

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

|                                    |                        |
|------------------------------------|------------------------|
| Maximum Intensity                  | 527.5 cd per klm.      |
| (Luminaire orientation as tested.) | 0.0 degrees vertical   |
|                                    | 2.0 degrees horizontal |

|             |                |                 |
|-------------|----------------|-----------------|
| Beam Spread | At 10% of Imax | 104.4V x 104.4H |
|             | At 50% of Imax | 91.0V x 91.4H   |
|             | At 90% of Imax | 62.9V x 64.9H   |

|           |                |                        |
|-----------|----------------|------------------------|
| Beam Flux | Total          | 1000.1 lumens per klm. |
|           | To 10% of Imax | 933.3 lumens per klm.  |
|           | To 50% of Imax | 855.9 lumens per klm.  |
|           | To 90% of Imax | 484.2 lumens per klm.  |

|              |        |
|--------------|--------|
| Upward LOR   | 2.2 %  |
| Downward LOR | 97.8 % |

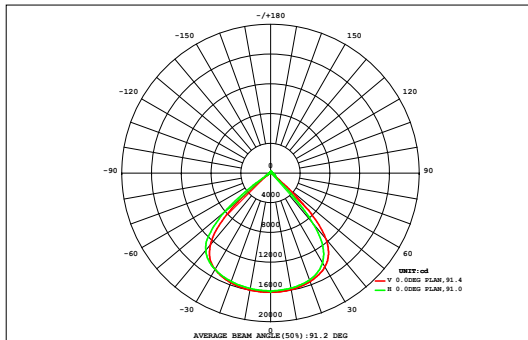
|                                           |         |
|-------------------------------------------|---------|
| Luminaire Efficiency (Light Output Ratio) | 100.0 % |
|-------------------------------------------|---------|

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Jason  
Test Date: 2024-12-02

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:218.43V I:0.9183A P:197.15W PF:0.9828 Freq:49.99Hz Lamp Flux:30401.1x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                   | SUR.: | Shielding Angle: |



| DATA OF LAMP     |         | Eff:154.20lm/W  |          |
|------------------|---------|-----------------|----------|
| MODEL            |         | Imax(cd)        | 16036    |
| NOMINAL POWER(W) | 200     | AVAILABILITY(%) | 93.4     |
| RATED VOLTAGE(V) | 220     | Avai. FLUX(lm)  | 28396    |
| NOMINAL FLUX(lm) | 30401.1 | LOR(%)          | 100.0    |
| LAMPS INSIDE     | 1       | TOTAL FLUX(lm)  | 30401    |
| TEST VOLTAGE(V)  | 220     | θ @50% (H,V)    | 91,91DEG |

| VERTICAL (DEG)                                                           | AREA FLUX DIAGRAM |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | UNIT:lm |      | Φ t   | Φ a   |
|--------------------------------------------------------------------------|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------|------|-------|-------|
|                                                                          | 0.15              | 0.46 | 0.80 | 1.17 | 1.59 | 2.03 | 2.45 | 2.81 | 3.07 | 3.15 | 3.06 | 2.83 | 2.49 | 2.07 | 1.62 | 1.15 | 0.69    | 0.23 | 31.8  | 0.00  |
| 90                                                                       | 0.15              | 0.51 | 1.06 | 1.92 | 3.04 | 4.31 | 5.57 | 6.65 | 7.39 | 7.56 | 7.12 | 6.27 | 5.13 | 3.87 | 2.64 | 1.60 | 0.82    | 0.24 | 65.9  | 0.00  |
| 80                                                                       | 0.16              | 0.62 | 1.60 | 3.23 | 5.39 | 8.02 | 10.9 | 13.6 | 15.6 | 15.9 | 14.5 | 12.2 | 9.40 | 6.64 | 4.23 | 2.31 | 1.01    | 0.26 | 126   | 0.00  |
| 70                                                                       | 0.16              | 0.78 | 2.28 | 4.75 | 8.48 | 14.2 | 29.5 | 62.0 | 94.8 | 95.9 | 64.3 | 31.7 | 16.4 | 10.4 | 6.20 | 3.18 | 1.24    | 0.28 | 447   | 291   |
| 60                                                                       | 0.17              | 0.97 | 2.95 | 6.50 | 14.4 | 56.7 | 161  | 267  | 330  | 334  | 280  | 176  | 64.1 | 17.2 | 8.50 | 4.09 | 1.51    | 0.30 | 1726  | 1650  |
| 50                                                                       | 0.18              | 1.15 | 3.56 | 8.62 | 39.8 | 170  | 318  | 397  | 432  | 434  | 404  | 334  | 196  | 48.4 | 11.2 | 5.00 | 1.75    | 0.32 | 2805  | 2752  |
| 40                                                                       | 0.19              | 1.30 | 4.09 | 12.3 | 89.0 | 272  | 384  | 438  | 461  | 462  | 441  | 393  | 295  | 114  | 15.8 | 5.81 | 1.96    | 0.33 | 3391  | 3347  |
| 30                                                                       | 0.20              | 1.39 | 4.45 | 16.3 | 138  | 319  | 408  | 454  | 474  | 475  | 456  | 414  | 335  | 171  | 22.7 | 6.41 | 2.11    | 0.35 | 3698  | 3658  |
| 20                                                                       | 0.20              | 1.42 | 4.58 | 17.3 | 162  | 334  | 416  | 461  | 481  | 482  | 464  | 423  | 349  | 197  | 27.3 | 6.72 | 2.20    | 0.35 | 3829  | 3789  |
| 10                                                                       | 0.20              | 1.42 | 4.53 | 15.3 | 153  | 329  | 414  | 461  | 481  | 481  | 463  | 421  | 344  | 188  | 25.3 | 6.67 | 2.19    | 0.35 | 3792  | 3753  |
| 0                                                                        | 0.20              | 1.36 | 4.31 | 12.2 | 112  | 299  | 399  | 450  | 471  | 472  | 452  | 406  | 316  | 145  | 18.6 | 6.27 | 2.09    | 0.35 | 3568  | 3526  |
| -10                                                                      | 0.19              | 1.26 | 3.91 | 9.55 | 53.4 | 221  | 355  | 420  | 446  | 447  | 424  | 364  | 243  | 77.9 | 13.1 | 5.63 | 1.92    | 0.33 | 3087  | 3037  |
| -20                                                                      | 0.18              | 1.11 | 3.37 | 7.60 | 18.4 | 88.8 | 224  | 322  | 363  | 365  | 329  | 240  | 115  | 27.0 | 10.2 | 4.81 | 1.70    | 0.32 | 2123  | 2054  |
| -30                                                                      | 0.17              | 0.92 | 2.77 | 5.85 | 10.7 | 20.2 | 51.0 | 99.3 | 127  | 131  | 112  | 66.5 | 27.6 | 13.5 | 7.86 | 3.90 | 1.45    | 0.30 | 682   | 539   |
| -40                                                                      | 0.16              | 0.73 | 2.10 | 4.30 | 7.31 | 11.1 | 15.1 | 18.9 | 21.1 | 22.3 | 21.3 | 17.4 | 13.2 | 9.27 | 5.75 | 2.99 | 1.19    | 0.28 | 174   | 0.00  |
| -50                                                                      | 0.16              | 0.59 | 1.43 | 2.84 | 4.68 | 6.77 | 8.84 | 10.6 | 11.6 | 11.9 | 11.4 | 10.1 | 8.15 | 5.94 | 3.85 | 2.15 | 0.97    | 0.26 | 102   | 0.00  |
| -60                                                                      | 0.15              | 0.50 | 0.98 | 1.65 | 2.52 | 3.47 | 4.40 | 5.15 | 5.60 | 5.77 | 5.63 | 5.10 | 4.29 | 3.35 | 2.38 | 1.52 | 0.81    | 0.24 | 53.5  | 0.00  |
| -70                                                                      | 0.15              | 0.47 | 0.80 | 1.16 | 1.52 | 1.87 | 2.18 | 2.43 | 2.59 | 2.68 | 2.68 | 2.56 | 2.33 | 2.00 | 1.60 | 1.16 | 0.70    | 0.23 | 29.1  | 0.00  |
| -80                                                                      | 0.15              | 0.47 | 0.80 | 1.16 | 1.52 | 1.87 | 2.18 | 2.43 | 2.59 | 2.68 | 2.68 | 2.56 | 2.33 | 2.00 | 1.60 | 1.16 | 0.70    | 0.23 | 29.1  | 0.00  |
| -90                                                                      | 0.15              | 0.47 | 0.80 | 1.16 | 1.52 | 1.87 | 2.18 | 2.43 | 2.59 | 2.68 | 2.68 | 2.56 | 2.33 | 2.00 | 1.60 | 1.16 | 0.70    | 0.23 | 29.1  | 0.00  |
| -90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL (DEG) 20 30 40 50 60 70 80 90 |                   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |         |      |       |       |
| Φ t                                                                      | 3.13              | 17.0 | 49.6 | 133  | 825  | 2162 | 3209 | 3891 | 4229 | 4249 | 3956 | 3327 | 2346 | 1043 | 189  | 71.4 | 26.3    | 5.31 | 29730 | ---   |
| Φ a                                                                      | 0.00              | 0.00 | 0.00 | 10.6 | 725  | 2076 | 3125 | 3807 | 4143 | 4162 | 3871 | 3239 | 2253 | 937  | 47.0 | 0.00 | 0.00    | 0.00 | ---   | 28396 |

one-half-peak spread: U:41.0,D:50.1 , L:46.8,R:44.8

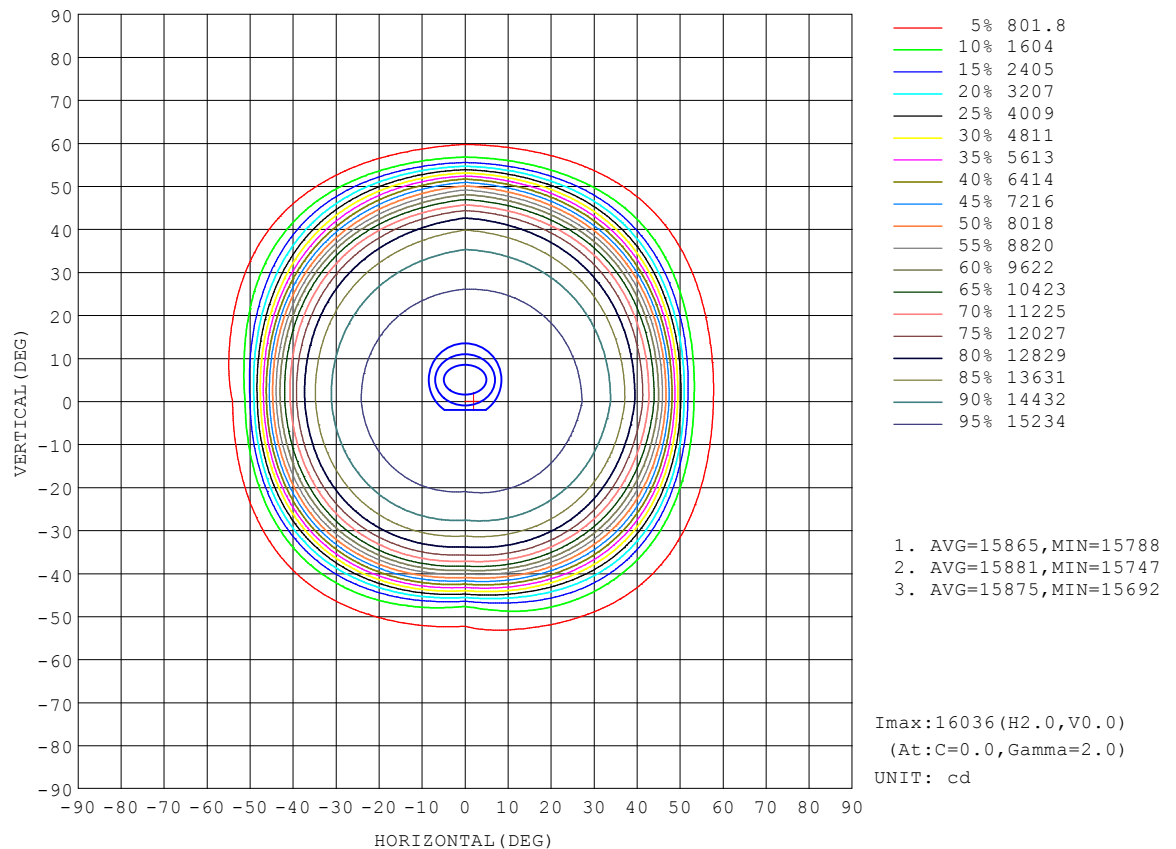
NEMA Beam Type: Type 6

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2024-12-02

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:218.43V I:0.9183A P:197.15W PF:0.9828 Freq:49.99Hz Lamp Flux:30401.1x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                   | SUR.: | Shielding Angle: |

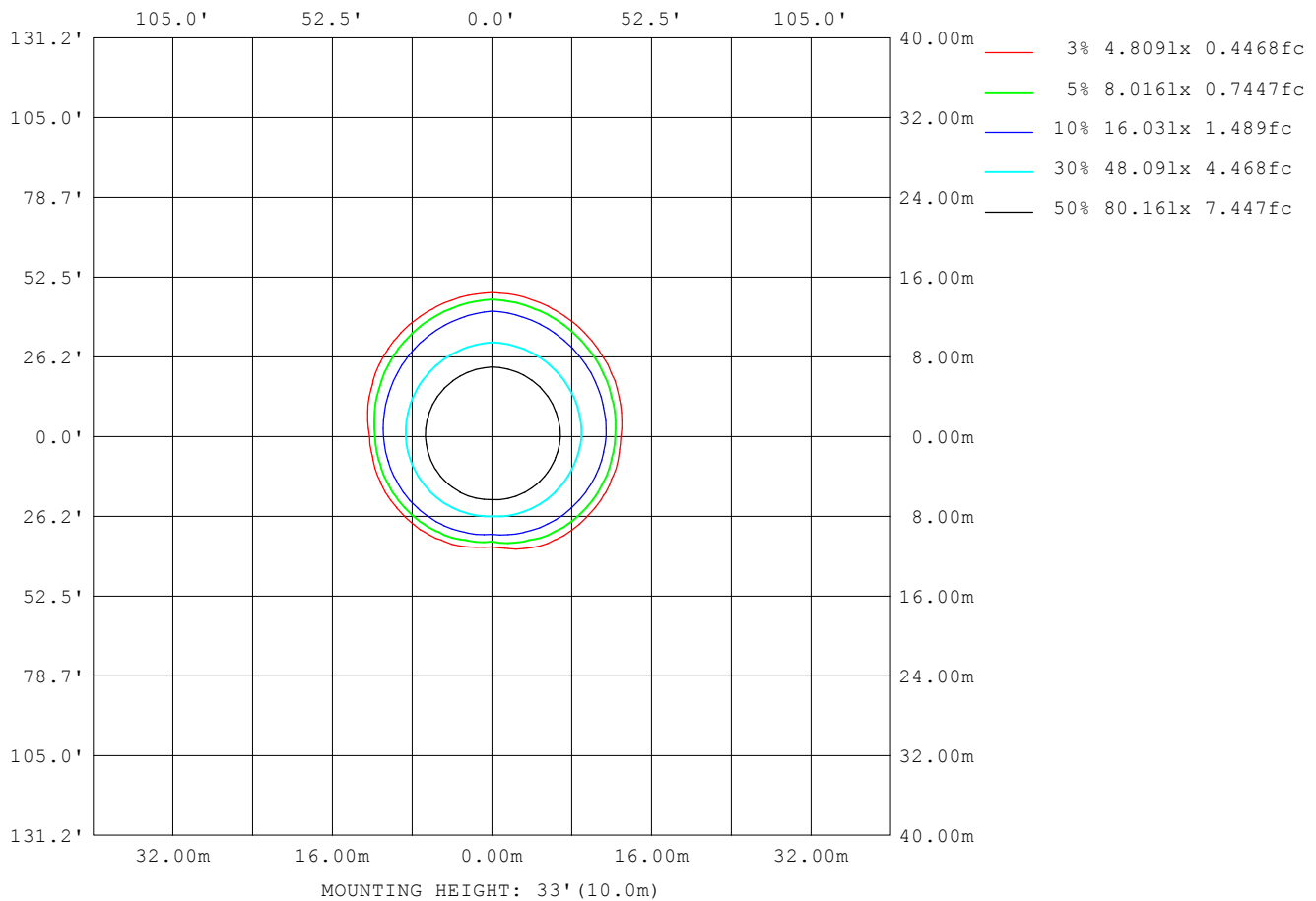


C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2024-12-02

$\gamma$  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

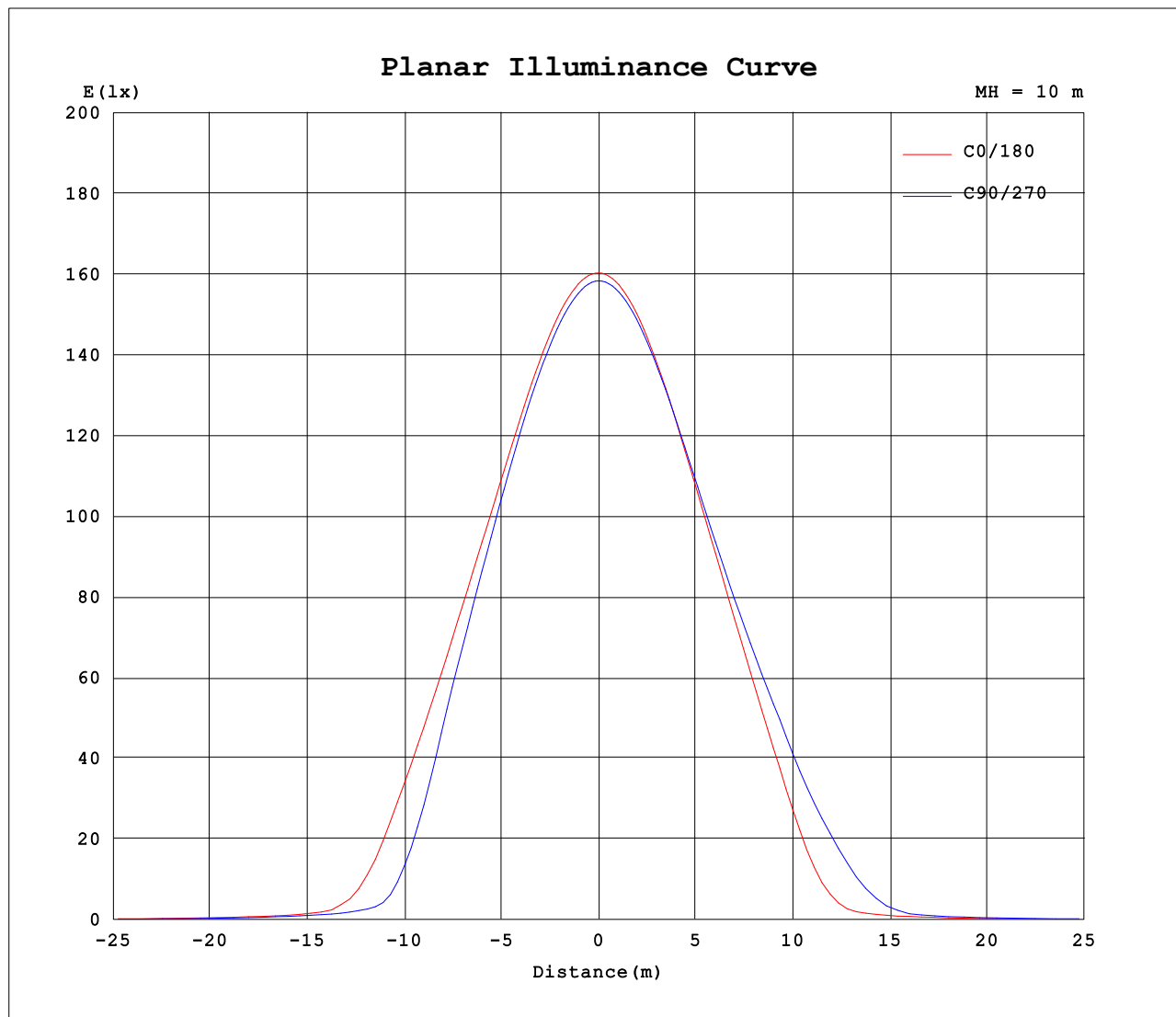
|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:218.43V I:0.9183A P:197.15W PF:0.9828 Freq:49.99Hz Lamp Flux:30401.1x1 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:2024-12-02

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

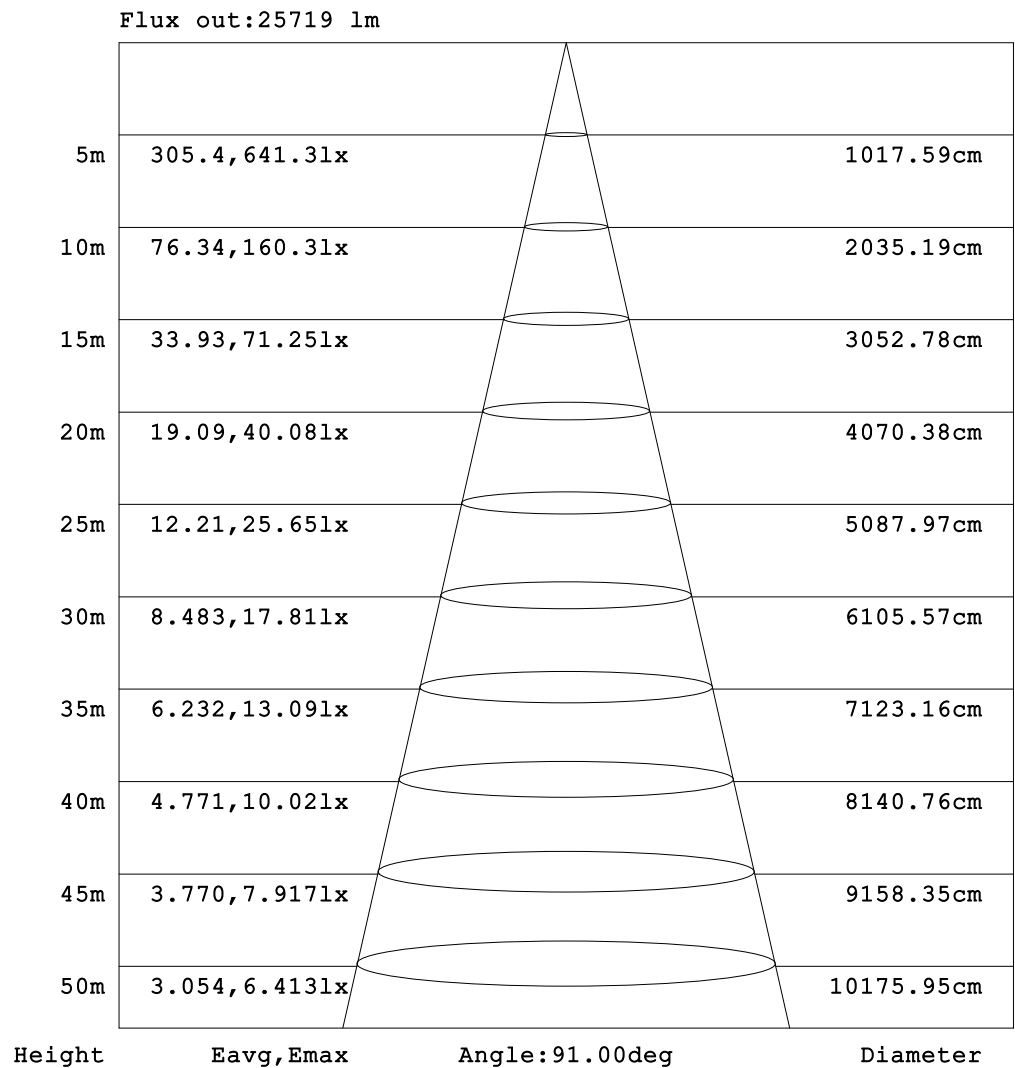


C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Jason  
Test Date: 2024-12-02

$\gamma$  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:218.43V I:0.9183A P:197.15W PF:0.9828 Freq:49.99Hz Lamp Flux:30401.1x1 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:2024-12-02

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:218.43V I:0.9183A P:197.15W PF:0.9828 Freq:49.99Hz Lamp Flux:30401.1x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                   | SUR.: | Shielding Angle: |

Table--1

UNIT: ×10cd

| 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               | 5.36 | 5.51 | 6.20  | 7.00 | 7.86 | 8.75 | 9.60 | 10.6 | 12.0 | 13.5 | 14.6 | 15.5 | 16.5 | 17.8 | 19.5 | 21.1 | 22.0 | 22.5 | 22.5 |
| -170               | 5.36 | 5.51 | 6.19  | 6.98 | 7.82 | 8.70 | 9.55 | 10.5 | 11.8 | 13.2 | 14.3 | 15.2 | 16.3 | 17.5 | 18.8 | 20.2 | 21.2 | 21.7 | 21.8 |
| -160               | 5.36 | 5.50 | 6.13  | 6.88 | 7.68 | 8.50 | 9.33 | 10.2 | 11.3 | 12.5 | 13.6 | 14.5 | 15.3 | 16.3 | 17.4 | 18.3 | 19.1 | 19.6 | 19.8 |
| -150               | 5.36 | 5.47 | 6.03  | 6.70 | 7.43 | 8.18 | 8.93 | 9.68 | 10.5 | 11.5 | 12.5 | 13.4 | 14.0 | 14.7 | 15.3 | 16.0 | 16.5 | 17.0 | 17.2 |
| -140               | 5.36 | 5.42 | 5.91  | 6.48 | 7.10 | 7.74 | 8.40 | 9.04 | 9.68 | 10.3 | 11.1 | 11.8 | 12.5 | 13.0 | 13.4 | 13.7 | 13.9 | 14.0 | 14.0 |
| -130               | 5.36 | 5.37 | 5.76  | 6.21 | 6.70 | 7.22 | 7.75 | 8.27 | 8.78 | 9.28 | 9.77 | 10.2 | 10.7 | 11.1 | 11.5 | 11.8 | 12.0 | 12.2 | 12.2 |
| -120               | 5.36 | 5.34 | 5.62  | 5.94 | 6.29 | 6.66 | 7.05 | 7.43 | 7.80 | 8.16 | 8.50 | 8.82 | 9.12 | 9.39 | 9.62 | 9.82 | 9.97 | 10.1 | 10.1 |
| -110               | 5.36 | 5.34 | 5.48  | 5.69 | 5.90 | 6.13 | 6.36 | 6.59 | 6.82 | 7.05 | 7.26 | 7.47 | 7.65 | 7.81 | 7.94 | 8.06 | 8.14 | 8.21 | 8.24 |
| -100               | 5.36 | 5.42 | 5.44  | 5.52 | 5.64 | 5.76 | 5.87 | 5.98 | 6.08 | 6.17 | 6.27 | 6.35 | 6.44 | 6.51 | 6.58 | 6.64 | 6.69 | 6.73 | 6.77 |
| -90                | 5.36 | 5.47 | 5.58  | 5.68 | 5.79 | 5.89 | 6.00 | 6.11 | 6.21 | 6.32 | 6.42 | 6.53 | 6.64 | 6.74 | 6.85 | 6.95 | 7.06 | 7.16 | 7.27 |
| -80                | 5.36 | 5.59 | 5.87  | 6.10 | 6.33 | 6.58 | 6.87 | 7.34 | 7.85 | 8.34 | 8.84 | 9.30 | 9.73 | 10.1 | 10.5 | 10.8 | 11.0 | 11.1 | 11.2 |
| -70                | 5.36 | 5.75 | 6.10  | 6.56 | 7.57 | 8.89 | 10.3 | 12.2 | 14.2 | 16.1 | 18.0 | 19.9 | 21.8 | 23.5 | 24.9 | 26.1 | 27.0 | 27.6 | 28.0 |
| -60                | 5.36 | 5.86 | 6.39  | 7.98 | 10.2 | 13.3 | 16.8 | 20.2 | 23.9 | 27.4 | 31.0 | 34.7 | 38.4 | 41.7 | 44.8 | 47.4 | 49.4 | 50.7 | 51.3 |
| -50                | 5.36 | 5.94 | 7.11  | 9.86 | 14.0 | 18.7 | 23.5 | 28.5 | 34.4 | 40.7 | 47.9 | 55.0 | 62.6 | 72.1 | 82.5 | 96.5 | 107  | 108  | 101  |
| -40                | 5.36 | 6.02 | 8.03  | 12.1 | 17.7 | 23.4 | 29.8 | 37.8 | 47.3 | 58.3 | 76.2 | 128  | 250  | 430  | 614  | 753  | 846  | 892  | 894  |
| -30                | 5.36 | 6.10 | 8.89  | 14.4 | 20.7 | 27.6 | 36.4 | 47.8 | 62.7 | 103  | 299  | 636  | 930  | 1138 | 1263 | 1335 | 1375 | 1394 | 1396 |
| -20                | 5.36 | 6.17 | 9.57  | 16.1 | 22.9 | 31.1 | 42.1 | 57.3 | 93.5 | 341  | 779  | 1104 | 1297 | 1402 | 1462 | 1499 | 1520 | 1530 | 1530 |
| -10                | 5.36 | 6.20 | 10.00 | 17.1 | 24.3 | 33.4 | 46.4 | 66.4 | 179  | 636  | 1061 | 1297 | 1421 | 1489 | 1531 | 1556 | 1570 | 1575 | 1571 |
| 0                  | 5.36 | 6.20 | 10.1  | 17.4 | 24.6 | 34.1 | 47.7 | 71.2 | 239  | 772  | 1160 | 1357 | 1460 | 1516 | 1554 | 1577 | 1593 | 1601 | 1603 |
| 10                 | 5.36 | 6.21 | 10.1  | 17.3 | 24.6 | 34.1 | 47.9 | 79.3 | 238  | 725  | 1131 | 1337 | 1445 | 1503 | 1539 | 1562 | 1574 | 1579 | 1576 |
| 20                 | 5.36 | 6.19 | 9.75  | 16.5 | 23.5 | 32.3 | 44.4 | 68.0 | 170  | 510  | 961  | 1232 | 1375 | 1453 | 1498 | 1525 | 1541 | 1549 | 1552 |
| 30                 | 5.36 | 6.13 | 9.13  | 14.9 | 21.5 | 29.0 | 39.0 | 53.2 | 94.5 | 249  | 574  | 943  | 1187 | 1322 | 1400 | 1447 | 1474 | 1489 | 1497 |
| 40                 | 5.36 | 6.04 | 8.28  | 12.7 | 18.7 | 24.8 | 32.2 | 41.8 | 54.9 | 87.3 | 204  | 415  | 679  | 923  | 1109 | 1224 | 1293 | 1334 | 1358 |
| 50                 | 5.36 | 5.96 | 7.32  | 10.5 | 15.0 | 20.1 | 25.3 | 31.5 | 38.9 | 47.6 | 59.2 | 76.9 | 137  | 253  | 391  | 536  | 658  | 749  | 807  |
| 60                 | 5.36 | 5.86 | 6.53  | 8.46 | 11.2 | 14.7 | 18.7 | 22.5 | 26.7 | 31.3 | 36.3 | 41.7 | 47.3 | 52.9 | 58.6 | 64.7 | 70.4 | 74.9 | 77.7 |
| 70                 | 5.36 | 5.73 | 6.15  | 6.79 | 8.13 | 9.94 | 11.9 | 14.2 | 16.7 | 19.1 | 21.4 | 23.7 | 26.0 | 28.2 | 30.3 | 32.1 | 33.7 | 35.0 | 35.9 |
| 80                 | 5.36 | 5.55 | 5.83  | 6.11 | 6.43 | 6.83 | 7.34 | 8.06 | 8.90 | 9.80 | 10.8 | 11.7 | 12.5 | 13.4 | 14.1 | 14.8 | 15.4 | 15.9 | 16.3 |
| 90                 | 5.36 | 5.41 | 5.46  | 5.51 | 5.56 | 5.61 | 5.65 | 5.70 | 5.75 | 5.80 | 5.85 | 5.90 | 5.95 | 5.99 | 6.04 | 6.09 | 6.14 | 6.19 | 6.24 |
| 100                | 5.36 | 5.35 | 5.31  | 5.32 | 5.36 | 5.40 | 5.37 | 5.42 | 5.47 | 5.52 | 5.56 | 5.60 | 5.62 | 5.64 | 5.65 | 5.65 | 5.64 | 5.62 | 5.59 |
| 110                | 5.36 | 5.28 | 5.34  | 5.45 | 5.62 | 5.80 | 5.99 | 6.16 | 6.33 | 6.49 | 6.63 | 6.75 | 6.85 | 6.93 | 7.00 | 7.04 | 7.05 | 7.04 | 7.01 |
| 120                | 5.36 | 5.27 | 5.47  | 5.75 | 6.06 | 6.38 | 6.70 | 7.00 | 7.31 | 7.60 | 7.87 | 8.11 | 8.32 | 8.49 | 8.62 | 8.71 | 8.76 | 8.77 | 8.74 |
| 130                | 5.36 | 5.32 | 5.64  | 6.06 | 6.51 | 6.96 | 7.42 | 7.88 | 8.32 | 8.74 | 9.11 | 9.46 | 9.77 | 10.1 | 10.3 | 10.5 | 10.6 | 10.7 | 10.6 |
| 140                | 5.36 | 5.38 | 5.81  | 6.35 | 6.92 | 7.51 | 8.11 | 8.70 | 9.25 | 9.79 | 10.4 | 11.1 | 11.7 | 12.4 | 12.9 | 13.2 | 13.5 | 13.5 | 13.5 |
| 150                | 5.36 | 5.43 | 5.97  | 6.61 | 7.29 | 8.00 | 8.70 | 9.38 | 10.1 | 11.0 | 12.0 | 13.0 | 13.8 | 14.4 | 14.8 | 15.2 | 15.4 | 15.5 | 15.5 |
| 160                | 5.36 | 5.47 | 6.09  | 6.81 | 7.58 | 8.38 | 9.16 | 9.94 | 11.0 | 12.2 | 13.4 | 14.3 | 15.1 | 15.8 | 16.5 | 17.2 | 17.8 | 18.1 | 18.0 |
| 170                | 5.36 | 5.50 | 6.17  | 6.94 | 7.77 | 8.63 | 9.46 | 10.4 | 11.7 | 13.1 | 14.2 | 15.1 | 16.0 | 17.1 | 18.3 | 19.6 | 20.6 | 21.2 | 21.2 |
| 180                | 5.36 | 5.51 | 6.20  | 7.00 | 7.86 | 8.75 | 9.60 | 10.6 | 12.0 | 13.5 | 14.6 | 15.5 | 16.5 | 17.8 | 19.5 | 21.1 | 22.0 | 22.5 | 22.2 |

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2024-12-02

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:218.43V I:0.9183A P:197.15W PF:0.9828 Freq:49.99Hz Lamp Flux:30401.1x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                   | SUR.: | Shielding Angle: |

Table--2

UNIT: ×10cd

| H (DEG)<br>V (DEG) | 5    | 10   | 15   | 20   | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   | 85   | 90   |  |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| -180               | 21.8 | 20.9 | 19.9 | 18.7 | 17.4 | 16.1 | 14.4 | 13.1 | 12.1 | 11.2 | 10.1 | 9.19 | 8.31 | 7.54 | 6.92 | 6.70 | 7.26 | 8.46 |  |
| -170               | 21.4 | 20.6 | 19.6 | 18.4 | 17.2 | 15.8 | 14.2 | 13.0 | 12.1 | 11.1 | 10.1 | 9.16 | 8.29 | 7.53 | 6.91 | 6.71 | 7.27 | 8.46 |  |
| -160               | 19.5 | 18.9 | 18.1 | 17.2 | 16.0 | 14.6 | 13.4 | 12.5 | 11.7 | 10.8 | 9.83 | 8.95 | 8.13 | 7.42 | 6.86 | 6.73 | 7.30 | 8.46 |  |
| -150               | 16.9 | 16.4 | 15.7 | 14.9 | 14.0 | 13.2 | 12.5 | 11.8 | 11.0 | 10.2 | 9.36 | 8.57 | 7.86 | 7.25 | 6.78 | 6.78 | 7.35 | 8.46 |  |
| -140               | 13.9 | 13.6 | 13.3 | 13.0 | 12.5 | 12.0 | 11.4 | 10.8 | 10.1 | 9.40 | 8.72 | 8.09 | 7.51 | 7.02 | 6.72 | 6.87 | 7.43 | 8.46 |  |
| -130               | 12.1 | 11.9 | 11.7 | 11.3 | 10.9 | 10.5 | 10.0 | 9.54 | 9.02 | 8.51 | 8.01 | 7.55 | 7.13 | 6.79 | 6.73 | 7.01 | 7.54 | 8.46 |  |
| -120               | 10.1 | 9.92 | 9.74 | 9.51 | 9.25 | 8.95 | 8.64 | 8.31 | 7.97 | 7.64 | 7.31 | 7.01 | 6.78 | 6.72 | 6.87 | 7.20 | 7.68 | 8.46 |  |
| -110               | 8.19 | 8.11 | 8.00 | 7.88 | 7.73 | 7.58 | 7.40 | 7.22 | 7.04 | 6.88 | 6.77 | 6.73 | 6.77 | 6.91 | 7.14 | 7.46 | 7.83 | 8.46 |  |
| -100               | 6.76 | 6.75 | 6.74 | 6.72 | 6.71 | 6.70 | 6.71 | 6.73 | 6.77 | 6.84 | 6.93 | 7.04 | 7.20 | 7.37 | 7.56 | 7.78 | 8.04 | 8.46 |  |
| -90                | 7.34 | 7.40 | 7.47 | 7.54 | 7.60 | 7.67 | 7.73 | 7.80 | 7.87 | 7.93 | 8.00 | 8.06 | 8.13 | 8.20 | 8.26 | 8.33 | 8.39 | 8.46 |  |
| -80                | 11.6 | 11.8 | 12.0 | 12.0 | 12.0 | 11.9 | 11.8 | 11.6 | 11.4 | 11.2 | 10.8 | 10.4 | 10.0 | 9.68 | 9.39 | 9.10 | 8.82 | 8.46 |  |
| -70                | 28.4 | 28.5 | 28.3 | 27.8 | 26.8 | 25.6 | 24.0 | 22.3 | 20.7 | 19.1 | 17.3 | 15.3 | 13.6 | 12.3 | 11.1 | 9.94 | 9.19 | 8.46 |  |
| -60                | 52.0 | 52.0 | 51.2 | 49.6 | 47.5 | 44.9 | 41.9 | 38.5 | 34.8 | 31.1 | 27.0 | 23.1 | 19.7 | 16.1 | 13.2 | 11.2 | 9.57 | 8.46 |  |
| -50                | 121  | 129  | 122  | 106  | 84.9 | 75.0 | 66.0 | 58.5 | 51.6 | 45.0 | 38.5 | 32.3 | 26.2 | 21.1 | 16.1 | 12.5 | 9.96 | 8.46 |  |
| -40                | 901  | 866  | 787  | 668  | 513  | 350  | 201  | 98.8 | 75.1 | 61.1 | 50.7 | 41.7 | 33.4 | 25.7 | 19.4 | 13.8 | 10.4 | 8.46 |  |
| -30                | 1398 | 1385 | 1351 | 1290 | 1178 | 996  | 748  | 440  | 173  | 85.3 | 63.8 | 50.8 | 39.8 | 30.3 | 22.2 | 15.1 | 10.8 | 8.46 |  |
| -20                | 1532 | 1526 | 1509 | 1478 | 1428 | 1341 | 1173 | 904  | 510  | 162  | 79.2 | 58.9 | 45.6 | 34.0 | 24.4 | 16.3 | 11.2 | 8.46 |  |
| -10                | 1576 | 1575 | 1565 | 1545 | 1511 | 1457 | 1357 | 1162 | 820  | 319  | 95.5 | 65.2 | 49.4 | 36.6 | 25.9 | 17.2 | 11.4 | 8.46 |  |
| 0                  | 1602 | 1597 | 1587 | 1569 | 1540 | 1496 | 1421 | 1262 | 960  | 419  | 104  | 68.2 | 51.2 | 37.7 | 26.6 | 17.5 | 11.5 | 8.46 |  |
| 10                 | 1581 | 1579 | 1570 | 1553 | 1525 | 1480 | 1397 | 1232 | 909  | 378  | 108  | 66.7 | 50.1 | 36.9 | 26.1 | 17.3 | 11.4 | 8.46 |  |
| 20                 | 1552 | 1547 | 1535 | 1514 | 1480 | 1419 | 1301 | 1086 | 679  | 238  | 89.9 | 61.2 | 46.7 | 34.6 | 24.7 | 16.5 | 11.2 | 8.46 |  |
| 30                 | 1493 | 1483 | 1463 | 1427 | 1361 | 1253 | 1054 | 714  | 319  | 117  | 69.2 | 53.3 | 41.2 | 31.0 | 22.7 | 15.3 | 10.8 | 8.46 |  |
| 40                 | 1343 | 1313 | 1258 | 1164 | 1007 | 778  | 488  | 226  | 104  | 68.7 | 54.8 | 44.1 | 34.7 | 26.7 | 20.0 | 14.0 | 10.4 | 8.46 |  |
| 50                 | 761  | 680  | 562  | 415  | 266  | 149  | 87.8 | 69.9 | 58.4 | 49.6 | 41.5 | 34.2 | 27.7 | 22.1 | 16.7 | 12.7 | 9.98 | 8.46 |  |
| 60                 | 76.2 | 73.0 | 68.4 | 63.4 | 58.7 | 53.9 | 48.9 | 43.9 | 38.7 | 33.9 | 29.3 | 25.0 | 21.1 | 17.0 | 13.7 | 11.3 | 9.57 | 8.46 |  |
| 70                 | 35.8 | 35.3 | 34.4 | 33.1 | 31.6 | 29.8 | 27.8 | 25.8 | 23.7 | 21.6 | 19.3 | 16.9 | 14.7 | 12.9 | 11.3 | 9.99 | 9.17 | 8.46 |  |
| 80                 | 16.3 | 16.2 | 16.0 | 15.7 | 15.3 | 14.8 | 14.2 | 13.5 | 12.9 | 12.2 | 11.6 | 10.9 | 10.3 | 9.78 | 9.39 | 9.06 | 8.78 | 8.46 |  |
| 90                 | 6.36 | 6.48 | 6.61 | 6.73 | 6.85 | 6.98 | 7.10 | 7.23 | 7.35 | 7.47 | 7.60 | 7.72 | 7.84 | 7.97 | 8.09 | 8.21 | 8.34 | 8.46 |  |
| 100                | 5.65 | 5.70 | 5.75 | 5.79 | 5.84 | 5.89 | 5.95 | 6.02 | 6.12 | 6.23 | 6.37 | 6.55 | 6.83 | 7.09 | 7.35 | 7.64 | 7.97 | 8.46 |  |
| 110                | 7.02 | 7.02 | 6.98 | 6.93 | 6.86 | 6.78 | 6.68 | 6.58 | 6.48 | 6.39 | 6.34 | 6.35 | 6.44 | 6.63 | 6.91 | 7.32 | 7.77 | 8.46 |  |
| 120                | 8.75 | 8.71 | 8.63 | 8.51 | 8.35 | 8.15 | 7.92 | 7.67 | 7.41 | 7.14 | 6.89 | 6.67 | 6.50 | 6.49 | 6.68 | 7.05 | 7.61 | 8.46 |  |
| 130                | 10.6 | 10.5 | 10.4 | 10.1 | 9.90 | 9.60 | 9.27 | 8.89 | 8.48 | 8.05 | 7.62 | 7.22 | 6.86 | 6.59 | 6.57 | 6.89 | 7.49 | 8.46 |  |
| 140                | 13.4 | 13.2 | 12.9 | 12.4 | 11.9 | 11.3 | 10.7 | 10.1 | 9.53 | 8.96 | 8.37 | 7.81 | 7.28 | 6.84 | 6.59 | 6.77 | 7.39 | 8.46 |  |
| 150                | 15.5 | 15.3 | 14.9 | 14.4 | 13.7 | 13.0 | 12.2 | 11.3 | 10.5 | 9.78 | 9.06 | 8.34 | 7.68 | 7.11 | 6.68 | 6.71 | 7.32 | 8.46 |  |
| 160                | 17.9 | 17.6 | 17.0 | 16.3 | 15.4 | 14.3 | 13.3 | 12.3 | 11.4 | 10.5 | 9.61 | 8.78 | 8.01 | 7.32 | 6.79 | 6.69 | 7.27 | 8.46 |  |
| 170                | 20.9 | 20.0 | 19.0 | 17.9 | 16.7 | 15.5 | 14.1 | 12.9 | 12.0 | 11.0 | 9.98 | 9.07 | 8.22 | 7.48 | 6.88 | 6.69 | 7.25 | 8.46 |  |
| 180                | 21.8 | 20.9 | 19.9 | 18.7 | 17.4 | 16.1 | 14.4 | 13.1 | 12.1 | 11.2 | 10.1 | 9.19 | 8.31 | 7.54 | 6.92 | 6.70 | 7.26 | 8.46 |  |

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2024-12-02

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: