

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

| | |
|------------------------------------|------------------------|
| Maximum Intensity | 284.0 cd per klm. |
| (Luminaire orientation as tested.) | 0.0 degrees vertical |
| | 0.0 degrees horizontal |

| | | |
|-------------|----------------------------|-----------------|
| Beam Spread | At 10% of I _{max} | 162.6V x 166.3H |
| | At 50% of I _{max} | 145.3V x 142.8H |
| | At 90% of I _{max} | 132.6V x 49.5H |

| | | |
|-----------|----------------------------|-----------------------|
| Beam Flux | Total | 958.3 lumens per klm. |
| | To 10% of I _{max} | 938.9 lumens per klm. |
| | To 50% of I _{max} | 837.7 lumens per klm. |
| | To 90% of I _{max} | 70.9 lumens per klm. |

| | |
|--------------|--------|
| Upward LOR | 0.6 % |
| Downward LOR | 95.2 % |

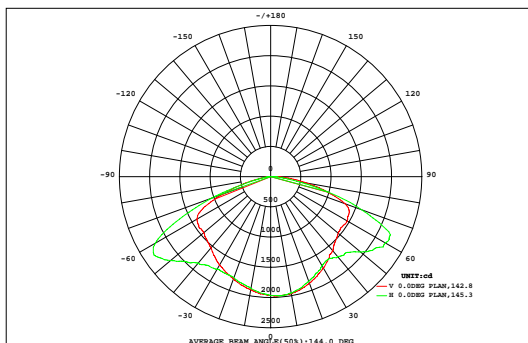
| | |
|------------------------------------------|--------|
| Luminaire Efficiency(Light Output Ratio) | 95.8 % |
|------------------------------------------|--------|

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:YangWenPeng
Test Date:2023-11-22

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.835m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|-----------------------|-------|------------------|
| NAME: TP421-W60-5000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.: | Shielding Angle: |



| DATA OF LAMP | | Eff:136.34lm/W | |
|------------------|-----------------|-----------------|------------|
| MODEL | TP421-W60-5000K | Imax(cd) | 2324 |
| NOMINAL POWER(W) | 60 | AVAILABILITY(%) | 93.9 |
| RATED VOLTAGE(V) | 220 | Avai. FLUX(lm) | 7980 |
| NOMINAL FLUX(lm) | 8180.4 | LOR(%) | 95.8 |
| LAMPS INSIDE | 1 | TOTAL FLUX(lm) | 8182 |
| TEST VOLTAGE(V) | 219.9 | θ @50%(H,V) | 143,145DEG |

| VERTICAL (DEG) | AREA FLUX DIAGRAM | | | | | | | | | | | | | | | | UNIT:lm | | Φ t | Φ a |
|--------------------------------------------------------------------------|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------|------|------|------|
| | 0.06 | 0.20 | 0.47 | 1.00 | 1.69 | 2.46 | 3.34 | 4.33 | 5.21 | 5.35 | 4.73 | 3.96 | 3.01 | 2.00 | 1.14 | 0.85 | 0.69 | 0.27 | 40.8 | 10.3 |
| 90 | 0.06 | 0.20 | 0.47 | 1.00 | 1.69 | 2.46 | 3.34 | 4.33 | 5.21 | 5.35 | 4.73 | 3.96 | 3.01 | 2.00 | 1.14 | 0.85 | 0.69 | 0.27 | 40.8 | 10.3 |
| 80 | 0.07 | 0.41 | 1.50 | 3.58 | 6.40 | 9.56 | 14.2 | 21.3 | 27.7 | 28.4 | 22.9 | 16.2 | 10.2 | 5.96 | 3.22 | 2.15 | 1.27 | 0.35 | 175 | 161 |
| 70 | 0.08 | 0.83 | 3.51 | 8.65 | 15.6 | 25.3 | 37.4 | 49.7 | 58.8 | 60.4 | 54.3 | 44.0 | 28.5 | 14.6 | 6.34 | 3.94 | 2.03 | 0.45 | 414 | 412 |
| 60 | 0.11 | 1.42 | 6.11 | 14.3 | 26.7 | 40.5 | 51.3 | 57.9 | 62.0 | 63.0 | 60.8 | 56.2 | 43.5 | 25.2 | 11.3 | 6.43 | 2.93 | 0.56 | 530 | 529 |
| 50 | 0.15 | 2.11 | 8.78 | 20.1 | 32.8 | 41.8 | 47.2 | 50.8 | 53.7 | 55.2 | 55.2 | 53.0 | 46.1 | 32.7 | 17.2 | 9.58 | 3.95 | 0.67 | 531 | 530 |
| 40 | 0.19 | 2.79 | 11.4 | 24.0 | 32.3 | 37.8 | 43.5 | 47.9 | 50.6 | 52.0 | 51.9 | 49.0 | 44.4 | 36.4 | 22.9 | 12.6 | 5.01 | 0.79 | 526 | 525 |
| 30 | 0.23 | 3.38 | 13.5 | 25.3 | 31.2 | 36.9 | 43.9 | 50.1 | 53.4 | 54.2 | 52.6 | 47.9 | 42.7 | 35.8 | 26.0 | 15.1 | 6.03 | 0.89 | 539 | 538 |
| 20 | 0.25 | 3.81 | 14.9 | 25.3 | 31.4 | 38.3 | 46.2 | 53.0 | 57.2 | 57.6 | 53.7 | 48.0 | 41.8 | 34.5 | 26.5 | 16.7 | 6.93 | 0.98 | 557 | 557 |
| 10 | 0.26 | 4.02 | 15.4 | 25.2 | 31.9 | 39.8 | 47.8 | 54.5 | 59.0 | 59.3 | 55.1 | 49.4 | 41.6 | 33.3 | 25.8 | 17.8 | 7.62 | 1.04 | 569 | 568 |
| 0 | 0.26 | 4.04 | 15.6 | 25.6 | 32.6 | 40.6 | 48.2 | 54.6 | 58.4 | 58.6 | 55.7 | 49.5 | 41.3 | 32.9 | 25.6 | 18.2 | 7.76 | 1.04 | 571 | 570 |
| -10 | 0.26 | 3.87 | 15.3 | 26.7 | 33.6 | 40.7 | 48.1 | 53.5 | 55.8 | 55.5 | 53.1 | 47.7 | 40.5 | 33.2 | 26.2 | 18.0 | 7.36 | 1.00 | 560 | 560 |
| -20 | 0.25 | 3.47 | 14.2 | 27.3 | 35.1 | 41.2 | 48.1 | 52.9 | 54.1 | 53.3 | 50.9 | 46.5 | 40.1 | 33.8 | 26.7 | 17.3 | 6.70 | 0.93 | 553 | 552 |
| -30 | 0.22 | 2.89 | 12.1 | 26.4 | 37.1 | 44.6 | 50.4 | 54.2 | 55.1 | 54.3 | 51.8 | 47.7 | 42.2 | 34.8 | 26.4 | 15.7 | 5.82 | 0.83 | 563 | 562 |
| -40 | 0.18 | 2.24 | 9.46 | 22.2 | 36.5 | 48.1 | 56.6 | 59.9 | 60.7 | 59.7 | 56.9 | 52.7 | 45.4 | 35.3 | 24.1 | 13.1 | 4.79 | 0.72 | 588 | 588 |
| -50 | 0.14 | 1.65 | 6.48 | 15.8 | 26.8 | 40.0 | 53.5 | 62.9 | 67.6 | 67.1 | 62.2 | 54.5 | 42.7 | 29.7 | 18.5 | 9.85 | 3.68 | 0.61 | 564 | 563 |
| -60 | 0.11 | 1.13 | 4.05 | 8.92 | 14.4 | 20.7 | 28.9 | 39.6 | 47.6 | 48.8 | 43.0 | 34.0 | 25.0 | 17.7 | 11.8 | 6.60 | 2.59 | 0.49 | 355 | 353 |
| -70 | 0.10 | 0.66 | 2.32 | 4.45 | 5.84 | 6.80 | 8.29 | 11.4 | 14.1 | 14.7 | 13.0 | 10.5 | 9.00 | 7.91 | 6.09 | 3.68 | 1.64 | 0.39 | 121 | 102 |
| -80 | 0.08 | 0.37 | 1.00 | 1.66 | 1.84 | 1.70 | 1.64 | 1.86 | 1.96 | 2.09 | 2.23 | 2.19 | 2.33 | 2.45 | 2.16 | 1.59 | 0.94 | 0.30 | 28.4 | 0.00 |
| -90 | 0.08 | 0.37 | 1.00 | 1.66 | 1.84 | 1.70 | 1.64 | 1.86 | 1.96 | 2.09 | 2.23 | 2.19 | 2.33 | 2.45 | 2.16 | 1.59 | 0.94 | 0.30 | 28.4 | 0.00 |
| -90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL (DEG) 20 30 40 50 60 70 80 90 | | | | | | | | | | | | | | | | | | | | |
| Φ t | 3.00 | 39.3 | 156 | 306 | 434 | 557 | 679 | 780 | 843 | 849 | 800 | 713 | 590 | 448 | 308 | 189 | 77.7 | 12.3 | 7786 | --- |
| Φ a | 0.00 | 31.0 | 150 | 301 | 427 | 550 | 672 | 774 | 838 | 844 | 794 | 707 | 584 | 442 | 302 | 184 | 73.1 | 8.51 | --- | 7680 |

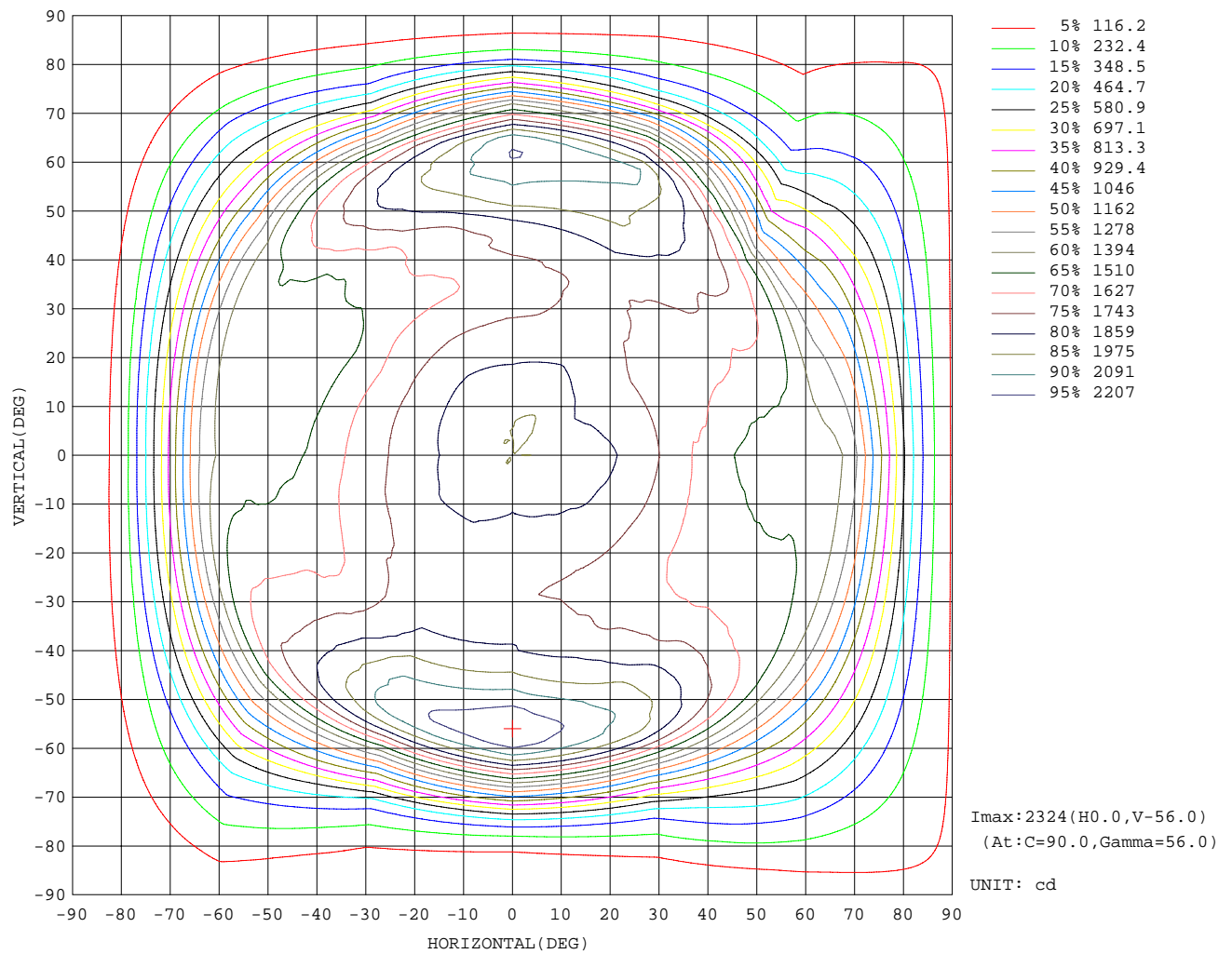
one-half-peak spread: U:14.4,D:11.0 , L:13.2,R:15.8

NEMA Beam Type: Type 7

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.0DEG
Operators:YangWenPeng
Test Date:2023-11-22

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.835m [K=1.0000]
Remarks:

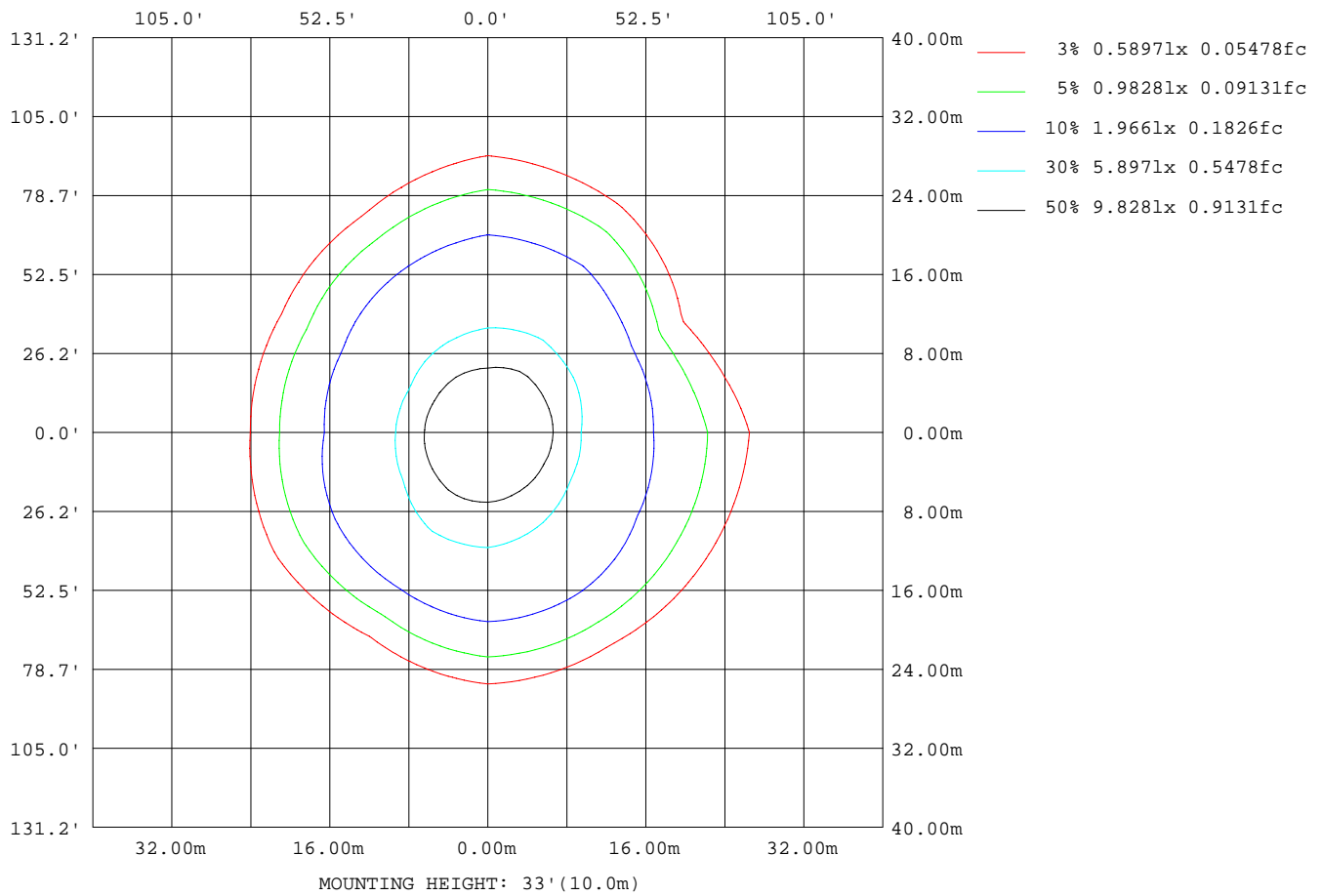
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: YangWenPeng
Test Date: 2023-11-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 8.835m [K=1.0000]
Remarks:

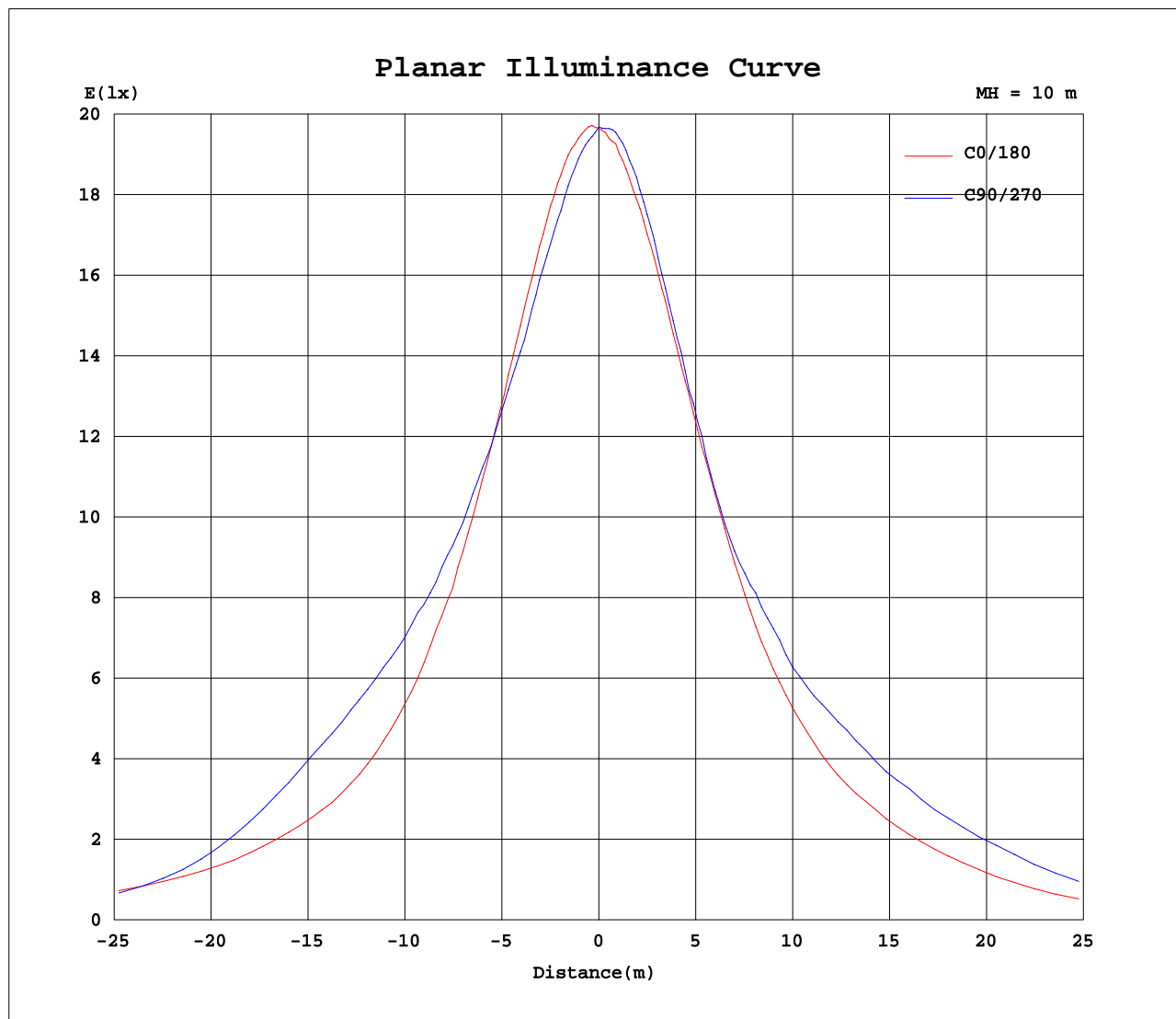
ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: YangWenPeng
Test Date: 2023-11-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 8.835m [K=1.0000]
Remarks:

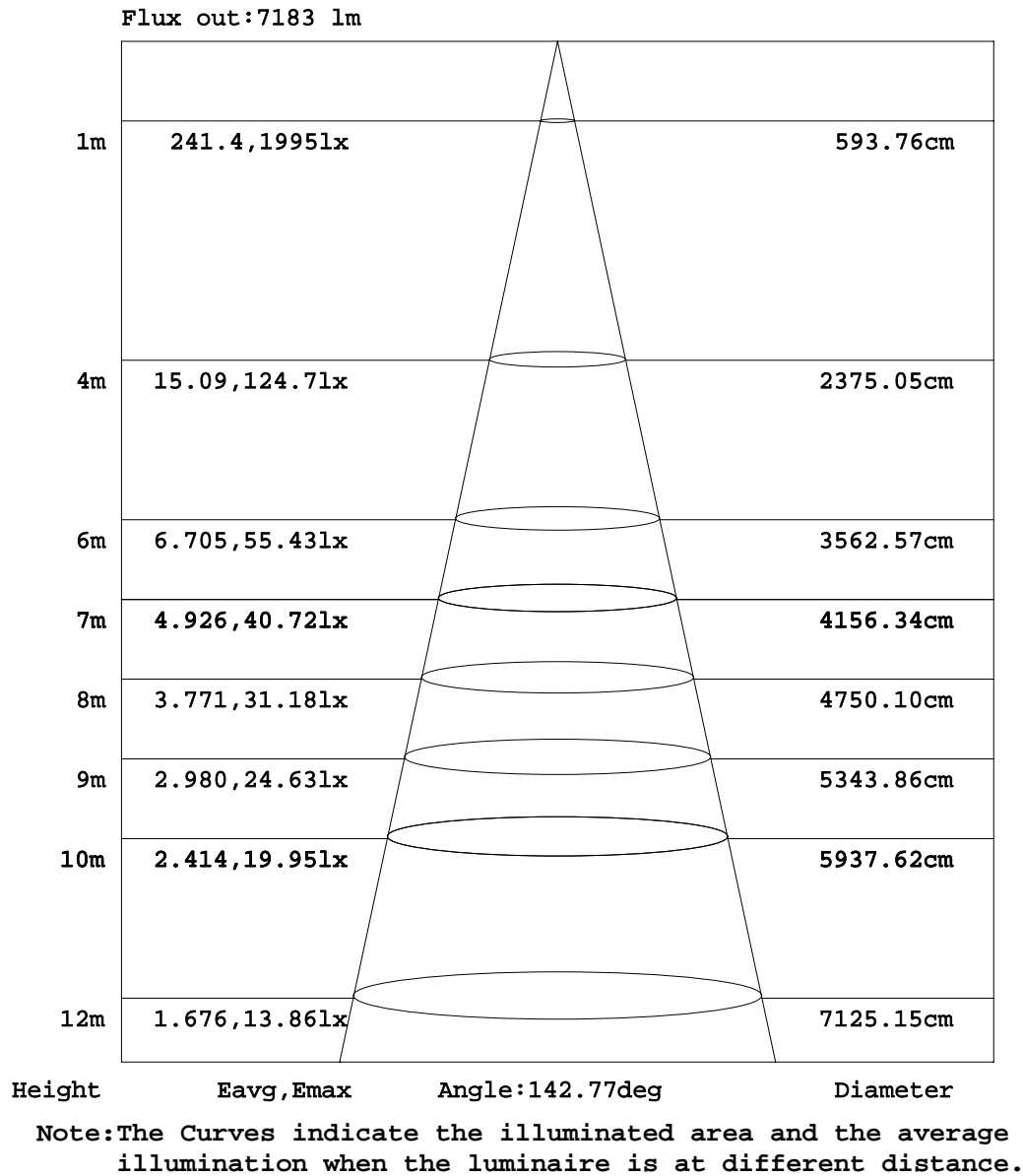
Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: YangWenPeng
Test Date: 2023-11-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 8.835m [K=1.0000]
Remarks:

AAI Figure



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: YangWenPeng
 Test Date: 2023-11-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 8.835m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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 | 21.8 | 14.1 | 7.90 | 4.55 | 2.63 | 1.93 | 1.43 | 1.24 | 1.43 | 1.69 | 1.88 | 2.01 | 2.07 | 2.14 | 2.21 | 2.28 | 2.36 | 2.46 | 2.48 |
| -170 | 21.8 | 14.7 | 8.60 | 5.35 | 3.38 | 2.55 | 2.09 | 1.86 | 1.89 | 2.03 | 2.17 | 2.33 | 2.47 | 2.62 | 2.77 | 2.80 | 2.68 | 2.61 | 2.56 |
| -160 | 21.8 | 15.4 | 9.61 | 6.39 | 4.37 | 3.32 | 2.85 | 2.59 | 2.48 | 2.45 | 2.45 | 2.59 | 2.74 | 2.76 | 2.76 | 2.72 | 2.68 | 2.66 | 2.64 |
| -150 | 21.8 | 16.4 | 11.0 | 7.79 | 5.80 | 4.49 | 3.80 | 3.50 | 3.36 | 3.20 | 3.01 | 2.72 | 2.66 | 2.67 | 2.67 | 2.66 | 2.65 | 2.62 | 2.59 |
| -140 | 21.8 | 17.6 | 12.9 | 9.58 | 7.74 | 6.19 | 5.19 | 4.70 | 4.51 | 4.17 | 3.63 | 3.18 | 2.88 | 2.70 | 2.61 | 2.58 | 2.58 | 2.57 | 2.57 |
| -130 | 21.8 | 18.9 | 15.3 | 12.0 | 10.1 | 8.95 | 7.69 | 6.85 | 5.71 | 5.14 | 4.63 | 4.21 | 3.81 | 3.49 | 3.22 | 3.06 | 2.94 | 2.87 | 2.83 |
| -120 | 21.8 | 20.2 | 18.5 | 15.7 | 13.5 | 12.3 | 11.6 | 10.5 | 8.64 | 7.35 | 6.44 | 5.77 | 5.40 | 5.10 | 4.88 | 4.71 | 4.59 | 4.51 | 4.48 |
| -110 | 21.8 | 21.4 | 21.9 | 21.0 | 19.4 | 18.0 | 16.9 | 15.3 | 13.6 | 12.2 | 10.8 | 9.49 | 8.43 | 7.98 | 7.80 | 7.69 | 7.63 | 7.62 | 7.69 |
| -100 | 21.8 | 22.7 | 24.2 | 26.2 | 27.9 | 28.8 | 28.9 | 26.0 | 23.4 | 21.4 | 19.7 | 18.3 | 17.2 | 17.1 | 17.1 | 17.2 | 17.4 | 17.7 | 18.2 |
| -90 | 21.8 | 24.8 | 27.9 | 31.0 | 34.0 | 37.1 | 40.1 | 40.3 | 40.5 | 40.7 | 40.8 | 41.0 | 41.2 | 41.3 | 41.4 | 41.5 | 41.6 | 41.7 | 41.8 |
| -80 | 21.8 | 28.8 | 41.9 | 60.5 | 84.9 | 117 | 156 | 161 | 160 | 157 | 148 | 137 | 123 | 130 | 137 | 143 | 148 | 150 | 150 |
| -70 | 21.8 | 32.5 | 53.1 | 101 | 168 | 239 | 316 | 359 | 387 | 414 | 441 | 462 | 482 | 571 | 693 | 803 | 897 | 975 | 1035 |
| -60 | 21.8 | 34.8 | 77.2 | 166 | 260 | 383 | 534 | 703 | 824 | 960 | 1080 | 1214 | 1355 | 1530 | 1739 | 1906 | 2032 | 2128 | 2201 |
| -50 | 21.8 | 35.5 | 114 | 223 | 383 | 600 | 847 | 1097 | 1307 | 1525 | 1736 | 1908 | 2047 | 2152 | 2170 | 2166 | 2161 | 2154 | 2158 |
| -40 | 21.8 | 34.9 | 146 | 282 | 531 | 826 | 1127 | 1415 | 1662 | 1767 | 1829 | 1883 | 1913 | 1933 | 1946 | 1911 | 1885 | 1872 | 1866 |
| -30 | 21.8 | 39.7 | 168 | 365 | 670 | 1017 | 1344 | 1589 | 1659 | 1676 | 1687 | 1697 | 1722 | 1758 | 1794 | 1813 | 1803 | 1785 | 1769 |
| -20 | 21.8 | 44.8 | 179 | 425 | 771 | 1146 | 1454 | 1569 | 1585 | 1596 | 1598 | 1621 | 1689 | 1740 | 1775 | 1801 | 1815 | 1799 | 1781 |
| -10 | 21.8 | 46.4 | 180 | 459 | 833 | 1220 | 1451 | 1508 | 1511 | 1538 | 1567 | 1635 | 1699 | 1753 | 1798 | 1845 | 1878 | 1892 | 1878 |
| 0 | 21.8 | 44.8 | 174 | 464 | 843 | 1231 | 1406 | 1451 | 1445 | 1487 | 1536 | 1612 | 1689 | 1748 | 1802 | 1858 | 1898 | 1948 | 1966 |
| 10 | 21.8 | 44.6 | 177 | 457 | 819 | 1200 | 1411 | 1458 | 1435 | 1476 | 1501 | 1576 | 1646 | 1708 | 1781 | 1841 | 1898 | 1933 | 1954 |
| 20 | 21.8 | 41.2 | 170 | 421 | 747 | 1108 | 1382 | 1467 | 1460 | 1440 | 1471 | 1486 | 1560 | 1636 | 1703 | 1757 | 1805 | 1833 | 1839 |
| 30 | 21.8 | 34.7 | 152 | 360 | 640 | 960 | 1269 | 1453 | 1497 | 1458 | 1434 | 1497 | 1519 | 1553 | 1594 | 1655 | 1682 | 1697 | 1703 |
| 40 | 21.8 | 28.4 | 125 | 271 | 513 | 769 | 1043 | 1300 | 1468 | 1549 | 1583 | 1572 | 1577 | 1601 | 1644 | 1672 | 1687 | 1702 | 1728 |
| 50 | 21.8 | 27.6 | 95.0 | 196 | 370 | 566 | 766 | 977 | 1218 | 1459 | 1627 | 1733 | 1815 | 1845 | 1862 | 1869 | 1877 | 1902 | 1939 |
| 60 | 21.8 | 26.0 | 59.1 | 126 | 226 | 362 | 509 | 643 | 796 | 978 | 1182 | 1405 | 1594 | 1766 | 1898 | 1997 | 2066 | 2128 | 2190 |
| 70 | 21.8 | 24.5 | 33.8 | 70.9 | 117 | 160 | 260 | 342 | 409 | 481 | 557 | 636 | 725 | 882 | 1057 | 1217 | 1362 | 1488 | 1597 |
| 80 | 21.8 | 23.6 | 25.0 | 30.6 | 44.4 | 67.4 | 94.8 | 116 | 133 | 151 | 170 | 193 | 214 | 247 | 286 | 326 | 366 | 404 | 437 |
| 90 | 21.8 | 22.3 | 22.8 | 23.3 | 23.7 | 24.2 | 24.7 | 26.9 | 29.0 | 31.2 | 33.3 | 35.5 | 37.6 | 39.8 | 41.9 | 44.1 | 46.2 | 48.4 | 50.5 |
| 100 | 21.8 | 20.8 | 20.0 | 19.4 | 18.9 | 18.5 | 18.1 | 18.5 | 18.7 | 18.8 | 18.9 | 19.0 | 19.2 | 19.7 | 20.3 | 21.0 | 21.7 | 22.5 | 23.5 |
| 110 | 21.8 | 19.4 | 17.6 | 15.9 | 14.4 | 13.1 | 11.8 | 10.7 | 9.98 | 9.55 | 9.23 | 8.85 | 8.56 | 8.35 | 8.22 | 8.18 | 8.25 | 8.40 | 8.67 |
| 120 | 21.8 | 18.2 | 15.3 | 12.6 | 10.3 | 8.30 | 6.61 | 5.49 | 5.01 | 4.73 | 4.48 | 4.32 | 4.23 | 4.15 | 4.03 | 3.96 | 3.93 | 3.95 | 4.05 |
| 130 | 21.8 | 17.1 | 13.1 | 9.86 | 7.26 | 5.29 | 4.09 | 3.41 | 2.87 | 2.69 | 2.59 | 2.47 | 2.41 | 2.35 | 2.28 | 2.23 | 2.23 | 2.24 | 2.29 |
| 140 | 21.8 | 16.2 | 11.4 | 7.83 | 5.26 | 3.70 | 2.88 | 2.26 | 1.96 | 1.86 | 1.83 | 1.82 | 1.82 | 1.88 | 1.97 | 2.02 | 2.08 | 2.14 | 2.19 |
| 150 | 21.8 | 15.4 | 9.99 | 6.37 | 4.05 | 2.87 | 2.16 | 1.79 | 1.61 | 1.60 | 1.65 | 1.78 | 1.93 | 2.08 | 2.24 | 2.40 | 2.49 | 2.59 | 2.67 |
| 160 | 21.8 | 14.8 | 8.97 | 5.40 | 3.30 | 2.36 | 1.80 | 1.50 | 1.48 | 1.60 | 1.76 | 1.94 | 2.06 | 2.17 | 2.28 | 2.38 | 2.47 | 2.52 | 2.58 |
| 170 | 21.8 | 14.4 | 8.28 | 4.84 | 2.87 | 2.08 | 1.57 | 1.35 | 1.44 | 1.67 | 1.85 | 2.01 | 2.09 | 2.14 | 2.19 | 2.26 | 2.34 | 2.42 | 2.46 |
| 180 | 21.8 | 14.1 | 7.90 | 4.55 | 2.63 | 1.93 | 1.43 | 1.24 | 1.43 | 1.69 | 1.88 | 2.01 | 2.07 | 2.14 | 2.21 | 2.28 | 2.36 | 2.46 | 2.47 |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: YangWenPeng
Test Date: 2023-11-22

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 8.835m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: cd

| H(DEC) V(DEC) | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|--|
| -180 | 2.65 | 2.74 | 2.76 | 2.75 | 2.67 | 2.58 | 2.59 | 2.51 | 2.52 | 2.65 | 3.11 | 3.75 | 4.87 | 7.23 | 11.3 | 17.4 | 23.7 | 104 | |
| -170 | 2.64 | 2.71 | 2.75 | 2.71 | 2.64 | 2.56 | 2.53 | 2.50 | 2.50 | 2.70 | 3.18 | 3.84 | 5.03 | 7.44 | 11.6 | 17.6 | 23.8 | 104 | |
| -160 | 2.67 | 2.67 | 2.65 | 2.62 | 2.56 | 2.48 | 2.48 | 2.45 | 2.57 | 2.90 | 3.41 | 4.13 | 5.47 | 8.06 | 12.4 | 18.3 | 23.9 | 104 | |
| -150 | 2.59 | 2.58 | 2.55 | 2.50 | 2.46 | 2.48 | 2.44 | 2.57 | 2.86 | 3.27 | 3.80 | 4.78 | 6.39 | 9.23 | 13.6 | 19.3 | 24.0 | 104 | |
| -140 | 2.54 | 2.53 | 2.51 | 2.48 | 2.51 | 2.66 | 2.85 | 3.15 | 3.46 | 3.84 | 4.72 | 5.90 | 7.95 | 11.1 | 15.5 | 20.8 | 24.3 | 104 | |
| -130 | 2.86 | 2.93 | 3.04 | 3.23 | 3.48 | 3.68 | 3.92 | 4.19 | 4.69 | 5.33 | 6.35 | 8.06 | 10.6 | 13.9 | 18.0 | 22.6 | 25.0 | 104 | |
| -120 | 4.53 | 4.64 | 4.79 | 5.02 | 5.33 | 5.64 | 6.02 | 6.45 | 7.11 | 8.17 | 9.74 | 11.7 | 14.4 | 17.5 | 21.1 | 24.4 | 37.3 | 104 | |
| -110 | 7.77 | 7.94 | 8.18 | 8.52 | 8.98 | 9.55 | 10.3 | 11.3 | 12.5 | 13.8 | 15.5 | 17.5 | 19.8 | 22.4 | 24.8 | 25.6 | 55.5 | 104 | |
| -100 | 17.9 | 17.7 | 17.6 | 17.7 | 17.8 | 18.3 | 19.3 | 20.4 | 21.7 | 23.2 | 24.8 | 26.2 | 26.9 | 27.0 | 32.6 | 50.2 | 74.5 | 104 | |
| -90 | 41.2 | 40.6 | 40.0 | 39.4 | 38.8 | 38.2 | 42.2 | 46.3 | 50.3 | 54.3 | 58.4 | 62.4 | 69.3 | 76.2 | 83.0 | 89.9 | 96.8 | 104 | |
| -80 | 158 | 165 | 168 | 169 | 168 | 167 | 187 | 203 | 214 | 217 | 214 | 205 | 190 | 173 | 157 | 140 | 123 | 104 | |
| -70 | 1006 | 957 | 892 | 812 | 722 | 648 | 613 | 578 | 546 | 525 | 502 | 457 | 389 | 322 | 256 | 199 | 149 | 104 | |
| -60 | 2153 | 2089 | 2009 | 1907 | 1770 | 1583 | 1412 | 1248 | 1103 | 972 | 867 | 748 | 629 | 507 | 383 | 268 | 177 | 104 | |
| -50 | 2121 | 2096 | 2076 | 2049 | 2018 | 1947 | 1849 | 1739 | 1593 | 1414 | 1242 | 1062 | 882 | 701 | 518 | 345 | 205 | 104 | |
| -40 | 1841 | 1830 | 1825 | 1821 | 1796 | 1784 | 1768 | 1718 | 1636 | 1571 | 1492 | 1328 | 1121 | 889 | 648 | 421 | 232 | 104 | |
| -30 | 1755 | 1744 | 1728 | 1715 | 1685 | 1660 | 1633 | 1611 | 1592 | 1566 | 1538 | 1460 | 1303 | 1056 | 772 | 490 | 256 | 104 | |
| -20 | 1781 | 1774 | 1763 | 1732 | 1699 | 1647 | 1604 | 1569 | 1556 | 1534 | 1520 | 1485 | 1395 | 1180 | 869 | 543 | 276 | 104 | |
| -10 | 1884 | 1880 | 1859 | 1819 | 1767 | 1708 | 1643 | 1585 | 1532 | 1496 | 1484 | 1483 | 1428 | 1265 | 932 | 579 | 289 | 104 | |
| 0 | 1973 | 1964 | 1928 | 1878 | 1817 | 1744 | 1664 | 1602 | 1516 | 1461 | 1446 | 1463 | 1432 | 1309 | 966 | 597 | 295 | 104 | |
| 10 | 1961 | 1897 | 1832 | 1799 | 1766 | 1717 | 1670 | 1628 | 1578 | 1530 | 1503 | 1447 | 1357 | 1210 | 898 | 565 | 286 | 104 | |
| 20 | 1847 | 1843 | 1809 | 1771 | 1726 | 1700 | 1687 | 1670 | 1622 | 1604 | 1531 | 1360 | 1249 | 1074 | 804 | 516 | 270 | 104 | |
| 30 | 1729 | 1754 | 1784 | 1769 | 1738 | 1734 | 1747 | 1713 | 1707 | 1613 | 1438 | 1217 | 1082 | 902 | 686 | 455 | 248 | 104 | |
| 40 | 1743 | 1762 | 1784 | 1816 | 1842 | 1845 | 1836 | 1801 | 1666 | 1394 | 1130 | 985 | 872 | 712 | 550 | 383 | 223 | 104 | |
| 50 | 1951 | 1968 | 1989 | 1988 | 1979 | 1937 | 1862 | 1683 | 1377 | 1026 | 764 | 704 | 606 | 529 | 425 | 308 | 195 | 104 | |
| 60 | 2175 | 2163 | 2148 | 2124 | 2037 | 1800 | 1533 | 1229 | 929 | 681 | 454 | 410 | 396 | 361 | 309 | 237 | 166 | 104 | |
| 70 | 1532 | 1449 | 1348 | 1227 | 1079 | 882 | 691 | 544 | 415 | 320 | 249 | 218 | 235 | 226 | 204 | 173 | 139 | 104 | |
| 80 | 411 | 380 | 345 | 310 | 274 | 245 | 220 | 194 | 168 | 143 | 118 | 98.4 | 113 | 119 | 120 | 118 | 114 | 104 | |
| 90 | 49.6 | 48.6 | 47.7 | 46.7 | 45.8 | 44.9 | 41.7 | 38.5 | 35.2 | 32.0 | 28.8 | 25.6 | 38.6 | 51.6 | 64.7 | 77.7 | 90.7 | 104 | |
| 100 | 23.2 | 23.0 | 23.0 | 23.1 | 23.3 | 23.6 | 22.7 | 21.8 | 20.9 | 19.9 | 18.8 | 17.9 | 19.8 | 21.6 | 29.2 | 47.5 | 71.8 | 104 | |
| 110 | 8.52 | 8.51 | 8.62 | 8.90 | 9.36 | 9.83 | 10.0 | 10.3 | 10.5 | 10.7 | 10.6 | 11.3 | 14.3 | 17.7 | 20.8 | 23.0 | 54.2 | 104 | |
| 120 | 3.98 | 3.99 | 4.07 | 4.19 | 4.39 | 4.51 | 4.65 | 4.86 | 5.05 | 5.28 | 5.63 | 7.49 | 10.4 | 13.8 | 18.0 | 22.0 | 36.3 | 104 | |
| 130 | 2.23 | 2.21 | 2.22 | 2.28 | 2.38 | 2.49 | 2.66 | 2.85 | 3.06 | 3.36 | 3.93 | 5.22 | 7.55 | 11.1 | 15.4 | 20.6 | 23.9 | 104 | |
| 140 | 2.09 | 1.97 | 1.85 | 1.74 | 1.72 | 1.75 | 1.80 | 1.90 | 2.07 | 2.41 | 3.17 | 4.30 | 6.00 | 9.04 | 13.6 | 19.2 | 23.4 | 104 | |
| 150 | 2.61 | 2.53 | 2.39 | 2.22 | 2.03 | 1.86 | 1.69 | 1.61 | 1.80 | 2.22 | 2.83 | 3.73 | 5.24 | 7.82 | 12.3 | 18.1 | 23.3 | 104 | |
| 160 | 2.56 | 2.56 | 2.51 | 2.45 | 2.35 | 2.22 | 2.07 | 1.92 | 1.96 | 2.25 | 2.76 | 3.50 | 4.81 | 7.22 | 11.5 | 17.5 | 23.4 | 104 | |
| 170 | 2.47 | 2.44 | 2.39 | 2.42 | 2.45 | 2.43 | 2.40 | 2.27 | 2.24 | 2.40 | 2.87 | 3.55 | 4.72 | 7.05 | 11.2 | 17.3 | 23.6 | 104 | |
| 180 | 2.65 | 2.74 | 2.76 | 2.75 | 2.67 | 2.58 | 2.59 | 2.51 | 2.52 | 2.65 | 3.11 | 3.75 | 4.87 | 7.23 | 11.3 | 17.4 | 23.7 | 104 | |

C Range: 0 - 360DEG

C Interval: 30.0DEG

Test Speed: HIGH

Temperature: 25.0DEG

Operators: YangWenPeng

Test Date: 2023-11-22

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362

Humidity: 65.0%

Test Distance: 8.835m [K=1.0000]

Remarks: