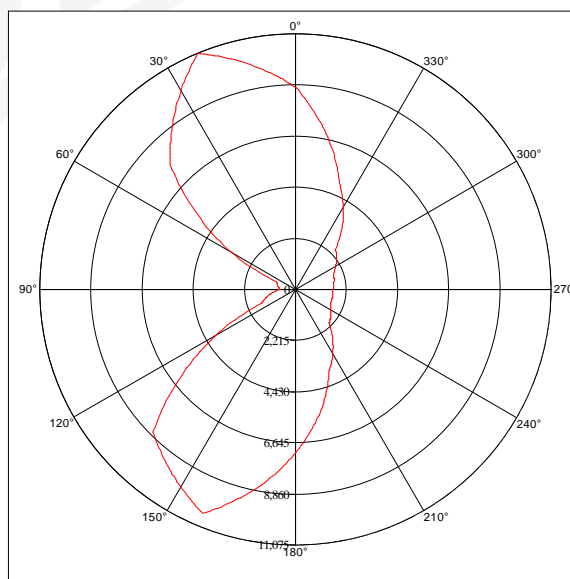
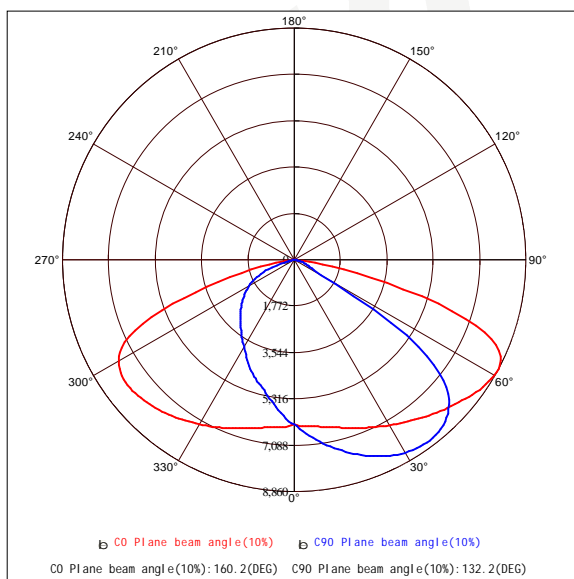


Goniophotometer Test Report

| | | | | | | |
|---|--|-----|------------------|------------|---------------------|-------|
| Measured Para U: 220.1V I: 832.0mA P: 180.40W PF: 0.985 Test LM: 26697.43lm | | | | | | |
| Lamp Name: | | | Lamp Type: | | Weight(kg): | |
| Lamp ID: | | | Lamp Spec: | | Shape Size: | |
| Manufactory: | | | Sur(m^2): | | Protect Angle(Deg): | |
| Light Source Data | | | Photometric Data | | | |
| Model | | | Peak Value(cd) | 11071.4 | Effi ciency(lm/w) | 148.0 |
| Nominal P(w) | | 0.0 | Position | 22.5, 64.0 | UP(C0-C180) | 0.0 |
| Rated Volt(v) | | 0.0 | Total Flux(lm) | 26697.430 | Down(C0-C180) | 64.2 |
| Rated Flux(lm) | | 0.0 | Up Flux Rate(%) | 0.0 | UP(C180-C360) | 0.0 |
| Illuminant QTY | | 0 | Dw Flux Rate(%) | 100.0 | Down(C180-C360) | 35.8 |

Planar Intensity Distribution Curve

Peak Point Conical surface Curve



Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 30

Tester:

Distance(m): 10.523

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 22.5

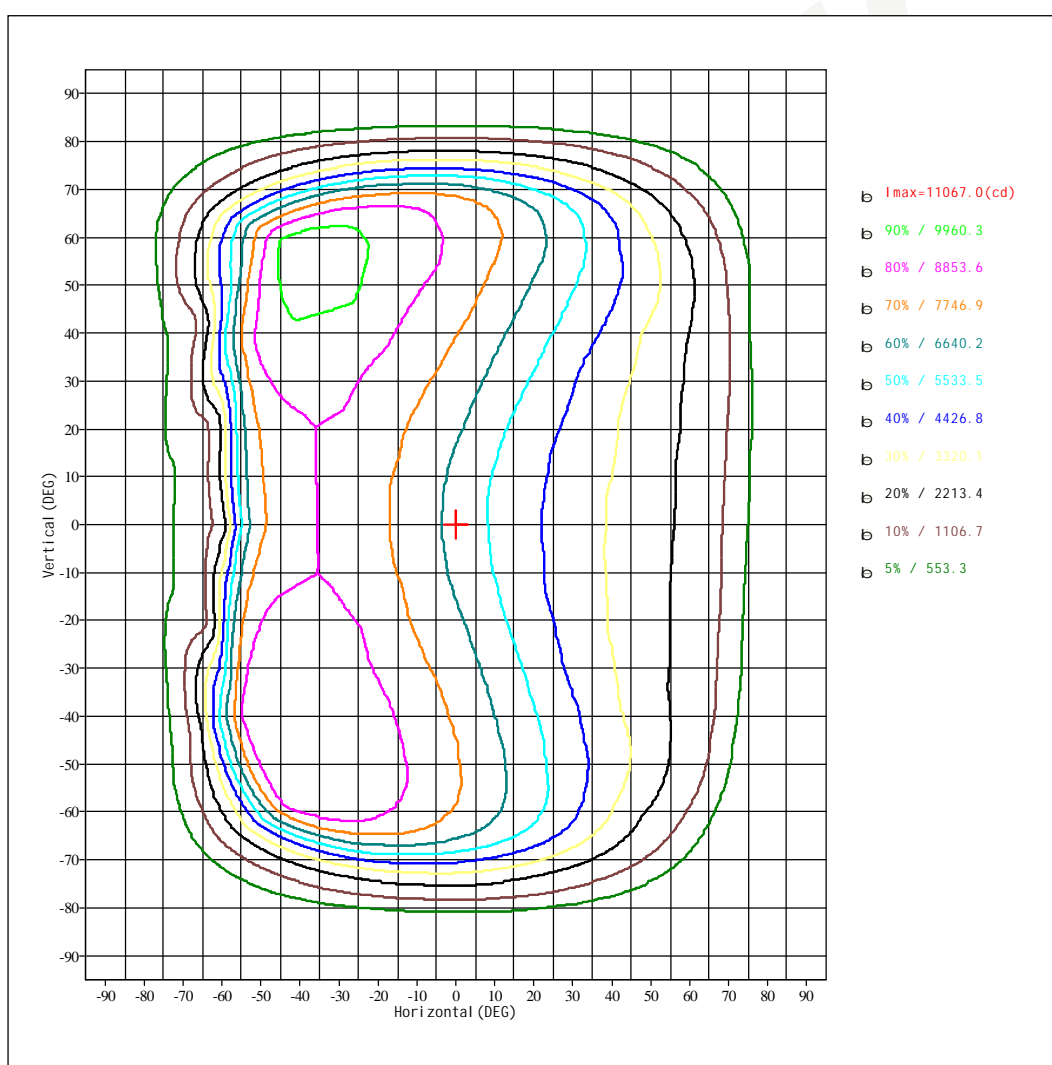
Humidity(%): 60

Date: 2018-8-29

Remark: 带时空

| | | |
|---|------------|---------------------|
| Measured Para U: 220.1V I: 832.0mA P: 180.40W PF: 0.985 Test LM: 26697.43lm | | |
| Lamp Name: | Lamp Type: | Weight(kg): |
| Lamp ID: | Lamp Spec: | Shape Si ze: |
| Manufactory: | Sur(m^2): | Protect Angle(Deg): |

Planar IsoCandela Curve



Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 30

Tester:

Distance(m): 10.523

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 22.5

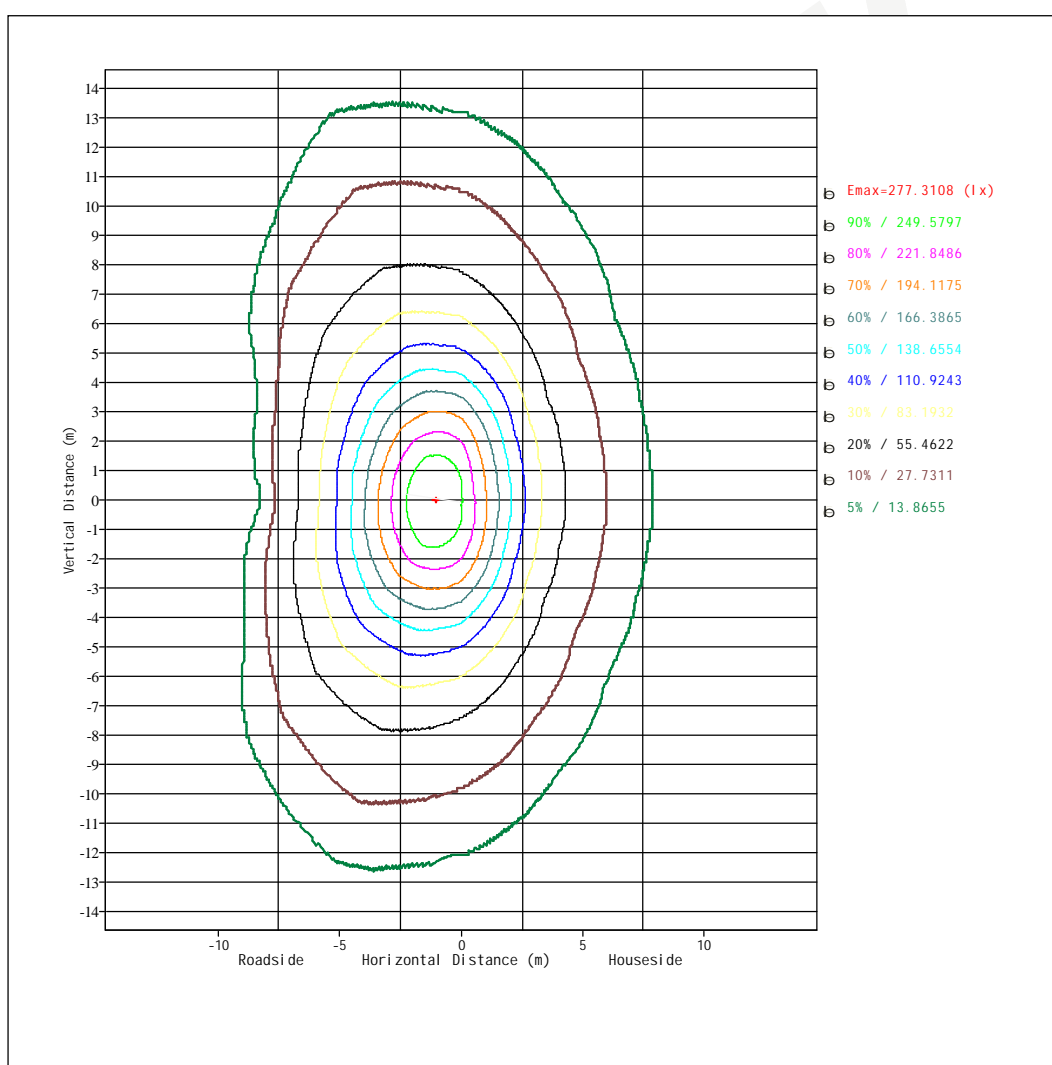
Humidity(%): 60

Date: 2018-8-29

Remark: 带时空

| | | |
|---|------------|---------------------|
| Measured Para U: 220.1V I: 832.0mA P: 180.40W PF: 0.985 Test LM: 26697.43lm | | |
| Lamp Name: | Lamp Type: | Weight(kg): |
| Lamp ID: | Lamp Spec: | Shape Si ze: |
| Manufactory: | Sur(m^2): | Protect Angle(Deg): |

Planar Isolux curve



Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 30

Tester:

Distance(m): 10.523

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 22.5

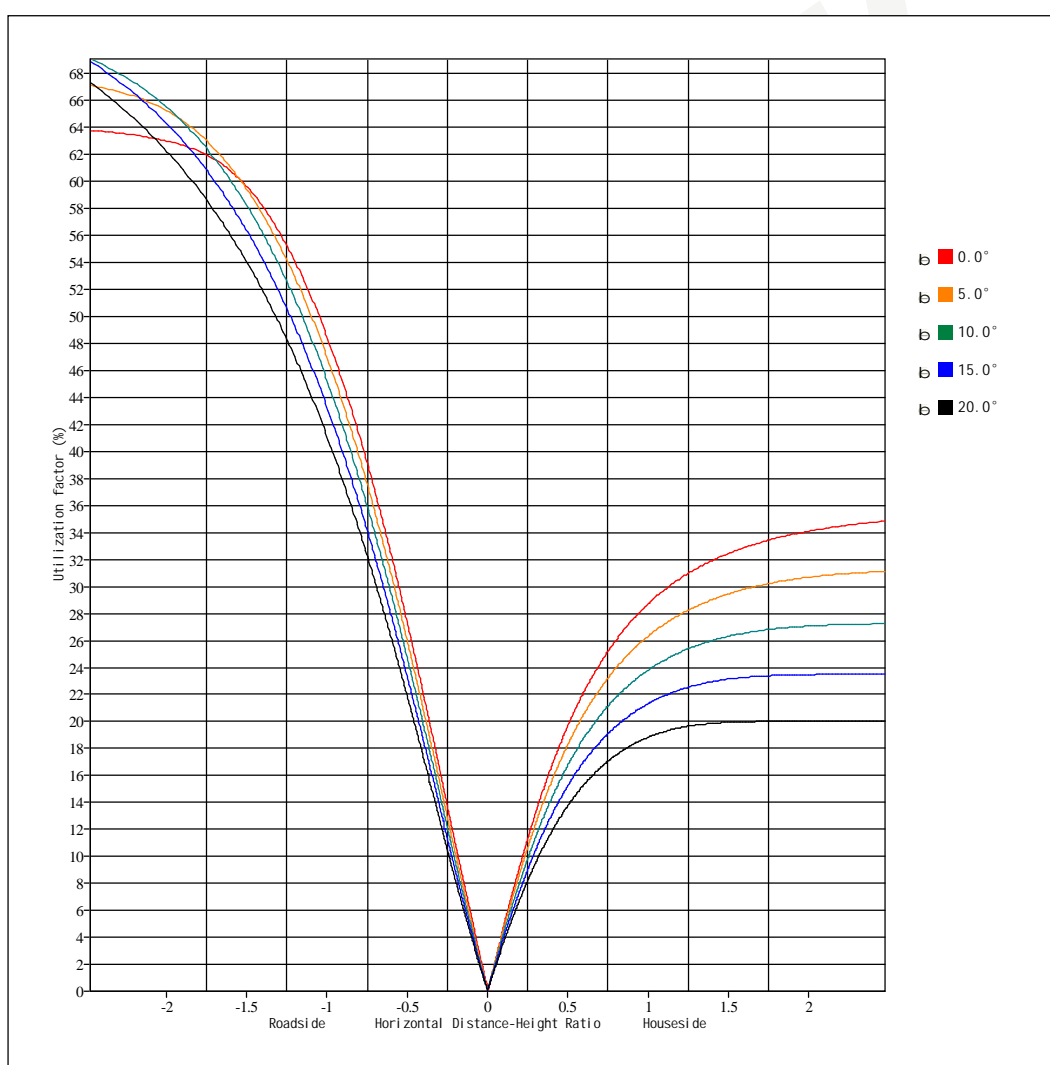
Humidity(%): 60

Date: 2018-8-29

Remark: 带时空

| | | |
|---|------------|---------------------|
| Measured Para U: 220.1V I: 832.0mA P: 180.40W PF: 0.985 Test LM: 26697.43lm | | |
| Lamp Name: | Lamp Type: | Weight(kg): |
| Lamp ID: | Lamp Spec: | Shape Si ze: |
| Manufactory: | Sur(m^2): | Protect Angle(Deg): |

Utilization Coefficient



Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 30

Tester:

Distance(m): 10.523

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 22.5

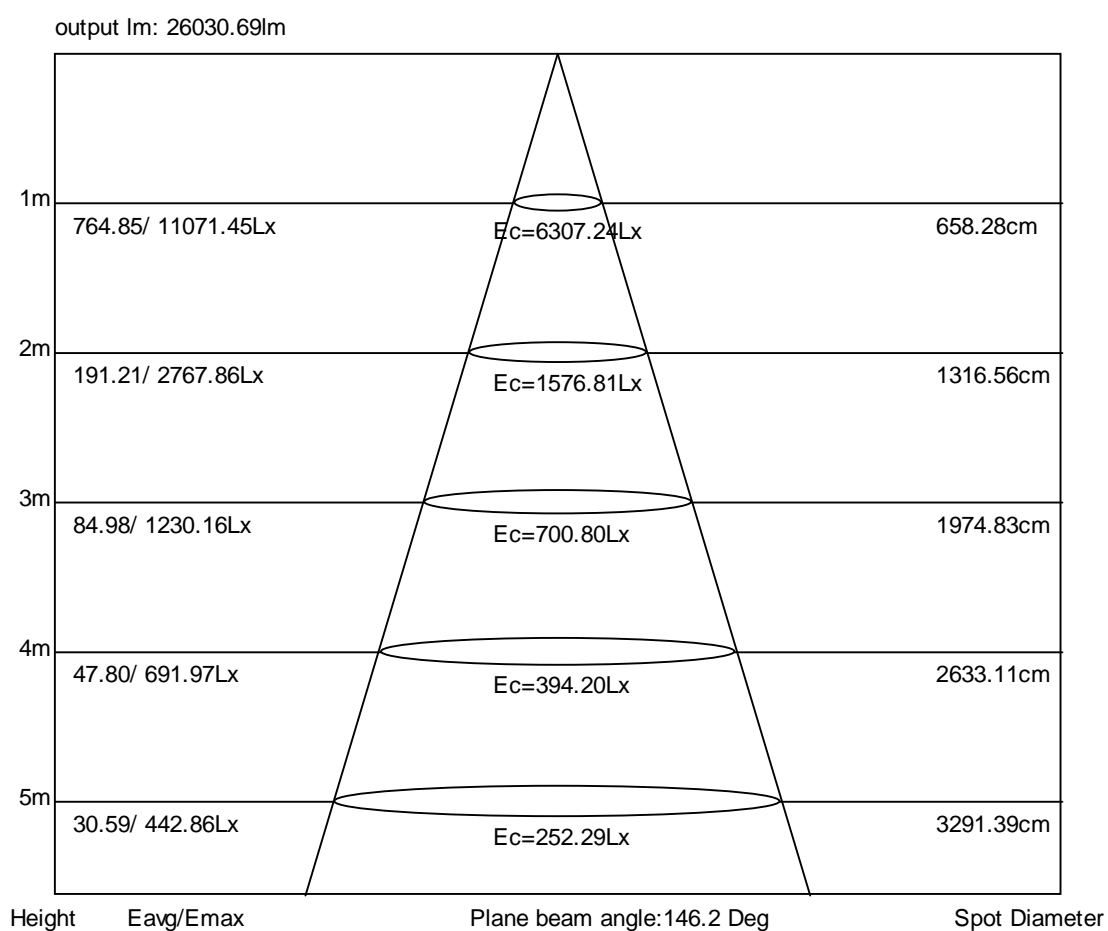
Humidity(%): 60

Date: 2018-8-29

Remark: 带时空

| | | |
|---|------------|---------------------|
| Measured Para U: 220.1V I: 832.0mA P: 180.40W PF: 0.985 Test LM: 26697.43lm | | |
| Lamp Name: | Lamp Type: | Weight(kg): |
| Lamp ID: | Lamp Spec: | Shape Si ze: |
| Manufactory: | Sur(m^2): | Protect Angle(Deg): |

Average Illumination



Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 30

Tester:

Distance(m): 10.523

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 22.5

Humidity(%): 60

Date: 2018-8-29

Remark: 带时空

| | | |
|---|------------|---------------------|
| Measured Para U: 220.1V I: 832.0mA P: 180.40W PF: 0.985 Test LM: 26697.43lm | | |
| Lamp Name: | Lamp Type: | Weight(kg): |
| Lamp ID: | Lamp Spec: | Shape Size: |
| Manufactory: | 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 | 6409 | 6698 | 6812 | 6653 | 6430 | 6033 | 5842 | 5943 | 0-5 | 151 | 151 |
| 10 | 6505 | 7037 | 7244 | 7044 | 6531 | 5720 | 5343 | 5636 | 5-10 | 453 | 604 |
| 15 | 6666 | 7388 | 7643 | 7442 | 6687 | 5419 | 4946 | 5371 | 10-15 | 757 | 1361 |
| 20 | 6867 | 7743 | 8012 | 7854 | 6879 | 5144 | 4602 | 5135 | 15-20 | 1064 | 2425 |
| 25 | 7100 | 8097 | 8313 | 8270 | 7090 | 4864 | 4200 | 4916 | 20-25 | 1372 | 3797 |
| 30 | 7339 | 8441 | 8539 | 8679 | 7294 | 4556 | 3797 | 4677 | 25-30 | 1674 | 5471 |
| 35 | 7595 | 8768 | 8652 | 9101 | 7496 | 4274 | 3469 | 4452 | 30-35 | 1967 | 7438 |
| 40 | 7865 | 9073 | 8585 | 9512 | 7677 | 3956 | 3160 | 4200 | 35-40 | 2246 | 9684 |
| 45 | 8133 | 9342 | 8271 | 9921 | 7834 | 3621 | 2873 | 3919 | 40-45 | 2498 | 12182 |
| 50 | 8409 | 9531 | 7477 | 10308 | 7941 | 3263 | 2577 | 3603 | 45-50 | 2708 | 14890 |
| 55 | 8677 | 9598 | 5603 | 10568 | 7952 | 2872 | 2272 | 3248 | 50-55 | 2841 | 17731 |
| 60 | 8848 | 9168 | 1400 | 10256 | 7711 | 2447 | 1944 | 2834 | 55-60 | 2793 | 20523 |
| 65 | 8664 | 7029 | 643 | 8009 | 6808 | 1977 | 1538 | 2369 | 60-65 | 2460 | 22983 |
| 70 | 7180 | 2454 | 455 | 3952 | 4680 | 1417 | 962 | 1838 | 65-70 | 1943 | 24927 |
| 75 | 4005 | 501 | 277 | 749 | 2291 | 738 | 259 | 1155 | 70-75 | 1174 | 26101 |
| 80 | 1289 | 197 | 133 | 139 | 605 | 127 | 101 | 365 | 75-80 | 485 | 26586 |
| 85 | 170 | 44.9 | 19.5 | 8.89 | 13 | 5.15 | 0.91 | 48 | 80-85 | 104 | 26690 |
| 90 | 1.48 | 1.32 | 0.17 | 0.32 | 2.77 | 0.79 | 0.18 | 1.05 | 85-90 | 7.21 | 26697 |
| 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:

Distance(m): 10.523

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 22.5

Humidity(%): 60

Date: 2018-8-29

Remark: 带时空

| | | |
|---|------------|---------------------|
| Measured Para U: 220.1V I: 832.0mA P: 180.40W PF: 0.985 Test LM: 26697.43lm | | |
| Lamp Name: | Lamp Type: | Weight (kg): |
| Lamp ID: | Lamp Spec: | Shape Size: |
| Manufactory: | 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 | 6409 | 6513 | 6661 | 6715 | 6774 | 6754 | 6669 | 6609 | 6449 | 6430 | 6225 | 6069 | 5897 | 5835 | 5813 | 5833 | 5970 | 6109 |
| 10.0 | 6505 | 6725 | 6976 | 7099 | 7195 | 7189 | 7092 | 6974 | 6699 | 6531 | 6139 | 5799 | 5498 | 5360 | 5343 | 5443 | 5705 | 6020 |
| 15.0 | 6666 | 6990 | 7311 | 7471 | 7587 | 7596 | 7504 | 7353 | 6992 | 6687 | 6098 | 5549 | 5139 | 4967 | 4961 | 5115 | 5487 | 5996 |
| 20.0 | 6867 | 7284 | 7655 | 7829 | 7952 | 7981 | 7911 | 7750 | 7317 | 6879 | 6085 | 5325 | 4827 | 4628 | 4630 | 4827 | 5301 | 6016 |
| 25.0 | 7100 | 7611 | 8006 | 8160 | 8261 | 8311 | 8295 | 8153 | 7654 | 7090 | 6083 | 5099 | 4492 | 4242 | 4260 | 4536 | 5135 | 6063 |
| 30.0 | 7339 | 7952 | 8353 | 8448 | 8501 | 8578 | 8646 | 8550 | 7991 | 7294 | 6070 | 4849 | 4154 | 3861 | 3901 | 4255 | 4953 | 6116 |
| 35.0 | 7595 | 8312 | 8691 | 8675 | 8641 | 8758 | 8965 | 8965 | 8358 | 7496 | 6033 | 4613 | 3835 | 3529 | 3588 | 3985 | 4783 | 6169 |
| 40.0 | 7865 | 8712 | 9020 | 8819 | 8630 | 8805 | 9233 | 9379 | 8748 | 7677 | 5951 | 4338 | 3516 | 3215 | 3282 | 3700 | 4586 | 6201 |
| 45.0 | 8133 | 9135 | 9328 | 8833 | 8400 | 8647 | 9402 | 9795 | 9155 | 7834 | 5813 | 4037 | 3209 | 2926 | 2982 | 3396 | 4356 | 6193 |
| 50.0 | 8409 | 9593 | 9582 | 8627 | 7773 | 8124 | 9421 | 10k | 9589 | 7941 | 5604 | 3702 | 2878 | 2621 | 2670 | 3068 | 4087 | 6142 |
| 55.0 | 8677 | 10k | 9750 | 7937 | 6244 | 6758 | 9043 | 11k | 10k | 7952 | 5291 | 3318 | 2514 | 2296 | 2352 | 2728 | 3774 | 6029 |
| 60.0 | 8848 | 11k | 9526 | 5857 | 2591 | 3376 | 7408 | 10k | 10k | 7711 | 4820 | 2876 | 2128 | 1951 | 2012 | 2352 | 3387 | 5796 |
| 65.0 | 8664 | 11k | 7911 | 2913 | 693 | 771 | 3368 | 8513 | 9873 | 6808 | 4035 | 2341 | 1700 | 1546 | 1614 | 1938 | 2910 | 5321 |
| 70.0 | 7180 | 9220 | 3998 | 1185 | 484 | 474 | 1686 | 4685 | 6975 | 4680 | 2695 | 1634 | 1147 | 981 | 1067 | 1421 | 2264 | 4207 |
| 75.0 | 4005 | 5532 | 1649 | 399 | 307 | 293 | 463 | 1207 | 2776 | 2291 | 1310 | 833 | 466 | 287 | 452 | 857 | 1435 | 2631 |
| 80.0 | 1289 | 1617 | 518 | 185 | 153 | 138 | 142 | 221 | 525 | 605 | 293 | 154 | 90.3 | 87.6 | 136 | 244 | 479 | 939 |
| 85.0 | 170 | 234 | 88.2 | 48.2 | 32.8 | 21.6 | 18.9 | 11.4 | 19.2 | 13 | 5.52 | 5 | 2.47 | 0.98 | 3.29 | 20.7 | 57.9 | 103 |
| 90.0 | 1.48 | 2.22 | 1.54 | 0.65 | 0.22 | 0.2 | 0.26 | 0.4 | 0.95 | 2.77 | 3.07 | 1.29 | 0.41 | 0.19 | 0.18 | 0.48 | 1.35 | 2.28 |
| 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)

Gama interval (Deg): 1

Temperature(Deg): 30

Tester:

Distance(m): 10.523

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 22.5

Humidity(%): 60

Date: 2018-8-29

Remark: 带时空