

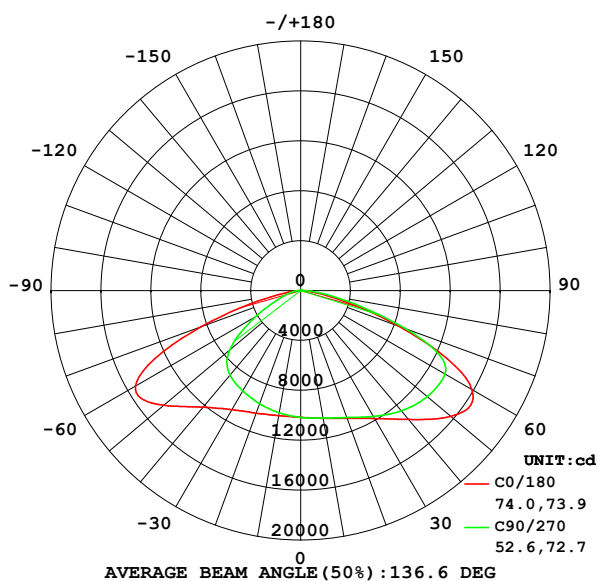
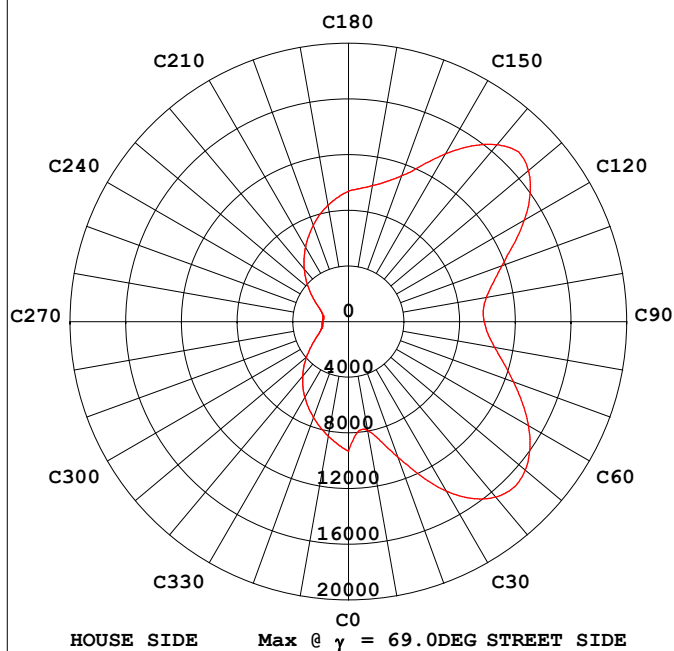
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.12V I:3.1460A P:371.17W PF:0.9988 Freq:60.01Hz

Lamp Flux:53425.5x1 lm

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

| DATA OF LAMP | | PHOTOMETRIC DATA | | | | Eff: 143.94 lm/W |
|-------------------|---------|-----------------------|----------|-------------------|---------|------------------|
| MODEL | | I _{max} (cd) | 17273 | η street_up (%) | 0.2 | |
| NOMINAL POWER (W) | 400 | LOR (%) | 100.0 | η street_down (%) | 60.4 | |
| RATED VOLTAGE (V) | 120 | TOTAL FLUX (lm) | 53426 | η house_up (%) | 0.1 | |
| NOMINAL FLUX (lm) | 53425.5 | MAXIMUM @ (C, γ) | 135,69.0 | η house_down (%) | 39.3 | |
| LAMPS INSIDE | 1 | η up (%) | 0.3 | 76 FLASHAREA (m2) | 0.05000 | |
| TEST VOLTAGE (V) | 120 | η down (%) | 99.7 | SLI | 24.206 | |

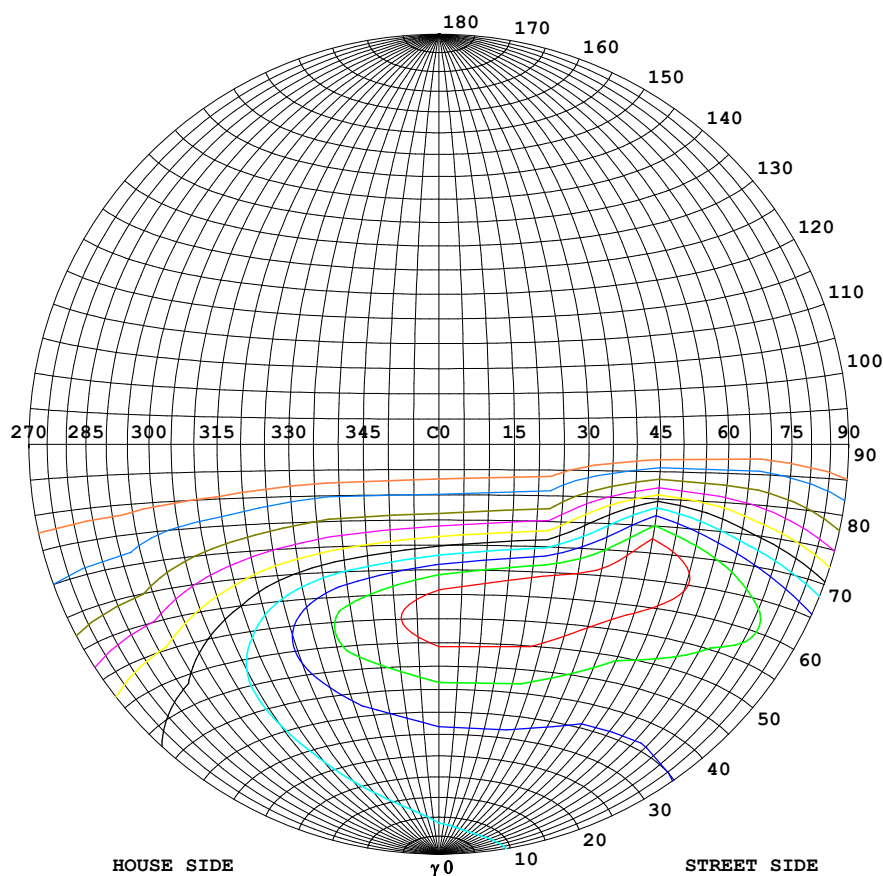
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 29.0℃
Operators:DAMIN
Test Date:2024-03-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

| | | |
|---|-------|------------------|
| Test:U:118.12V I:3.1460A P:371.17W PF:0.9988 Freq:60.01Hz Lamp Flux:53425.5x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.: | Shielding Angle: |



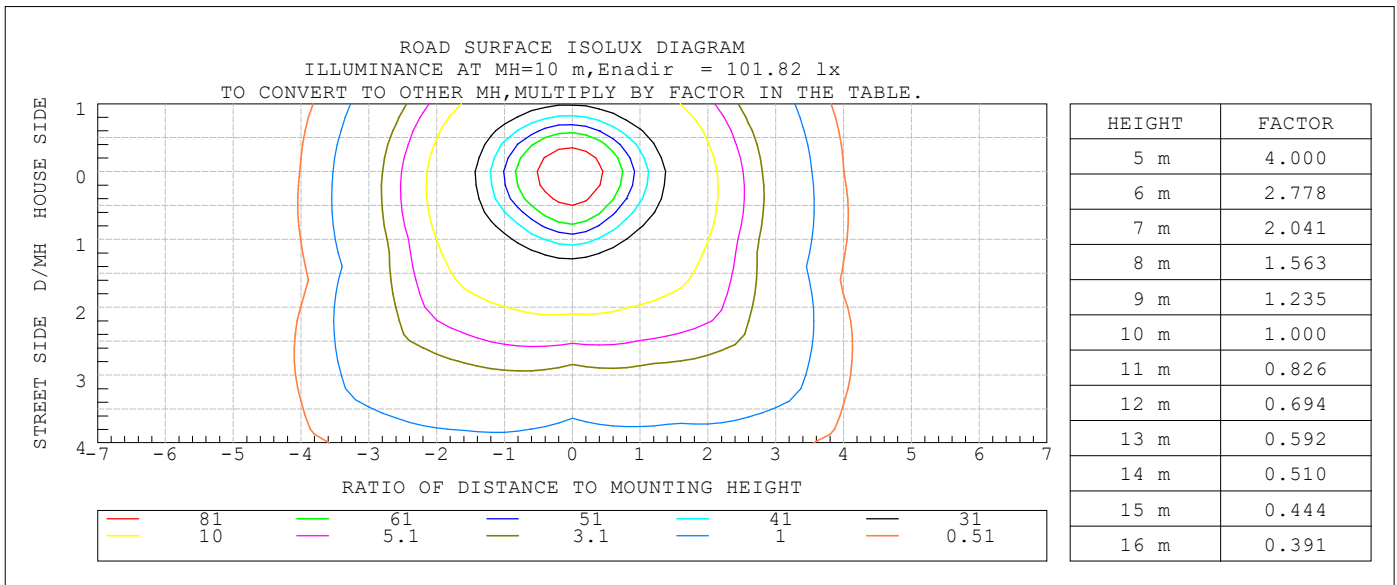
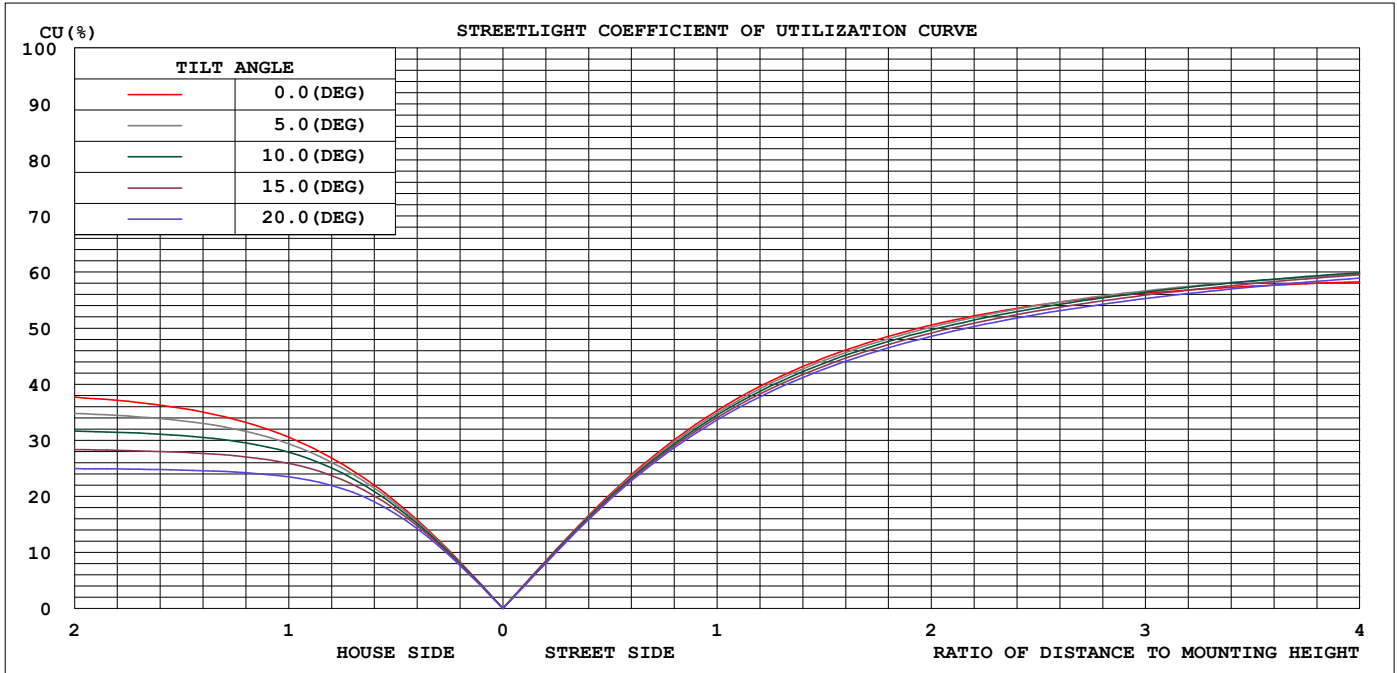
Classification:

IES:Type IV - Short
CIE:Broad - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:149.2cd/klm
Max.At90:2.473cd/klm
Max.80-90:149.2cd/klm

| ISOCANDELA DIAGRAM | | |
|--------------------|-------|--|
| UNIT | cd | |
| Imax=100% | 17273 | |
| 90% | 15546 | |
| 80% | 13818 | |
| 70% | 12091 | |
| 60% | 10364 | |
| 50% | 8637 | |
| 40% | 6909 | |
| 30% | 5182 | |
| 20% | 3455 | |
| 10% | 1727 | |
| 5% | 864 | |

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 29.0℃
Operators:DAMIN
Test Date:2024-03-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 29.0 °C
Operators: DAMIN
Test Date: 2024-03-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance: 26.000m [K=0.4205]
Remarks:

ZONAL FLUX DIAGRAM

| | | |
|---|-------|------------------|
| Test:U:118.12V I:3.1460A P:371.17W PF:0.9988 Freq:60.01Hz Lamp Flux:53425.5x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.: | Shielding Angle: |

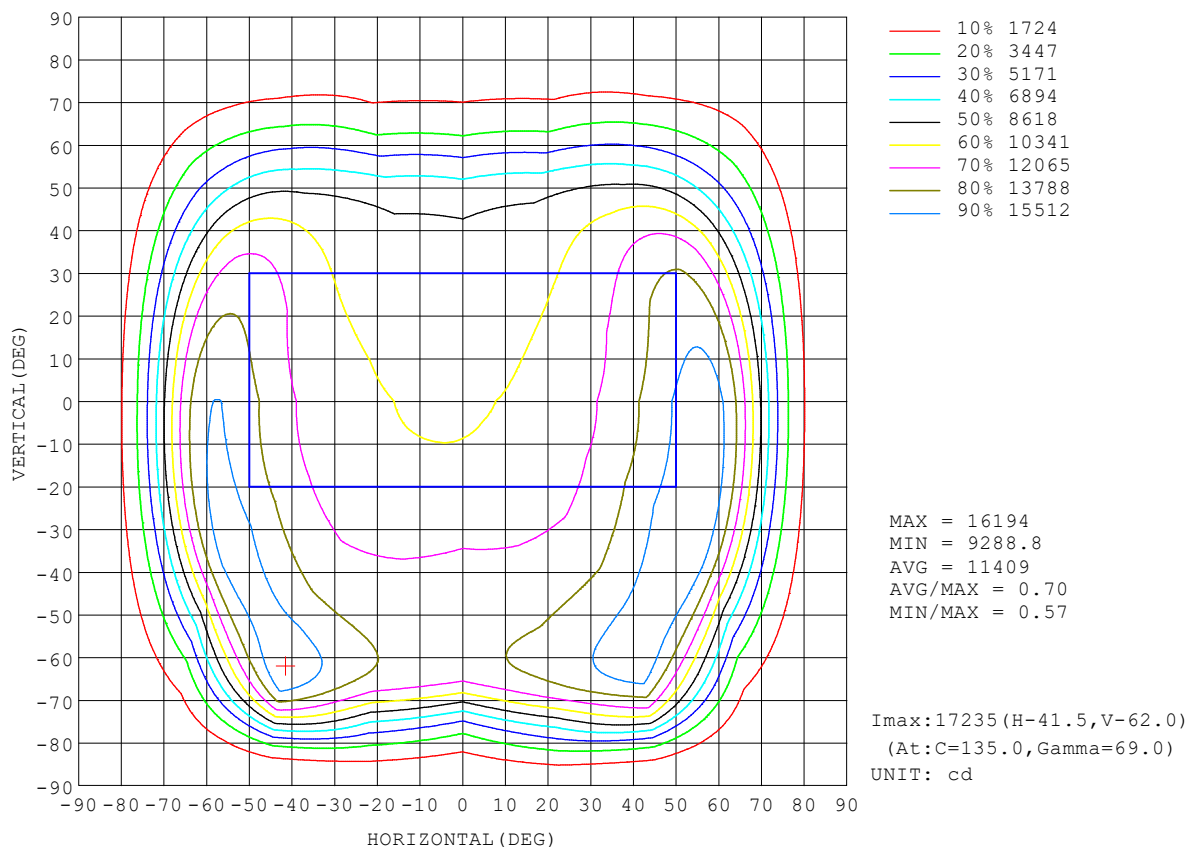
| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum,lamp |
|----------|--------------------------|-------|--------|-------|--------|--------|--------|--------|----------|-------------|--------------|-----------|
| 10 | 1040 | 1045 | 1038 | 1030 | 1019 | 1001 | 995.3 | 1016 | 0- 10 | 973.2 | 973.2 | 1.82,1.82 |
| 20 | 1090 | 1090 | 1083 | 1060 | 1045 | 991.5 | 965.3 | 1026 | 10- 20 | 2928 | 3901 | 7.3,7.3 |
| 30 | 1185 | 1156 | 1165 | 1109 | 1104 | 987.2 | 929.3 | 1044 | 20- 30 | 4923 | 8825 | 16.5,16.5 |
| 40 | 1349 | 1255 | 1258 | 1185 | 1220 | 995.8 | 883.1 | 1074 | 30- 40 | 7026 | 15851 | 29.7,29.7 |
| 50 | 1569 | 1395 | 1324 | 1303 | 1431 | 991.3 | 744.9 | 1076 | 40- 50 | 9270 | 25120 | 47,47 |
| 60 | 1584 | 1582 | 1336 | 1511 | 1528 | 803.9 | 412.8 | 862.5 | 50- 60 | 11088 | 36208 | 67.8,67.8 |
| 70 | 840.5 | 1664 | 895.6 | 1726 | 846.8 | 393.3 | 173.2 | 412.0 | 60- 70 | 10386 | 46595 | 87.2,87.2 |
| 80 | 176.4 | 797.2 | 245.1 | 794.5 | 165.6 | 85.73 | 66.06 | 93.52 | 70- 80 | 5645 | 52240 | 97.8,97.8 |
| 90 | 1.981 | 13.21 | 1.338 | 1.916 | 0.4756 | 0.3562 | 0.2430 | 0.5058 | 80- 90 | 1043 | 53283 | 99.7,99.7 |
| 100 | 2.544 | 1.461 | 0.9009 | 1.591 | 0.3325 | 0.5265 | 0.5506 | 0.4512 | 90-100 | 10.15 | 53293 | 99.8,99.8 |
| 110 | 3.223 | 1.981 | 1.462 | 2.111 | 0.9257 | 1.087 | 1.413 | 0.9015 | 100-110 | 13.92 | 53307 | 99.8,99.8 |
| 120 | 3.470 | 2.322 | 1.727 | 2.514 | 2.349 | 2.710 | 2.643 | 2.249 | 110-120 | 20.27 | 53327 | 99.8,99.8 |
| 130 | 3.477 | 2.898 | 2.007 | 2.885 | 3.054 | 3.184 | 3.132 | 2.752 | 120-130 | 24.62 | 53352 | 99.9,99.9 |
| 140 | 3.686 | 3.302 | 2.915 | 3.207 | 3.217 | 2.971 | 2.958 | 2.783 | 130-140 | 23.38 | 53375 | 99.9,99.9 |
| 150 | 3.800 | 3.625 | 3.522 | 3.379 | 2.977 | 2.836 | 2.814 | 2.612 | 140-150 | 19.55 | 53395 | 99.9,99.9 |
| 160 | 4.281 | 4.025 | 3.810 | 3.652 | 3.636 | 3.226 | 3.211 | 2.915 | 150-160 | 15.29 | 53410 | 100,100 |
| 170 | 4.913 | 4.452 | 4.079 | 3.988 | 5.192 | 4.515 | 4.231 | 4.164 | 160-170 | 11.24 | 53421 | 100,100 |
| 180 | 4.975 | 4.459 | 4.032 | 4.241 | 5.083 | 4.536 | 4.096 | 4.307 | 170-180 | 4.309 | 53426 | 100,100 |
| DEG | LUMINOUS INTENSITY:X10cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 29.0℃
Operators:DAMIN
Test Date:2024-03-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks:

ISOCANDELA DIAGRAM

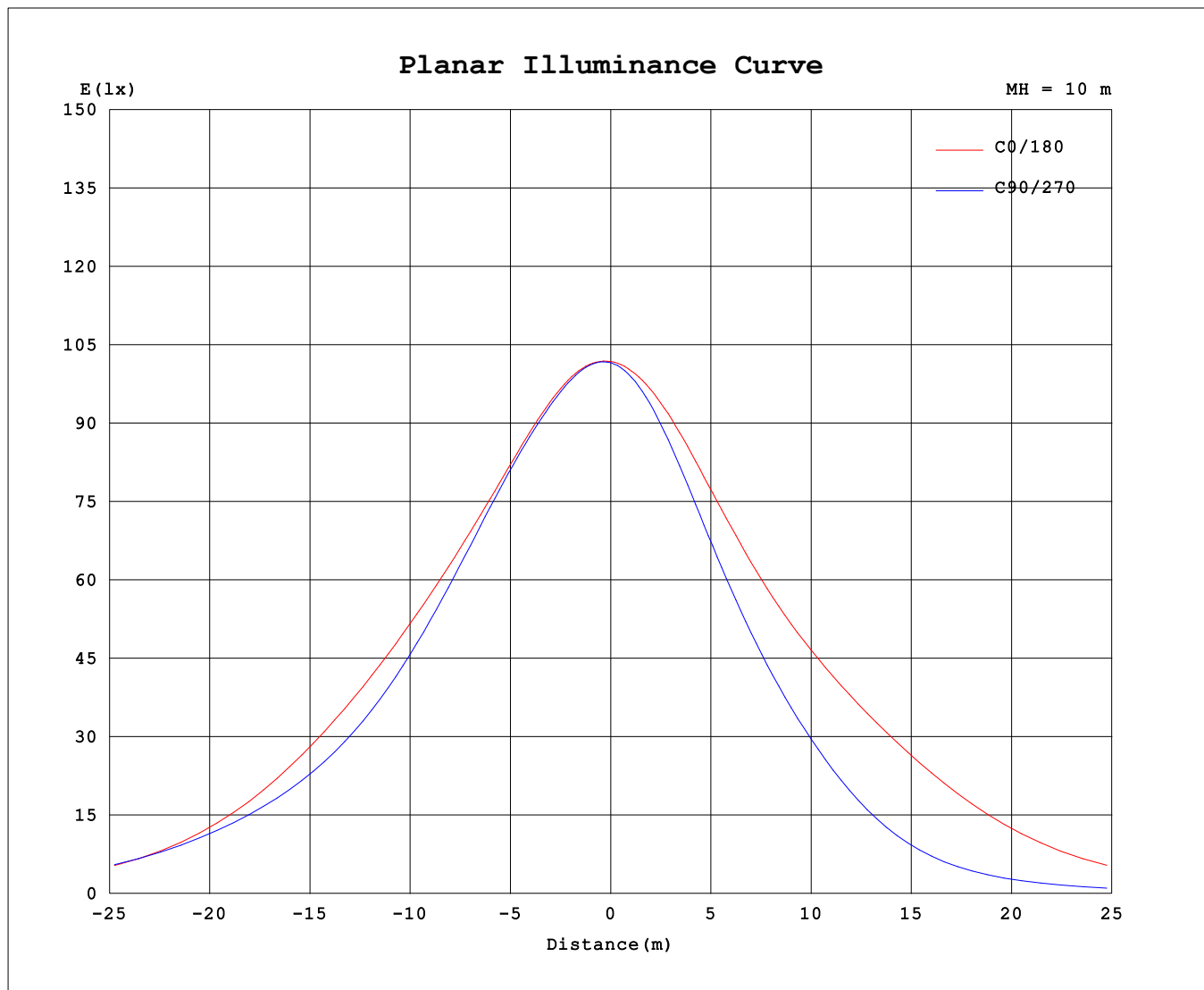
| | | |
|---|-------|------------------|
| Test:U:118.12V I:3.1460A P:371.17W PF:0.9988 Freq:60.01Hz Lamp Flux:53425.5x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 29.0°C
Operators: DAMIN
Test Date: 2024-03-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance: 26.000m [K=0.4205]
Remarks:

Planar Illuminance Curve



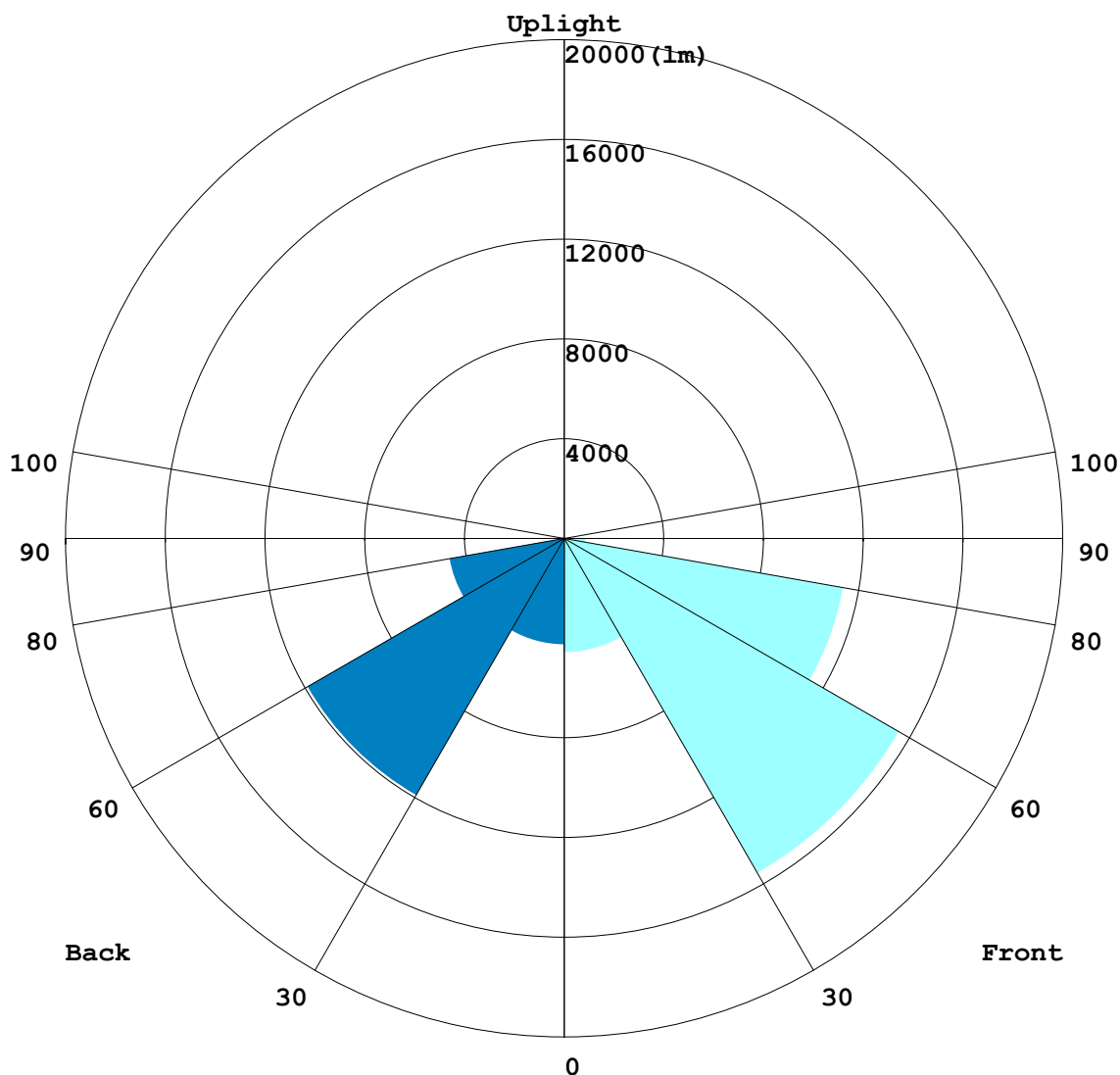
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 29.0 °C
 Operators: DAMIN
 Test Date: 2024-03-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.471
 Humidity: 100.0%
 Test Distance: 26.000m [K=0.4205]
 Remarks:

LCS REPORT

| | | |
|---|-------|------------------|
| Test:U:118.12V I:3.1460A P:371.17W PF:0.9988 Freq:60.01Hz Lamp Flux:53425.5x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.: | Shielding Angle: |

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 29.0℃
Operators:DAMIN
Test Date:2024-03-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks:

BUG REPORT

| | | |
|---|-------|------------------|
| Test:U:118.12V I:3.1460A P:371.17W PF:0.9988 Freq:60.01Hz Lamp Flux:53425.5x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.: | Shielding Angle: |

IESNA Luminaire Flux Distribution Table:

| Zone | Lumens | Luminaire % |
|------------------------------|--------|-------------|
| FL - Front-Low(0-30) | 4568.6 | 8.6 |
| FM - Front-Medium(30-60) | 15500 | 29.0 |
| FH - Front-High(60-80) | 11361 | 21.3 |
| FVH - Front-Very High(80-90) | 850.1 | 1.6 |
| Total Forward Light | 32361 | 60.6 |

| | | |
|-----------------------------|--------|------|
| BL - Back-Low(0-30) | 4256 | 8.0 |
| BM - Back-Medium(30-60) | 11883 | 22.2 |
| BH - Back-High(60-80) | 4671.1 | 8.7 |
| BVH - Back-Very High(80-90) | 192.75 | 0.4 |
| Total Back Light | 21065 | 39.4 |

| | | |
|----------------------------|--------|-----|
| UL - Uplight-Low(90-100) | 10.154 | 0.0 |
| UH - Uplight-High(100-180) | 132.58 | 0.2 |
| Total Up Light | 142.74 | 0.3 |

| | |
|---------------------------|----------|
| BUG(Back,Up,Glare) Rating | B5-U3-G5 |
|---------------------------|----------|

| Zone | Downward Lumens | Upward Lumens | Total Lumens |
|-------------|--------------------|------------------|-----------------|
| House Side | 21003 | 61.512 | 21065 |
| Street Side | 32280 | 81.224 | 32361 |

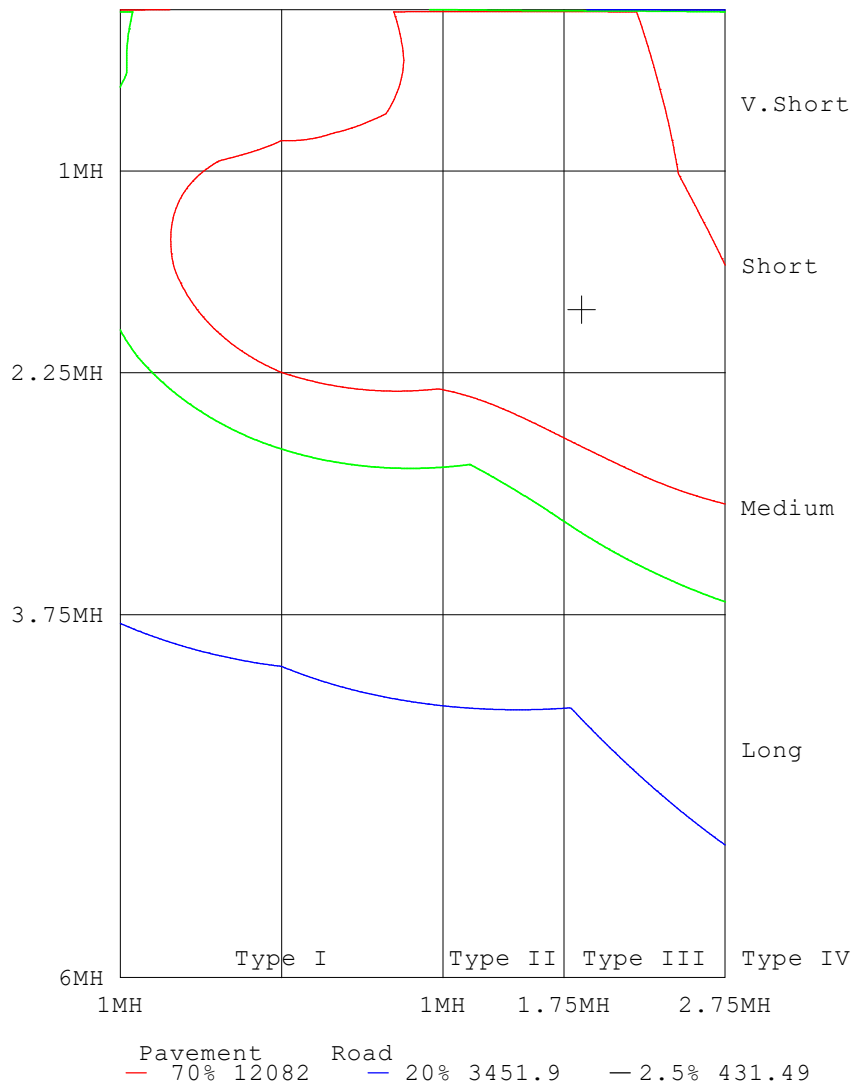
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 29.0℃
Operators:DAMIN
Test Date:2024-03-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks:

ROAD ISOCANDELA REPORT

| | | |
|---|-------|------------------|
| Test:U:118.12V I:3.1460A P:371.17W PF:0.9988 Freq:60.01Hz Lamp Flux:53425.5x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.: | Shielding Angle: |

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 29.0 °C
Operators:DAMIN
Test Date:2024-03-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | | | | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|------------------|--|--|
| Test:U:118.12V I:3.1460A P:371.17W PF:0.9988 Freq:60.01Hz Lamp Flux:53425.5x1 lm | | | | | | | | | | | | | | | | | |
| NAME: | | | | | | | | | TYPE: | | | | | | WEIGHT: | | |
| SPEC.: | | | | | | | | | DIM.: | | | | | | SERIAL No.: | | |
| MFR.: EVERFINE | | | | | | | | | SUR.: | | | | | | Shielding Angle: | | |

Table--1

UNIT: X10cd

| C (DEG) γ (DEG) | 0 | 22.5 | 45 | 67.5 | 90 | 112.5 | 135 | 157.5 | 180 | 202.5 | 225 | 247.5 | 270 | 292.5 | 315 | 337.5 | | | |
|--------------------|------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|--|--|--|
| 0 | 1016 | 1016 | 1016 | 1016 | 1016 | 1016 | 1016 | 1016 | 1016 | 1016 | 1016 | 1016 | 1016 | 1016 | 1016 | 1016 | | | |
| 5 | 1025 | 1027 | 1028 | 1028 | 1026 | 1024 | 1021 | 1018 | 1014 | 1011 | 1007 | 1006 | 1007 | 1010 | 1015 | 1020 | | | |
| 10 | 1040 | 1044 | 1045 | 1042 | 1038 | 1034 | 1030 | 1025 | 1019 | 1010 | 1001 | 994 | 995 | 1003 | 1016 | 1030 | | | |
| 15 | 1061 | 1067 | 1065 | 1061 | 1056 | 1050 | 1042 | 1037 | 1029 | 1015 | 995 | 982 | 981 | 995 | 1020 | 1044 | | | |
| 20 | 1090 | 1096 | 1090 | 1085 | 1083 | 1072 | 1060 | 1053 | 1045 | 1023 | 991 | 967 | 965 | 987 | 1026 | 1065 | | | |
| 25 | 1131 | 1134 | 1120 | 1117 | 1121 | 1102 | 1083 | 1076 | 1069 | 1038 | 989 | 952 | 948 | 977 | 1033 | 1094 | | | |
| 30 | 1185 | 1185 | 1156 | 1156 | 1165 | 1138 | 1109 | 1107 | 1104 | 1060 | 987 | 937 | 929 | 966 | 1044 | 1133 | | | |
| 35 | 1257 | 1254 | 1200 | 1198 | 1212 | 1176 | 1143 | 1152 | 1152 | 1091 | 989 | 921 | 910 | 955 | 1058 | 1185 | | | |
| 40 | 1349 | 1340 | 1255 | 1243 | 1258 | 1214 | 1185 | 1214 | 1220 | 1137 | 996 | 904 | 883 | 938 | 1074 | 1250 | | | |
| 45 | 1459 | 1444 | 1320 | 1290 | 1296 | 1253 | 1238 | 1299 | 1316 | 1200 | 1002 | 873 | 837 | 907 | 1085 | 1328 | | | |
| 50 | 1569 | 1556 | 1395 | 1335 | 1324 | 1291 | 1303 | 1412 | 1431 | 1264 | 991 | 808 | 745 | 840 | 1076 | 1397 | | | |
| 55 | 1641 | 1654 | 1484 | 1380 | 1339 | 1331 | 1393 | 1540 | 1533 | 1289 | 935 | 678 | 591 | 709 | 1013 | 1413 | | | |
| 60 | 1584 | 1681 | 1582 | 1418 | 1336 | 1370 | 1511 | 1632 | 1528 | 1209 | 804 | 494 | 413 | 523 | 862 | 1299 | | | |
| 65 | 1300 | 1497 | 1671 | 1423 | 1233 | 1366 | 1650 | 1514 | 1288 | 977 | 608 | 319 | 269 | 342 | 640 | 1008 | | | |
| 70 | 841 | 1012 | 1664 | 1266 | 896 | 1174 | 1726 | 1059 | 847 | 644 | 393 | 197 | 173 | 213 | 412 | 638 | | | |
| 75 | 428 | 531 | 1385 | 883 | 509 | 786 | 1472 | 573 | 424 | 365 | 211 | 118 | 111 | 127 | 229 | 364 | | | |
| 80 | 176 | 209 | 797 | 505 | 245 | 424 | 795 | 232 | 166 | 141 | 85.7 | 63.3 | 66.1 | 68.9 | 93.5 | 164 | | | |
| 85 | 48.7 | 61.0 | 217 | 200 | 87.8 | 162 | 200 | 60.8 | 38.4 | 23.2 | 20.2 | 21.5 | 28.2 | 24.3 | 26.0 | 36.1 | | | |
| 90 | 1.98 | 1.93 | 13.2 | 2.20 | 1.34 | 1.29 | 1.92 | 1.69 | 0.48 | 0.41 | 0.36 | 0.28 | 0.24 | 0.32 | 0.51 | 0.68 | | | |
| 95 | 2.04 | 1.67 | 1.36 | 0.98 | 0.74 | 0.94 | 1.47 | 1.81 | 0.27 | 0.30 | 0.38 | 0.30 | 0.29 | 0.28 | 0.36 | 0.29 | | | |
| 100 | 2.54 | 2.03 | 1.46 | 1.04 | 0.90 | 1.08 | 1.59 | 2.17 | 0.33 | 0.51 | 0.53 | 0.45 | 0.55 | 0.50 | 0.45 | 0.34 | | | |
| 105 | 2.94 | 2.37 | 1.73 | 1.28 | 1.19 | 1.37 | 1.89 | 2.49 | 0.57 | 0.83 | 0.73 | 0.74 | 0.96 | 0.76 | 0.64 | 0.53 | | | |
| 110 | 3.22 | 2.66 | 1.98 | 1.60 | 1.46 | 1.57 | 2.11 | 2.70 | 0.93 | 1.09 | 1.09 | 1.32 | 1.41 | 1.16 | 0.90 | 0.77 | | | |
| 115 | 3.41 | 2.94 | 2.15 | 1.96 | 1.58 | 1.80 | 2.34 | 2.82 | 1.52 | 1.56 | 1.75 | 2.12 | 2.03 | 1.95 | 1.41 | 1.25 | | | |
| 120 | 3.47 | 3.15 | 2.32 | 2.29 | 1.73 | 1.97 | 2.51 | 2.86 | 2.35 | 2.30 | 2.71 | 2.86 | 2.64 | 2.59 | 2.25 | 1.97 | | | |
| 125 | 3.47 | 3.27 | 2.65 | 2.58 | 1.82 | 2.22 | 2.71 | 2.87 | 2.76 | 2.74 | 3.16 | 3.13 | 2.93 | 2.81 | 2.71 | 2.41 | | | |
| 130 | 3.48 | 3.27 | 2.90 | 2.82 | 2.01 | 2.56 | 2.88 | 2.92 | 3.05 | 3.08 | 3.18 | 3.11 | 3.13 | 2.92 | 2.75 | 2.59 | | | |
| 135 | 3.59 | 3.22 | 3.13 | 3.04 | 2.48 | 2.96 | 3.06 | 3.04 | 3.22 | 3.25 | 3.07 | 3.02 | 3.08 | 2.92 | 2.78 | 2.62 | | | |
| 140 | 3.69 | 3.25 | 3.30 | 3.27 | 2.92 | 3.24 | 3.21 | 3.18 | 3.22 | 3.21 | 2.97 | 2.94 | 2.96 | 2.83 | 2.78 | 2.52 | | | |
| 145 | 3.70 | 3.36 | 3.46 | 3.49 | 3.24 | 3.42 | 3.30 | 3.24 | 3.10 | 3.02 | 2.83 | 2.90 | 2.85 | 2.71 | 2.71 | 2.38 | | | |
| 150 | 3.80 | 3.60 | 3.63 | 3.70 | 3.52 | 3.54 | 3.38 | 3.29 | 2.98 | 2.94 | 2.84 | 2.92 | 2.81 | 2.62 | 2.61 | 2.29 | | | |
| 155 | 4.01 | 3.95 | 3.82 | 3.91 | 3.71 | 3.67 | 3.52 | 3.40 | 3.15 | 3.02 | 2.92 | 2.99 | 2.91 | 2.72 | 2.63 | 2.37 | | | |
| 160 | 4.28 | 4.30 | 4.02 | 4.06 | 3.81 | 3.76 | 3.65 | 3.55 | 3.64 | 3.37 | 3.23 | 3.28 | 3.21 | 2.98 | 2.92 | 2.72 | | | |
| 165 | 4.57 | 4.58 | 4.25 | 4.20 | 3.91 | 3.79 | 3.77 | 3.75 | 4.56 | 4.31 | 4.08 | 4.05 | 3.91 | 3.73 | 3.73 | 3.55 | | | |
| 170 | 4.91 | 4.84 | 4.45 | 4.36 | 4.08 | 3.92 | 3.99 | 4.06 | 5.19 | 4.98 | 4.51 | 4.42 | 4.23 | 4.08 | 4.16 | 4.08 | | | |
| 175 | 5.02 | 5.14 | 4.65 | 4.51 | 4.25 | 4.11 | 4.29 | 4.34 | 5.27 | 5.30 | 4.71 | 4.57 | 4.35 | 4.25 | 4.43 | 4.40 | | | |
| 180 | 4.97 | 5.01 | 4.46 | 4.27 | 4.03 | 3.93 | 4.24 | 4.42 | 5.08 | 5.10 | 4.54 | 4.33 | 4.10 | 3.98 | 4.31 | 4.50 | | | |

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 29.0℃
Operators:DAMIN
Test Date:2024-03-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks: