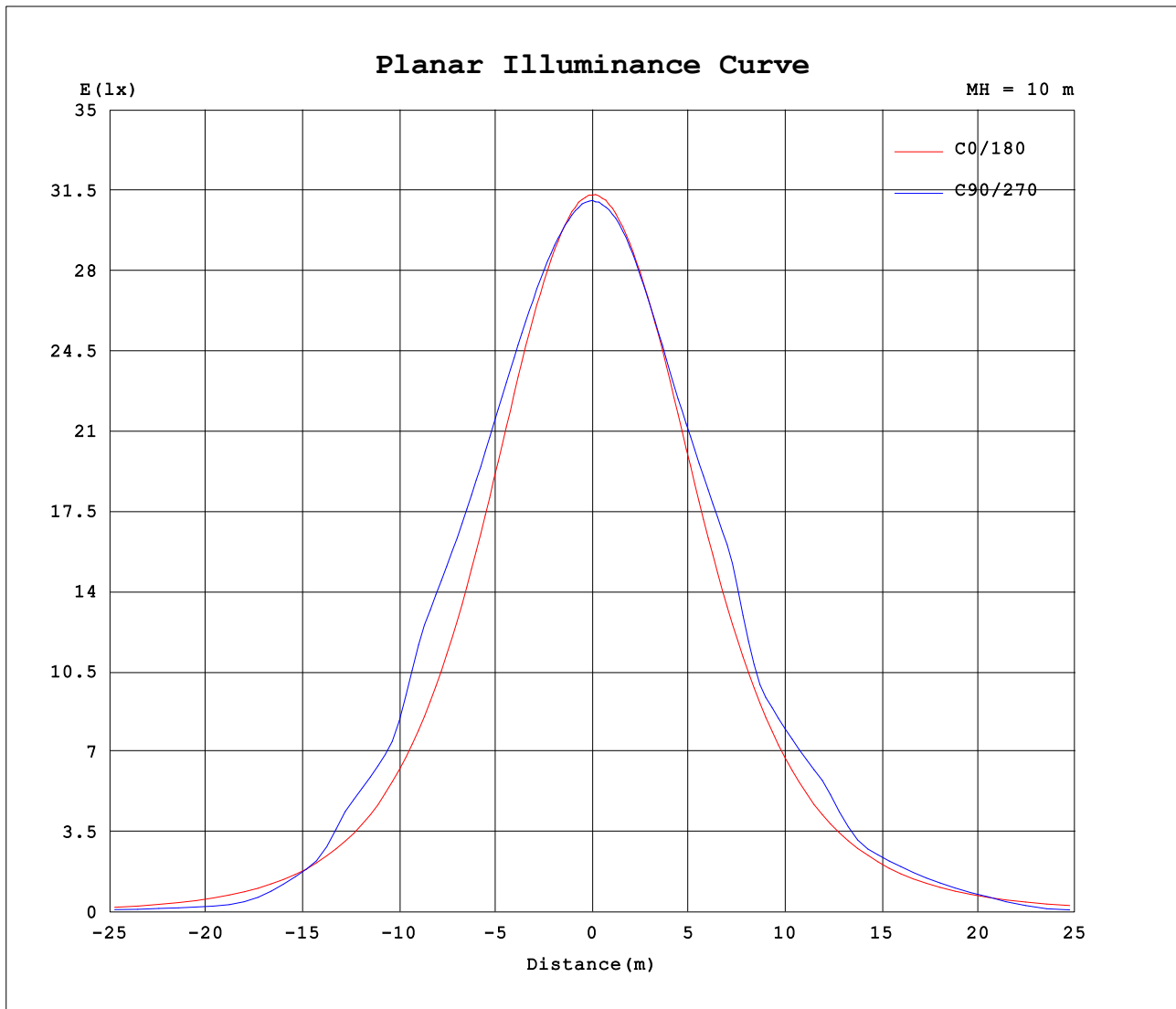
|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:218.51V I:0.2377A P:50.463W PF:0.9717 Freq:49.99Hz Lamp Flux:8422.96x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                   | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2025-07-30

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

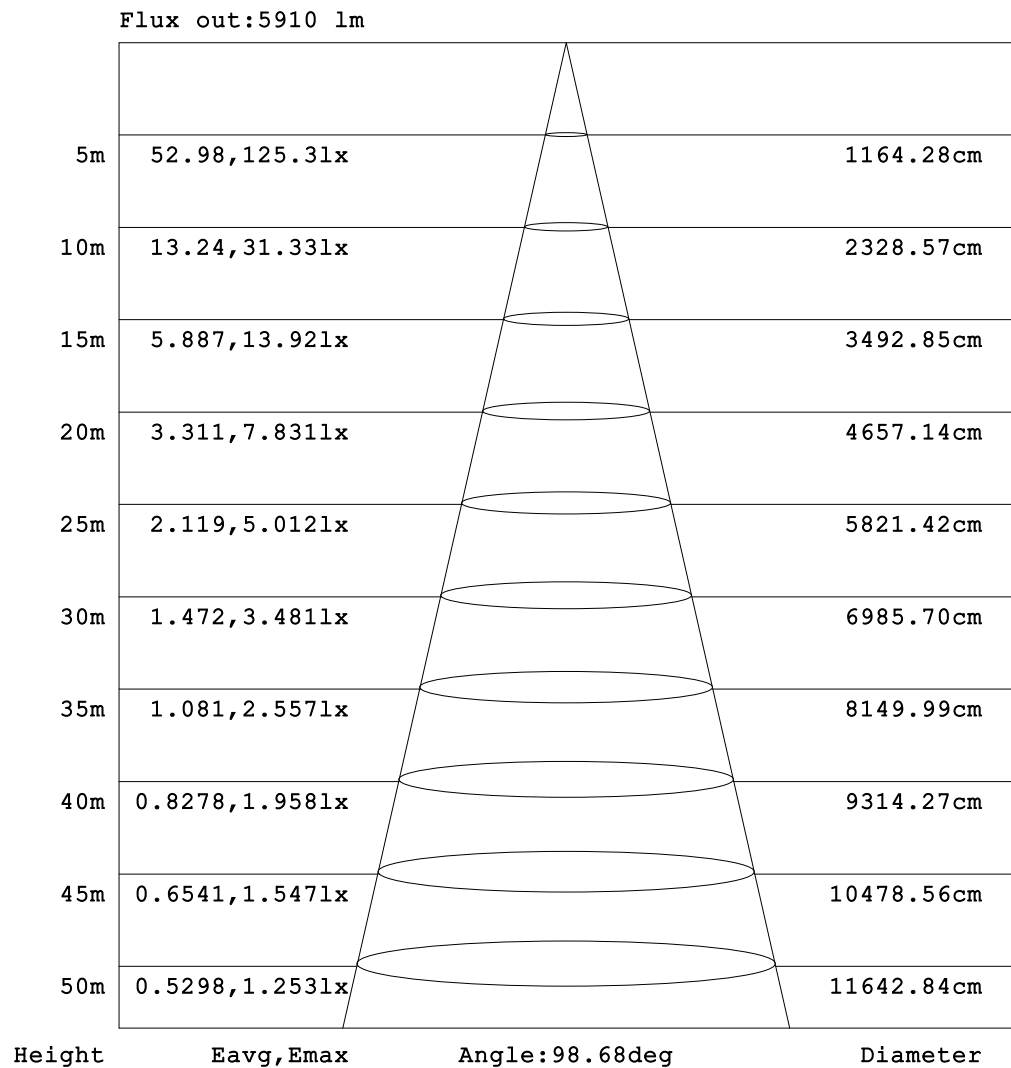


C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Jason  
Test Date: 2025-07-30

$\gamma$  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:218.51V I:0.2377A P:50.463W PF:0.9717 Freq:49.99Hz Lamp Flux:8422.96x1 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: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Jason  
 Test Date: 2025-07-30

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:218.51V I:0.2377A P:50.463W PF:0.9717 Freq:49.99Hz Lamp Flux:8422.96x1 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               | 17.2 | 16.8 | 18.1 | 20.1 | 22.6 | 25.3 | 28.2 | 30.9 | 33.7 | 36.4 | 38.9 | 41.2 | 43.4 | 45.4 | 47.2 | 48.7 | 49.9 | 50.7 | 51.1 |
| -170               | 17.2 | 17.0 | 18.4 | 20.4 | 22.7 | 25.3 | 28.0 | 30.6 | 33.2 | 35.7 | 38.0 | 40.2 | 42.2 | 44.0 | 45.5 | 46.7 | 47.4 | 48.1 | 48.4 |
| -160               | 17.2 | 17.2 | 18.6 | 20.4 | 22.6 | 24.9 | 27.2 | 29.7 | 32.0 | 34.2 | 36.2 | 38.2 | 39.9 | 41.5 | 42.8 | 44.0 | 44.9 | 45.5 | 45.7 |
| -150               | 17.2 | 17.3 | 18.7 | 20.3 | 22.2 | 24.2 | 26.2 | 28.3 | 30.3 | 32.1 | 33.9 | 35.5 | 36.9 | 38.1 | 39.2 | 40.2 | 41.2 | 41.8 | 42.0 |
| -140               | 17.2 | 17.4 | 18.7 | 20.2 | 21.8 | 23.5 | 25.0 | 26.6 | 28.3 | 29.8 | 31.1 | 32.5 | 33.6 | 34.4 | 35.0 | 35.4 | 35.7 | 35.7 | 35.5 |
| -130               | 17.2 | 17.5 | 18.8 | 20.0 | 21.3 | 22.7 | 24.0 | 25.2 | 26.3 | 27.4 | 28.5 | 29.4 | 30.3 | 31.0 | 31.6 | 32.0 | 32.2 | 32.3 | 32.3 |
| -120               | 17.2 | 17.6 | 18.8 | 20.0 | 21.1 | 22.2 | 23.2 | 24.2 | 25.0 | 25.8 | 26.4 | 26.7 | 27.2 | 27.6 | 28.1 | 28.6 | 29.0 | 29.2 | 29.4 |
| -110               | 17.2 | 17.7 | 18.9 | 20.0 | 21.1 | 22.1 | 23.0 | 23.8 | 24.6 | 25.3 | 25.5 | 25.5 | 25.4 | 25.4 | 25.4 | 25.4 | 25.5 | 25.4 | 25.4 |
| -100               | 17.2 | 17.9 | 19.1 | 20.3 | 21.4 | 22.5 | 23.5 | 24.5 | 25.5 | 26.3 | 26.1 | 25.8 | 25.6 | 25.4 | 25.3 | 25.1 | 25.0 | 24.9 | 24.8 |
| -90                | 17.2 | 18.5 | 19.9 | 21.3 | 22.7 | 24.0 | 25.4 | 26.8 | 28.1 | 29.5 | 29.2 | 28.9 | 28.6 | 28.3 | 28.1 | 27.8 | 27.5 | 27.2 | 26.9 |
| -80                | 17.2 | 19.9 | 22.8 | 25.8 | 29.0 | 32.5 | 36.4 | 40.6 | 44.8 | 48.6 | 51.7 | 54.2 | 56.4 | 57.9 | 59.2 | 59.7 | 59.3 | 58.2 | 56.4 |
| -70                | 17.2 | 21.6 | 27.5 | 36.4 | 49.6 | 65.8 | 83.4 | 101  | 117  | 127  | 137  | 150  | 163  | 173  | 182  | 188  | 192  | 194  | 193  |
| -60                | 17.2 | 23.6 | 35.5 | 58.3 | 89.7 | 128  | 167  | 204  | 231  | 245  | 317  | 464  | 618  | 740  | 782  | 760  | 709  | 632  | 527  |
| -50                | 17.2 | 25.9 | 47.8 | 88.7 | 146  | 215  | 289  | 360  | 573  | 992  | 1388 | 1541 | 1625 | 1803 | 1994 | 2100 | 2108 | 2084 | 2042 |
| -40                | 17.2 | 28.3 | 62.4 | 125  | 216  | 328  | 469  | 800  | 1255 | 1520 | 1939 | 2318 | 2423 | 2447 | 2551 | 2698 | 2815 | 2881 | 2936 |
| -30                | 17.2 | 31.0 | 77.0 | 162  | 294  | 451  | 753  | 1191 | 1502 | 1956 | 2212 | 2403 | 2564 | 2691 | 2784 | 2857 | 2915 | 2961 | 2997 |
| -20                | 17.2 | 33.3 | 89.8 | 197  | 369  | 592  | 974  | 1308 | 1720 | 2021 | 2253 | 2458 | 2629 | 2766 | 2869 | 2939 | 2988 | 3022 | 3046 |
| -10                | 17.2 | 34.7 | 98.7 | 226  | 430  | 687  | 1041 | 1368 | 1715 | 1999 | 2251 | 2475 | 2666 | 2821 | 2933 | 2997 | 3035 | 3064 | 3080 |
| 0                  | 17.2 | 35.2 | 103  | 241  | 466  | 726  | 1017 | 1320 | 1608 | 1908 | 2180 | 2426 | 2640 | 2821 | 2956 | 3042 | 3096 | 3125 | 3130 |
| 10                 | 17.2 | 34.8 | 99.0 | 226  | 451  | 730  | 1047 | 1372 | 1636 | 1970 | 2255 | 2473 | 2656 | 2807 | 2925 | 3004 | 3055 | 3078 | 3083 |
| 20                 | 17.2 | 33.5 | 90.3 | 197  | 389  | 684  | 979  | 1357 | 1611 | 1872 | 2255 | 2462 | 2622 | 2744 | 2839 | 2906 | 2947 | 2971 | 2981 |
| 30                 | 17.2 | 31.2 | 78.0 | 161  | 297  | 581  | 865  | 1217 | 1548 | 1742 | 1966 | 2363 | 2577 | 2678 | 2761 | 2823 | 2866 | 2903 | 2932 |
| 40                 | 17.2 | 28.4 | 63.8 | 125  | 214  | 382  | 679  | 943  | 1283 | 1636 | 1803 | 1923 | 2095 | 2332 | 2457 | 2447 | 2422 | 2428 | 2408 |
| 50                 | 17.2 | 25.8 | 49.2 | 90.5 | 145  | 212  | 356  | 645  | 883  | 1088 | 1429 | 1732 | 1766 | 1773 | 1838 | 1944 | 2052 | 2124 | 2172 |
| 60                 | 17.2 | 23.3 | 36.4 | 61.0 | 92.1 | 127  | 164  | 206  | 332  | 601  | 773  | 874  | 973  | 1054 | 1139 | 1208 | 1238 | 1234 | 1203 |
| 70                 | 17.2 | 20.9 | 27.4 | 38.1 | 53.3 | 70.6 | 87.3 | 103  | 114  | 122  | 132  | 147  | 170  | 189  | 234  | 250  | 242  | 214  | 175  |
| 80                 | 17.2 | 18.9 | 21.4 | 24.7 | 28.9 | 33.9 | 39.7 | 46.1 | 52.2 | 57.6 | 62.3 | 66.5 | 70.3 | 73.6 | 76.5 | 78.8 | 80.5 | 81.6 | 82.0 |
| 90                 | 17.2 | 17.3 | 17.5 | 17.7 | 17.9 | 18.0 | 18.2 | 18.4 | 18.6 | 18.8 | 18.6 | 18.5 | 18.3 | 18.2 | 18.0 | 17.9 | 17.7 | 17.6 | 17.4 |
| 100                | 17.2 | 16.6 | 16.4 | 16.3 | 16.2 | 16.3 | 16.4 | 16.5 | 16.6 | 16.8 | 17.0 | 17.2 | 17.4 | 17.5 | 17.7 | 17.8 | 17.9 | 18.0 | 18.1 |
| 110                | 17.2 | 16.4 | 16.4 | 16.6 | 17.0 | 17.4 | 17.9 | 18.4 | 18.9 | 19.3 | 19.8 | 20.3 | 20.8 | 21.2 | 21.6 | 21.9 | 22.2 | 22.3 | 22.4 |
| 120                | 17.2 | 16.4 | 16.7 | 17.2 | 18.0 | 18.8 | 19.7 | 20.6 | 21.4 | 22.2 | 23.1 | 24.0 | 25.0 | 25.9 | 26.7 | 27.3 | 27.8 | 28.2 | 28.4 |
| 130                | 17.2 | 16.5 | 17.0 | 17.9 | 19.0 | 20.3 | 21.6 | 22.9 | 24.4 | 25.9 | 27.3 | 28.7 | 30.1 | 31.4 | 32.4 | 33.3 | 34.0 | 34.6 | 35.0 |
| 140                | 17.2 | 16.6 | 17.4 | 18.6 | 20.1 | 21.8 | 23.6 | 25.5 | 27.5 | 29.3 | 31.1 | 32.7 | 34.2 | 35.6 | 36.9 | 37.9 | 38.5 | 38.8 | 39.0 |
| 150                | 17.2 | 16.7 | 17.7 | 19.2 | 21.1 | 23.1 | 25.4 | 27.8 | 30.0 | 32.3 | 34.2 | 36.1 | 37.9 | 39.5 | 40.9 | 41.8 | 42.5 | 42.8 | 42.7 |
| 160                | 17.2 | 16.8 | 17.9 | 19.7 | 21.9 | 24.3 | 26.9 | 29.5 | 32.0 | 34.4 | 36.7 | 38.9 | 41.0 | 43.1 | 44.9 | 46.1 | 47.0 | 47.4 | 47.5 |
| 170                | 17.2 | 16.8 | 18.1 | 20.0 | 22.4 | 25.0 | 27.8 | 30.6 | 33.2 | 35.8 | 38.3 | 40.7 | 42.9 | 45.0 | 46.7 | 48.1 | 49.0 | 49.5 | 49.6 |
| 180                | 17.2 | 16.8 | 18.1 | 20.1 | 22.6 | 25.3 | 28.2 | 30.9 | 33.7 | 36.4 | 38.9 | 41.2 | 43.4 | 45.4 | 47.2 | 48.7 | 49.9 | 50.7 | 50.9 |

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2025-07-30

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:218.51V I:0.2377A P:50.463W PF:0.9717 Freq:49.99Hz Lamp Flux:8422.96x1 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               | 50.7 | 50.0 | 48.9 | 47.3 | 45.4 | 43.4 | 40.3 | 37.2 | 34.5 | 32.5 | 31.1 | 29.6 | 28.1 | 26.9 | 26.1 | 26.2 | 27.3 | 29.1 |  |
| -170               | 48.1 | 47.4 | 46.6 | 45.4 | 43.7 | 41.8 | 39.2 | 36.6 | 34.2 | 32.4 | 31.0 | 29.5 | 28.1 | 26.9 | 26.1 | 26.2 | 27.3 | 29.1 |  |
| -160               | 45.4 | 44.7 | 43.6 | 42.2 | 40.9 | 39.2 | 37.2 | 35.2 | 33.4 | 31.9 | 30.5 | 29.1 | 27.8 | 26.7 | 26.1 | 26.3 | 27.4 | 29.1 |  |
| -150               | 41.6 | 40.9 | 39.8 | 38.7 | 37.6 | 36.4 | 34.9 | 33.5 | 32.2 | 31.0 | 29.7 | 28.5 | 27.3 | 26.5 | 26.1 | 26.4 | 27.5 | 29.1 |  |
| -140               | 35.6 | 35.5 | 35.2 | 34.9 | 34.4 | 33.7 | 32.7 | 31.7 | 30.8 | 29.8 | 28.6 | 27.6 | 26.8 | 26.2 | 26.1 | 26.6 | 27.6 | 29.1 |  |
| -130               | 32.3 | 32.3 | 32.2 | 31.9 | 31.6 | 31.1 | 30.6 | 29.9 | 29.0 | 28.2 | 27.4 | 26.7 | 26.3 | 26.1 | 26.3 | 26.9 | 27.9 | 29.1 |  |
| -120               | 29.4 | 29.3 | 29.2 | 28.9 | 28.6 | 28.3 | 28.0 | 27.7 | 27.2 | 26.8 | 26.4 | 26.2 | 26.1 | 26.3 | 26.7 | 27.3 | 28.1 | 29.1 |  |
| -110               | 25.6 | 25.7 | 25.8 | 25.9 | 26.0 | 26.1 | 26.1 | 26.2 | 26.2 | 26.2 | 26.2 | 26.3 | 26.5 | 26.8 | 27.3 | 27.8 | 28.4 | 29.1 |  |
| -100               | 25.0 | 25.1 | 25.3 | 25.5 | 25.7 | 26.0 | 26.2 | 26.5 | 26.8 | 27.0 | 27.2 | 27.4 | 27.6 | 27.9 | 28.1 | 28.4 | 28.8 | 29.1 |  |
| -90                | 27.2 | 27.5 | 27.8 | 28.1 | 28.4 | 28.7 | 29.0 | 29.3 | 29.6 | 29.6 | 29.5 | 29.4 | 29.4 | 29.3 | 29.3 | 29.2 | 29.1 | 29.1 |  |
| -80                | 57.2 | 57.3 | 56.7 | 55.4 | 53.4 | 51.3 | 48.8 | 46.1 | 43.1 | 39.9 | 37.1 | 34.8 | 33.1 | 31.9 | 30.9 | 30.1 | 29.6 | 29.1 |  |
| -70                | 192  | 189  | 184  | 177  | 167  | 155  | 142  | 129  | 115  | 99.0 | 80.9 | 64.4 | 50.9 | 41.2 | 35.1 | 31.8 | 30.0 | 29.1 |  |
| -60                | 624  | 686  | 709  | 675  | 587  | 479  | 359  | 247  | 220  | 197  | 164  | 128  | 93.1 | 64.0 | 44.9 | 34.9 | 30.7 | 29.1 |  |
| -50                | 2085 | 2107 | 2080 | 1942 | 1733 | 1596 | 1524 | 1294 | 762  | 436  | 289  | 223  | 157  | 101  | 61.2 | 39.8 | 31.5 | 29.1 |  |
| -40                | 2879 | 2813 | 2694 | 2550 | 2451 | 2431 | 2294 | 1829 | 1475 | 1134 | 615  | 355  | 242  | 149  | 82.7 | 45.9 | 32.5 | 29.1 |  |
| -30                | 2957 | 2907 | 2847 | 2770 | 2679 | 2544 | 2369 | 2166 | 1845 | 1395 | 1061 | 583  | 344  | 203  | 107  | 52.8 | 33.5 | 29.1 |  |
| -20                | 3019 | 2979 | 2925 | 2851 | 2732 | 2581 | 2395 | 2179 | 1928 | 1584 | 1191 | 804  | 450  | 259  | 129  | 59.1 | 34.3 | 29.1 |  |
| -10                | 3067 | 3030 | 2981 | 2894 | 2769 | 2599 | 2390 | 2150 | 1883 | 1583 | 1208 | 877  | 534  | 304  | 145  | 63.3 | 34.8 | 29.1 |  |
| 0                  | 3112 | 3067 | 2998 | 2896 | 2742 | 2547 | 2312 | 2048 | 1760 | 1448 | 1150 | 840  | 570  | 328  | 152  | 64.7 | 35.0 | 29.1 |  |
| 10                 | 3057 | 3017 | 2955 | 2862 | 2731 | 2558 | 2354 | 2121 | 1859 | 1504 | 1204 | 908  | 587  | 328  | 145  | 63.5 | 34.8 | 29.1 |  |
| 20                 | 2954 | 2912 | 2850 | 2760 | 2644 | 2501 | 2332 | 2126 | 1826 | 1462 | 1209 | 892  | 556  | 287  | 128  | 59.4 | 34.3 | 29.1 |  |
| 30                 | 2882 | 2823 | 2751 | 2661 | 2553 | 2443 | 2285 | 1995 | 1610 | 1399 | 1157 | 757  | 475  | 215  | 106  | 53.4 | 33.4 | 29.1 |  |
| 40                 | 2405 | 2376 | 2380 | 2383 | 2366 | 2206 | 1878 | 1669 | 1513 | 1286 | 869  | 585  | 315  | 147  | 82.7 | 46.8 | 32.2 | 29.1 |  |
| 50                 | 2130 | 2050 | 1912 | 1765 | 1685 | 1667 | 1654 | 1522 | 1127 | 812  | 578  | 318  | 153  | 100  | 62.3 | 40.5 | 31.0 | 29.1 |  |
| 60                 | 1245 | 1266 | 1258 | 1201 | 1100 | 962  | 839  | 745  | 579  | 340  | 181  | 124  | 91.9 | 65.5 | 46.5 | 35.0 | 29.9 | 29.1 |  |
| 70                 | 215  | 245  | 260  | 253  | 220  | 190  | 146  | 122  | 109  | 95.6 | 81.1 | 66.9 | 53.9 | 43.1 | 35.3 | 30.9 | 29.0 | 29.1 |  |
| 80                 | 80.4 | 78.0 | 75.1 | 71.5 | 67.5 | 63.1 | 58.4 | 53.4 | 48.2 | 43.4 | 38.9 | 35.0 | 32.0 | 29.9 | 28.5 | 28.1 | 28.4 | 29.1 |  |
| 90                 | 17.4 | 17.4 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 18.8 | 20.1 | 21.4 | 22.7 | 24.0 | 25.2 | 26.5 | 27.8 | 29.1 |  |
| 100                | 18.1 | 18.1 | 18.1 | 18.0 | 18.0 | 17.9 | 17.8 | 17.6 | 17.6 | 18.4 | 19.4 | 20.4 | 21.5 | 22.8 | 24.2 | 25.7 | 27.4 | 29.1 |  |
| 110                | 22.6 | 22.6 | 22.6 | 22.5 | 22.2 | 21.9 | 21.5 | 20.9 | 20.6 | 20.7 | 20.9 | 21.3 | 22.0 | 22.8 | 24.0 | 25.4 | 27.1 | 29.1 |  |
| 120                | 28.4 | 28.2 | 27.9 | 27.5 | 27.1 | 26.5 | 25.9 | 25.3 | 24.5 | 23.8 | 23.2 | 22.9 | 22.9 | 23.2 | 24.0 | 25.3 | 26.9 | 29.1 |  |
| 130                | 34.6 | 34.0 | 33.3 | 32.6 | 31.8 | 30.9 | 29.8 | 28.8 | 27.8 | 26.8 | 25.8 | 24.8 | 24.1 | 23.9 | 24.2 | 25.2 | 26.9 | 29.1 |  |
| 140                | 38.6 | 38.1 | 37.3 | 36.4 | 35.2 | 33.9 | 32.7 | 31.6 | 30.3 | 29.0 | 27.8 | 26.5 | 25.4 | 24.7 | 24.6 | 25.3 | 26.8 | 29.1 |  |
| 150                | 42.3 | 41.6 | 40.7 | 39.6 | 38.2 | 36.7 | 35.1 | 33.6 | 32.1 | 30.7 | 29.2 | 27.9 | 26.5 | 25.5 | 25.0 | 25.5 | 26.9 | 29.1 |  |
| 160                | 46.7 | 45.6 | 44.2 | 42.9 | 41.5 | 39.6 | 37.4 | 35.3 | 33.4 | 31.9 | 30.3 | 28.8 | 27.4 | 26.2 | 25.4 | 25.7 | 26.9 | 29.1 |  |
| 170                | 48.5 | 47.1 | 46.7 | 45.5 | 44.0 | 42.1 | 39.4 | 36.7 | 34.3 | 32.5 | 30.9 | 29.4 | 27.9 | 26.6 | 25.8 | 25.9 | 27.1 | 29.1 |  |
| 180                | 50.7 | 50.0 | 48.9 | 47.3 | 45.4 | 43.4 | 40.3 | 37.2 | 34.5 | 32.5 | 31.1 | 29.6 | 28.1 | 26.9 | 26.1 | 26.2 | 27.3 | 29.1 |  |

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2025-07-30

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