

# Floodlight Summary:

Report based on lamp delivering 1000 lumens.

|                                    |                         |
|------------------------------------|-------------------------|
| Maximum Intensity                  | 1001.4 cd per klm.      |
| (Luminaire orientation as tested.) | 0.0 degrees vertical    |
|                                    | 10.0 degrees horizontal |

|             |                |               |
|-------------|----------------|---------------|
| Beam Spread | At 10% of Imax | 71.3V x 90.1H |
|             | At 50% of Imax | 49.8V x 65.8H |
|             | At 90% of Imax | 14.9V x 43.1H |

|           |                |                       |
|-----------|----------------|-----------------------|
| Beam Flux | Total          | 872.8 lumens per klm. |
|           | To 10% of Imax | 826.4 lumens per klm. |
|           | To 50% of Imax | 606.1 lumens per klm. |
|           | To 90% of Imax | 149.4 lumens per klm. |

|              |        |
|--------------|--------|
| Upward LOR   | 0.0 %  |
| Downward LOR | 87.3 % |

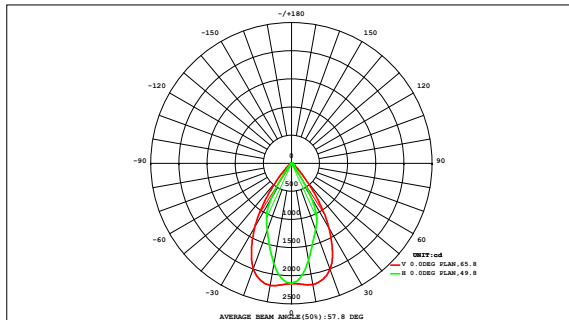
|   |        |
|---|--------|
| Luminaire Efficiency (Light Output Ratio) | 87.2 % |
|---|--------|

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators:  
Test Date: 26 August 2022

γ Range: 0 - 90DEG  
γ Interval: 2.5DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
Humidity: 65.0%  
Test Distance: 6.265m [K=1.0000]  
Remarks:

## LUMINAIRE PHOTOMETRIC TEST REPORT

|                             |                      |                  |
|-----------------------------|----------------------|------------------|
| NAME: 93PFLD2040/BL         | TYPE: 93PFLD2040/BL  | WEIGHT: 1        |
| SPEC.:                      | DIM.: 140 x 128 x 36 | SERIAL No.: 0    |
| MFR.: Elmark Industries JSC | SUR.: 8 square       | Shielding Angle: |



| DATA OF LAMP      |               | PHOTOMETRIC DATA |          |
|-------------------|---------------|------------------|----------|
| MODEL             | 93PFLD2040/BL | Imax (cd)        | 2203     |
| NOMINAL POWER (W) | 20            | AVAILABILITY (%) | 82.7     |
| RATED VOLTAGE (V) | 230           | Avai. FLUX (lm)  | 1819     |
| NOMINAL FLUX (lm) | 2200          | LOR (%)          | 87.2     |
| LAMPS INSIDE      | 1             | TOTAL FLUX (lm)  | 1918     |
| TEST VOLTAGE (V)  | 230           | θ @50% (H,V)     | 66,50DEG |

| VERTICAL (DEG)   | AREA FLUX DIAGRAM |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | UNIT:lm |      | Φ t  | Φ a  |
|------------------|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------|------|------|------|
|                  | 0.00              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.03 | 0.00 |
| 90               | 0.00              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.09 | 0.00 |
| 80               | 0.00              | 0.00 | 0.00 | 0.01 | 0.03 | 0.06 | 0.11 | 0.15 | 0.16 | 0.16 | 0.14 | 0.10 | 0.06 | 0.03 | 0.01 | 0.00 | 0.00    | 0.00 | 1.01 | 0.00 |
| 70               | 0.00              | 0.00 | 0.00 | 0.04 | 0.11 | 0.21 | 0.34 | 0.43 | 0.47 | 0.47 | 0.43 | 0.34 | 0.21 | 0.11 | 0.04 | 0.00 | 0.00    | 0.00 | 3.19 | 0.00 |
| 60               | 0.00              | 0.00 | 0.02 | 0.12 | 0.32 | 0.71 | 1.21 | 1.50 | 1.59 | 1.60 | 1.51 | 1.17 | 0.70 | 0.32 | 0.12 | 0.02 | 0.00    | 0.00 | 10.9 | 0.00 |
| 50               | 0.00              | 0.00 | 0.05 | 0.29 | 1.05 | 3.63 | 7.60 | 10.1 | 10.9 | 10.9 | 10.3 | 7.59 | 3.56 | 1.03 | 0.28 | 0.05 | 0.00    | 0.00 | 67.3 | 49.8 |
| 40               | 0.00              | 0.00 | 0.09 | 0.54 | 2.63 | 10.6 | 23.4 | 31.2 | 32.1 | 32.3 | 31.4 | 23.2 | 10.4 | 2.53 | 0.52 | 0.08 | 0.00    | 0.00 | 201  | 195  |
| 30               | 0.00              | 0.00 | 0.13 | 0.78 | 4.21 | 17.1 | 35.7 | 46.3 | 47.2 | 47.4 | 46.5 | 35.4 | 16.8 | 4.01 | 0.74 | 0.12 | 0.00    | 0.00 | 302  | 297  |
| 20               | 0.00              | 0.01 | 0.14 | 0.92 | 5.21 | 21.5 | 45.0 | 59.6 | 62.2 | 62.3 | 59.8 | 44.4 | 21.0 | 4.92 | 0.86 | 0.13 | 0.01    | 0.00 | 388  | 383  |
| 10               | 0.00              | 0.01 | 0.14 | 0.92 | 5.20 | 21.5 | 44.8 | 59.0 | 61.2 | 61.1 | 58.6 | 43.8 | 20.9 | 4.89 | 0.86 | 0.13 | 0.01    | 0.00 | 383  | 378  |
| 0                | 0.00              | 0.00 | 0.12 | 0.77 | 4.13 | 16.9 | 35.4 | 45.5 | 45.8 | 45.6 | 44.9 | 34.4 | 16.4 | 3.88 | 0.72 | 0.11 | 0.00    | 0.00 | 295  | 289  |
| -10              | 0.00              | 0.00 | 0.09 | 0.53 | 2.57 | 10.5 | 23.3 | 31.1 | 31.8 | 31.7 | 30.6 | 22.6 | 10.0 | 2.32 | 0.48 | 0.08 | 0.00    | 0.00 | 198  | 191  |
| -20              | 0.00              | 0.00 | 0.05 | 0.27 | 0.98 | 3.24 | 6.72 | 8.77 | 8.89 | 8.68 | 8.21 | 6.25 | 2.87 | 0.87 | 0.25 | 0.04 | 0.00    | 0.00 | 56.1 | 37.8 |
| -30              | 0.00              | 0.00 | 0.02 | 0.11 | 0.29 | 0.62 | 1.01 | 1.27 | 1.37 | 1.36 | 1.23 | 0.96 | 0.58 | 0.27 | 0.10 | 0.02 | 0.00    | 0.00 | 9.21 | 0.00 |
| -40              | 0.00              | 0.00 | 0.00 | 0.04 | 0.10 | 0.20 | 0.31 | 0.38 | 0.41 | 0.41 | 0.38 | 0.30 | 0.19 | 0.09 | 0.03 | 0.00 | 0.00    | 0.00 | 2.84 | 0.00 |
| -50              | 0.00              | 0.00 | 0.00 | 0.01 | 0.02 | 0.05 | 0.09 | 0.12 | 0.13 | 0.13 | 0.11 | 0.08 | 0.05 | 0.02 | 0.01 | 0.00 | 0.00    | 0.00 | 0.82 | 0.00 |
| -60              | 0.00              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.06 | 0.00 |
| -70              | 0.00              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.02 | 0.00 |
| -80              | 0.00              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 |
| -90              | 0.00              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 |
| HORIZONTAL (DEG) |                   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |         |      |      |      |
| Φ t              | 0.01              | 0.04 | 0.87 | 5.35 | 26.9 | 107  | 225  | 295  | 304  | 304  | 294  | 221  | 104  | 25.3 | 5.02 | 0.80 | 0.04    | 0.00 | 1918 | ---  |
| Φ a              | 0.00              | 0.00 | 0.00 | 0.00 | 12.1 | 99.8 | 218  | 288  | 297  | 296  | 287  | 214  | 96.6 | 10.6 | 0.00 | 0.00 | 0.00    | 0.00 | ---  | 1819 |

one-half-peak spread: U:25.1,D:25.1 , L:23.2,R:22.9

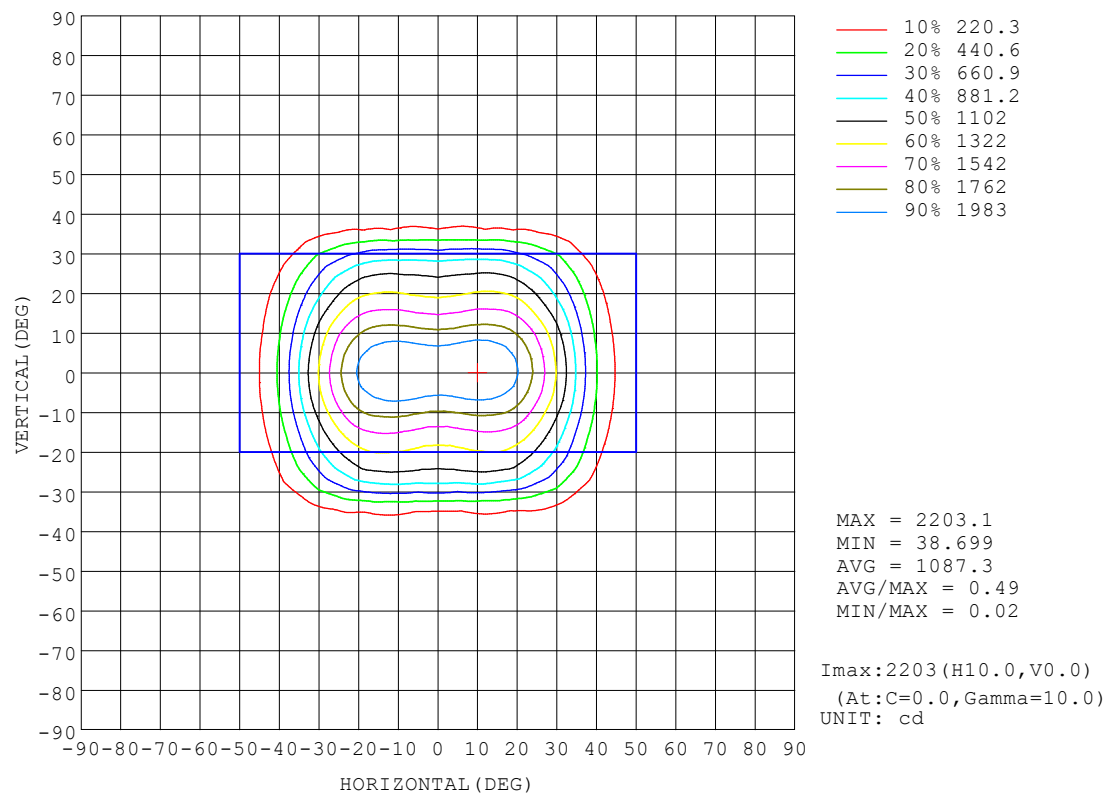
NEMA Beam Type: Type 5

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:  
Test Date:26 August 2022

γ Range: 0 - 90DEG  
γ Interval: 2.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:6.265m [K=1.0000]  
Remarks:

ISOCANDELA DIAGRAM

|                             |                      |                  |
|-----------------------------|----------------------|------------------|
| NAME: 93PFLD2040/BL         | TYPE: 93PFLD2040/BL  | WEIGHT: 1        |
| SPEC.:                      | DIM.: 140 x 128 x 36 | SERIAL No.: 0    |
| MFR.: Elmark Industries JSC | SUR.: 8 square       | Shielding Angle: |

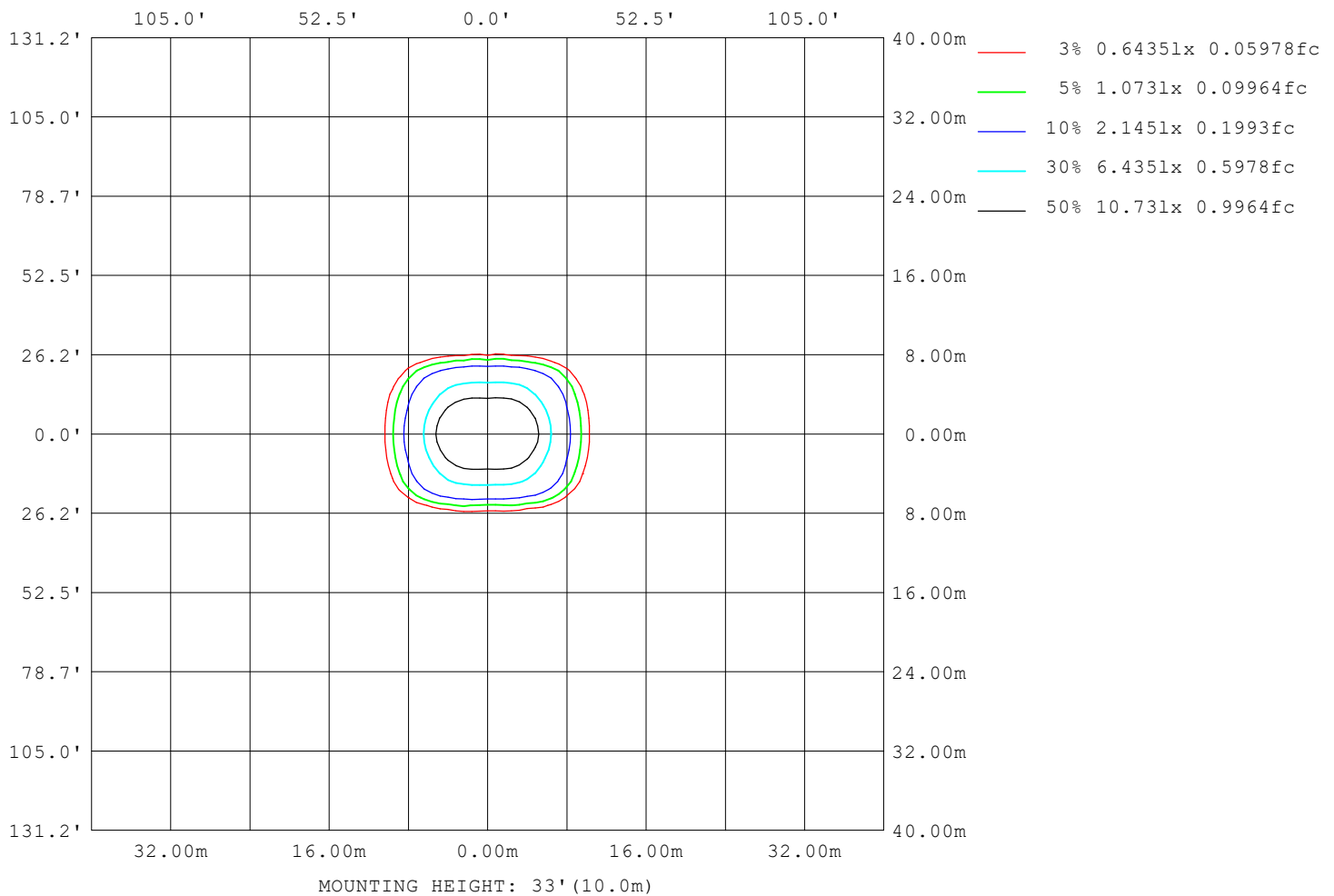


C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:  
Test Date:26 August 2022

γ Range: 0 - 90DEG  
γ Interval: 2.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:6.265m [K=1.0000]  
Remarks:

**ISOLUX DIAGRAM**

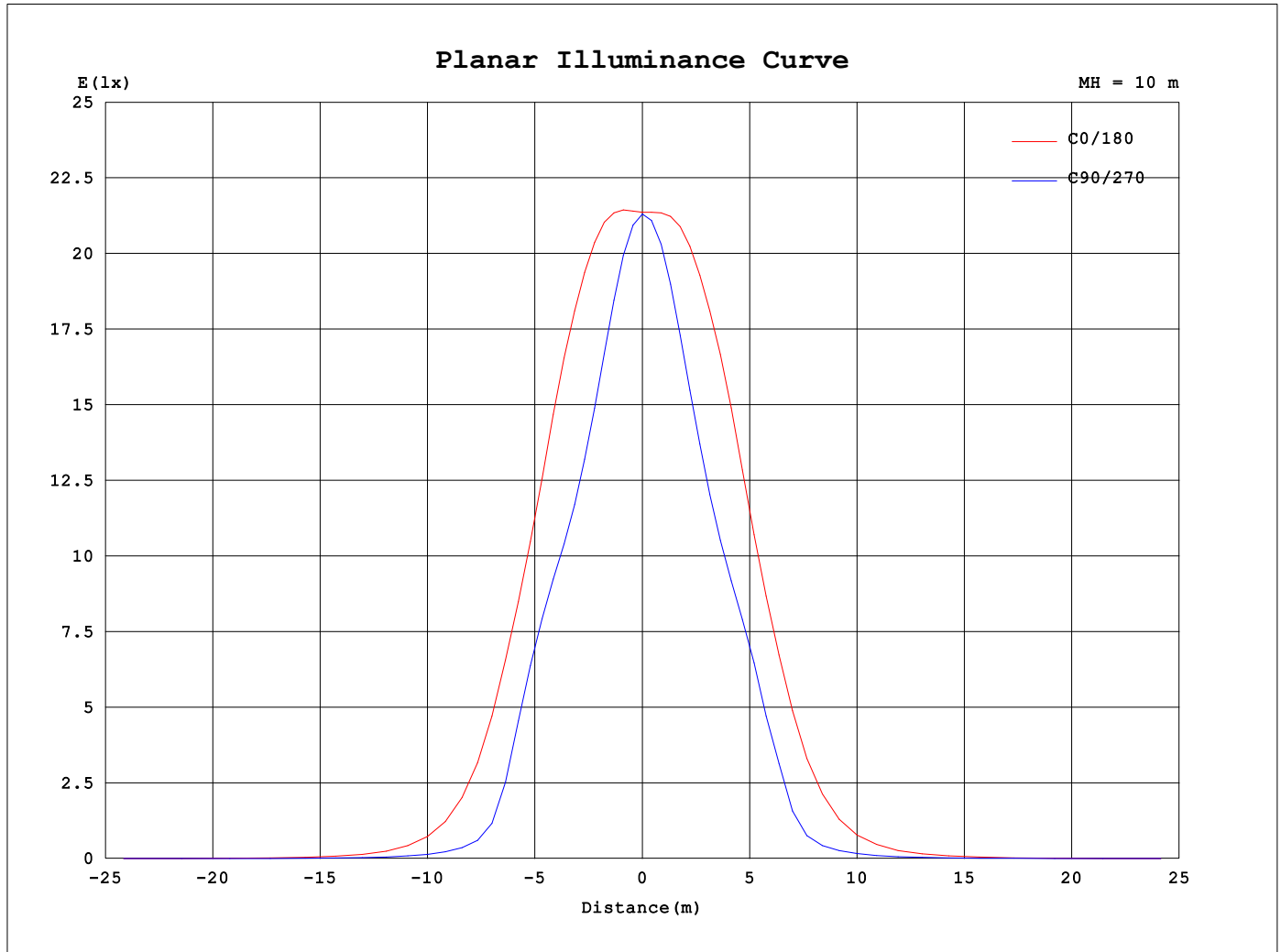
|                             |                      |                  |
|-----------------------------|----------------------|------------------|
| NAME: 93PFLD2040/BL         | TYPE: 93PFLD2040/BL  | WEIGHT: 1        |
| SPEC.:                      | DIM.: 140 x 128 x 36 | SERIAL No.: 0    |
| MFR.: Elmark Industries JSC | SUR.: 8 square       | Shielding Angle: |



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators:  
 Test Date: 26 August 2022

γ Range: 0 - 90DEG  
 γ Interval: 2.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
 Humidity: 65.0%  
 Test Distance: 6.265m [K=1.0000]  
 Remarks:

# Planar Illuminance Curve

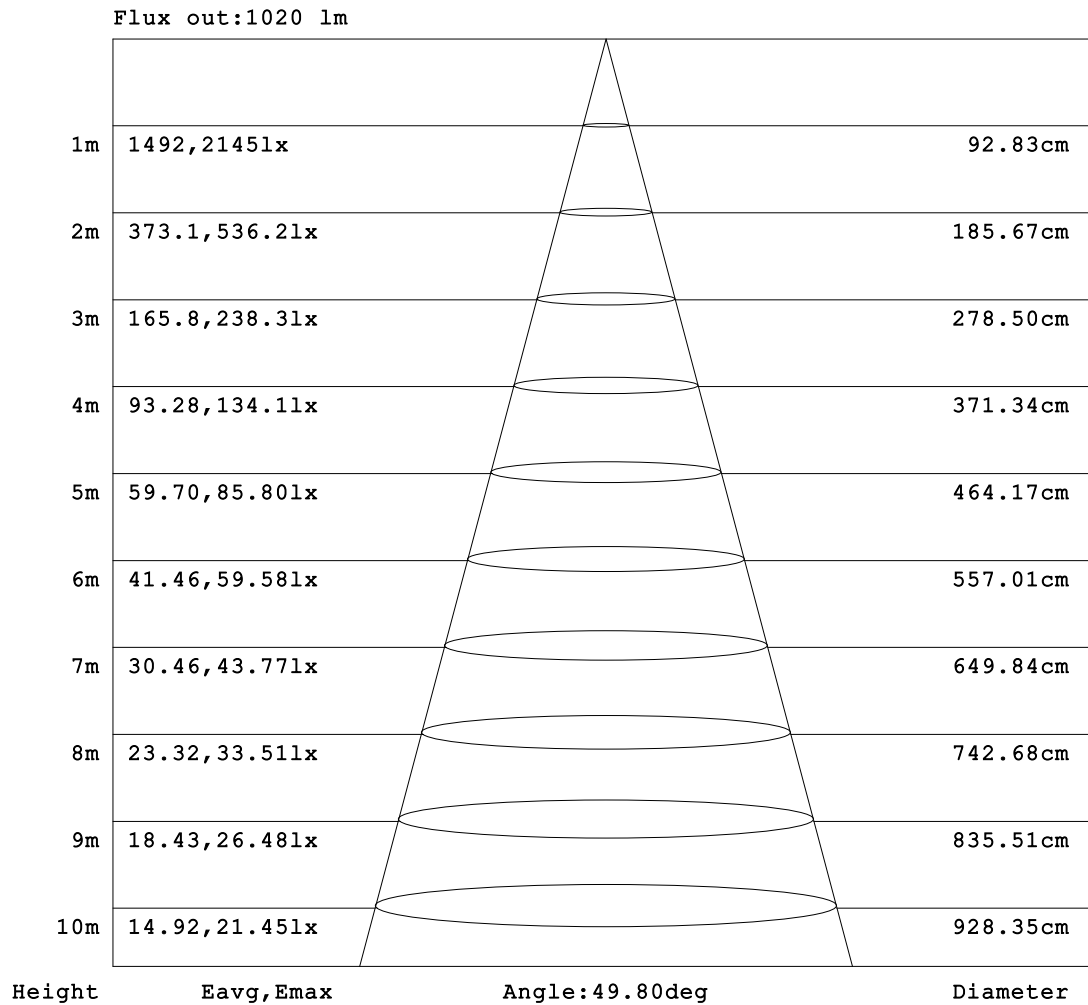


C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators:  
 Test Date: 26 August 2022

γ Range: 0 - 90DEG  
 γ Interval: 2.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
 Humidity: 65.0%  
 Test Distance: 6.265m [K=1.0000]  
 Remarks:

**AAI Figure**

|                             |                      |                  |
|-----------------------------|----------------------|------------------|
| NAME: 93PFLD2040/BL         | TYPE: 93PFLD2040/BL  | WEIGHT: 1        |
| SPEC.:                      | DIM.: 140 x 128 x 36 | SERIAL No.: 0    |
| MFR.: Elmark Industries JSC | SUR.: 8 square       | 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: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators:  
 Test Date: 26 August 2022

γ Range: 0 - 90DEG  
 γ Interval: 2.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
 Humidity: 65.0%  
 Test Distance: 6.265m [K=1.0000]  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                             |                      |                  |
|-----------------------------|----------------------|------------------|
| NAME: 93PFLD2040/BL         | TYPE: 93PFLD2040/BL  | WEIGHT: 1        |
| SPEC.:                      | DIM.: 140 x 128 x 36 | SERIAL No.: 0    |
| MFR.: Elmark Industries JSC | SUR.: 8 square       | Shielding Angle: |

Table--1

UNIT: cd

| H(DEC)<br>V(DEC) | -90  | -85  | -80  | -75  | -70  | -65  | -60  | -55  | -50  | -45  | -40  | -35  | -30  | -25  | -20  | -15  | -10  | -5   | 0    |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| -90              | 0.11 | 0.10 | 0.08 | 0.08 | 0.08 | 0.08 | 0.07 | 0.07 | 0.07 | 0.06 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| -85              | 0.11 | 0.10 | 0.08 | 0.08 | 0.08 | 0.08 | 0.07 | 0.07 | 0.07 | 0.06 | 0.05 | 0.06 | 0.06 | 0.06 | 0.05 | 0.06 | 0.06 | 0.06 | 0.05 |
| -80              | 0.11 | 0.10 | 0.08 | 0.08 | 0.09 | 0.08 | 0.07 | 0.08 | 0.09 | 0.08 | 0.06 | 0.07 | 0.09 | 0.07 | 0.06 | 0.07 | 0.08 | 0.07 | 0.05 |
| -75              | 0.11 | 0.10 | 0.09 | 0.09 | 0.10 | 0.09 | 0.08 | 0.10 | 0.12 | 0.12 | 0.11 | 0.12 | 0.14 | 0.13 | 0.11 | 0.12 | 0.13 | 0.12 | 0.11 |
| -70              | 0.11 | 0.10 | 0.09 | 0.09 | 0.11 | 0.11 | 0.11 | 0.14 | 0.18 | 0.27 | 0.33 | 0.52 | 0.54 | 0.69 | 0.88 | 0.97 | 0.93 | 0.92 | 0.87 |
| -65              | 0.11 | 0.10 | 0.09 | 0.10 | 0.12 | 0.14 | 0.15 | 0.24 | 0.58 | 1.03 | 1.54 | 2.02 | 2.53 | 3.03 | 3.54 | 3.90 | 4.12 | 4.18 | 4.11 |
| -60              | 0.11 | 0.10 | 0.09 | 0.10 | 0.14 | 0.18 | 0.24 | 0.79 | 1.61 | 2.43 | 3.30 | 4.25 | 5.19 | 6.05 | 6.87 | 7.42 | 7.61 | 7.66 | 7.57 |
| -55              | 0.11 | 0.10 | 0.09 | 0.11 | 0.16 | 0.23 | 0.73 | 1.90 | 3.20 | 4.45 | 5.93 | 7.50 | 9.07 | 10.6 | 11.8 | 12.6 | 12.8 | 12.8 | 12.7 |
| -50              | 0.11 | 0.10 | 0.09 | 0.12 | 0.18 | 0.44 | 1.76 | 3.60 | 5.51 | 7.54 | 9.82 | 12.8 | 15.7 | 18.3 | 20.3 | 21.5 | 22.0 | 22.1 | 21.9 |
| -45              | 0.11 | 0.10 | 0.10 | 0.13 | 0.21 | 0.85 | 3.34 | 6.09 | 8.95 | 12.6 | 16.4 | 22.6 | 27.8 | 33.3 | 37.3 | 39.4 | 40.9 | 40.9 | 40.6 |
| -40              | 0.11 | 0.10 | 0.10 | 0.15 | 0.28 | 2.02 | 5.33 | 9.67 | 14.7 | 22.3 | 32.6 | 46.4 | 61.2 | 73.9 | 76.6 | 82.0 | 86.9 | 89.1 | 81.5 |
| -35              | 0.11 | 0.10 | 0.10 | 0.16 | 0.57 | 3.29 | 7.90 | 14.6 | 24.2 | 40.5 | 68.6 | 111  | 167  | 208  | 232  | 261  | 258  | 222  | 213  |
| -30              | 0.11 | 0.10 | 0.11 | 0.16 | 0.83 | 4.76 | 10.7 | 20.8 | 38.1 | 69.0 | 147  | 244  | 413  | 540  | 644  | 695  | 704  | 668  | 701  |
| -25              | 0.11 | 0.11 | 0.11 | 0.17 | 1.40 | 6.13 | 13.6 | 27.5 | 55.1 | 105  | 223  | 415  | 651  | 863  | 1034 | 1091 | 1101 | 1077 | 1066 |
| -20              | 0.11 | 0.11 | 0.11 | 0.17 | 2.01 | 7.56 | 16.6 | 33.4 | 69.2 | 143  | 293  | 550  | 849  | 1091 | 1266 | 1329 | 1319 | 1281 | 1255 |
| -15              | 0.11 | 0.11 | 0.11 | 0.16 | 2.48 | 8.56 | 19.2 | 39.8 | 83.1 | 174  | 359  | 664  | 1011 | 1294 | 1490 | 1553 | 1547 | 1500 | 1466 |
| -10              | 0.11 | 0.11 | 0.11 | 0.16 | 2.80 | 9.28 | 20.8 | 44.0 | 93.8 | 199  | 421  | 777  | 1165 | 1495 | 1731 | 1817 | 1825 | 1781 | 1748 |
| -5               | 0.11 | 0.11 | 0.11 | 0.15 | 2.97 | 9.69 | 21.8 | 46.3 | 100  | 216  | 462  | 858  | 1285 | 1658 | 1920 | 2039 | 2078 | 2047 | 2017 |
| 0                | 0.11 | 0.11 | 0.11 | 0.14 | 3.01 | 9.78 | 22.0 | 46.8 | 102  | 221  | 475  | 890  | 1336 | 1726 | 2009 | 2140 | 2188 | 2159 | 2137 |
| 5                | 0.11 | 0.11 | 0.11 | 0.14 | 2.98 | 9.74 | 21.9 | 46.4 | 101  | 216  | 463  | 858  | 1283 | 1660 | 1930 | 2062 | 2102 | 2077 | 2055 |
| 10               | 0.11 | 0.11 | 0.11 | 0.14 | 2.81 | 9.38 | 21.0 | 44.2 | 94.2 | 199  | 424  | 784  | 1177 | 1517 | 1745 | 1854 | 1873 | 1838 | 1811 |
| 15               | 0.11 | 0.11 | 0.11 | 0.14 | 2.49 | 8.70 | 19.5 | 40.2 | 83.9 | 180  | 366  | 676  | 1019 | 1303 | 1509 | 1587 | 1589 | 1545 | 1520 |
| 20               | 0.11 | 0.11 | 0.11 | 0.14 | 2.01 | 7.69 | 17.0 | 34.1 | 70.2 | 153  | 298  | 552  | 841  | 1093 | 1267 | 1328 | 1331 | 1296 | 1268 |
| 25               | 0.11 | 0.11 | 0.11 | 0.13 | 1.38 | 6.27 | 14.1 | 28.4 | 56.4 | 108  | 223  | 417  | 654  | 864  | 1020 | 1088 | 1095 | 1080 | 1062 |
| 30               | 0.11 | 0.11 | 0.11 | 0.13 | 0.79 | 4.92 | 11.2 | 22.0 | 39.6 | 72.2 | 143  | 261  | 437  | 567  | 676  | 743  | 752  | 757  | 726  |
| 35               | 0.11 | 0.11 | 0.11 | 0.13 | 0.53 | 3.44 | 8.37 | 15.6 | 25.6 | 43.4 | 75.5 | 129  | 194  | 246  | 282  | 302  | 313  | 303  | 286  |
| 40               | 0.11 | 0.11 | 0.11 | 0.12 | 0.21 | 2.14 | 5.68 | 10.3 | 15.8 | 24.2 | 37.0 | 55.0 | 78.9 | 91.4 | 93.2 | 104  | 102  | 97.8 | 95.3 |
| 45               | 0.11 | 0.11 | 0.11 | 0.12 | 0.14 | 0.93 | 3.57 | 6.47 | 9.56 | 13.7 | 18.5 | 25.7 | 31.6 | 38.4 | 43.2 | 45.2 | 47.4 | 47.6 | 47.1 |
| 50               | 0.11 | 0.11 | 0.11 | 0.11 | 0.12 | 0.41 | 1.88 | 3.77 | 5.83 | 8.08 | 10.7 | 13.9 | 17.3 | 20.6 | 22.9 | 24.3 | 25.1 | 25.3 | 25.1 |
| 55               | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.14 | 0.75 | 1.94 | 3.35 | 4.70 | 6.34 | 8.02 | 9.93 | 11.9 | 13.2 | 14.1 | 14.5 | 14.6 | 14.3 |
| 60               | 0.11 | 0.11 | 0.11 | 0.11 | 0.10 | 0.10 | 0.21 | 0.80 | 1.69 | 2.59 | 3.55 | 4.64 | 5.80 | 6.90 | 7.88 | 8.54 | 8.83 | 8.88 | 8.71 |
| 65               | 0.11 | 0.11 | 0.11 | 0.10 | 0.10 | 0.10 | 0.11 | 0.23 | 0.62 | 1.13 | 1.72 | 2.33 | 3.03 | 3.70 | 4.39 | 4.87 | 5.17 | 5.24 | 5.17 |
| 70               | 0.11 | 0.11 | 0.11 | 0.10 | 0.10 | 0.10 | 0.11 | 0.11 | 0.13 | 0.29 | 0.44 | 0.71 | 0.95 | 1.22 | 1.54 | 1.83 | 2.02 | 2.07 | 2.01 |
| 75               | 0.11 | 0.11 | 0.11 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.09 | 0.10 | 0.12 | 0.11 | 0.11 | 0.13 | 0.14 | 0.13 | 0.11 | 0.13 | 0.14 |
| 80               | 0.11 | 0.11 | 0.11 | 0.11 | 0.10 | 0.10 | 0.10 | 0.09 | 0.09 | 0.09 | 0.10 | 0.09 | 0.09 | 0.09 | 0.10 | 0.09 | 0.08 | 0.10 | 0.11 |
| 85               | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.10 | 0.10 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.09 | 0.09 |
| 90               | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.10 | 0.10 | 0.10 | 0.10 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.08 | 0.08 | 0.08 | 0.08 | 0.09 |

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:  
Test Date:26 August 2022

γ Range: 0 - 90DEG  
γ Interval: 2.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:6.265m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                             |                      |                  |
|-----------------------------|----------------------|------------------|
| NAME: 93PFLD2040/BL         | TYPE: 93PFLD2040/BL  | WEIGHT: 1        |
| SPEC.:                      | DIM.: 140 x 128 x 36 | SERIAL No.: 0    |
| MFR.: Elmark Industries JSC | SUR.: 8 square       | 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   |  |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| -90                | 0.05 | 0.05 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.07 | 0.07 | 0.07 | 0.08 | 0.08 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |  |
| -85                | 0.06 | 0.06 | 0.06 | 0.05 | 0.06 | 0.06 | 0.06 | 0.06 | 0.07 | 0.07 | 0.08 | 0.08 | 0.08 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |  |
| -80                | 0.07 | 0.08 | 0.07 | 0.06 | 0.07 | 0.08 | 0.07 | 0.06 | 0.08 | 0.09 | 0.08 | 0.08 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |  |
| -75                | 0.12 | 0.13 | 0.12 | 0.11 | 0.12 | 0.13 | 0.11 | 0.10 | 0.11 | 0.12 | 0.10 | 0.08 | 0.09 | 0.10 | 0.09 | 0.09 | 0.09 | 0.09 |  |
| -70                | 0.90 | 0.89 | 0.91 | 0.82 | 0.64 | 0.49 | 0.46 | 0.29 | 0.24 | 0.17 | 0.13 | 0.11 | 0.11 | 0.11 | 0.09 | 0.09 | 0.09 | 0.09 |  |
| -65                | 4.15 | 4.05 | 3.83 | 3.46 | 2.91 | 2.38 | 1.85 | 1.38 | 0.89 | 0.51 | 0.23 | 0.15 | 0.14 | 0.12 | 0.10 | 0.09 | 0.09 | 0.09 |  |
| -60                | 7.62 | 7.53 | 7.34 | 6.76 | 5.89 | 4.98 | 4.02 | 3.06 | 2.20 | 1.42 | 0.69 | 0.23 | 0.17 | 0.13 | 0.10 | 0.09 | 0.09 | 0.09 |  |
| -55                | 12.7 | 12.7 | 12.4 | 11.6 | 10.3 | 8.78 | 7.17 | 5.58 | 4.11 | 2.89 | 1.67 | 0.62 | 0.22 | 0.15 | 0.11 | 0.09 | 0.09 | 0.09 |  |
| -50                | 22.0 | 21.8 | 21.2 | 19.9 | 17.8 | 15.2 | 12.2 | 9.30 | 7.01 | 5.03 | 3.21 | 1.50 | 0.38 | 0.17 | 0.12 | 0.10 | 0.09 | 0.09 |  |
| -45                | 40.5 | 40.2 | 38.4 | 36.1 | 32.0 | 26.5 | 21.2 | 15.4 | 11.6 | 8.15 | 5.48 | 2.90 | 0.69 | 0.20 | 0.13 | 0.10 | 0.09 | 0.09 |  |
| -40                | 87.4 | 84.1 | 78.2 | 72.0 | 67.5 | 55.8 | 41.7 | 29.6 | 20.1 | 13.3 | 8.71 | 4.70 | 1.69 | 0.26 | 0.14 | 0.10 | 0.10 | 0.09 |  |
| -35                | 215  | 245  | 240  | 208  | 208  | 149  | 95.7 | 60.5 | 35.9 | 21.8 | 13.2 | 7.06 | 2.80 | 0.47 | 0.16 | 0.11 | 0.10 | 0.09 |  |
| -30                | 658  | 689  | 656  | 608  | 502  | 387  | 222  | 123  | 61.8 | 34.5 | 18.8 | 9.67 | 4.17 | 0.67 | 0.18 | 0.12 | 0.10 | 0.09 |  |
| -25                | 1074 | 1099 | 1082 | 1013 | 840  | 630  | 397  | 201  | 96.0 | 50.5 | 25.1 | 12.5 | 5.46 | 1.16 | 0.20 | 0.13 | 0.10 | 0.09 |  |
| -20                | 1277 | 1311 | 1321 | 1244 | 1068 | 832  | 534  | 276  | 133  | 64.1 | 30.9 | 15.3 | 6.83 | 1.69 | 0.22 | 0.14 | 0.10 | 0.09 |  |
| -15                | 1492 | 1529 | 1531 | 1456 | 1256 | 985  | 644  | 340  | 163  | 77.8 | 37.2 | 17.8 | 7.84 | 2.11 | 0.23 | 0.14 | 0.10 | 0.09 |  |
| -10                | 1770 | 1807 | 1791 | 1688 | 1444 | 1133 | 754  | 401  | 187  | 88.0 | 41.2 | 19.4 | 8.56 | 2.40 | 0.25 | 0.15 | 0.10 | 0.09 |  |
| -5                 | 2041 | 2071 | 2029 | 1890 | 1618 | 1257 | 832  | 439  | 203  | 93.7 | 43.4 | 20.3 | 8.98 | 2.56 | 0.26 | 0.15 | 0.10 | 0.09 |  |
| 0                  | 2170 | 2203 | 2151 | 1996 | 1689 | 1308 | 858  | 450  | 207  | 94.7 | 43.9 | 20.6 | 9.11 | 2.60 | 0.27 | 0.16 | 0.10 | 0.09 |  |
| 5                  | 2085 | 2115 | 2073 | 1925 | 1636 | 1266 | 835  | 441  | 204  | 94.0 | 43.6 | 20.5 | 9.03 | 2.58 | 0.25 | 0.15 | 0.10 | 0.09 |  |
| 10                 | 1845 | 1885 | 1862 | 1742 | 1497 | 1163 | 767  | 406  | 189  | 88.7 | 41.6 | 19.6 | 8.65 | 2.42 | 0.23 | 0.15 | 0.10 | 0.09 |  |
| 15                 | 1551 | 1598 | 1593 | 1507 | 1287 | 1010 | 663  | 350  | 171  | 79.5 | 37.8 | 18.1 | 7.97 | 2.14 | 0.21 | 0.14 | 0.10 | 0.09 |  |
| 20                 | 1302 | 1339 | 1338 | 1266 | 1080 | 837  | 542  | 286  | 146  | 67.1 | 32.3 | 15.9 | 6.99 | 1.72 | 0.19 | 0.14 | 0.10 | 0.09 |  |
| 25                 | 1084 | 1104 | 1098 | 1020 | 857  | 650  | 410  | 215  | 104  | 54.4 | 27.2 | 13.3 | 5.66 | 1.16 | 0.17 | 0.13 | 0.10 | 0.09 |  |
| 30                 | 762  | 763  | 756  | 680  | 566  | 434  | 257  | 138  | 70.8 | 38.7 | 21.2 | 10.6 | 4.43 | 0.65 | 0.15 | 0.13 | 0.10 | 0.09 |  |
| 35                 | 307  | 320  | 308  | 285  | 248  | 193  | 128  | 74.0 | 43.5 | 25.3 | 15.1 | 7.94 | 3.06 | 0.44 | 0.13 | 0.12 | 0.10 | 0.09 |  |
| 40                 | 98.4 | 103  | 106  | 93.5 | 88.2 | 71.9 | 54.0 | 36.4 | 24.3 | 15.7 | 10.1 | 5.39 | 1.90 | 0.19 | 0.12 | 0.12 | 0.10 | 0.09 |  |
| 45                 | 47.9 | 47.6 | 45.3 | 43.1 | 38.2 | 31.2 | 25.3 | 18.3 | 13.7 | 9.54 | 6.30 | 3.34 | 0.81 | 0.13 | 0.12 | 0.11 | 0.10 | 0.09 |  |
| 50                 | 25.4 | 25.1 | 24.1 | 22.8 | 20.4 | 17.2 | 13.8 | 10.6 | 8.03 | 5.77 | 3.66 | 1.73 | 0.37 | 0.11 | 0.11 | 0.11 | 0.10 | 0.09 |  |
| 55                 | 14.5 | 14.4 | 14.0 | 13.0 | 11.7 | 9.77 | 7.88 | 6.26 | 4.65 | 3.28 | 1.85 | 0.67 | 0.14 | 0.11 | 0.11 | 0.11 | 0.10 | 0.09 |  |
| 60                 | 8.84 | 8.75 | 8.41 | 7.73 | 6.77 | 5.67 | 4.52 | 3.46 | 2.52 | 1.62 | 0.73 | 0.19 | 0.10 | 0.10 | 0.11 | 0.11 | 0.10 | 0.09 |  |
| 65                 | 5.23 | 5.14 | 4.81 | 4.31 | 3.61 | 2.95 | 2.25 | 1.66 | 1.08 | 0.58 | 0.22 | 0.11 | 0.10 | 0.10 | 0.11 | 0.11 | 0.10 | 0.09 |  |
| 70                 | 2.08 | 2.04 | 1.83 | 1.54 | 1.21 | 0.94 | 0.70 | 0.42 | 0.28 | 0.13 | 0.11 | 0.11 | 0.10 | 0.10 | 0.10 | 0.11 | 0.10 | 0.09 |  |
| 75                 | 0.12 | 0.11 | 0.13 | 0.14 | 0.13 | 0.11 | 0.11 | 0.11 | 0.10 | 0.09 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.11 | 0.10 | 0.09 |  |
| 80                 | 0.10 | 0.08 | 0.09 | 0.10 | 0.09 | 0.09 | 0.09 | 0.10 | 0.09 | 0.09 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.11 | 0.10 | 0.09 |  |
| 85                 | 0.09 | 0.08 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.11 | 0.10 | 0.09 |  |
| 90                 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.11 | 0.10 | 0.09 |  |

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:  
Test Date:26 August 2022

γ Range: 0 - 90DEG  
γ Interval: 2.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:6.265m [K=1.0000]  
Remarks: