

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

| | |
|------------------------------------|------------------------|
| Maximum Intensity | 2768.8 cd per klm. |
| (Luminaire orientation as tested.) | 0.0 degrees vertical |
| | 0.0 degrees horizontal |

| | | |
|-------------|----------------|---------------|
| Beam Spread | At 10% of Imax | 60.0V x 59.4H |
| | At 50% of Imax | 37.2V x 37.5H |
| | At 90% of Imax | 15.0V x 15.2H |

| | | |
|-----------|----------------|------------------------|
| Beam Flux | Total | 1146.4 lumens per klm. |
| | To 10% of Imax | 1041.0 lumens per klm. |
| | To 50% of Imax | 670.7 lumens per klm. |
| | To 90% of Imax | 141.1 lumens per klm. |

| | |
|--------------|---------|
| Upward LOR | 0.0 % |
| Downward LOR | 114.6 % |

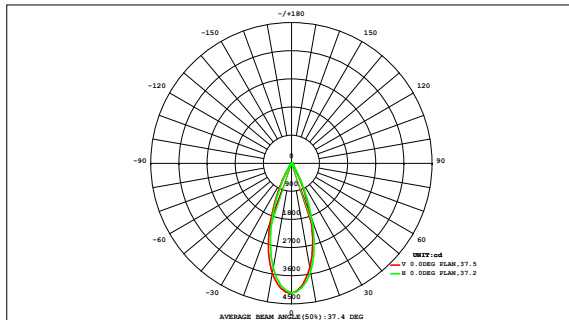
| | |
|---|---------|
| Luminaire Efficiency (Light Output Ratio) | 114.4 % |
|---|---------|

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 11 November 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: 93M20TL1640/BL | TYPE: | WEIGHT: 1 |
| SPEC.: | DIM.: F62 x 185 | SERIAL No.: 0 |
| MFR.: Elmark Industries JSC | SUR.: cilinder | Shielding Angle: |



| DATA OF LAMP | | PHOTOMETRIC DATA | |
|-------------------|----------------|------------------|----------|
| MODEL | 93M20TL1640/BL | Imax (cd) | 4153 |
| NOMINAL POWER (W) | 16 | AVAILABILITY (%) | 103.6 |
| RATED VOLTAGE (V) | 48 | Avai. FLUX (lm) | 1554 |
| NOMINAL FLUX (lm) | 1500 | LOR (%) | 114.4 |
| LAMPS INSIDE | 1 | TOTAL FLUX (lm) | 1716 |
| TEST VOLTAGE (V) | 48 | θ @50% (H,V) | 38,37DEG |

| 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 | 0.02 | 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 | 0.03 | 0.00 |
| 80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | 0.03 | 0.05 | 0.04 | 0.03 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 |
| 70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.09 | 0.20 | 0.31 | 0.39 | 0.39 | 0.31 | 0.20 | 0.08 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 2.02 | 0.00 |
| 60 | 0.00 | 0.00 | 0.00 | 0.02 | 0.12 | 0.33 | 0.60 | 0.93 | 1.20 | 1.23 | 0.98 | 0.63 | 0.33 | 0.12 | 0.01 | 0.00 | 0.00 | 0.00 | 6.52 | 0.00 |
| 50 | 0.00 | 0.00 | 0.00 | 0.07 | 0.29 | 0.70 | 1.48 | 2.92 | 4.72 | 4.97 | 3.37 | 1.66 | 0.73 | 0.29 | 0.06 | 0.00 | 0.00 | 0.00 | 21.3 | 0.00 |
| 40 | 0.00 | 0.00 | 0.01 | 0.14 | 0.49 | 1.37 | 4.33 | 13.9 | 26.4 | 27.7 | 16.1 | 5.29 | 1.46 | 0.48 | 0.13 | 0.01 | 0.00 | 0.00 | 97.8 | 74.4 |
| 30 | 0.00 | 0.00 | 0.02 | 0.20 | 0.71 | 2.52 | 13.0 | 43.8 | 72.9 | 75.2 | 48.5 | 15.8 | 2.89 | 0.70 | 0.19 | 0.01 | 0.00 | 0.00 | 276 | 262 |
| 20 | 0.00 | 0.00 | 0.02 | 0.23 | 0.87 | 3.80 | 23.6 | 70.7 | 109 | 112 | 76.9 | 28.3 | 4.41 | 0.87 | 0.22 | 0.02 | 0.00 | 0.00 | 431 | 419 |
| 10 | 0.00 | 0.00 | 0.03 | 0.24 | 0.89 | 3.96 | 24.3 | 72.0 | 111 | 114 | 79.1 | 29.3 | 4.67 | 0.89 | 0.23 | 0.02 | 0.00 | 0.00 | 441 | 428 |
| 0 | 0.00 | 0.00 | 0.02 | 0.21 | 0.75 | 2.78 | 14.5 | 46.7 | 77.2 | 79.3 | 51.6 | 17.3 | 3.04 | 0.72 | 0.19 | 0.02 | 0.00 | 0.00 | 294 | 281 |
| -10 | 0.00 | 0.00 | 0.01 | 0.15 | 0.52 | 1.55 | 5.39 | 16.7 | 30.1 | 30.7 | 17.8 | 5.72 | 1.53 | 0.48 | 0.13 | 0.01 | 0.00 | 0.00 | 111 | 89.8 |
| -20 | 0.00 | 0.00 | 0.00 | 0.07 | 0.31 | 0.78 | 1.79 | 3.73 | 5.85 | 5.79 | 3.60 | 1.68 | 0.72 | 0.28 | 0.06 | 0.00 | 0.00 | 0.00 | 24.7 | 0.25 |
| -30 | 0.00 | 0.00 | 0.00 | 0.02 | 0.14 | 0.36 | 0.67 | 1.08 | 1.36 | 1.33 | 1.01 | 0.62 | 0.33 | 0.12 | 0.02 | 0.00 | 0.00 | 0.00 | 7.06 | 0.00 |
| -40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.10 | 0.22 | 0.34 | 0.41 | 0.41 | 0.33 | 0.21 | 0.09 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 2.16 | 0.00 |
| -50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | 0.04 | 0.05 | 0.05 | 0.04 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 |
| -60 | 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 |
| -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 | 0.01 | 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 | 0.00 | 0.01 | 0.13 | 1.35 | 5.15 | 18.4 | 90.1 | 273 | 441 | 453 | 300 | 107 | 20.3 | 4.99 | 1.24 | 0.11 | 0.01 | 0.00 | 1716 | --- |
| Φ a | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 66.1 | 256 | 426 | 437 | 284 | 85.4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- | 1554 |

one-half-peak spread: U:19.1,D:18.3 , L:18.2,R:19.6

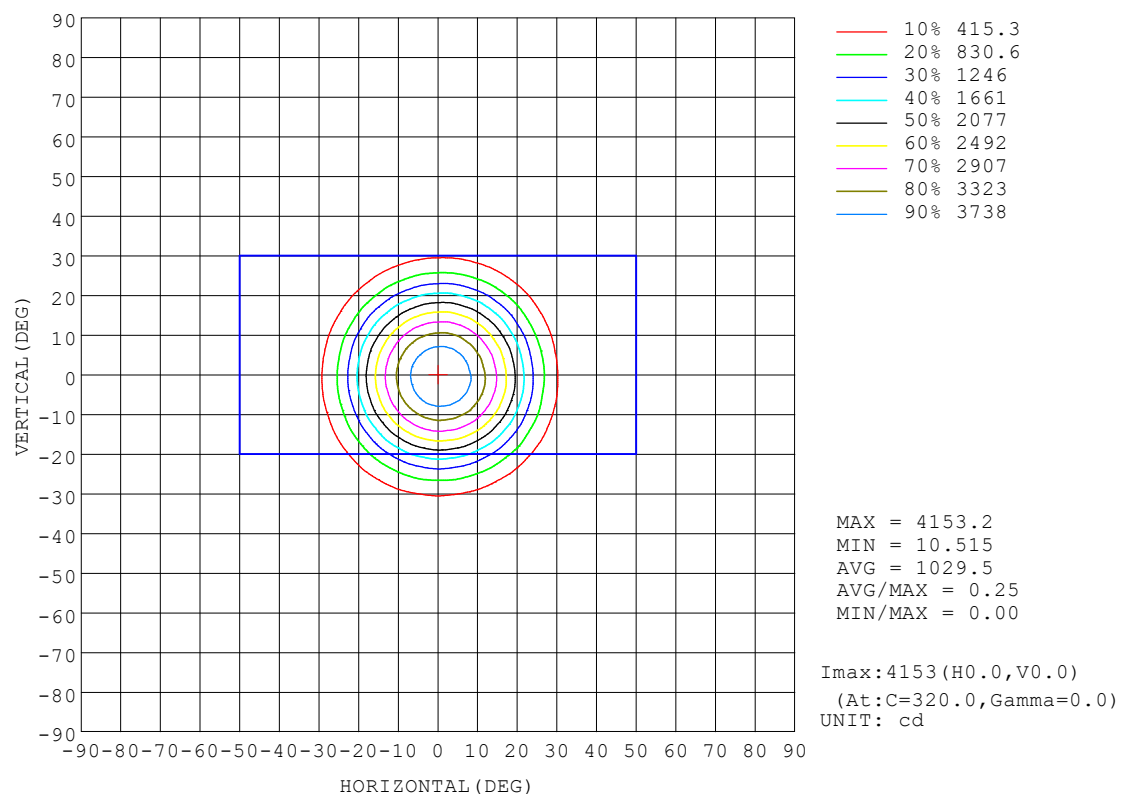
NEMA Beam Type: Type 4

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:11 November 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: 93M20TL1640/BL | TYPE: | WEIGHT: 1 |
| SPEC.: | DIM.: F62 x 185 | SERIAL No.: 0 |
| MFR.: Elmark Industries JSC | SUR.: cilinder | Shielding Angle: |

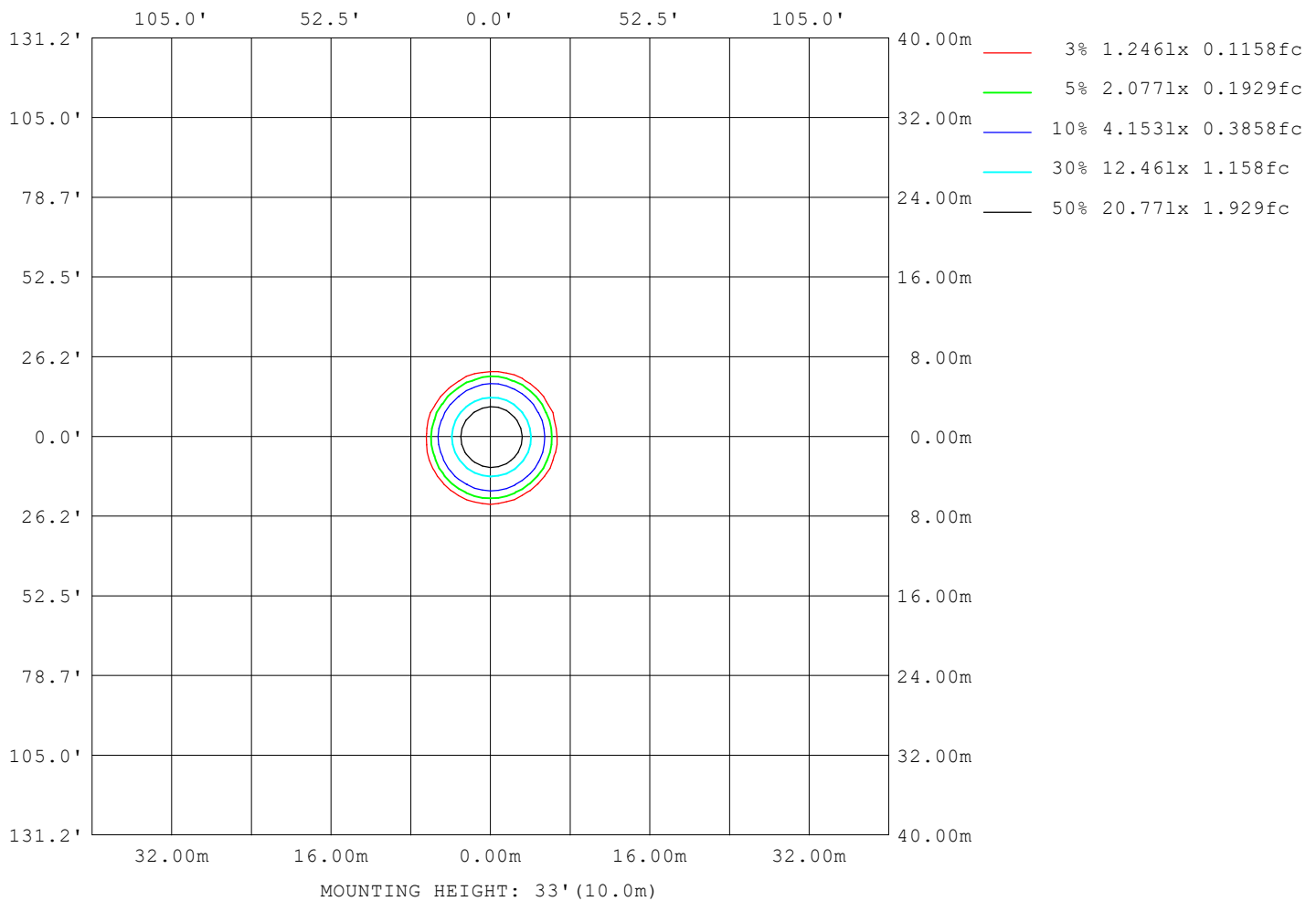


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 11 November 2022

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

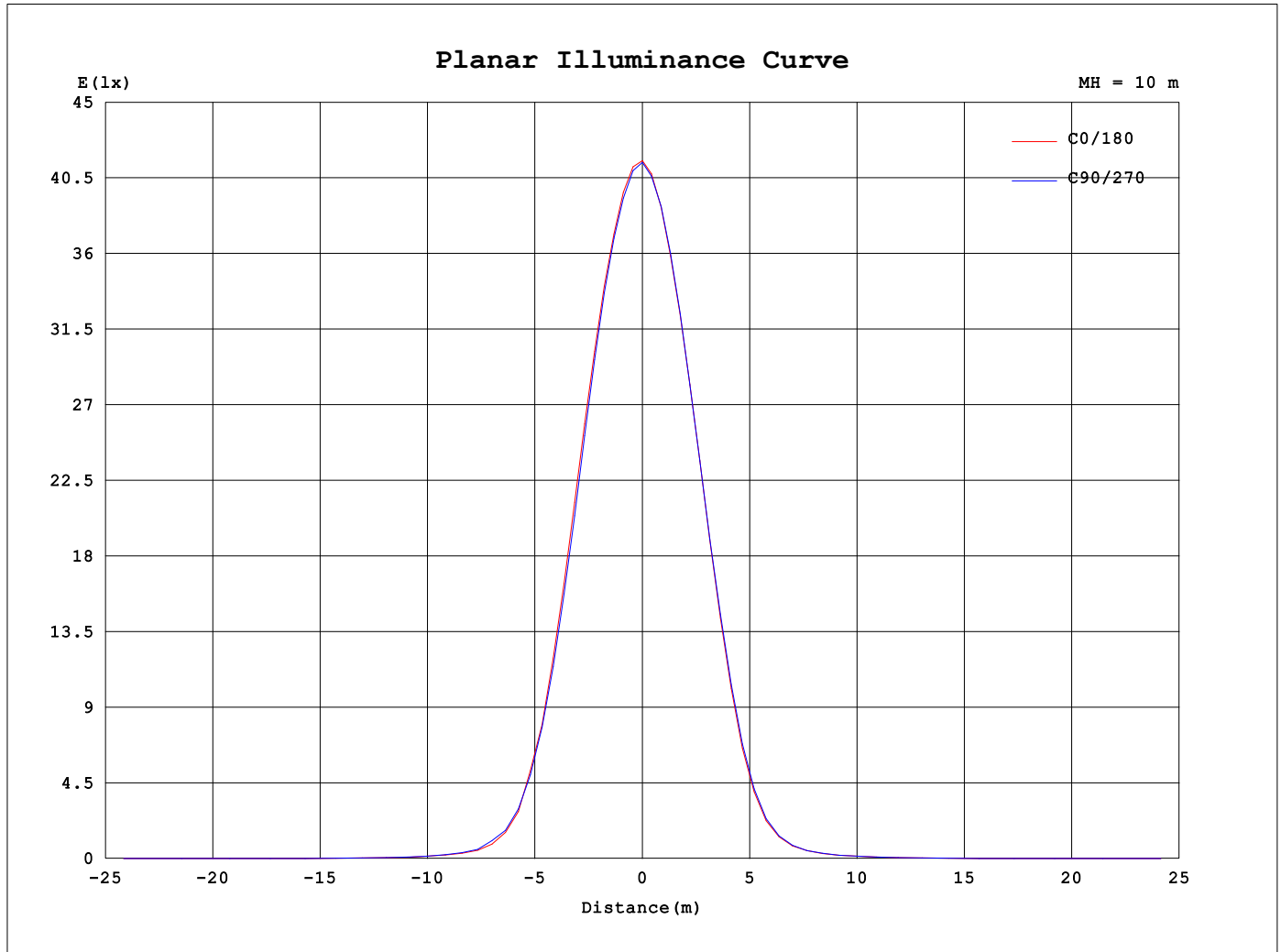
| | | |
|-----------------------------|-----------------|------------------|
| NAME: 93M20TL1640/BL | TYPE: | WEIGHT: 1 |
| SPEC.: | DIM.: F62 x 185 | SERIAL No.: 0 |
| MFR.: Elmark Industries JSC | SUR.: cilinder | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 11 November 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

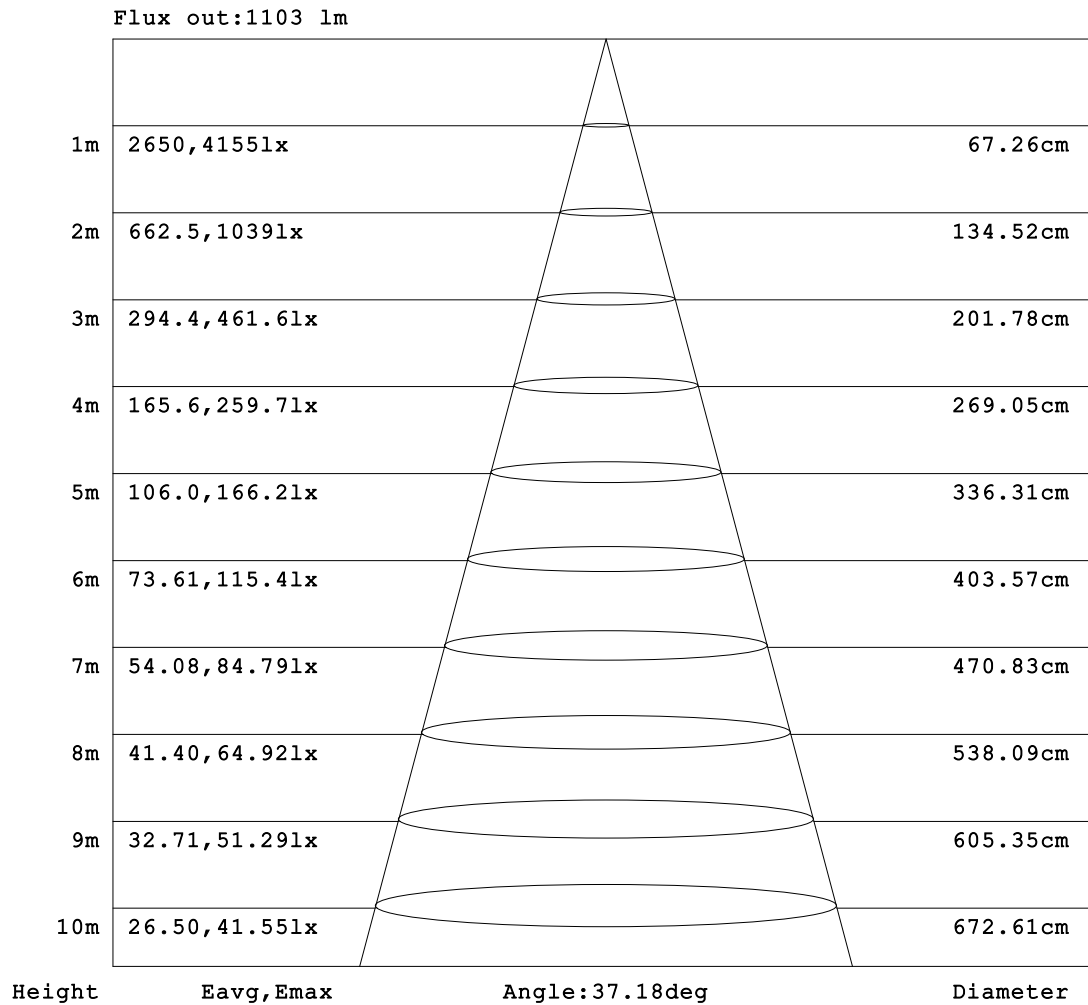


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 11 November 2022

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: 93M20TL1640/BL | TYPE: | WEIGHT: 1 |
| SPEC.: | DIM.: F62 x 185 | SERIAL No.: 0 |
| MFR.: Elmark Industries JSC | SUR.: cilinder | 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: 11 November 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: 93M20TL1640/BL | TYPE: | WEIGHT: 1 |
| SPEC.: | DIM.: F62 x 185 | SERIAL No.: 0 |
| MFR.: Elmark Industries JSC | SUR.: cilinder | Shielding Angle: |

Table--1

UNIT: cd

| H (DEG) V (DEG) | -90 | -85 | -80 | -75 | -70 | -65 | -60 | -55 | -50 | -45 | -40 | -35 | -30 | -25 | -20 | -15 | -10 | -5 | 0 |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| -90 | 0.07 | 0.05 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| -85 | 0.07 | 0.05 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 | 0.04 | 0.03 | 0.04 | 0.04 | 0.04 | 0.03 | 0.04 | 0.04 | 0.03 | 0.03 |
| -80 | 0.07 | 0.05 | 0.03 | 0.03 | 0.04 | 0.04 | 0.03 | 0.04 | 0.05 | 0.04 | 0.03 | 0.05 | 0.06 | 0.05 | 0.04 | 0.05 | 0.07 | 0.05 | 0.04 |
| -75 | 0.07 | 0.05 | 0.03 | 0.04 | 0.05 | 0.04 | 0.03 | 0.05 | 0.07 | 0.07 | 0.06 | 0.07 | 0.09 | 0.09 | 0.08 | 0.09 | 0.11 | 0.10 | 0.08 |
| -70 | 0.07 | 0.05 | 0.03 | 0.04 | 0.05 | 0.05 | 0.05 | 0.06 | 0.09 | 0.10 | 0.10 | 0.12 | 0.15 | 0.17 | 0.17 | 0.19 | 0.22 | 0.21 | 0.19 |
| -65 | 0.07 | 0.05 | 0.04 | 0.04 | 0.06 | 0.07 | 0.07 | 0.09 | 0.12 | 0.15 | 0.18 | 0.22 | 0.31 | 0.38 | 0.66 | 0.88 | 1.01 | 1.10 | 1.14 |
| -60 | 0.07 | 0.05 | 0.04 | 0.04 | 0.07 | 0.08 | 0.09 | 0.12 | 0.18 | 0.27 | 0.38 | 0.94 | 1.66 | 2.52 | 3.54 | 4.53 | 5.20 | 5.64 | 5.81 |
| -55 | 0.07 | 0.05 | 0.04 | 0.04 | 0.07 | 0.11 | 0.13 | 0.17 | 0.32 | 0.85 | 1.98 | 3.65 | 5.65 | 7.71 | 9.64 | 11.3 | 12.5 | 13.2 | 13.5 |
| -50 | 0.07 | 0.05 | 0.04 | 0.05 | 0.08 | 0.13 | 0.18 | 0.32 | 1.04 | 2.70 | 5.37 | 8.47 | 11.5 | 14.5 | 17.4 | 20.1 | 22.1 | 23.3 | 23.7 |
| -45 | 0.07 | 0.05 | 0.04 | 0.05 | 0.09 | 0.16 | 0.26 | 0.88 | 2.77 | 6.02 | 9.96 | 14.1 | 18.5 | 23.2 | 28.5 | 34.5 | 40.0 | 43.2 | 44.1 |
| -40 | 0.07 | 0.05 | 0.04 | 0.06 | 0.10 | 0.18 | 0.40 | 2.04 | 5.49 | 10.1 | 15.0 | 20.7 | 28.0 | 38.6 | 50.2 | 61.1 | 71.0 | 76.6 | 78.4 |
| -35 | 0.07 | 0.06 | 0.05 | 0.06 | 0.12 | 0.22 | 0.96 | 3.71 | 8.59 | 14.2 | 20.6 | 29.0 | 44.2 | 61.5 | 82.2 | 108 | 151 | 167 | 195 |
| -30 | 0.07 | 0.06 | 0.05 | 0.07 | 0.13 | 0.31 | 1.74 | 5.79 | 11.7 | 18.4 | 27.4 | 43.2 | 64.4 | 97.5 | 164 | 241 | 345 | 418 | 454 |
| -25 | 0.07 | 0.06 | 0.05 | 0.08 | 0.14 | 0.39 | 2.71 | 7.95 | 14.6 | 22.6 | 36.8 | 58.3 | 94.2 | 171 | 318 | 531 | 778 | 968 | 1050 |
| -20 | 0.07 | 0.06 | 0.06 | 0.09 | 0.16 | 0.69 | 3.77 | 9.86 | 17.3 | 27.4 | 46.6 | 76.1 | 156 | 298 | 594 | 1012 | 1432 | 1756 | 1900 |
| -15 | 0.07 | 0.06 | 0.06 | 0.09 | 0.16 | 0.90 | 4.75 | 11.5 | 19.8 | 32.5 | 55.1 | 96.1 | 212 | 488 | 968 | 1597 | 2191 | 2616 | 2792 |
| -10 | 0.07 | 0.06 | 0.06 | 0.10 | 0.17 | 1.04 | 5.40 | 12.6 | 21.6 | 37.3 | 63.5 | 122 | 284 | 677 | 1351 | 2149 | 2834 | 3312 | 3526 |
| -5 | 0.07 | 0.06 | 0.06 | 0.10 | 0.17 | 1.11 | 5.75 | 13.1 | 22.4 | 39.7 | 67.8 | 137 | 339 | 841 | 1634 | 2501 | 3250 | 3758 | 3976 |
| 0 | 0.07 | 0.07 | 0.07 | 0.10 | 0.17 | 1.11 | 5.80 | 13.1 | 22.6 | 40.1 | 68.3 | 140 | 348 | 882 | 1728 | 2627 | 3387 | 3921 | 4153 |
| 5 | 0.07 | 0.07 | 0.07 | 0.10 | 0.17 | 1.06 | 5.60 | 12.8 | 22.0 | 38.8 | 65.9 | 131 | 321 | 806 | 1605 | 2462 | 3190 | 3705 | 3926 |
| 10 | 0.07 | 0.07 | 0.07 | 0.10 | 0.17 | 0.95 | 5.12 | 12.0 | 20.7 | 35.7 | 60.5 | 114 | 261 | 641 | 1302 | 2059 | 2732 | 3202 | 3395 |
| 15 | 0.07 | 0.07 | 0.07 | 0.10 | 0.17 | 0.79 | 4.35 | 10.7 | 18.8 | 30.9 | 52.1 | 89.6 | 184 | 421 | 886 | 1505 | 2059 | 2456 | 2625 |
| 20 | 0.07 | 0.07 | 0.07 | 0.10 | 0.16 | 0.58 | 3.32 | 9.15 | 16.4 | 26.1 | 43.5 | 68.7 | 123 | 247 | 502 | 885 | 1312 | 1624 | 1755 |
| 25 | 0.07 | 0.07 | 0.07 | 0.10 | 0.16 | 0.33 | 2.34 | 7.37 | 13.7 | 21.5 | 33.9 | 51.8 | 81.4 | 137 | 245 | 432 | 650 | 844 | 918 |
| 30 | 0.07 | 0.07 | 0.08 | 0.10 | 0.15 | 0.26 | 1.47 | 5.35 | 10.8 | 17.3 | 25.2 | 38.4 | 55.2 | 80.3 | 122 | 186 | 266 | 339 | 367 |
| 35 | 0.07 | 0.07 | 0.08 | 0.10 | 0.13 | 0.19 | 0.80 | 3.31 | 7.80 | 13.1 | 19.3 | 26.4 | 37.9 | 50.6 | 67.8 | 88.4 | 115 | 136 | 144 |
| 40 | 0.07 | 0.07 | 0.08 | 0.10 | 0.11 | 0.15 | 0.32 | 1.73 | 4.87 | 9.12 | 14.0 | 19.2 | 24.7 | 32.7 | 41.9 | 50.6 | 60.1 | 67.0 | 70.1 |
| 45 | 0.07 | 0.07 | 0.08 | 0.09 | 0.10 | 0.12 | 0.21 | 0.71 | 2.33 | 5.38 | 9.14 | 13.0 | 16.9 | 20.9 | 25.1 | 29.7 | 34.8 | 38.2 | 39.6 |
| 50 | 0.07 | 0.07 | 0.08 | 0.08 | 0.09 | 0.10 | 0.15 | 0.27 | 0.82 | 2.37 | 4.83 | 7.65 | 10.6 | 13.5 | 16.1 | 18.5 | 20.7 | 22.0 | 22.5 |
| 55 | 0.07 | 0.07 | 0.07 | 0.08 | 0.08 | 0.09 | 0.13 | 0.17 | 0.26 | 0.69 | 1.69 | 3.16 | 5.11 | 7.12 | 8.88 | 10.5 | 11.8 | 12.6 | 12.7 |
| 60 | 0.07 | 0.07 | 0.07 | 0.08 | 0.07 | 0.08 | 0.10 | 0.13 | 0.15 | 0.20 | 0.30 | 0.73 | 1.39 | 2.22 | 3.11 | 4.06 | 4.79 | 5.16 | 5.21 |
| 65 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.09 | 0.10 | 0.10 | 0.12 | 0.16 | 0.19 | 0.23 | 0.28 | 0.50 | 0.66 | 0.77 | 0.83 | 0.82 |
| 70 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.08 | 0.09 | 0.08 | 0.09 | 0.11 | 0.12 | 0.12 | 0.13 | 0.15 | 0.15 | 0.14 | 0.16 | 0.17 |
| 75 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.08 | 0.09 | 0.09 | 0.08 | 0.09 | 0.11 | 0.10 | 0.08 | 0.10 | 0.11 |
| 80 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.08 | 0.07 | 0.07 | 0.07 | 0.08 | 0.07 | 0.06 | 0.07 | 0.08 |
| 85 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.06 | 0.07 | 0.07 |
| 90 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.07 |

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3°C

Operators:

Test Date:11 November 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: 93M20TL1640/BL | TYPE: | WEIGHT: 1 |
| SPEC.: | DIM.: F62 x 185 | SERIAL No.: 0 |
| MFR.: Elmark Industries JSC | SUR.: cilinder | Shielding Angle: |

Table--2

UNIT: cd

| H (DEG) V (DEG) | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| -90 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | |
| -85 | 0.03 | 0.04 | 0.04 | 0.03 | 0.03 | 0.04 | 0.03 | 0.03 | 0.03 | 0.04 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | |
| -80 | 0.05 | 0.07 | 0.05 | 0.04 | 0.05 | 0.06 | 0.04 | 0.03 | 0.04 | 0.04 | 0.03 | 0.03 | 0.03 | 0.04 | 0.03 | 0.03 | 0.03 | 0.03 | |
| -75 | 0.10 | 0.11 | 0.09 | 0.07 | 0.08 | 0.08 | 0.06 | 0.05 | 0.06 | 0.06 | 0.04 | 0.03 | 0.04 | 0.04 | 0.03 | 0.03 | 0.03 | 0.03 | |
| -70 | 0.20 | 0.21 | 0.18 | 0.16 | 0.15 | 0.14 | 0.11 | 0.09 | 0.09 | 0.08 | 0.05 | 0.04 | 0.05 | 0.05 | 0.03 | 0.03 | 0.03 | 0.03 | |
| -65 | 1.08 | 0.97 | 0.82 | 0.61 | 0.34 | 0.28 | 0.20 | 0.16 | 0.14 | 0.11 | 0.07 | 0.06 | 0.06 | 0.05 | 0.04 | 0.03 | 0.03 | 0.03 | |
| -60 | 5.58 | 5.09 | 4.38 | 3.36 | 2.33 | 1.46 | 0.79 | 0.33 | 0.24 | 0.16 | 0.10 | 0.08 | 0.07 | 0.05 | 0.04 | 0.03 | 0.03 | 0.03 | |
| -55 | 13.1 | 12.2 | 10.9 | 9.15 | 7.18 | 5.15 | 3.23 | 1.67 | 0.68 | 0.27 | 0.15 | 0.11 | 0.09 | 0.06 | 0.04 | 0.03 | 0.03 | 0.03 | |
| -50 | 23.0 | 21.4 | 19.3 | 16.5 | 13.6 | 10.7 | 7.65 | 4.69 | 2.23 | 0.79 | 0.26 | 0.16 | 0.11 | 0.07 | 0.04 | 0.03 | 0.03 | 0.03 | |
| -45 | 42.1 | 38.1 | 32.3 | 26.3 | 21.5 | 17.2 | 13.0 | 8.90 | 5.18 | 2.22 | 0.65 | 0.22 | 0.13 | 0.08 | 0.04 | 0.03 | 0.03 | 0.03 | |
| -40 | 74.6 | 67.6 | 57.0 | 46.3 | 35.3 | 25.4 | 19.1 | 13.8 | 8.90 | 4.64 | 1.57 | 0.32 | 0.16 | 0.09 | 0.04 | 0.04 | 0.03 | 0.03 | |
| -35 | 163 | 146 | 102 | 77.0 | 57.3 | 41.0 | 26.5 | 19.1 | 12.9 | 7.48 | 3.01 | 0.70 | 0.20 | 0.10 | 0.05 | 0.04 | 0.03 | 0.03 | |
| -30 | 419 | 348 | 240 | 163 | 94.1 | 61.7 | 41.0 | 25.2 | 16.9 | 10.4 | 4.93 | 1.32 | 0.25 | 0.11 | 0.06 | 0.04 | 0.03 | 0.03 | |
| -25 | 991 | 818 | 574 | 337 | 177 | 94.0 | 57.1 | 35.0 | 21.1 | 13.2 | 6.95 | 2.13 | 0.29 | 0.13 | 0.07 | 0.05 | 0.04 | 0.03 | |
| -20 | 1802 | 1511 | 1114 | 692 | 336 | 171 | 77.0 | 45.8 | 25.5 | 15.9 | 8.77 | 3.07 | 0.52 | 0.15 | 0.08 | 0.05 | 0.04 | 0.03 | |
| -15 | 2690 | 2341 | 1774 | 1130 | 578 | 244 | 100 | 55.3 | 30.8 | 18.4 | 10.4 | 4.03 | 0.71 | 0.16 | 0.09 | 0.05 | 0.04 | 0.03 | |
| -10 | 3403 | 3017 | 2386 | 1582 | 862 | 343 | 141 | 64.7 | 36.3 | 20.3 | 11.6 | 4.71 | 0.83 | 0.18 | 0.09 | 0.06 | 0.04 | 0.03 | |
| -5 | 3860 | 3438 | 2758 | 1895 | 1032 | 418 | 168 | 70.1 | 39.3 | 21.5 | 12.3 | 5.13 | 0.90 | 0.18 | 0.10 | 0.06 | 0.04 | 0.03 | |
| 0 | 4011 | 3567 | 2871 | 1975 | 1072 | 432 | 157 | 71.5 | 40.0 | 22.0 | 12.6 | 5.26 | 0.92 | 0.19 | 0.10 | 0.06 | 0.04 | 0.03 | |
| 5 | 3789 | 3355 | 2688 | 1823 | 980 | 395 | 146 | 68.3 | 38.2 | 21.3 | 12.2 | 5.04 | 0.87 | 0.18 | 0.10 | 0.06 | 0.04 | 0.03 | |
| 10 | 3288 | 2886 | 2255 | 1495 | 785 | 321 | 130 | 61.9 | 34.5 | 19.9 | 11.4 | 4.54 | 0.76 | 0.17 | 0.10 | 0.07 | 0.04 | 0.03 | |
| 15 | 2535 | 2202 | 1674 | 1048 | 527 | 225 | 96.3 | 52.9 | 29.7 | 18.1 | 10.1 | 3.78 | 0.62 | 0.16 | 0.10 | 0.07 | 0.04 | 0.03 | |
| 20 | 1690 | 1428 | 1020 | 616 | 307 | 141 | 73.5 | 43.9 | 25.1 | 15.9 | 8.59 | 2.81 | 0.44 | 0.15 | 0.10 | 0.07 | 0.04 | 0.03 | |
| 25 | 889 | 724 | 510 | 302 | 177 | 90.3 | 54.8 | 33.9 | 21.2 | 13.4 | 6.83 | 1.91 | 0.23 | 0.14 | 0.09 | 0.07 | 0.04 | 0.03 | |
| 30 | 360 | 300 | 223 | 149 | 91.4 | 60.7 | 40.1 | 25.1 | 17.0 | 10.5 | 4.79 | 1.16 | 0.19 | 0.12 | 0.09 | 0.07 | 0.04 | 0.03 | |
| 35 | 143 | 126 | 99.2 | 76.7 | 56.5 | 40.8 | 27.1 | 19.4 | 13.0 | 7.46 | 2.81 | 0.59 | 0.15 | 0.11 | 0.09 | 0.06 | 0.04 | 0.03 | |
| 40 | 69.7 | 64.5 | 55.3 | 46.1 | 35.5 | 26.0 | 19.6 | 14.0 | 8.93 | 4.42 | 1.37 | 0.21 | 0.12 | 0.10 | 0.08 | 0.06 | 0.05 | 0.03 | |
| 45 | 39.2 | 36.4 | 31.4 | 26.6 | 22.0 | 17.4 | 13.1 | 9.00 | 5.02 | 1.90 | 0.51 | 0.16 | 0.10 | 0.09 | 0.08 | 0.06 | 0.05 | 0.03 | |
| 50 | 22.2 | 21.0 | 18.9 | 16.3 | 13.6 | 10.5 | 7.46 | 4.48 | 1.95 | 0.59 | 0.20 | 0.12 | 0.09 | 0.08 | 0.08 | 0.06 | 0.05 | 0.03 | |
| 55 | 12.5 | 11.7 | 10.4 | 8.79 | 6.93 | 4.78 | 2.81 | 1.38 | 0.51 | 0.19 | 0.15 | 0.10 | 0.08 | 0.07 | 0.07 | 0.06 | 0.05 | 0.03 | |
| 60 | 5.07 | 4.62 | 3.83 | 2.83 | 1.94 | 1.17 | 0.58 | 0.22 | 0.16 | 0.13 | 0.11 | 0.09 | 0.07 | 0.07 | 0.07 | 0.06 | 0.05 | 0.03 | |
| 65 | 0.82 | 0.75 | 0.61 | 0.44 | 0.22 | 0.19 | 0.16 | 0.14 | 0.10 | 0.09 | 0.09 | 0.08 | 0.07 | 0.06 | 0.07 | 0.06 | 0.05 | 0.03 | |
| 70 | 0.15 | 0.14 | 0.15 | 0.15 | 0.12 | 0.10 | 0.11 | 0.10 | 0.08 | 0.07 | 0.08 | 0.07 | 0.07 | 0.06 | 0.06 | 0.06 | 0.05 | 0.03 | |
| 75 | 0.10 | 0.08 | 0.09 | 0.10 | 0.08 | 0.07 | 0.08 | 0.08 | 0.07 | 0.06 | 0.07 | 0.07 | 0.06 | 0.06 | 0.06 | 0.06 | 0.05 | 0.03 | |
| 80 | 0.07 | 0.07 | 0.07 | 0.08 | 0.07 | 0.06 | 0.07 | 0.07 | 0.06 | 0.06 | 0.06 | 0.07 | 0.06 | 0.06 | 0.06 | 0.06 | 0.05 | 0.03 | |
| 85 | 0.07 | 0.07 | 0.07 | 0.07 | 0.06 | 0.06 | 0.06 | 0.07 | 0.06 | 0.06 | 0.06 | 0.07 | 0.06 | 0.06 | 0.06 | 0.06 | 0.05 | 0.03 | |
| 90 | 0.07 | 0.07 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.06 | 0.06 | 0.05 | 0.03 | |

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3°C

Operators:

Test Date:11 November 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: