

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

| | |
|------------------------------------|--------------------------|
| Maximum Intensity | 1863.3 cd per klm. |
| (Luminaire orientation as tested.) | -180.0 degrees vertical |
| | -87.5 degrees horizontal |

| | | |
|-------------|----------------|-----------------|
| Beam Spread | At 10% of Imax | 360.0V x 180.0H |
| | At 50% of Imax | 360.0V x 180.0H |
| | At 90% of Imax | 72.0V x 180.0H |

| | | |
|-----------|----------------|------------------------|
| Beam Flux | Total | 1143.7 lumens per klm. |
| | To 10% of Imax | 924.8 lumens per klm. |
| | To 50% of Imax | 318.9 lumens per klm. |
| | To 90% of Imax | 10.5 lumens per klm. |

| | |
|--------------|--------|
| Upward LOR | 58.1 % |
| Downward LOR | 56.3 % |

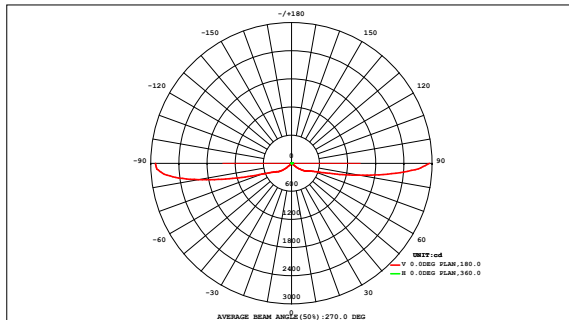
| | |
|---|---------|
| Luminaire Efficiency (Light Output Ratio) | 114.4 % |
|---|---------|

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 25 January 2023

γ Range: 0 - 180DEG
γ Interval: 2.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 6.340m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|-----------------------------|------------------|------------------|
| NAME: 96GRF328WW/2BL | TYPE: | WEIGHT: 1 |
| SPEC.: | DIM.: F 90 x 260 | SERIAL No.: 0 |
| MFR.: Elmark Industries JSC | SUR.: Circle | Shielding Angle: |



| DATA OF LAMP | | PHOTOMETRIC DATA | |
|-------------------|----------------|------------------|------------|
| MODEL | 96GRF328WW/2BL | Imax (cd) | 2981 |
| NOMINAL POWER (W) | 20 | AVAILABILITY (%) | 96.1 |
| RATED VOLTAGE (V) | 230 | Avai. FLUX (lm) | 1537 |
| NOMINAL FLUX (lm) | 1600 | LOR (%) | 114.4 |
| LAMPS INSIDE | 1 | TOTAL FLUX (lm) | 1831 |
| TEST VOLTAGE (V) | 230 | θ @50% (H,V) | 180,360DEG |

| VERTICAL (DEG) | AREA FLUX DIAGRAM | | | | | | | | | | | | | | | UNIT:lm | | | Φ t | Φ a |
|------------------|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------|------|------|------|------|
| | 5.76 | 7.51 | 5.40 | 4.13 | 0.83 | 0.25 | 0.10 | 0.04 | 0.01 | 0.01 | 0.05 | 0.12 | 0.28 | 0.79 | 3.86 | 5.19 | 6.79 | 5.37 | 46.5 | 38.5 |
| 90 | 5.76 | 7.51 | 5.40 | 4.13 | 0.83 | 0.25 | 0.10 | 0.04 | 0.01 | 0.01 | 0.05 | 0.12 | 0.28 | 0.79 | 3.86 | 5.19 | 6.79 | 5.37 | 46.5 | 38.5 |
| 80 | 5.63 | 7.24 | 5.30 | 3.99 | 0.76 | 0.25 | 0.10 | 0.04 | 0.01 | 0.01 | 0.05 | 0.12 | 0.28 | 0.87 | 4.01 | 5.27 | 7.01 | 5.47 | 46.4 | 38.0 |
| 70 | 5.53 | 7.02 | 5.21 | 3.86 | 0.72 | 0.25 | 0.10 | 0.04 | 0.01 | 0.01 | 0.05 | 0.12 | 0.27 | 0.96 | 4.16 | 5.36 | 7.25 | 5.59 | 46.5 | 38.4 |
| 60 | 5.44 | 6.84 | 5.13 | 3.73 | 0.68 | 0.25 | 0.10 | 0.04 | 0.01 | 0.01 | 0.05 | 0.12 | 0.27 | 1.07 | 4.31 | 5.46 | 7.53 | 5.73 | 46.8 | 38.6 |
| 50 | 5.37 | 6.70 | 5.08 | 3.63 | 0.65 | 0.26 | 0.10 | 0.04 | 0.01 | 0.02 | 0.05 | 0.12 | 0.26 | 1.19 | 4.47 | 5.56 | 7.85 | 5.86 | 47.2 | 39.3 |
| 40 | 5.32 | 6.60 | 5.04 | 3.56 | 0.64 | 0.26 | 0.10 | 0.04 | 0.01 | 0.01 | 0.05 | 0.11 | 0.26 | 1.30 | 4.60 | 5.68 | 8.18 | 6.00 | 47.8 | 39.5 |
| 30 | 5.32 | 6.56 | 5.02 | 3.53 | 0.63 | 0.27 | 0.10 | 0.04 | 0.01 | 0.01 | 0.05 | 0.11 | 0.26 | 1.39 | 4.73 | 5.79 | 8.52 | 6.16 | 48.5 | 40.0 |
| 20 | 5.32 | 6.59 | 5.03 | 3.55 | 0.64 | 0.27 | 0.10 | 0.04 | 0.01 | 0.01 | 0.05 | 0.12 | 0.27 | 1.42 | 4.81 | 5.90 | 8.89 | 6.31 | 49.3 | 40.9 |
| 10 | 5.34 | 6.60 | 5.06 | 3.59 | 0.65 | 0.27 | 0.11 | 0.04 | 0.01 | 0.01 | 0.05 | 0.12 | 0.27 | 1.41 | 4.85 | 5.99 | 9.23 | 6.47 | 50.1 | 42.1 |
| 0 | 5.37 | 6.64 | 5.06 | 3.62 | 0.67 | 0.26 | 0.10 | 0.04 | 0.01 | 0.01 | 0.05 | 0.12 | 0.28 | 1.38 | 4.85 | 6.05 | 9.49 | 6.58 | 50.6 | 42.6 |
| -10 | 5.41 | 6.76 | 5.10 | 3.69 | 0.69 | 0.26 | 0.10 | 0.04 | 0.01 | 0.01 | 0.05 | 0.12 | 0.29 | 1.32 | 4.81 | 6.06 | 9.70 | 6.65 | 51.1 | 43.1 |
| -20 | 5.50 | 6.95 | 5.16 | 3.79 | 0.73 | 0.26 | 0.10 | 0.04 | 0.01 | 0.01 | 0.05 | 0.12 | 0.29 | 1.26 | 4.74 | 6.04 | 9.85 | 6.71 | 51.6 | 43.3 |
| -30 | 5.61 | 7.17 | 5.23 | 3.90 | 0.77 | 0.26 | 0.10 | 0.04 | 0.01 | 0.01 | 0.04 | 0.12 | 0.30 | 1.18 | 4.66 | 6.00 | 9.86 | 6.76 | 52.0 | 43.8 |
| -40 | 5.73 | 7.44 | 5.32 | 4.02 | 0.82 | 0.26 | 0.10 | 0.04 | 0.01 | 0.01 | 0.04 | 0.12 | 0.30 | 1.10 | 4.57 | 5.96 | 9.88 | 6.78 | 52.5 | 44.5 |
| -50 | 5.85 | 7.75 | 5.41 | 4.16 | 0.89 | 0.26 | 0.10 | 0.04 | 0.01 | 0.01 | 0.04 | 0.12 | 0.31 | 1.03 | 4.46 | 5.91 | 9.85 | 6.79 | 53.0 | 45.2 |
| -60 | 5.99 | 8.07 | 5.51 | 4.30 | 0.96 | 0.27 | 0.11 | 0.04 | 0.01 | 0.01 | 0.04 | 0.12 | 0.31 | 0.96 | 4.35 | 5.84 | 9.77 | 6.79 | 53.4 | 45.2 |
| -70 | 6.13 | 8.40 | 5.64 | 4.45 | 1.04 | 0.27 | 0.11 | 0.05 | 0.01 | 0.01 | 0.04 | 0.12 | 0.30 | 0.90 | 4.24 | 5.76 | 9.63 | 6.76 | 53.8 | 45.9 |
| -80 | 6.28 | 8.74 | 5.76 | 4.57 | 1.11 | 0.28 | 0.11 | 0.05 | 0.01 | 0.01 | 0.04 | 0.11 | 0.29 | 0.84 | 4.12 | 5.66 | 9.42 | 6.71 | 54.1 | 46.2 |
| -90 | 6.28 | 8.74 | 5.76 | 4.57 | 1.11 | 0.28 | 0.11 | 0.05 | 0.01 | 0.01 | 0.04 | 0.11 | 0.29 | 0.84 | 4.12 | 5.66 | 9.42 | 6.71 | 54.1 | 46.2 |
| HORIZONTAL (DEG) | | | | | | | | | | | | | | | | | | | | |
| Φ t | 101 | 130 | 94.4 | 70.1 | 13.9 | 4.68 | 1.86 | 0.74 | 0.15 | 0.22 | 0.86 | 2.13 | 5.09 | 20.4 | 80.6 | 104 | 159 | 114 | 901 | --- |
| Φ a | 101 | 130 | 94.4 | 20.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.5 | 104 | 159 | 114 | --- | 755 |

one-half-peak spread: U:34.6,D:154.5 , L:9.9,R:166.7

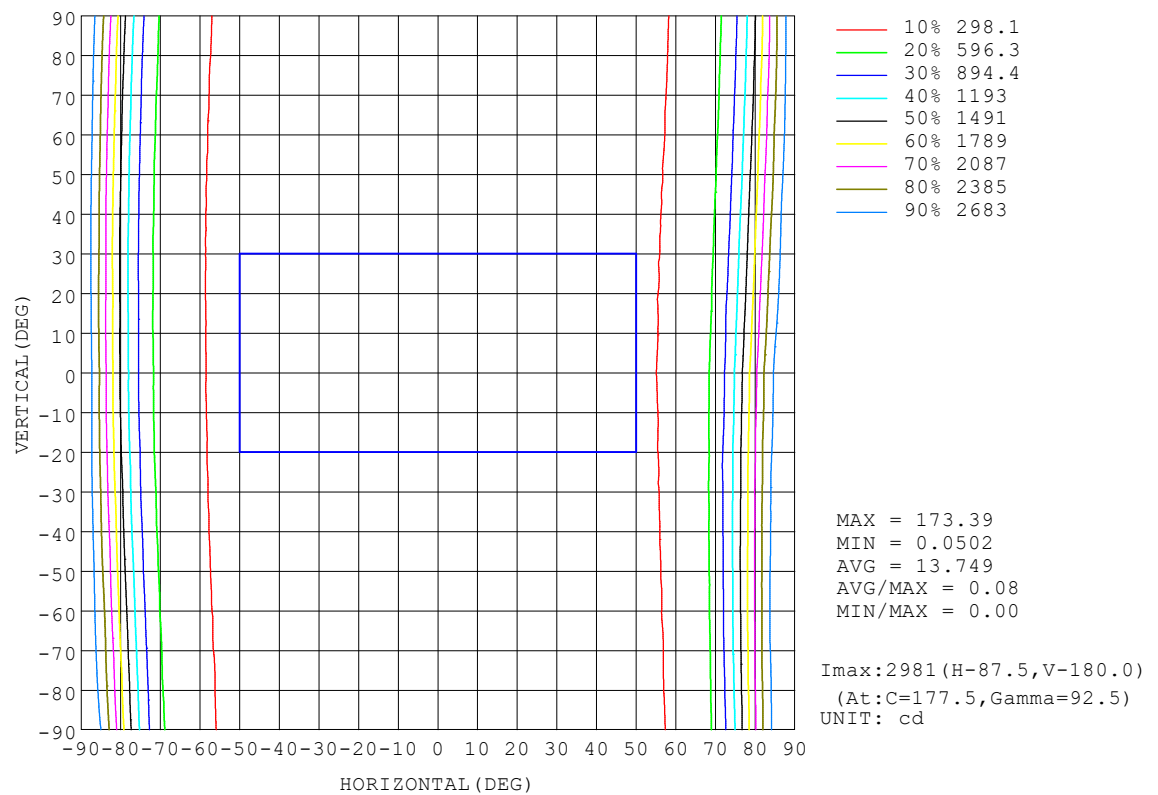
NEMA Beam Type: Type 7

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:25 January 2023

γ Range: 0 - 180DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.340m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|-----------------------------|------------------|------------------|
| NAME: 96GRF328WW/2BL | TYPE: | WEIGHT: 1 |
| SPEC.: | DIM.: F 90 x 260 | SERIAL No.: 0 |
| MFR.: Elmark Industries JSC | SUR.: Circle | Shielding Angle: |

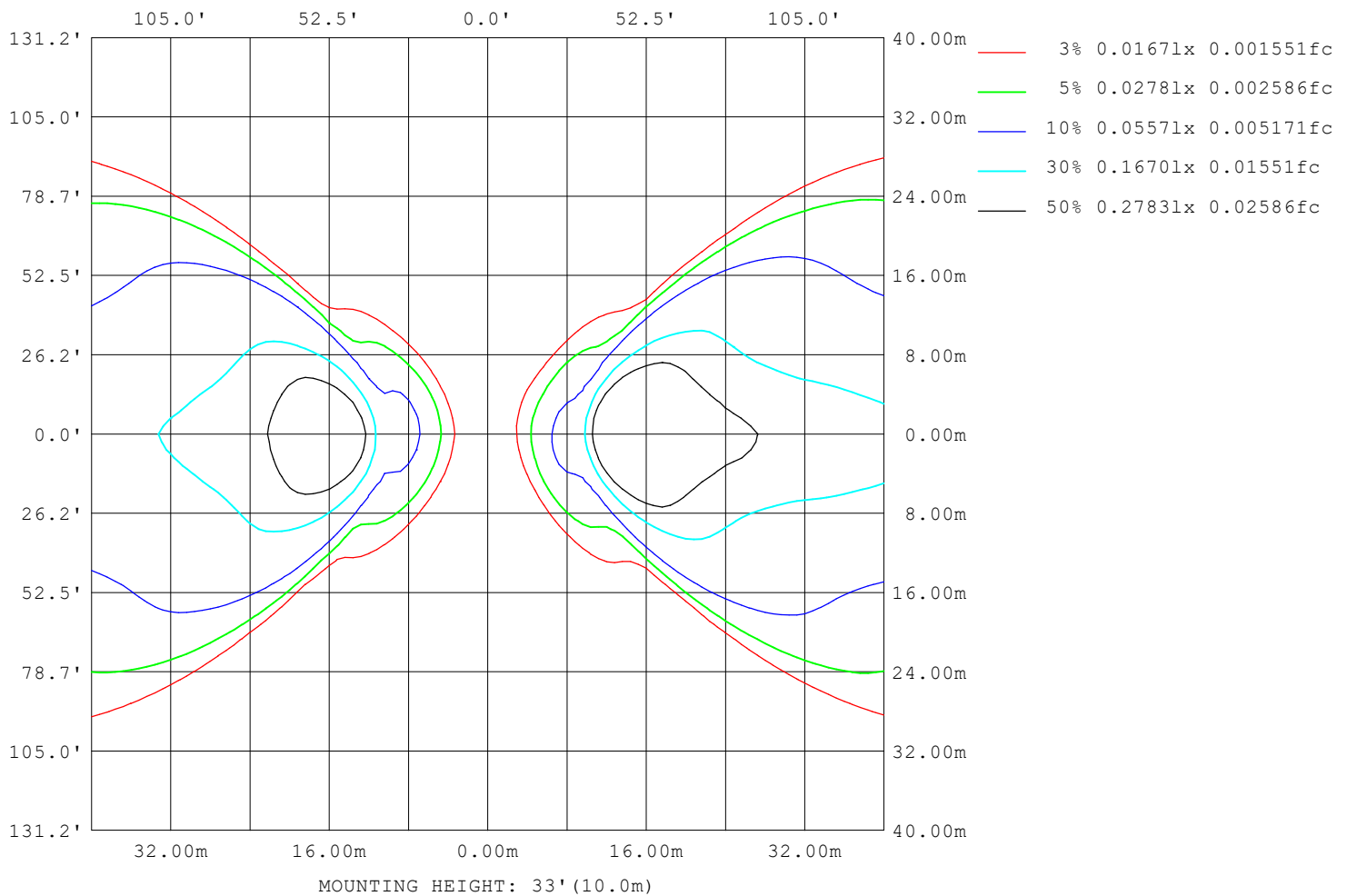


C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 25 January 2023

γ Range: 0 - 180DEG
γ Interval: 2.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 6.340m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

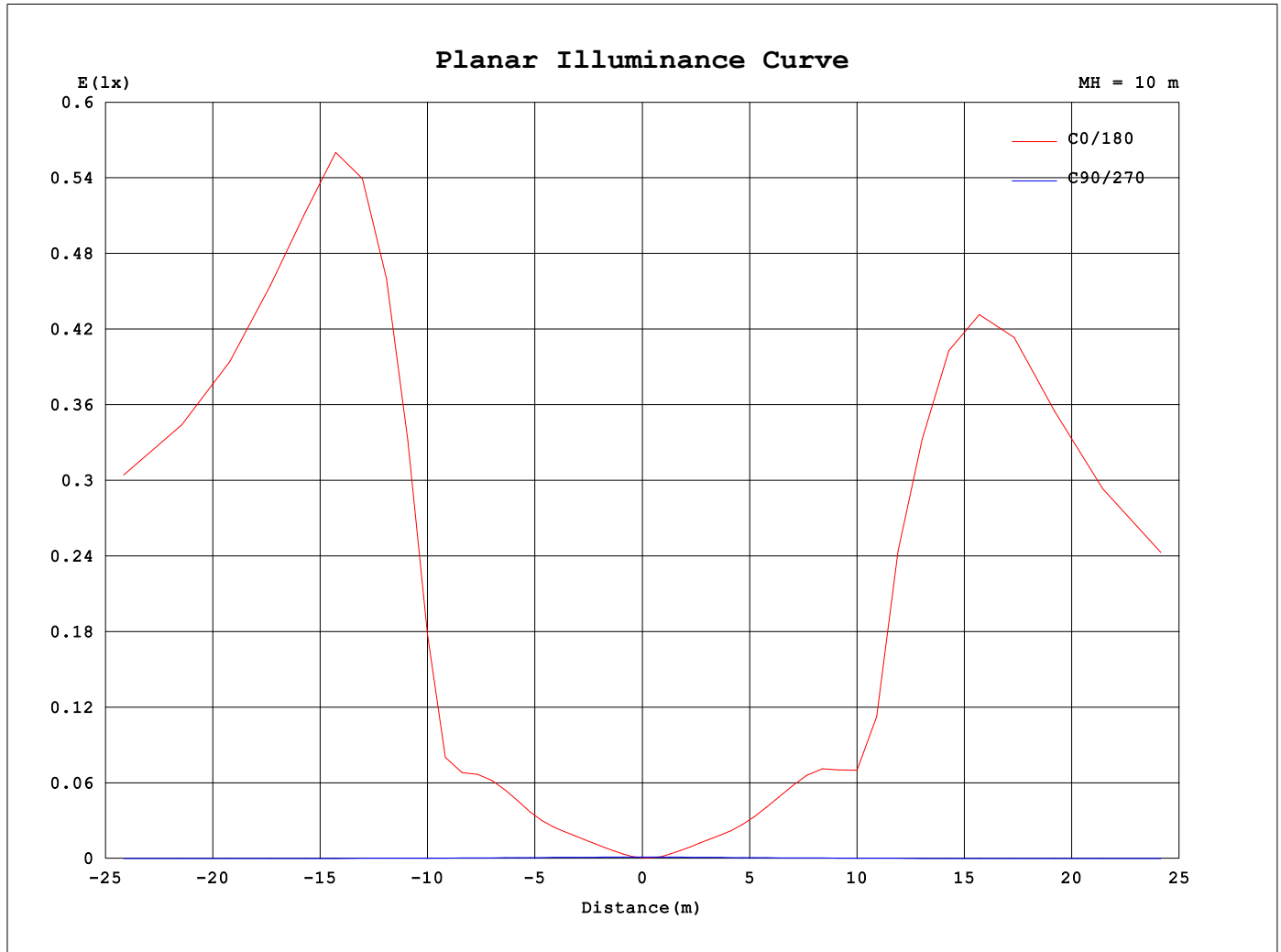
| | | |
|-----------------------------|------------------|------------------|
| NAME: 96GRF328WW/2BL | TYPE: | WEIGHT: 1 |
| SPEC.: | DIM.: F 90 x 260 | SERIAL No.: 0 |
| MFR.: Elmark Industries JSC | SUR.: Circle | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 25 January 2023

γ Range: 0 - 180DEG
γ Interval: 2.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 6.340m [K=1.0000]
Remarks:

Planar Illuminance Curve

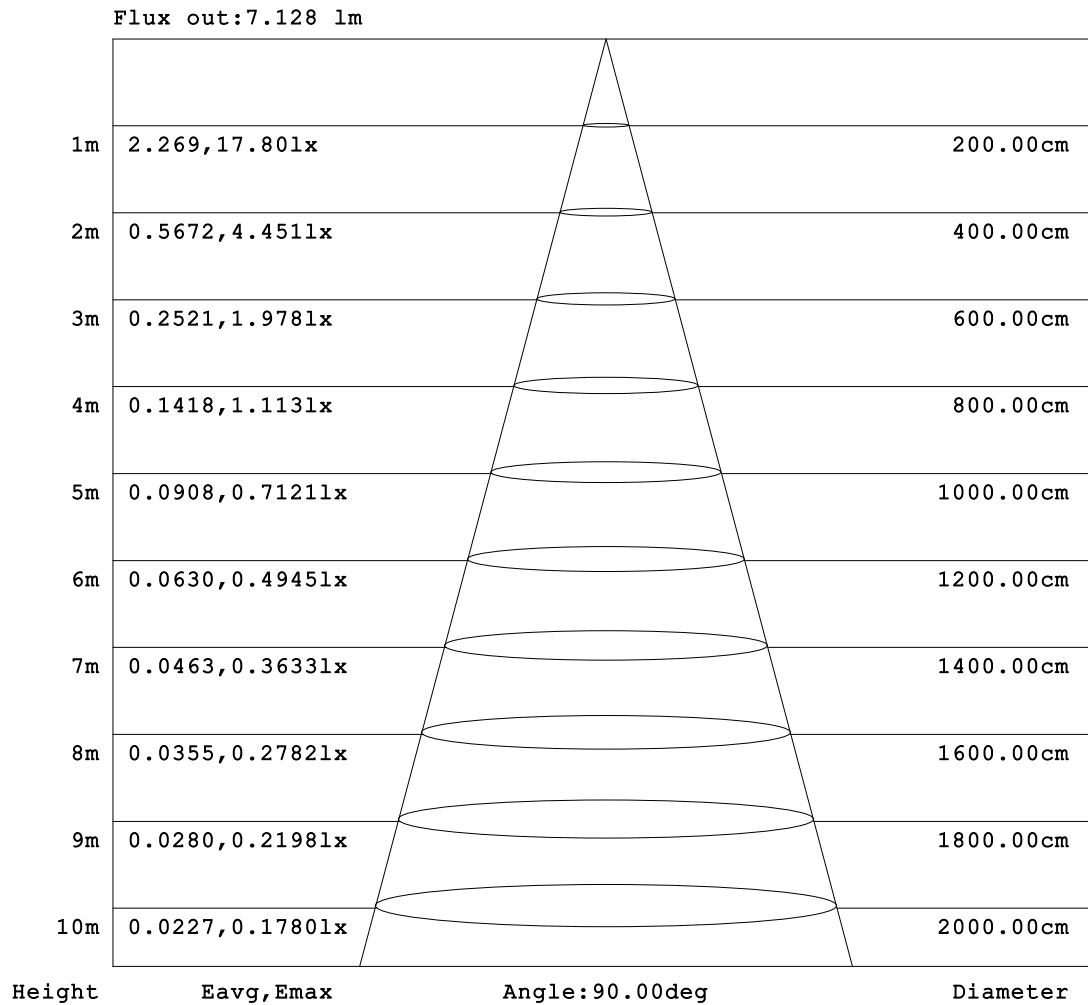


C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 25 January 2023

γ Range: 0 - 180DEG
 γ Interval: 2.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 6.340m [K=1.0000]
 Remarks:

AAI Figure

| | | |
|-----------------------------|------------------|------------------|
| NAME: 96GRF328WW/2BL | TYPE: | WEIGHT: 1 |
| SPEC.: | DIM.: F 90 x 260 | SERIAL No.: 0 |
| MFR.: Elmark Industries JSC | SUR.: Circle | 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: 2.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 25 January 2023

γ Range: 0 - 180DEG
 γ Interval: 2.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 6.340m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|-----------------------------|------------------|------------------|
| NAME: 96GRF328WW/2BL | TYPE: | WEIGHT: 1 |
| SPEC.: | DIM.: F 90 x 260 | SERIAL No.: 0 |
| MFR.: Elmark Industries JSC | SUR.: Circle | Shielding Angle: |

Table--1

UNIT: cd

| H(DEC) V(DEC) | -90 | -85 | -80 | -75 | -70 | -65 | -60 | -55 | -50 | -45 | -40 | -35 | -30 | -25 | -20 | -15 | -10 | -5 | 0 |
|------------------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|
| -180 | 2943 | 2892 | 2204 | 1371 | 764 | 473 | 369 | 305 | 187 | 57.0 | 16.6 | 13.3 | 8.55 | 4.87 | 2.81 | 1.76 | 0.97 | 0.34 | 0.07 |
| -170 | 2943 | 2874 | 2186 | 1364 | 760 | 470 | 365 | 300 | 182 | 56.3 | 16.9 | 13.2 | 8.62 | 4.86 | 2.76 | 1.70 | 0.94 | 0.33 | 0.06 |
| -160 | 2943 | 2862 | 2178 | 1364 | 773 | 475 | 367 | 302 | 183 | 58.0 | 16.7 | 13.2 | 8.51 | 4.79 | 2.72 | 1.67 | 0.93 | 0.36 | 0.06 |
| -150 | 2943 | 2858 | 2178 | 1368 | 782 | 477 | 368 | 302 | 183 | 56.7 | 16.7 | 13.2 | 8.45 | 4.75 | 2.70 | 1.66 | 0.95 | 0.36 | 0.06 |
| -140 | 2943 | 2823 | 2162 | 1338 | 762 | 474 | 367 | 300 | 179 | 53.9 | 16.3 | 13.1 | 8.28 | 4.70 | 2.68 | 1.64 | 0.93 | 0.33 | 0.06 |
| -130 | 2943 | 2803 | 2131 | 1316 | 747 | 468 | 367 | 298 | 176 | 50.1 | 16.1 | 12.8 | 8.06 | 4.58 | 2.65 | 1.64 | 0.90 | 0.33 | 0.06 |
| -120 | 2943 | 2798 | 2094 | 1287 | 725 | 463 | 364 | 295 | 171 | 49.7 | 15.8 | 12.4 | 7.82 | 4.43 | 2.57 | 1.61 | 0.89 | 0.33 | 0.07 |
| -110 | 2943 | 2751 | 2029 | 1247 | 709 | 457 | 362 | 292 | 167 | 47.5 | 15.5 | 12.0 | 7.54 | 4.31 | 2.53 | 1.61 | 0.90 | 0.32 | 0.08 |
| -100 | 2943 | 2711 | 1971 | 1200 | 681 | 447 | 359 | 287 | 159 | 41.2 | 15.6 | 11.7 | 7.27 | 4.17 | 2.50 | 1.60 | 0.87 | 0.30 | 0.08 |
| -90 | 2943 | 2681 | 1919 | 1154 | 657 | 438 | 355 | 282 | 151 | 35.7 | 15.4 | 11.4 | 6.95 | 4.01 | 2.43 | 1.57 | 0.84 | 0.28 | 0.08 |
| -80 | 2943 | 2611 | 1846 | 1109 | 635 | 430 | 353 | 272 | 143 | 33.1 | 15.3 | 11.1 | 6.69 | 3.88 | 2.40 | 1.55 | 0.82 | 0.26 | 0.08 |
| -70 | 2943 | 2554 | 1783 | 1065 | 616 | 423 | 348 | 262 | 135 | 32.2 | 15.2 | 10.8 | 6.53 | 3.74 | 2.37 | 1.52 | 0.81 | 0.25 | 0.09 |
| -60 | 2943 | 2511 | 1723 | 1017 | 586 | 413 | 345 | 252 | 125 | 29.1 | 15.2 | 10.6 | 6.33 | 3.62 | 2.32 | 1.50 | 0.79 | 0.24 | 0.09 |
| -50 | 2943 | 2450 | 1661 | 974 | 570 | 407 | 342 | 242 | 116 | 23.3 | 15.2 | 10.4 | 6.18 | 3.54 | 2.26 | 1.46 | 0.78 | 0.25 | 0.10 |
| -40 | 2943 | 2405 | 1607 | 940 | 549 | 402 | 341 | 234 | 109 | 20.7 | 15.2 | 10.2 | 6.08 | 3.48 | 2.22 | 1.43 | 0.74 | 0.23 | 0.11 |
| -30 | 2943 | 2379 | 1573 | 898 | 535 | 397 | 334 | 227 | 105 | 20.9 | 15.2 | 10.2 | 6.07 | 3.46 | 2.19 | 1.39 | 0.71 | 0.19 | 0.12 |
| -20 | 2943 | 2340 | 1512 | 882 | 524 | 392 | 331 | 220 | 99.2 | 21.8 | 15.2 | 10.2 | 6.08 | 3.48 | 2.16 | 1.34 | 0.68 | 0.19 | 0.12 |
| -10 | 2943 | 2322 | 1474 | 850 | 512 | 389 | 329 | 215 | 94.1 | 21.3 | 15.3 | 10.3 | 6.10 | 3.53 | 2.16 | 1.32 | 0.63 | 0.16 | 0.12 |
| 0 | 2943 | 2327 | 1465 | 841 | 508 | 389 | 331 | 214 | 92.0 | 19.8 | 15.8 | 10.5 | 6.25 | 3.64 | 2.25 | 1.38 | 0.67 | 0.15 | 0.08 |
| 10 | 2943 | 2298 | 1451 | 841 | 507 | 387 | 326 | 211 | 86.0 | 20.3 | 15.9 | 10.6 | 6.29 | 3.60 | 2.16 | 1.30 | 0.62 | 0.13 | 0.12 |
| 20 | 2943 | 2292 | 1448 | 851 | 508 | 386 | 323 | 208 | 85.8 | 20.6 | 16.1 | 10.6 | 6.25 | 3.58 | 2.15 | 1.29 | 0.62 | 0.17 | 0.11 |
| 30 | 2943 | 2308 | 1449 | 842 | 506 | 387 | 323 | 207 | 85.9 | 20.0 | 16.0 | 10.4 | 6.15 | 3.51 | 2.12 | 1.29 | 0.66 | 0.19 | 0.11 |
| 40 | 2943 | 2305 | 1463 | 848 | 512 | 388 | 325 | 210 | 88.0 | 20.1 | 15.8 | 10.2 | 6.06 | 3.44 | 2.12 | 1.29 | 0.67 | 0.17 | 0.11 |
| 50 | 2943 | 2324 | 1494 | 865 | 519 | 391 | 326 | 217 | 92.9 | 20.2 | 15.4 | 10.1 | 5.94 | 3.39 | 2.13 | 1.32 | 0.65 | 0.20 | 0.10 |
| 60 | 2943 | 2364 | 1527 | 887 | 529 | 396 | 330 | 225 | 98.0 | 20.4 | 15.0 | 9.93 | 5.88 | 3.38 | 2.13 | 1.33 | 0.67 | 0.20 | 0.09 |
| 70 | 2943 | 2388 | 1562 | 914 | 547 | 402 | 336 | 234 | 105 | 21.0 | 14.7 | 9.87 | 5.87 | 3.40 | 2.17 | 1.37 | 0.70 | 0.20 | 0.09 |
| 80 | 2943 | 2432 | 1608 | 942 | 559 | 409 | 339 | 243 | 111 | 24.1 | 14.6 | 9.89 | 5.94 | 3.47 | 2.23 | 1.42 | 0.73 | 0.21 | 0.08 |
| 90 | 2943 | 2495 | 1674 | 981 | 576 | 415 | 345 | 252 | 119 | 21.5 | 14.7 | 10.1 | 6.07 | 3.53 | 2.27 | 1.46 | 0.75 | 0.22 | 0.08 |
| 100 | 2943 | 2526 | 1728 | 1030 | 599 | 425 | 349 | 260 | 129 | 27.5 | 14.7 | 10.3 | 6.24 | 3.65 | 2.33 | 1.49 | 0.77 | 0.23 | 0.07 |
| 110 | 2943 | 2573 | 1796 | 1083 | 627 | 435 | 352 | 266 | 138 | 33.7 | 14.9 | 10.7 | 6.51 | 3.82 | 2.42 | 1.56 | 0.82 | 0.25 | 0.07 |
| 120 | 2943 | 2636 | 1873 | 1130 | 642 | 441 | 356 | 274 | 146 | 38.2 | 15.1 | 11.0 | 6.75 | 3.95 | 2.48 | 1.61 | 0.86 | 0.27 | 0.07 |
| 130 | 2943 | 2667 | 1923 | 1177 | 673 | 448 | 357 | 280 | 154 | 39.0 | 15.2 | 11.3 | 6.94 | 4.05 | 2.49 | 1.61 | 0.88 | 0.29 | 0.07 |
| 140 | 2943 | 2713 | 1991 | 1225 | 694 | 454 | 359 | 285 | 161 | 45.0 | 15.3 | 11.5 | 7.15 | 4.15 | 2.50 | 1.62 | 0.87 | 0.31 | 0.07 |
| 150 | 2943 | 2775 | 2050 | 1260 | 718 | 459 | 360 | 291 | 168 | 49.7 | 15.5 | 11.9 | 7.44 | 4.27 | 2.54 | 1.63 | 0.88 | 0.30 | 0.07 |
| 160 | 2943 | 2804 | 2093 | 1311 | 746 | 464 | 363 | 296 | 175 | 53.6 | 15.8 | 12.2 | 7.76 | 4.43 | 2.59 | 1.64 | 0.90 | 0.32 | 0.07 |
| 170 | 2943 | 2844 | 2144 | 1330 | 747 | 470 | 366 | 297 | 179 | 57.3 | 16.4 | 12.6 | 8.12 | 4.67 | 2.68 | 1.67 | 0.90 | 0.33 | 0.07 |
| 180 | 2943 | 2892 | 2204 | 1371 | 764 | 473 | 369 | 305 | 187 | 57.0 | 16.6 | 13.3 | 8.55 | 4.87 | 2.81 | 1.76 | 0.97 | 0.34 | 0.07 |

C Range: 0 - 360DEG

C Interval: 2.5DEG

Test Speed: HIGH

Temperature:25.3°C

Operators:

Test Date:25 January 2023

γ Range: 0 - 180DEG

γ Interval: 2.5DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456

Humidity:65.0%

Test Distance:6.340m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|-----------------------------|------------------|------------------|
| NAME: 96GRF328WW/2BL | TYPE: | WEIGHT: 1 |
| SPEC.: | DIM.: F 90 x 260 | SERIAL No.: 0 |
| MFR.: Elmark Industries JSC | SUR.: Circle | 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 | |
|--------------------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|--|
| -180 | 0.19 | 0.69 | 1.35 | 2.16 | 3.30 | 5.51 | 9.45 | 14.3 | 18.5 | 90.4 | 216 | 320 | 380 | 515 | 858 | 1540 | 2391 | 2904 | |
| -170 | 0.14 | 0.62 | 1.26 | 2.06 | 3.24 | 5.51 | 9.43 | 14.0 | 19.5 | 91.3 | 216 | 320 | 383 | 527 | 897 | 1591 | 2420 | 2904 | |
| -160 | 0.16 | 0.58 | 1.20 | 1.98 | 3.19 | 5.50 | 9.42 | 13.9 | 19.7 | 89.6 | 215 | 321 | 385 | 544 | 930 | 1648 | 2469 | 2904 | |
| -150 | 0.16 | 0.59 | 1.18 | 1.95 | 3.18 | 5.57 | 9.51 | 13.9 | 18.5 | 91.0 | 214 | 322 | 389 | 551 | 973 | 1712 | 2537 | 2904 | |
| -140 | 0.14 | 0.58 | 1.15 | 1.94 | 3.21 | 5.71 | 9.65 | 14.0 | 18.8 | 92.7 | 215 | 325 | 393 | 569 | 1007 | 1773 | 2565 | 2904 | |
| -130 | 0.16 | 0.57 | 1.17 | 1.96 | 3.30 | 5.89 | 9.92 | 14.1 | 19.1 | 94.8 | 218 | 325 | 396 | 585 | 1052 | 1842 | 2612 | 2904 | |
| -120 | 0.18 | 0.59 | 1.17 | 1.97 | 3.38 | 6.12 | 10.2 | 14.3 | 20.0 | 97.4 | 221 | 327 | 401 | 603 | 1098 | 1898 | 2677 | 2904 | |
| -110 | 0.20 | 0.61 | 1.20 | 2.02 | 3.50 | 6.37 | 10.6 | 14.6 | 21.0 | 102 | 228 | 330 | 409 | 626 | 1135 | 1945 | 2705 | 2904 | |
| -100 | 0.21 | 0.63 | 1.23 | 2.06 | 3.62 | 6.66 | 11.1 | 14.9 | 23.7 | 107 | 234 | 333 | 413 | 640 | 1168 | 1997 | 2745 | 2904 | |
| -90 | 0.22 | 0.64 | 1.24 | 2.08 | 3.73 | 7.03 | 11.8 | 15.6 | 21.4 | 112 | 244 | 338 | 417 | 657 | 1203 | 2056 | 2797 | 2904 | |
| -80 | 0.22 | 0.66 | 1.27 | 2.13 | 3.86 | 7.38 | 12.2 | 15.9 | 26.5 | 119 | 252 | 341 | 426 | 674 | 1241 | 2074 | 2796 | 2904 | |
| -70 | 0.24 | 0.70 | 1.32 | 2.23 | 4.04 | 7.73 | 12.6 | 16.2 | 28.4 | 127 | 259 | 343 | 435 | 693 | 1271 | 2092 | 2804 | 2904 | |
| -60 | 0.27 | 0.75 | 1.38 | 2.30 | 4.22 | 7.85 | 12.8 | 16.2 | 31.7 | 135 | 267 | 347 | 440 | 696 | 1285 | 2109 | 2817 | 2904 | |
| -50 | 0.31 | 0.80 | 1.42 | 2.36 | 4.34 | 7.80 | 12.6 | 16.0 | 30.7 | 143 | 274 | 349 | 445 | 710 | 1289 | 2104 | 2792 | 2904 | |
| -40 | 0.33 | 0.81 | 1.47 | 2.40 | 4.33 | 7.64 | 12.3 | 15.7 | 35.1 | 151 | 280 | 353 | 450 | 711 | 1295 | 2104 | 2781 | 2904 | |
| -30 | 0.33 | 0.83 | 1.51 | 2.45 | 4.27 | 7.49 | 12.1 | 15.7 | 40.3 | 158 | 286 | 355 | 453 | 714 | 1283 | 2104 | 2785 | 2904 | |
| -20 | 0.35 | 0.87 | 1.55 | 2.49 | 4.19 | 7.39 | 11.9 | 15.6 | 46.1 | 164 | 290 | 358 | 456 | 725 | 1283 | 2068 | 2755 | 2904 | |
| -10 | 0.34 | 0.88 | 1.60 | 2.53 | 4.13 | 7.22 | 11.6 | 15.7 | 49.5 | 169 | 290 | 362 | 458 | 699 | 1244 | 2041 | 2737 | 2904 | |
| 0 | 0.35 | 0.94 | 1.67 | 2.60 | 4.06 | 7.00 | 11.3 | 15.2 | 50.4 | 173 | 297 | 364 | 456 | 689 | 1223 | 2021 | 2729 | 2904 | |
| 10 | 0.38 | 0.95 | 1.69 | 2.62 | 4.04 | 6.79 | 10.9 | 15.3 | 55.4 | 172 | 290 | 361 | 449 | 669 | 1169 | 1934 | 2661 | 2904 | |
| 20 | 0.44 | 0.98 | 1.72 | 2.62 | 3.96 | 6.58 | 10.7 | 14.9 | 54.5 | 169 | 289 | 359 | 444 | 656 | 1119 | 1863 | 2605 | 2904 | |
| 30 | 0.47 | 1.03 | 1.76 | 2.64 | 3.94 | 6.47 | 10.6 | 14.9 | 51.8 | 164 | 279 | 355 | 437 | 627 | 1081 | 1801 | 2560 | 2904 | |
| 40 | 0.46 | 1.07 | 1.80 | 2.70 | 4.02 | 6.53 | 10.7 | 14.8 | 46.3 | 152 | 270 | 351 | 429 | 608 | 1027 | 1743 | 2493 | 2904 | |
| 50 | 0.46 | 1.07 | 1.85 | 2.76 | 4.09 | 6.63 | 10.8 | 15.0 | 37.8 | 144 | 262 | 346 | 420 | 587 | 986 | 1678 | 2443 | 2904 | |
| 60 | 0.45 | 1.06 | 1.81 | 2.72 | 4.06 | 6.70 | 10.9 | 15.1 | 34.9 | 132 | 252 | 341 | 414 | 566 | 948 | 1625 | 2413 | 2904 | |
| 70 | 0.41 | 1.04 | 1.79 | 2.71 | 4.07 | 6.76 | 11.1 | 15.4 | 29.7 | 122 | 243 | 338 | 408 | 554 | 913 | 1559 | 2358 | 2904 | |
| 80 | 0.39 | 1.00 | 1.78 | 2.72 | 4.08 | 6.82 | 11.2 | 15.7 | 25.7 | 111 | 234 | 333 | 401 | 535 | 878 | 1510 | 2323 | 2904 | |
| 90 | 0.36 | 0.97 | 1.74 | 2.68 | 4.04 | 6.82 | 11.5 | 16.3 | 21.4 | 101 | 227 | 329 | 396 | 521 | 849 | 1478 | 2307 | 2904 | |
| 100 | 0.34 | 0.95 | 1.72 | 2.66 | 4.05 | 6.80 | 11.7 | 16.6 | 22.8 | 93.9 | 219 | 326 | 392 | 513 | 828 | 1440 | 2265 | 2904 | |
| 110 | 0.30 | 0.93 | 1.70 | 2.61 | 4.01 | 6.71 | 11.7 | 16.8 | 21.1 | 89.0 | 212 | 320 | 389 | 508 | 815 | 1420 | 2243 | 2904 | |
| 120 | 0.30 | 0.92 | 1.66 | 2.54 | 3.88 | 6.61 | 11.5 | 16.8 | 20.6 | 85.1 | 207 | 318 | 386 | 498 | 800 | 1408 | 2243 | 2904 | |
| 130 | 0.29 | 0.88 | 1.60 | 2.47 | 3.75 | 6.47 | 11.1 | 16.7 | 20.0 | 82.2 | 205 | 317 | 382 | 497 | 794 | 1395 | 2225 | 2904 | |
| 140 | 0.24 | 0.83 | 1.56 | 2.39 | 3.62 | 6.20 | 10.8 | 16.2 | 19.8 | 82.6 | 205 | 316 | 380 | 495 | 797 | 1407 | 2230 | 2904 | |
| 150 | 0.18 | 0.69 | 1.41 | 2.31 | 3.50 | 5.92 | 10.5 | 15.5 | 19.4 | 83.2 | 206 | 315 | 378 | 498 | 798 | 1432 | 2258 | 2904 | |
| 160 | 0.18 | 0.65 | 1.22 | 2.22 | 3.40 | 5.68 | 10.1 | 14.9 | 20.1 | 85.9 | 209 | 315 | 378 | 504 | 824 | 1447 | 2282 | 2904 | |
| 170 | 0.18 | 0.63 | 1.13 | 2.16 | 3.33 | 5.56 | 9.70 | 14.4 | 20.6 | 92.7 | 213 | 316 | 379 | 509 | 866 | 1479 | 2326 | 2904 | |
| 180 | 0.19 | 0.69 | 1.35 | 2.16 | 3.30 | 5.51 | 9.45 | 14.3 | 18.5 | 90.4 | 216 | 320 | 380 | 515 | 858 | 1540 | 2391 | 2904 | |

C Range: 0 - 360DEG

C Interval: 2.5DEG

Test Speed: HIGH

Temperature:25.3°C

Operators:

Test Date:25 January 2023

γ Range: 0 - 180DEG

γ Interval: 2.5DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456

Humidity:65.0%

Test Distance:6.340m [K=1.0000]

Remarks: