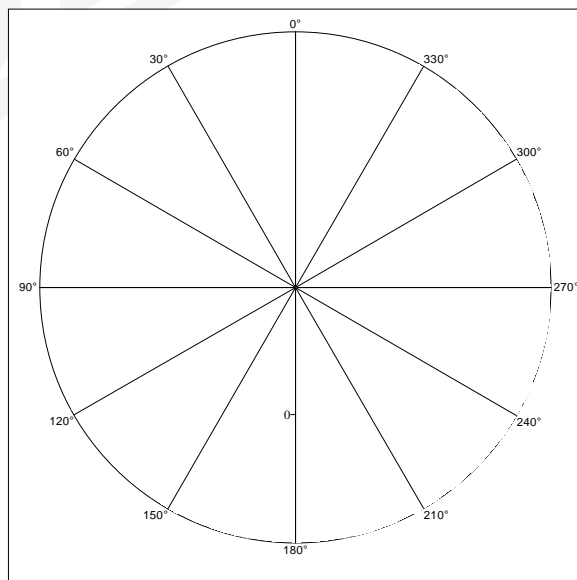
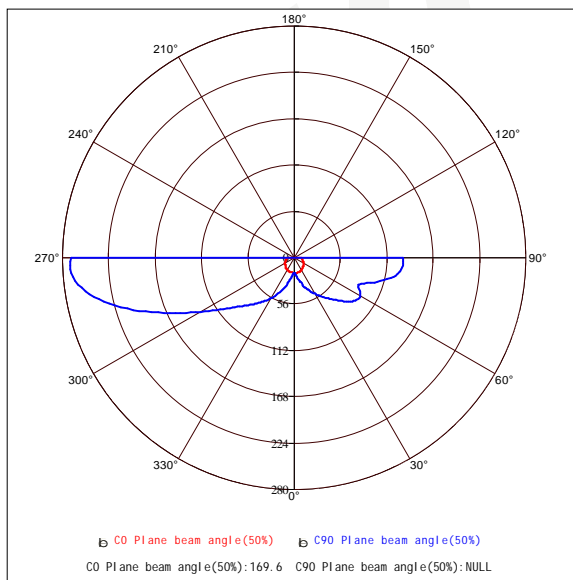


Goniophotometer Test Report

| Measured Para U: 215.7V I: 88.0mA P: 11.60W PF: 0.609 Test LM: 987.161m | | | | | | |
|---|--------------|-----------------------|------------------|---------------------|------------------|------|
| Lamp Name: LED WALL LIGHT | | Lamp Type: | | Weight(kg): | | |
| Lamp ID: LPWL-12C01-Y | | Lamp Spec: | | Shape Size: | | |
| Manufactory: LIPER | | Sur(m ²): | | Protect Angle(Deg): | | |
| Light Source Data | | | Photometric Data | | | |
| Model | LPWL-12C01-Y | | Peak Value(cd) | 271.6 | Efficiency(lm/w) | 85.1 |
| Nominal P(w) | 1.0 | | Position | 270.0, 87.0 | UP(C0-C180) | 0.0 |
| Rated Volt(v) | 1.0 | | Total Flux(lm) | 987.16 | Down(C0-C180) | 42.2 |
| Rated Flux(lm) | 1.0 | | Up Flux Rate(%) | 0.0 | UP(C180-C360) | 0.0 |
| Illuminant QTY | 1 | | Dw Flux Rate(%) | 100.0 | Down(C180-C360) | 57.8 |

Planar Intensity Distribution Curve

Peak Point Conical surface Curve



Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 30

Tester: zxcg

Distance(m): 10.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

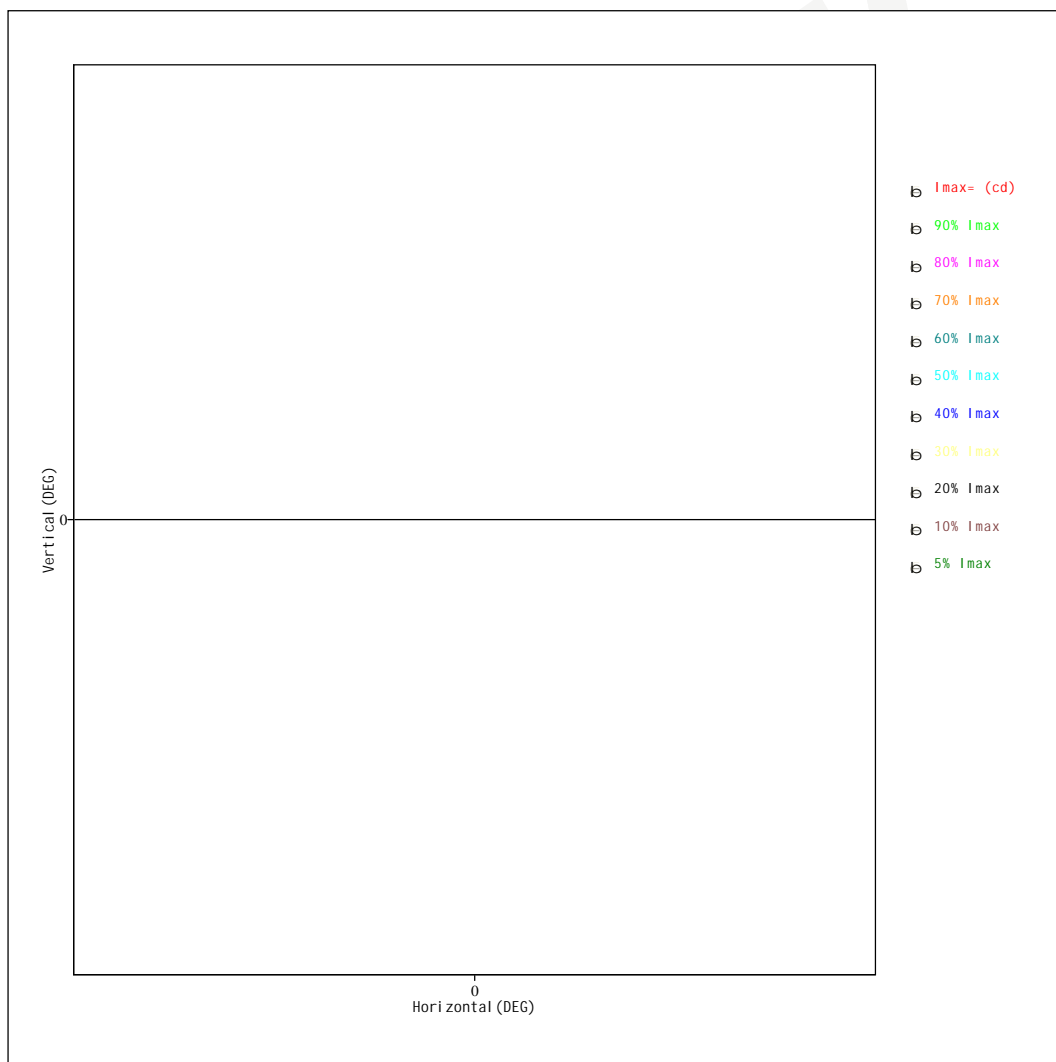
Humi dity(%): 60

Date: 2023-10-13

Remark:

| | | |
|---|------------|---------------------|
| Measured Para U: 215.7V I: 88.0mA P: 11.60W PF: 0.609 Test LM: 987.16lm | | |
| Lamp Name: LED WALL LIGHT | Lamp Type: | Weight(kg): |
| Lamp ID: LPWL-12C01-Y | Lamp Spec: | Shape Si ze: |
| Manufactory: LIPER | Sur(m^2): | Protect Angle(Deg): |

Planar IsoCandela Curve



Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 30

Tester: zxg

Distance(m): 10.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

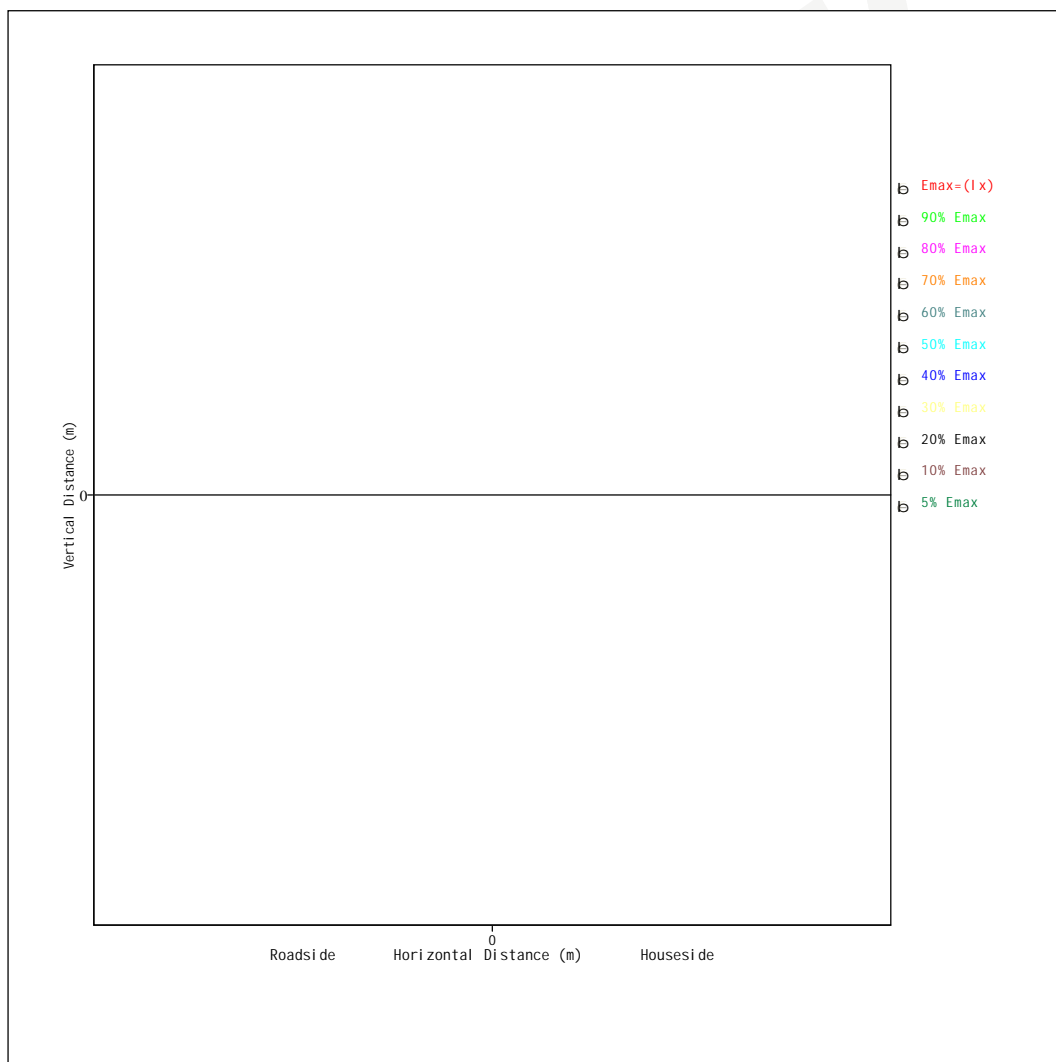
Humi di ty(%): 60

Date: 2023-10-13

Remark:

| | | |
|---|------------|---------------------|
| Measured Para U: 215.7V I: 88.0mA P: 11.60W PF: 0.609 Test LM: 987.16lm | | |
| Lamp Name: LED WALL LIGHT | Lamp Type: | Weight(kg): |
| Lamp ID: LPWL-12C01-Y | Lamp Spec: | Shape Si ze: |
| Manufactory: LIPER | Sur(m^2): | Protect Angle(Deg): |

Planar Isolux curve



Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 30

Tester: zxg

Distance(m): 10.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

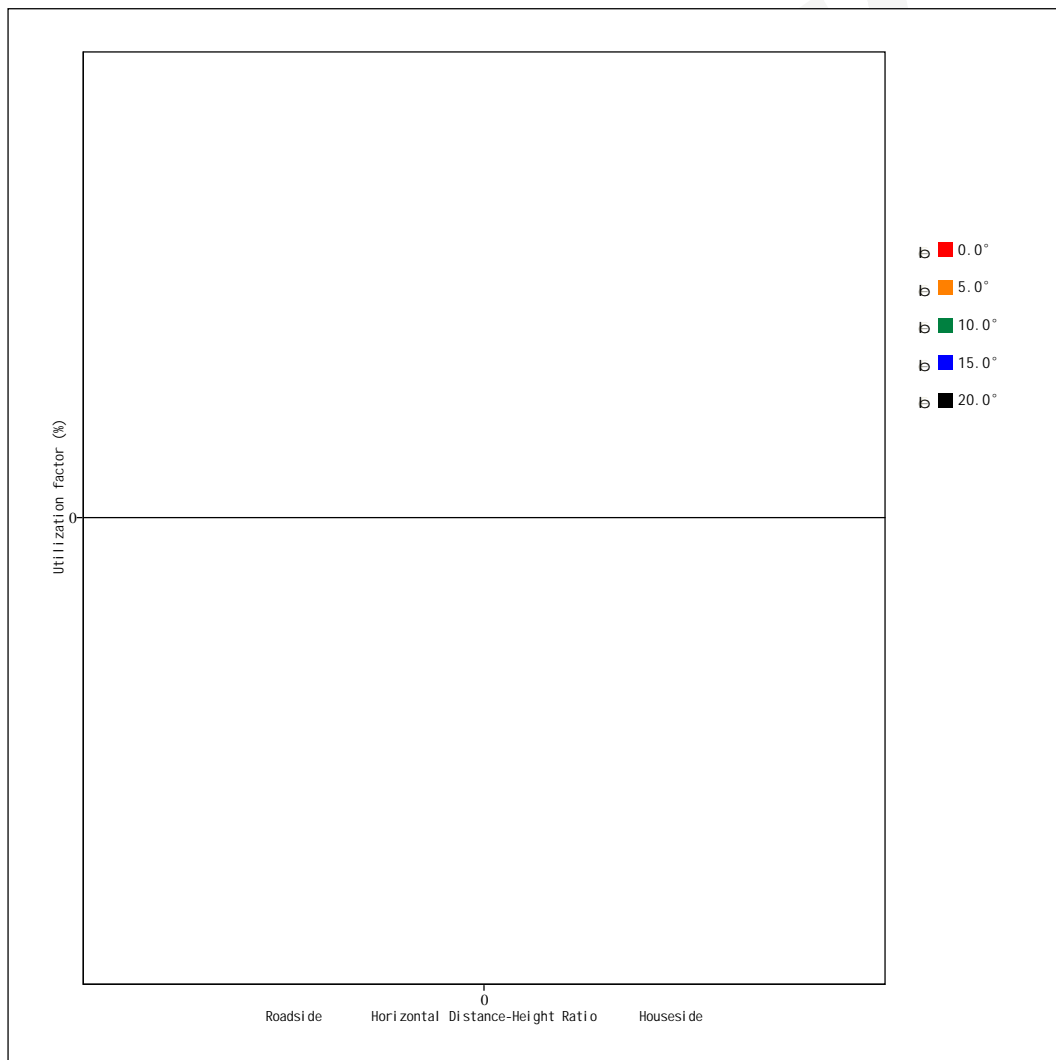
Humi di ty(%): 60

Date: 2023-10-13

Remark:

| | | |
|---|------------|---------------------|
| Measured Para U: 215.7V I: 88.0mA P: 11.60W PF: 0.609 Test LM: 987.16lm | | |
| Lamp Name: LED WALL LIGHT | Lamp Type: | Weight(kg): |
| Lamp ID: LPWL-12C01-Y | Lamp Spec: | Shape Si ze: |
| Manufactory: LIPER | Sur(m^2): | Protect Angle(Deg): |

Utilization Coefficient



Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 30

Tester: zxg

Distance(m): 10.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

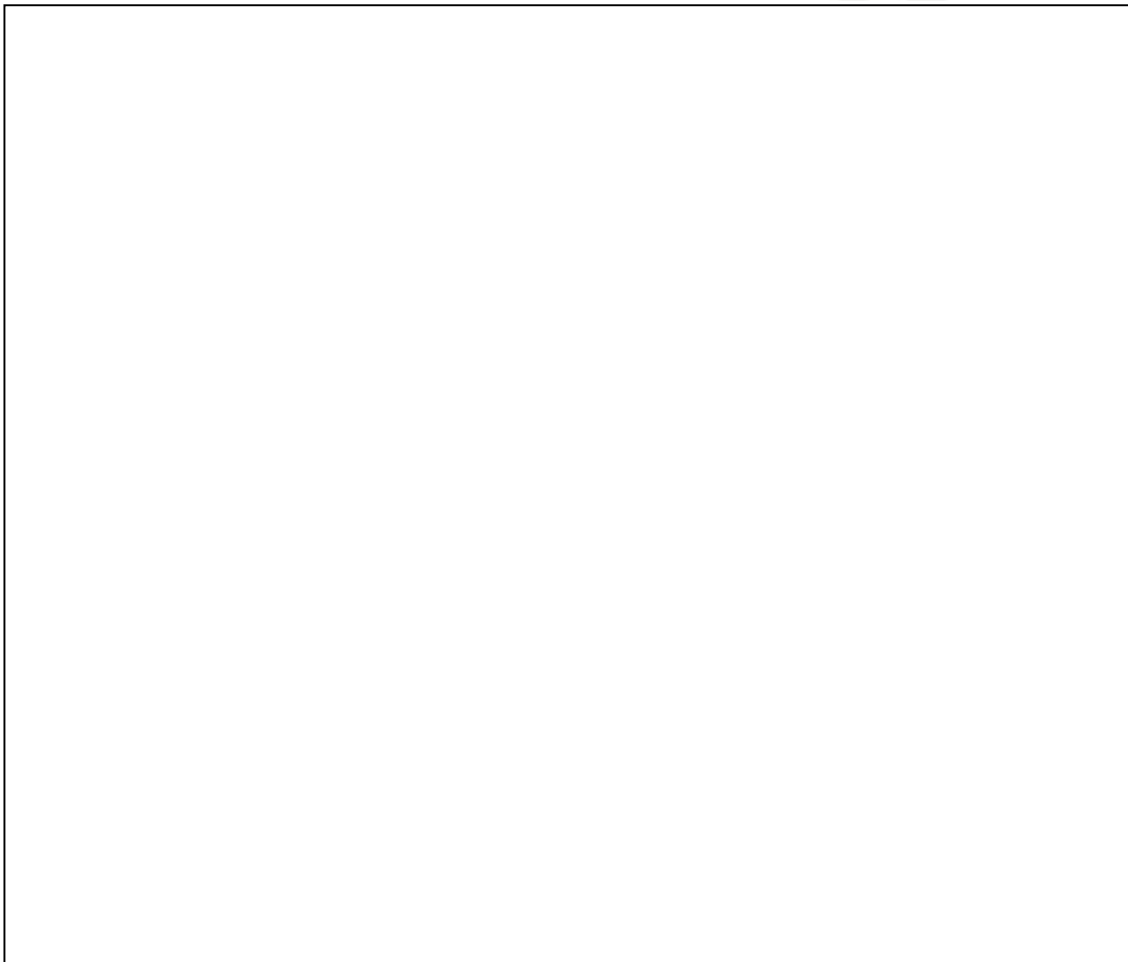
Humi di ty(%): 60

Date: 2023-10-13

Remark:

| | | |
|---|------------|---------------------|
| Measured Para U: 215.7V I: 88.0mA P: 11.60W PF: 0.609 Test LM: 987.16lm | | |
| Lamp Name: LED WALL LIGHT | Lamp Type: | Weight(kg): |
| Lamp ID: LPWL-12C01-Y | Lamp Spec: | Shape Si ze: |
| Manufactory: LIPER | Sur(m^2): | Protect Angle(Deg): |

Average Illumination



Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 30

Tester: zxc

Distance(m): 10.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

Humi di ty(%): 60

Date: 2023-10-13

Remark:

| | | |
|---|-----------------------|---------------------|
| Measured Para U: 215.7V I: 88.0mA P: 11.60W PF: 0.609 Test LM: 987.16lm | | |
| Lamp Name: LED WALL LIGHT | Lamp Type: | Weight(kg): |
| Lamp ID: LPWL-12C01-Y | Lamp Spec: | Shape Size: |
| Manufactory: LIPER | Sur(m ²): | Protect Angle(Deg): |

Ring-shaped Flux Data Table

| Gm\C(Deg) | 0 | 45 | 90 | 135 | 180 | 225 | 270 | 315 | Range | Ring | T(lm) |
|-----------|---|----|----|-----|-----|-----|-----|-----|---------|------|-------|
| 5 | | | | | | | | | 0-5 | | |
| 10 | | | | | | | | | 5-10 | | |
| 15 | | | | | | | | | 10-15 | | |
| 20 | | | | | | | | | 15-20 | | |
| 25 | | | | | | | | | 20-25 | | |
| 30 | | | | | | | | | 25-30 | | |
| 35 | | | | | | | | | 30-35 | | |
| 40 | | | | | | | | | 35-40 | | |
| 45 | | | | | | | | | 40-45 | | |
| 50 | | | | | | | | | 45-50 | | |
| 55 | | | | | | | | | 50-55 | | |
| 60 | | | | | | | | | 55-60 | | |
| 65 | | | | | | | | | 60-65 | | |
| 70 | | | | | | | | | 65-70 | | |
| 75 | | | | | | | | | 70-75 | | |
| 80 | | | | | | | | | 75-80 | | |
| 85 | | | | | | | | | 80-85 | | |
| 90 | | | | | | | | | 85-90 | | |
| 95 | | | | | | | | | 90-95 | | |
| 100 | | | | | | | | | 95-100 | | |
| 105 | | | | | | | | | 100-105 | | |
| 110 | | | | | | | | | 105-110 | | |
| 115 | | | | | | | | | 110-115 | | |
| 120 | | | | | | | | | 115-120 | | |
| 125 | | | | | | | | | 120-125 | | |
| 130 | | | | | | | | | 125-130 | | |
| 135 | | | | | | | | | 130-135 | | |
| 140 | | | | | | | | | 135-140 | | |
| 145 | | | | | | | | | 140-145 | | |
| 150 | | | | | | | | | 145-150 | | |
| 155 | | | | | | | | | 150-155 | | |
| 160 | | | | | | | | | 155-160 | | |
| 165 | | | | | | | | | 160-165 | | |
| 170 | | | | | | | | | 165-170 | | |
| 175 | | | | | | | | | 170-175 | | |
| 180 | | | | | | | | | 175-180 | | |

Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 30

Tester: zxc

Distance(m): 10.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

Humidity(%): 60

Date: 2023-10-13

Remark:

| | | |
|---|------------|---------------------|
| Measured Para U: 215.7V I: 88.0mA P: 11.60W PF: 0.609 Test LM: 987.161m | | |
| Lamp Name: LED WALL LIGHT | Lamp Type: | Weight (kg): |
| Lamp ID: LPWL-12C01-Y | Lamp Spec: | Shape Size: |
| Manufactory: LIPER | Sur(m^2): | Protect Angle(Deg): |

CD Table

| Gm\C(Deg) | 0 | 20 | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 320 | 340 |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 5.0 | 1126 | 1127 | 1128 | 1127 | 1126 | 1126 | 1127 | 1127 | 1126 | 1125 | 1124 | 1123 | 1123 | 1125 | 1124 | 1123 | 1122 | 1124 |
| 10.0 | 1113 | 1114 | 1116 | 1115 | 1112 | 1112 | 1114 | 1115 | 1112 | 1110 | 1107 | 1104 | 1106 | 1109 | 1108 | 1105 | 1104 | 1108 |
| 15.0 | 1088 | 1091 | 1094 | 1092 | 1088 | 1088 | 1091 | 1093 | 1089 | 1085 | 1081 | 1077 | 1079 | 1083 | 1083 | 1078 | 1076 | 1082 |
| 20.0 | 1055 | 1058 | 1062 | 1060 | 1055 | 1055 | 1059 | 1061 | 1056 | 1051 | 1046 | 1041 | 1043 | 1049 | 1048 | 1042 | 1039 | 1047 |
| 25.0 | 1012 | 1016 | 1021 | 1018 | 1013 | 1013 | 1018 | 1020 | 1014 | 1007 | 1001 | 995 | 998 | 1005 | 1004 | 997 | 994 | 1003 |
| 30.0 | 961 | 966 | 971 | 968 | 962 | 962 | 968 | 970 | 962 | 955 | 948 | 941 | 945 | 952 | 952 | 943 | 939 | 950 |
| 35.0 | 902 | 908 | 914 | 910 | 903 | 903 | 910 | 913 | 904 | 896 | 888 | 879 | 884 | 892 | 892 | 882 | 878 | 890 |
| 40.0 | 836 | 842 | 849 | 845 | 837 | 837 | 845 | 848 | 839 | 829 | 820 | 811 | 816 | 826 | 825 | 814 | 810 | 823 |
| 45.0 | 765 | 772 | 779 | 775 | 767 | 766 | 775 | 778 | 767 | 757 | 747 | 737 | 743 | 753 | 753 | 741 | 736 | 750 |
| 50.0 | 687 | 695 | 702 | 698 | 690 | 690 | 698 | 702 | 690 | 680 | 669 | 659 | 665 | 676 | 676 | 663 | 658 | 673 |
| 55.0 | 606 | 614 | 622 | 618 | 608 | 608 | 618 | 622 | 612 | 602 | 590 | 577 | 583 | 596 | 595 | 582 | 575 | 591 |
| 60.0 | 523 | 531 | 539 | 528 | 511 | 511 | 529 | 539 | 529 | 520 | 507 | 493 | 499 | 513 | 512 | 498 | 492 | 508 |
| 65.0 | 439 | 447 | 456 | 438 | 410 | 410 | 438 | 457 | 447 | 438 | 425 | 411 | 417 | 430 | 429 | 415 | 409 | 424 |
| 70.0 | 359 | 367 | 375 | 350 | 312 | 312 | 351 | 376 | 367 | 358 | 346 | 334 | 340 | 352 | 352 | 339 | 332 | 346 |
| 75.0 | 287 | 294 | 301 | 274 | 234 | 235 | 274 | 301 | 293 | 286 | 274 | 262 | 268 | 280 | 280 | 266 | 260 | 273 |
| 80.0 | 219 | 226 | 233 | 212 | 180 | 180 | 212 | 233 | 226 | 219 | 208 | 197 | 203 | 214 | 214 | 201 | 195 | 207 |
| 85.0 | 162 | 167 | 172 | 157 | 133 | 133 | 156 | 172 | 166 | 161 | 151 | 142 | 147 | 157 | 156 | 145 | 140 | 151 |
| 90.0 | 125 | 123 | 122 | 112 | 99.4 | 99.3 | 112 | 120 | 116 | 112 | 111 | 110 | 110 | 111 | 111 | 109 | 109 | 117 |
| 95.0 | | | | | | | | | | | | | | | | | | |
| 100.0 | | | | | | | | | | | | | | | | | | |
| 105.0 | | | | | | | | | | | | | | | | | | |
| 110.0 | | | | | | | | | | | | | | | | | | |
| 115.0 | | | | | | | | | | | | | | | | | | |
| 120.0 | | | | | | | | | | | | | | | | | | |
| 125.0 | | | | | | | | | | | | | | | | | | |
| 130.0 | | | | | | | | | | | | | | | | | | |
| 135.0 | | | | | | | | | | | | | | | | | | |
| 140.0 | | | | | | | | | | | | | | | | | | |
| 145.0 | | | | | | | | | | | | | | | | | | |
| 150.0 | | | | | | | | | | | | | | | | | | |
| 155.0 | | | | | | | | | | | | | | | | | | |
| 160.0 | | | | | | | | | | | | | | | | | | |
| 165.0 | | | | | | | | | | | | | | | | | | |
| 170.0 | | | | | | | | | | | | | | | | | | |
| 175.0 | | | | | | | | | | | | | | | | | | |
| 180.0 | | | | | | | | | | | | | | | | | | |

Gama Angle Range: -90 - 90(Deg)

C Angle Range: 0 - 180(Deg)

Gama interval (Deg): 1

C interval (Deg): 45

Temperature(Deg): 30

Humidity(%): 60

Tester: zxcg

Date: 2023-10-13

Distance(m): 10.000

Remark:

Test System: ZWL Goniophotometer System V3.0