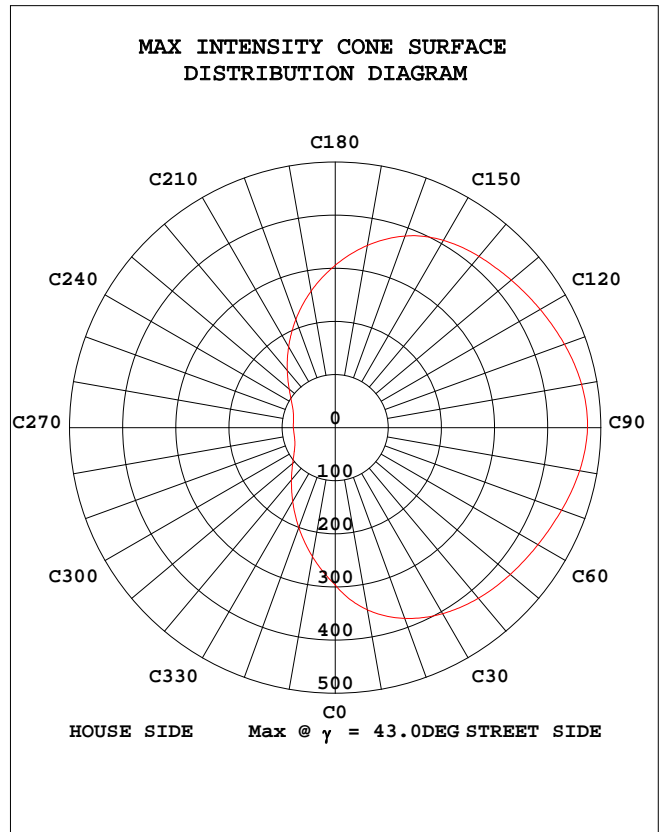
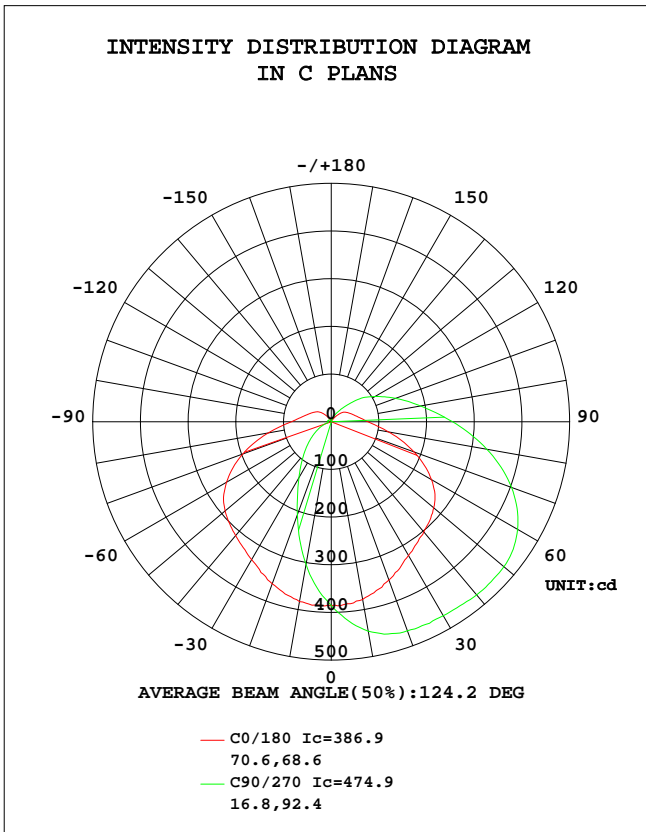


**STREETLIGHT PHOTOMETRIC TEST REPORT**

|  |                 |                  |
|--|-----------------|------------------|
| Test:U:119.88V I:0.1230A P:14.615W PF:0.9909 Freq:59.98Hz Lamp Flux:1786.98x1 lm |                 |                  |
| NAME: PLTS-12365 15W 4000K MINIWP 乳白   | TYPE:           | WEIGHT:          |
| SPEC.:   | DIM.:           | SERIAL No.:      |
| MFR.:  | SUR.: 0.25*0.02 | Shielding Angle: |

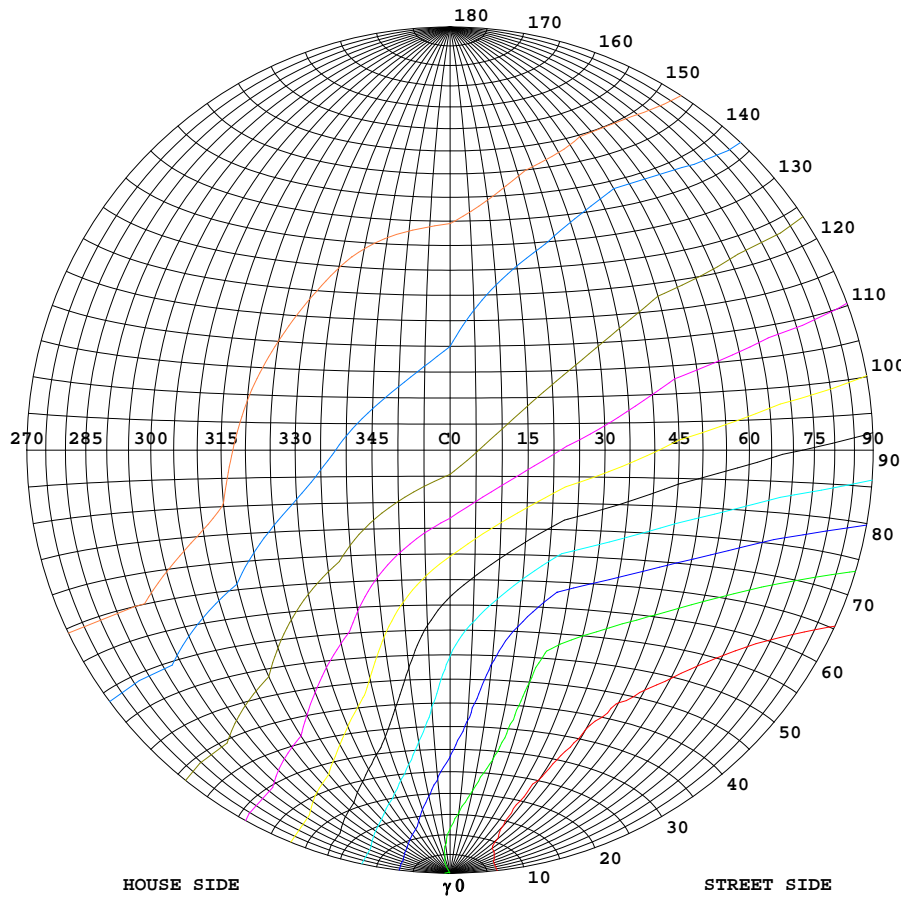
| DATA OF LAMP     |         | PHOTOMETRIC DATA Eff: 122.27 lm/W |         |                  |         |
|------------------|---------|-----------------------------------|---------|------------------|---------|
| MODEL            |         | I <sub>max</sub> (cd)             | 474.9   | η street_up(%)   | 15.0    |
| NOMINAL POWER(W) | 50      | LOR(%)                            | 100.0   | η street_down(%) | 61.5    |
| RATED VOLTAGE(V) |         | TOTAL FLUX(lm)                    | 1787    | η house_up(%)    | 3.1     |
| NOMINAL FLUX(lm) | 1786.98 | MAXIMUM @(C,γ )                   | 90,43.0 | η house_down(%)  | 20.4    |
| LAMPS INSIDE     | 1       | η up(%)                           | 18.1    | 76 FLASHAREA(m2) | 0.05000 |
| TEST VOLTAGE(V)  |         | η down(%)                         | 81.9    | SLI              | 19.602  |



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:JINZHI  
 Test Date:2022-06-29

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
 Humidity:65.0%  
 Test Distance:8.450m [K=1.0000]  
 Remarks:

**STREETLIGHT ISOCANDELA DIAGRAM**



**Classification:**

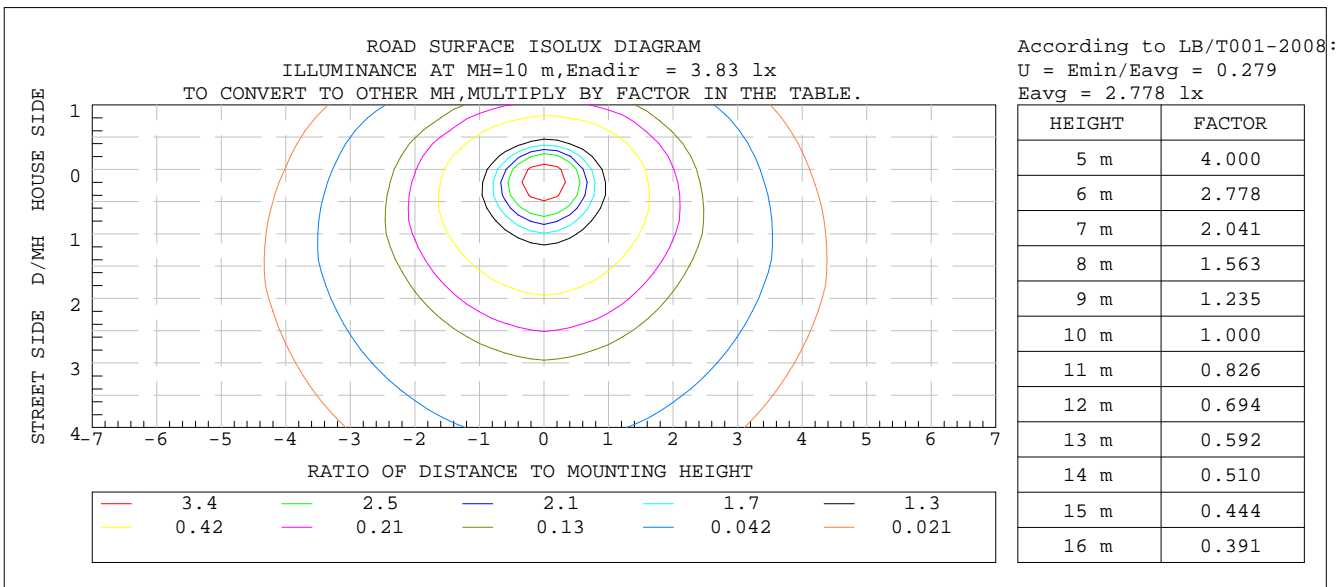
IES:Type IV - Very Short  
 CIE:Broad - Short  
 IES:None cut-off  
 CIE:Non-cut-off  
 Max.At80:186.6cd/klm  
 Max.At90:143.3cd/klm  
 Max.80-90:186.6cd/klm  
 NRB 5101:Semi limited[15.5%]

| ISOCANDELA DIAGRAM |     |
|--------------------|-----|
| UNIT               | cd  |
| Imax=100%          | 475 |
| 90%                | 427 |
| 80%                | 380 |
| 70%                | 332 |
| 60%                | 285 |
| 50%                | 237 |
| 40%                | 190 |
| 30%                | 142 |
| 20%                | 95  |
| 10%                | 47  |
| 5%                 | 24  |

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:JINZHI  
 Test Date:2022-06-29

gamma Range: 0 - 180DEG  
 gamma Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
 Humidity:65.0%  
 Test Distance:8.450m [K=1.0000]  
 Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: JINZHI  
Test Date: 2022-06-29

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
Humidity: 65.0%  
Test Distance: 8.450m [K=1.0000]  
Remarks:

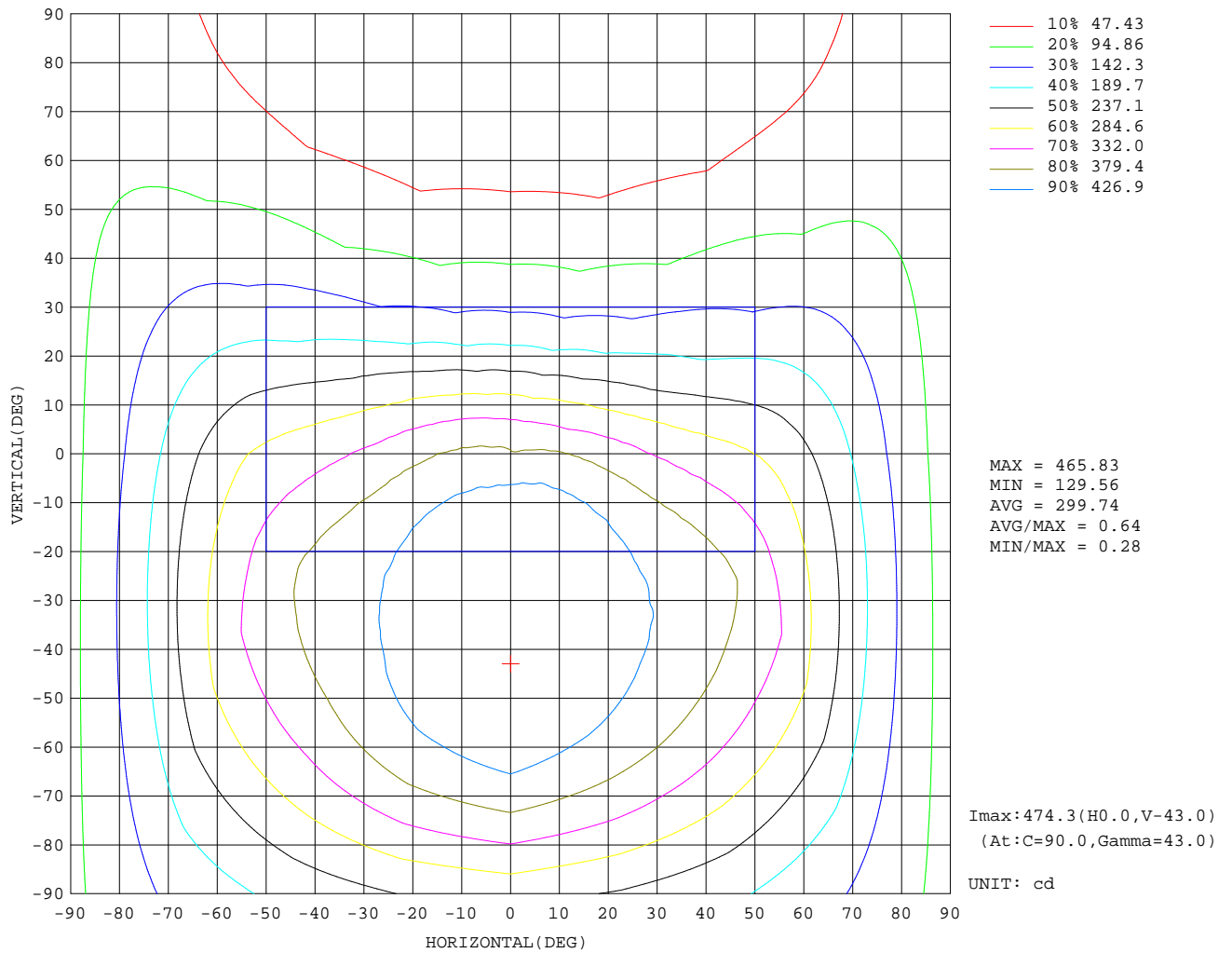
ZONAL FLUX DIAGRAM

| $\gamma$ | C0                    | C45   | C90   | C135  | C180  | C225  | C270  | C315  | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|------------|
| 10       | 378.6                 | 428.5 | 446.0 | 431.5 | 383.3 | 330.9 | 304.2 | 326.8 | 0- 10    | 36.53       | 36.53        | 2.06,2.06  |
| 20       | 353.4                 | 442.3 | 466.4 | 447.7 | 362.0 | 258.8 | 208.0 | 247.9 | 10- 20   | 102.9       | 139.4        | 7.86,7.86  |
| 30       | 324.0                 | 439.6 | 469.7 | 443.2 | 334.1 | 190.1 | 136.0 | 178.5 | 20- 30   | 152.8       | 292.2        | 16.5,16.5  |
| 40       | 302.1                 | 428.1 | 474.1 | 430.5 | 312.0 | 138.3 | 89.89 | 127.7 | 30- 40   | 188.6       | 480.8        | 27.1,27.1  |
| 50       | 280.4                 | 410.5 | 472.9 | 412.4 | 290.5 | 100.8 | 57.00 | 91.11 | 40- 50   | 213.9       | 694.8        | 39.1,39.1  |
| 60       | 242.8                 | 378.5 | 451.1 | 381.0 | 253.4 | 71.35 | 32.52 | 62.58 | 50- 60   | 224.6       | 919.3        | 51.8,51.8  |
| 70       | 184.4                 | 326.9 | 402.2 | 332.2 | 197.4 | 47.10 | 14.19 | 39.37 | 60- 70   | 212.9       | 1132         | 63.8,63.8  |
| 80       | 121.9                 | 262.1 | 331.2 | 270.4 | 133.6 | 29.70 | 6.471 | 24.31 | 70- 80   | 180.6       | 1313         | 74,74      |
| 90       | 77.28                 | 198.4 | 254.4 | 207.7 | 83.75 | 24.87 | 6.597 | 21.14 | 80- 90   | 140.0       | 1453         | 81.9,81.9  |
| 100      | 57.73                 | 151.6 | 190.9 | 159.3 | 61.71 | 22.29 | 7.455 | 19.21 | 90-100   | 105.1       | 1558         | 87.8,87.8  |
| 110      | 46.79                 | 116.4 | 143.9 | 122.9 | 49.33 | 19.52 | 7.664 | 16.86 | 100-110  | 78.91       | 1637         | 92.2,92.2  |
| 120      | 39.00                 | 88.13 | 106.1 | 93.29 | 40.68 | 16.74 | 6.982 | 14.39 | 110-120  | 57.58       | 1695         | 95.5,95.5  |
| 130      | 30.48                 | 65.13 | 72.82 | 69.20 | 31.75 | 13.77 | 6.050 | 11.80 | 120-130  | 39.79       | 1734         | 97.7,97.7  |
| 140      | 14.73                 | 43.71 | 38.42 | 47.02 | 17.67 | 10.63 | 5.050 | 8.806 | 130-140  | 23.88       | 1758         | 99.1,99.1  |
| 150      | 3.860                 | 22.99 | 19.05 | 23.69 | 7.535 | 7.535 | 3.873 | 5.849 | 140-150  | 11.35       | 1770         | 99.7,99.7  |
| 160      | 2.156                 | 11.39 | 7.347 | 8.660 | 3.444 | 4.786 | 2.954 | 3.626 | 150-160  | 3.876       | 1773         | 99.9,99.9  |
| 170      | 2.132                 | 2.863 | 3.360 | 2.416 | 2.402 | 2.444 | 2.312 | 2.223 | 160-170  | 1.124       | 1775         | 100,100    |
| 180      | 1.875                 | 1.859 | 1.841 | 1.874 | 1.881 | 1.876 | 1.852 | 1.886 | 170-180  | 0.2018      | 1775         | 100,100    |
| DEG      | LUMINOUS INTENSITY:cd |       |       |       |       |       |       |       | UNIT:lm  |             |              |            |

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:JINZHI  
 Test Date:2022-06-29

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
 Humidity:65.0%  
 Test Distance:8.450m [K=1.0000]  
 Remarks:

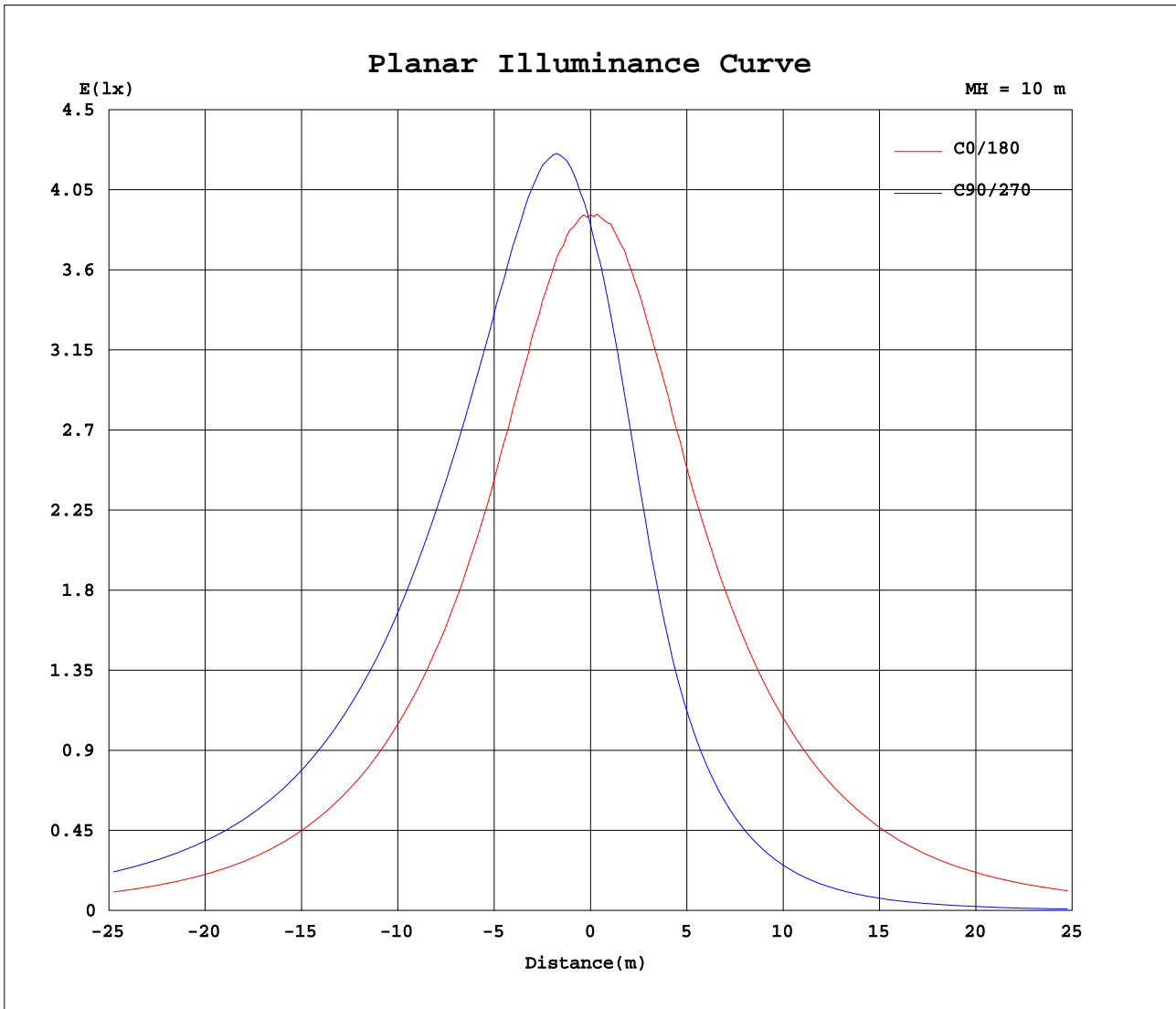
**ISOCANDELA DIAGRAM**



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: JINZHI  
 Test Date: 2022-06-29

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
 Humidity: 65.0%  
 Test Distance: 8.450m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



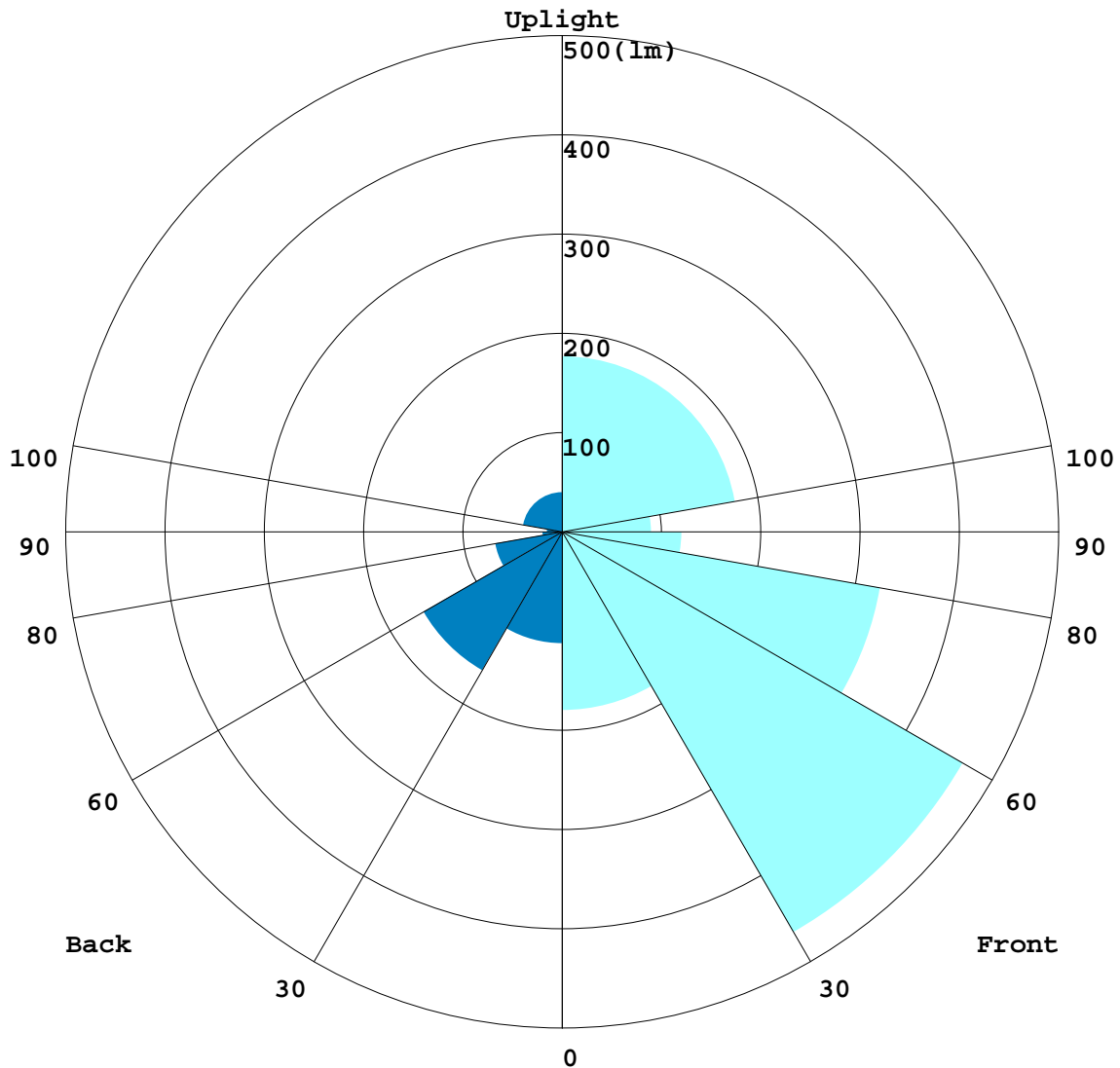
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: JINZHI  
 Test Date: 2022-06-29

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
 Humidity: 65.0%  
 Test Distance: 8.450m [K=1.0000]  
 Remarks:

**LCS REPORT**

|  |                 |                  |
|--|-----------------|------------------|
| Test:U:119.88V I:0.1230A P:14.615W PF:0.9909 Freq:59.98Hz Lamp Flux:1786.98x1 lm |                 |                  |
| NAME: PLTS-12365 15W 4000K MINIWP 乳白   | TYPE:           | WEIGHT:          |
| SPEC.:   | DIM.:           | SERIAL No.:      |
| MFR.:  | SUR.: 0.25*0.02 | Shielding Angle: |

**LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH**



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:JINZHI  
 Test Date:2022-06-29

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
 Humidity:65.0%  
 Test Distance:8.450m [K=1.0000]  
 Remarks:

**BUG REPORT**

|  |                 |                  |
|--|-----------------|------------------|
| Test:U:119.88V I:0.1230A P:14.615W PF:0.9909 Freq:59.98Hz Lamp Flux:1786.98x1 lm |                 |                  |
| NAME: PLTS-12365 15W 4000K MINIWP 乳白   | TYPE:           | WEIGHT:          |
| SPEC.:   | DIM.:           | SERIAL No.:      |
| MFR.:  | SUR.: 0.25*0.02 | Shielding Angle: |

**IESNA Luminaire Flux Distribution Table:**

| Zone                         | Lumens        | Luminaire % |
|------------------------------|---------------|-------------|
| FL - Front-Low(0-30)         | 179.8         | 10.1        |
| FM - Front-Medium(30-60)     | 465.87        | 26.2        |
| FH - Front-High(60-80)       | 325.16        | 18.3        |
| FVH - Front-Very High(80-90) | 120.26        | 6.8         |
| <b>Total Forward Light</b>   | <b>1357.5</b> | <b>76.5</b> |

|                             |               |             |
|-----------------------------|---------------|-------------|
| BL - Back-Low(0-30)         | 112.41        | 6.3         |
| BM - Back-Medium(30-60)     | 161.27        | 9.1         |
| BH - Back-High(60-80)       | 68.395        | 3.9         |
| BVH - Back-Very High(80-90) | 19.753        | 1.1         |
| <b>Total Back Light</b>     | <b>417.21</b> | <b>23.5</b> |

|                            |               |             |
|----------------------------|---------------|-------------|
| UL - Uplight-Low(90-100)   | 105.12        | 5.9         |
| UH - Uplight-High(100-180) | 216.71        | 12.2        |
| <b>Total Up Light</b>      | <b>321.83</b> | <b>18.1</b> |

|                           |          |
|---------------------------|----------|
| BUG(Back,Up,Glare) Rating | B1-U3-G2 |
|---------------------------|----------|

| Zone        | Downward Lumens | Upward Lumens | Total Lumens |
|-------------|-----------------|---------------|--------------|
| House Side  | 361.83          | 55.383        | 417.21       |
| Street Side | 1091.1          | 266.45        | 1357.5       |

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:JINZHI  
 Test Date:2022-06-29

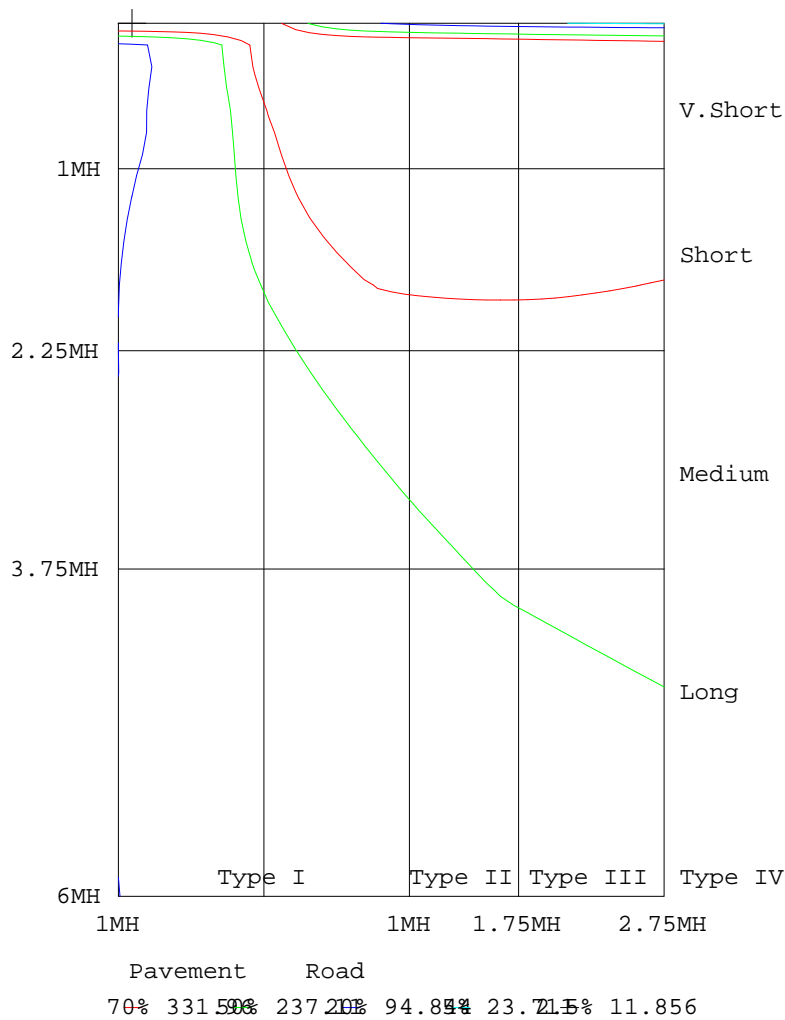
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
 Humidity:65.0%  
 Test Distance:8.450m [K=1.0000]  
 Remarks:



ROAD ISOCANDELA REPORT

|  |                 |                  |
|--|-----------------|------------------|
| Test:U:119.88V I:0.1230A P:14.615W PF:0.9909 Freq:59.98Hz Lamp Flux:1786.98x1 lm |                 |                  |
| NAME: PLTS-12365 15W 4000K MINIWP 乳白   | TYPE:           | WEIGHT:          |
| SPEC.:   | DIM.:           | SERIAL No.:      |
| MFR.:  | SUR.: 0.25*0.02 | Shielding Angle: |

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:JINZHI  
 Test Date:2022-06-29

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
 Humidity:65.0%  
 Test Distance:8.450m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd

| C(DEG)\<br>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                  | 386  | 386  | 386  | 386  | 386  | 386   | 386  | 386   | 386  | 386   | 386  | 386   | 386  | 386   | 386  | 386   |  |  |  |
| 5                  | 383  | 397  | 408  | 418  | 419  | 419   | 409  | 400   | 386  | 372   | 361  | 352   | 349  | 351   | 359  | 370   |  |  |  |
| 10                 | 379  | 406  | 428  | 441  | 446  | 442   | 432  | 409   | 383  | 356   | 331  | 311   | 304  | 308   | 327  | 351   |  |  |  |
| 15                 | 366  | 409  | 439  | 457  | 461  | 459   | 444  | 414   | 374  | 334   | 295  | 265   | 256  | 260   | 289  | 327   |  |  |  |
| 20                 | 353  | 406  | 442  | 462  | 466  | 465   | 448  | 413   | 362  | 310   | 259  | 220   | 208  | 214   | 248  | 299   |  |  |  |
| 25                 | 340  | 402  | 442  | 462  | 469  | 465   | 447  | 410   | 349  | 284   | 223  | 179   | 167  | 174   | 211  | 272   |  |  |  |
| 30                 | 324  | 397  | 440  | 459  | 470  | 462   | 443  | 404   | 334  | 261   | 190  | 146   | 136  | 141   | 179  | 247   |  |  |  |
| 35                 | 312  | 395  | 433  | 457  | 471  | 460   | 439  | 399   | 322  | 238   | 162  | 120   | 111  | 115   | 151  | 223   |  |  |  |
| 40                 | 302  | 391  | 428  | 453  | 474  | 457   | 431  | 395   | 312  | 217   | 138  | 97.5  | 89.9 | 93.6  | 128  | 202   |  |  |  |
| 45                 | 292  | 386  | 421  | 448  | 474  | 454   | 423  | 389   | 302  | 199   | 118  | 79.1  | 72.2 | 75.5  | 108  | 182   |  |  |  |
| 50                 | 280  | 379  | 411  | 442  | 473  | 450   | 412  | 382   | 291  | 180   | 101  | 63.3  | 57.0 | 59.9  | 91.1 | 164   |  |  |  |
| 55                 | 266  | 366  | 397  | 432  | 466  | 440   | 399  | 369   | 276  | 162   | 85.3 | 49.5  | 43.9 | 46.4  | 76.1 | 146   |  |  |  |
| 60                 | 243  | 345  | 379  | 416  | 451  | 425   | 381  | 349   | 253  | 143   | 71.3 | 37.4  | 32.5 | 34.5  | 62.6 | 128   |  |  |  |
| 65                 | 215  | 318  | 355  | 394  | 430  | 404   | 359  | 324   | 227  | 124   | 58.6 | 26.6  | 22.6 | 24.1  | 50.3 | 110   |  |  |  |
| 70                 | 184  | 285  | 327  | 367  | 402  | 377   | 332  | 294   | 197  | 106   | 47.1 | 17.4  | 14.2 | 15.1  | 39.4 | 92.6  |  |  |  |
| 75                 | 153  | 249  | 296  | 336  | 369  | 346   | 302  | 261   | 165  | 87.4  | 37.1 | 10.3  | 8.25 | 8.64  | 30.2 | 76.3  |  |  |  |
| 80                 | 122  | 211  | 262  | 302  | 331  | 311   | 270  | 225   | 134  | 71.1  | 29.7 | 6.98  | 6.47 | 6.41  | 24.3 | 62.3  |  |  |  |
| 85                 | 95.3 | 175  | 229  | 266  | 292  | 275   | 238  | 191   | 105  | 58.7  | 26.5 | 6.69  | 6.41 | 6.32  | 22.4 | 53.0  |  |  |  |
| 90                 | 77.3 | 145  | 198  | 233  | 254  | 240   | 208  | 160   | 83.7 | 51.5  | 24.9 | 6.73  | 6.60 | 6.48  | 21.1 | 47.5  |  |  |  |
| 95                 | 66.0 | 123  | 172  | 202  | 220  | 209   | 181  | 136   | 71.0 | 46.3  | 23.5 | 7.02  | 7.02 | 6.84  | 20.1 | 43.1  |  |  |  |
| 100                | 57.7 | 106  | 152  | 177  | 191  | 182   | 159  | 118   | 61.7 | 42.0  | 22.3 | 7.31  | 7.45 | 7.21  | 19.2 | 39.3  |  |  |  |
| 105                | 51.6 | 92.0 | 133  | 154  | 166  | 159   | 140  | 103   | 54.7 | 38.5  | 21.0 | 7.44  | 7.69 | 7.39  | 18.1 | 36.0  |  |  |  |
| 110                | 46.8 | 80.5 | 116  | 135  | 144  | 139   | 123  | 90.4  | 49.3 | 35.4  | 19.5 | 7.31  | 7.66 | 7.27  | 16.9 | 33.1  |  |  |  |
| 115                | 42.7 | 70.6 | 102  | 117  | 124  | 120   | 107  | 79.1  | 44.8 | 32.6  | 18.1 | 6.99  | 7.38 | 6.97  | 15.6 | 30.4  |  |  |  |
| 120                | 39.0 | 61.8 | 88.1 | 101  | 106  | 104   | 93.3 | 69.1  | 40.7 | 29.8  | 16.7 | 6.60  | 6.98 | 6.59  | 14.4 | 27.8  |  |  |  |
| 125                | 35.3 | 53.8 | 76.1 | 86.5 | 90.5 | 88.9  | 80.6 | 60.1  | 36.8 | 27.2  | 15.3 | 6.20  | 6.54 | 6.19  | 13.1 | 25.2  |  |  |  |
| 130                | 30.5 | 46.4 | 65.1 | 71.0 | 72.8 | 73.7  | 69.2 | 51.3  | 31.7 | 24.5  | 13.8 | 5.73  | 6.05 | 5.74  | 11.8 | 22.2  |  |  |  |
| 135                | 22.6 | 39.1 | 54.7 | 55.8 | 52.9 | 59.5  | 58.4 | 41.1  | 24.9 | 21.7  | 12.2 | 5.23  | 5.55 | 5.24  | 10.4 | 19.1  |  |  |  |
| 140                | 14.7 | 31.7 | 43.7 | 43.8 | 38.4 | 47.4  | 47.0 | 31.5  | 17.7 | 18.8  | 10.6 | 4.78  | 5.05 | 4.66  | 8.81 | 16.1  |  |  |  |
| 145                | 7.30 | 23.3 | 32.7 | 32.7 | 26.9 | 34.4  | 35.0 | 22.4  | 11.4 | 15.2  | 9.05 | 4.33  | 4.54 | 4.06  | 7.24 | 12.4  |  |  |  |
| 150                | 3.86 | 14.8 | 23.0 | 22.7 | 19.0 | 22.8  | 23.7 | 13.2  | 7.53 | 11.1  | 7.54 | 3.63  | 3.87 | 3.32  | 5.85 | 8.35  |  |  |  |
| 155                | 2.71 | 7.88 | 16.0 | 14.7 | 12.0 | 13.6  | 14.9 | 6.57  | 5.50 | 7.28  | 6.13 | 3.14  | 3.32 | 3.01  | 4.68 | 4.63  |  |  |  |
| 160                | 2.16 | 4.31 | 11.4 | 10.0 | 7.35 | 8.99  | 8.66 | 2.45  | 3.44 | 4.56  | 4.79 | 2.90  | 2.95 | 2.90  | 3.63 | 2.86  |  |  |  |
| 165                | 2.15 | 3.86 | 6.87 | 7.41 | 5.57 | 6.89  | 4.72 | 1.73  | 2.26 | 3.44  | 3.50 | 2.55  | 2.62 | 2.54  | 2.69 | 2.43  |  |  |  |
| 170                | 2.13 | 2.50 | 2.86 | 3.33 | 3.36 | 3.22  | 2.42 | 1.94  | 2.40 | 2.94  | 2.44 | 2.21  | 2.31 | 2.28  | 2.22 | 2.37  |  |  |  |
| 175                | 1.87 | 1.83 | 1.79 | 1.74 | 1.69 | 1.76  | 1.84 | 1.94  | 2.08 | 2.06  | 1.99 | 2.01  | 2.02 | 2.08  | 2.02 | 1.95  |  |  |  |
| 180                | 1.88 | 1.89 | 1.86 | 1.86 | 1.84 | 1.87  | 1.87 | 1.90  | 1.88 | 1.88  | 1.88 | 1.86  | 1.85 | 1.88  | 1.89 | 1.90  |  |  |  |

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: JINZHI  
 Test Date: 2022-06-29

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
 Humidity: 65.0%  
 Test Distance: 8.450m [K=1.0000]  
 Remarks: