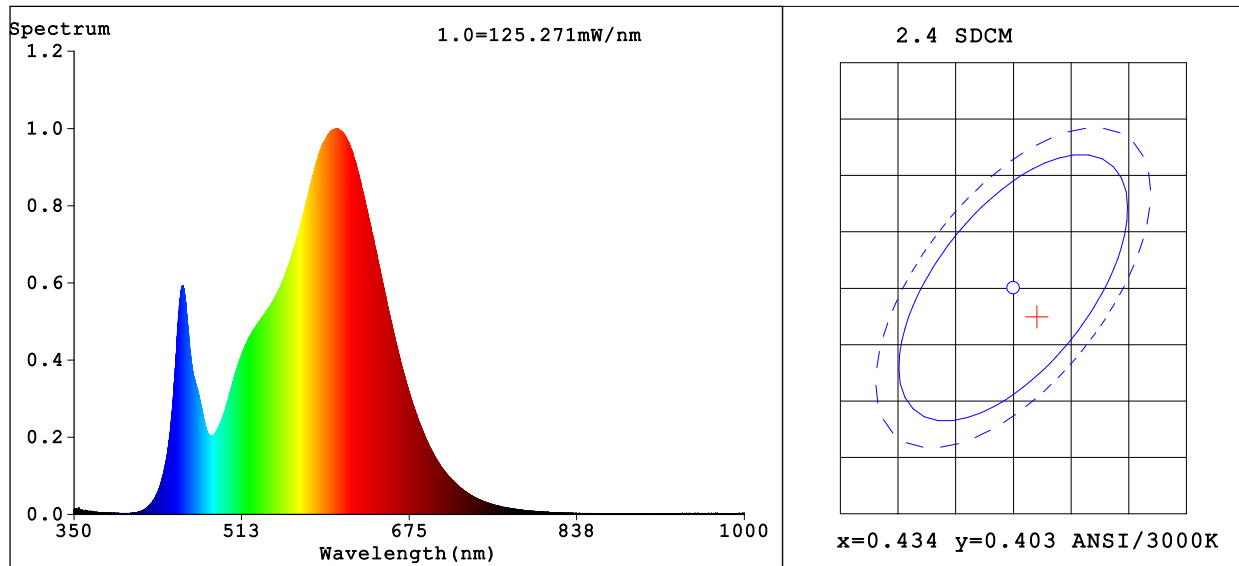


## Spectrum Test Report



## Color Parameters:

Chromaticity Coordinate:  $x=0.4359$   $y=0.4004$   $u'=0.2515$   $v'=0.5198$   
CCT=2988K (Duv=-0.0013) Dominant WL:Ld =583.4nm WL:Lc = --nm Purity=51.0%  
Ratio:R=23.3% G=74.0% B=2.7% Peak WL:Lp=605.7nm FWHM=128.0nm  
Render Index:Ra=83.5 AvgR=78.4

R1 =82.8 R2 =93.1 R3 =94.9 R4 =80.9 R5 =83.0 R6 =91.7 R7 =82.0  
R8 =59.8 R9 =11.2 R10=83.9 R11=80.6 R12=72.3 R13=85.6 R14=98.1 R15=75.4

## Photo Parameters:

Flux = 6064 lm Eff. : 133.49 lm/W Fe = 18.68 W

## Electrical parameters:

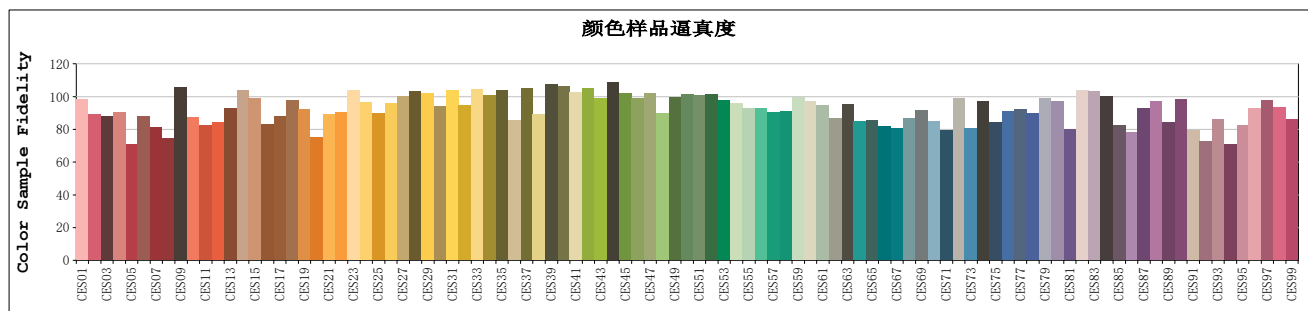
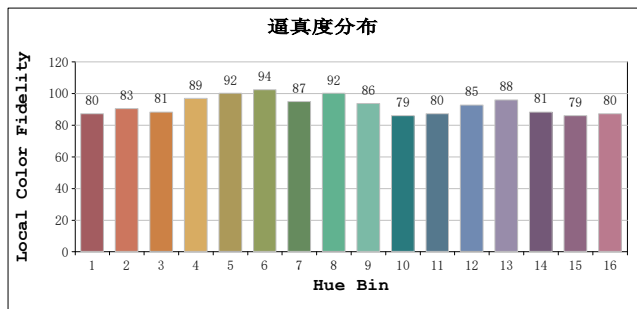
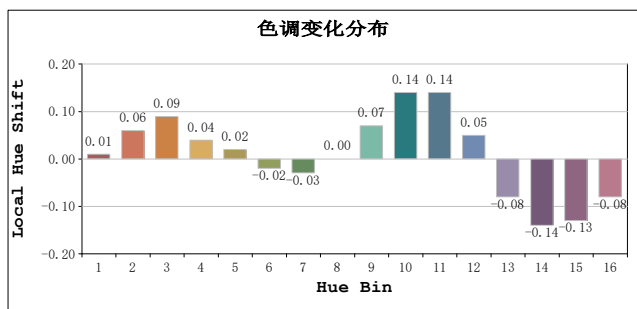
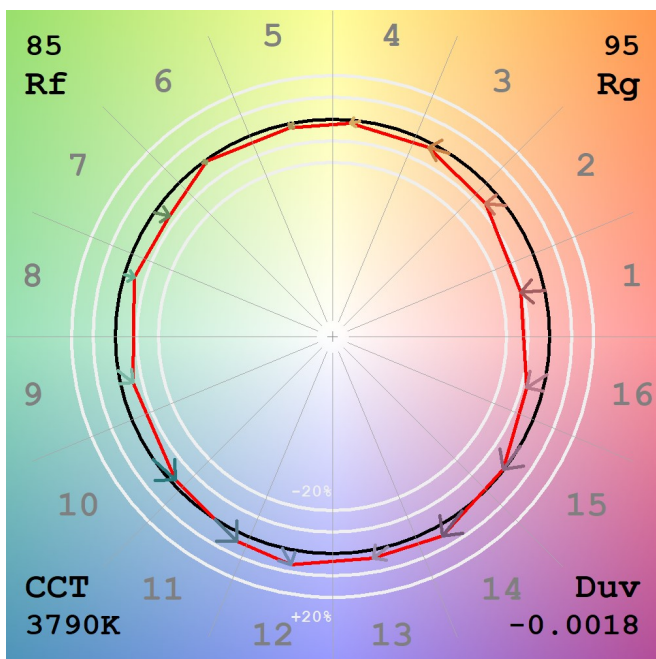
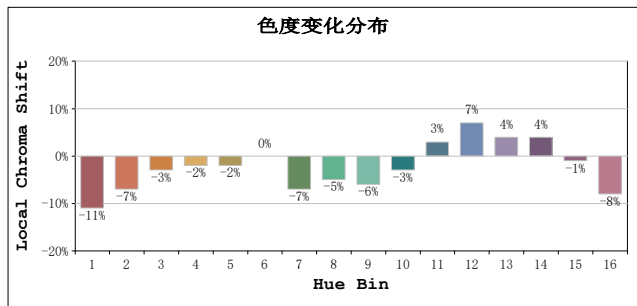
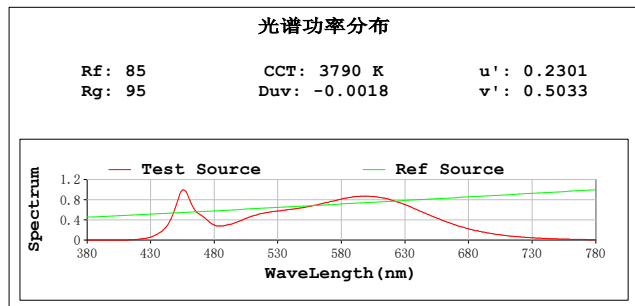
V = 120.23 V I = 0.3798 A P = 45.43 W PF = 0.9947  
LEVEL:OUT WHITE:ANSI\_3000K

Status: Integral T = 10 ms Ip = 44416 (68%)

Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:9  
Date:2025-01-14 15:29:28  
Humidity:55.0%  
Remarks:

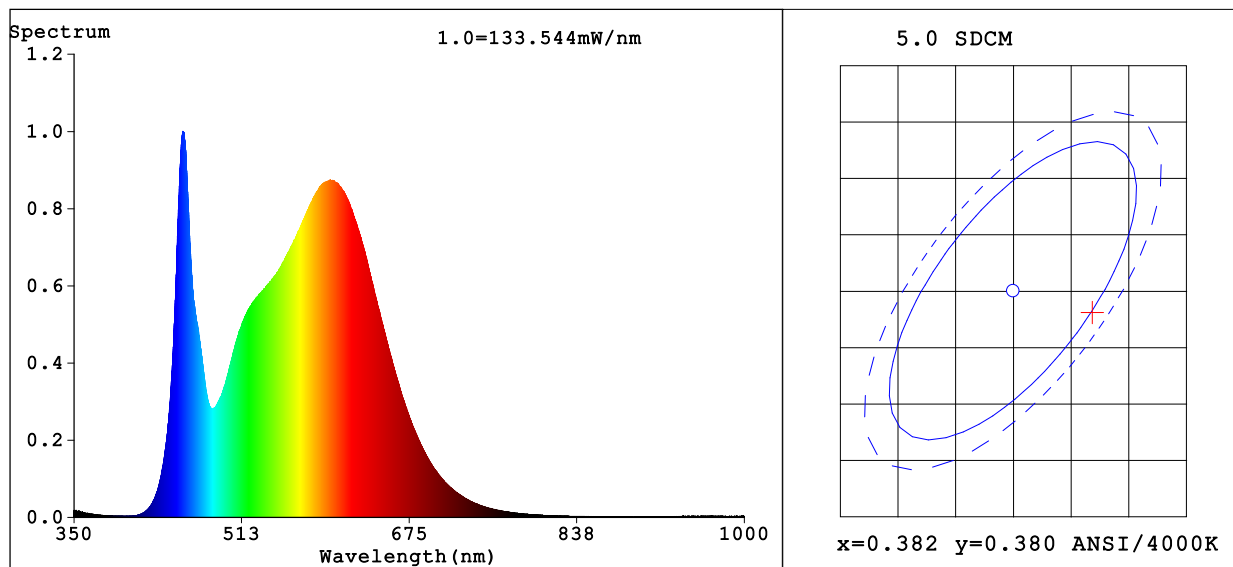
## TM30



Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:9  
Date:2025-01-14 15:29:28  
Humidity:55.0%  
Remarks:

## Spectrum Test Report



## Color Parameters:

Chromaticity Coordinate:  $x=0.3887$   $y=0.3778$   $u'=0.2301$   $v'=0.5033$   
CCT=3790K (Duv=-0.0018) Dominant WL:Ld =580.8nm WL:Lc = --nm Purity=30.0%  
Ratio:R=19.7% G=76.4% B=3.9% Peak WL:Lp=455.6nm FWHM=22.2nm  
Render Index:Ra=86.0 AvgR=80.8

R1 =85.9 R2 =94.4 R3 =95.8 R4 =83.0 R5 =85.3 R6 =90.7 R7 =85.2  
R8 =67.5 R9 =23.1 R10=85.4 R11=82.6 R12=65.2 R13=88.6 R14=98.7 R15=80.3

## Photo Parameters:

Flux = 6509 lm Eff. : 148.72 lm/W Fe = 20.31 W

## Electrical parameters:

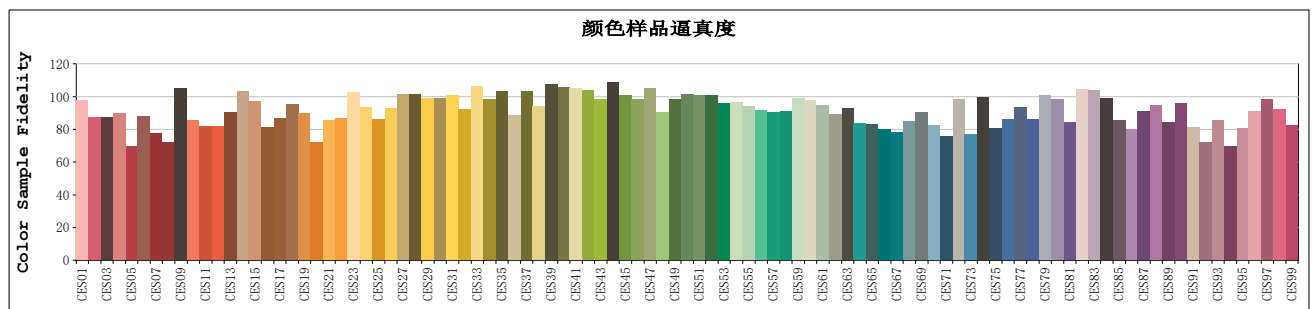
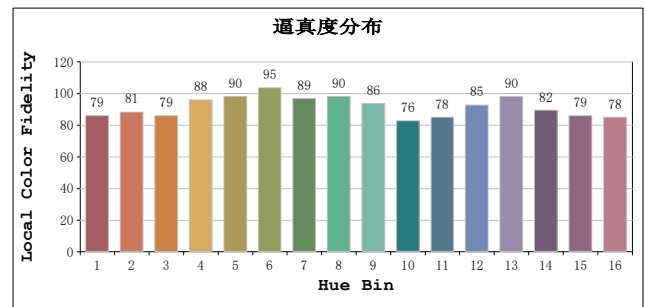
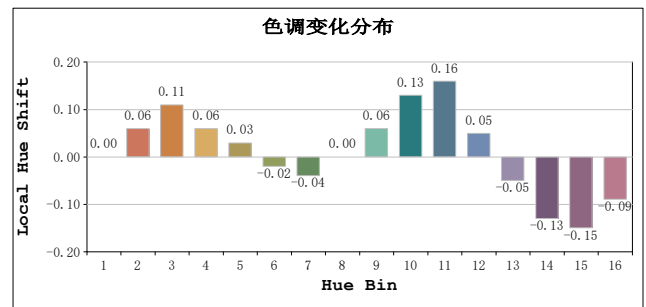
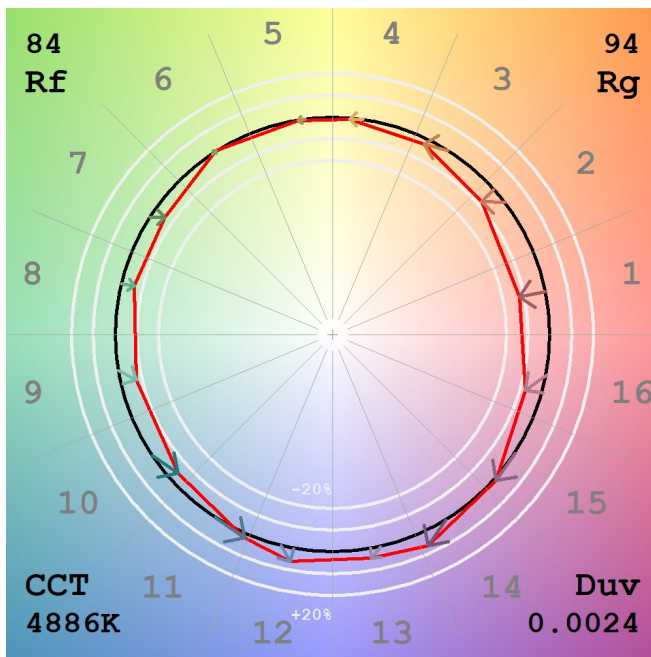
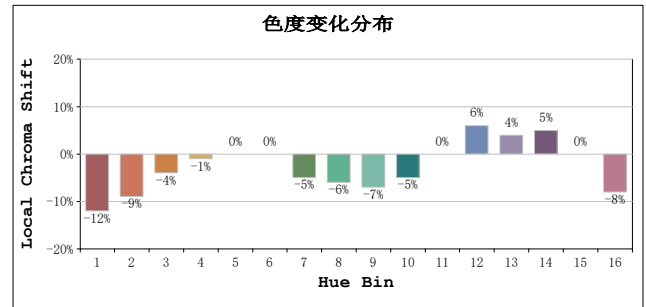
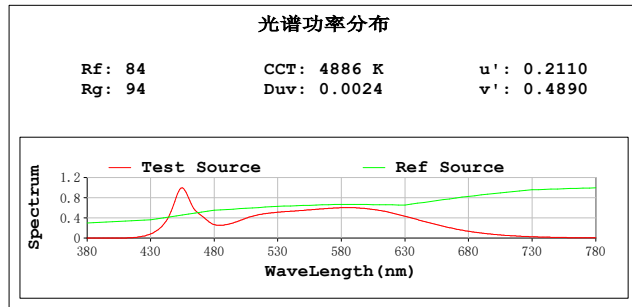
V = 120.23 V I = 0.3662 A P = 43.77 W PF = 0.9940  
LEVEL:OUT WHITE:ANSI\_4000K

Status: Integral T = 13 ms Ip = 54032 (82%)

Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:8  
Date:2025-01-14 15:28:57  
Humidity:55.0%  
Remarks:

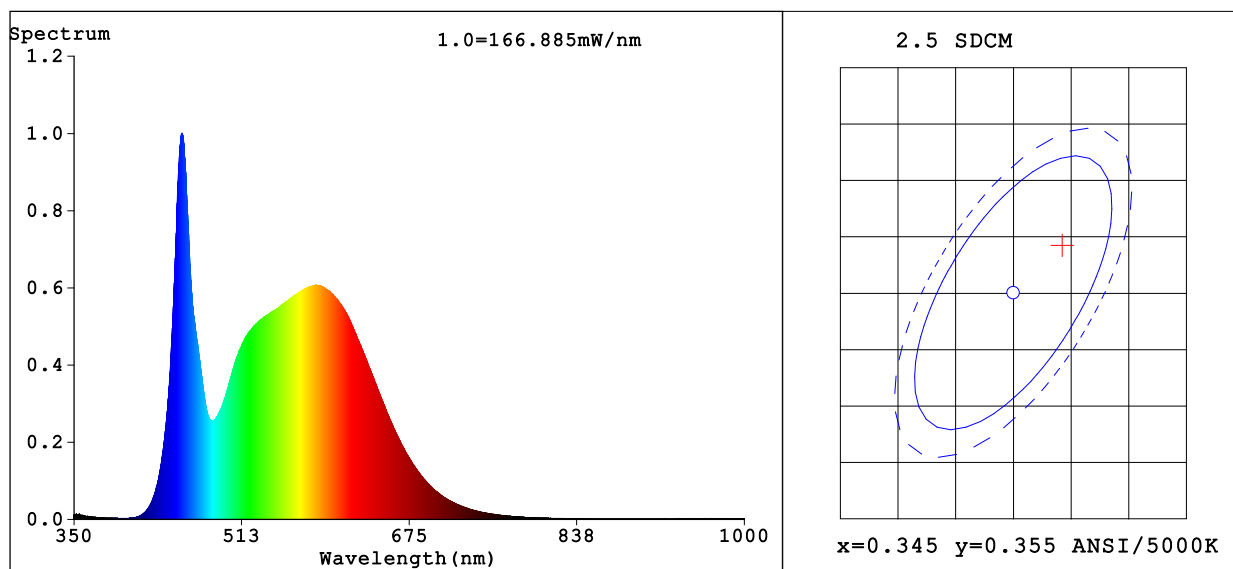
## TM30



Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:8  
Date:2025-01-14 15:28:57  
Humidity:55.0%  
Remarks:

## Spectrum Test Report



## Color Parameters:

Chromaticity Coordinate:  $x=0.3490$   $y=0.3595$   $u'=0.2110$   $v'=0.4890$   
CCT=4886K (Duv=0.0024) Dominant WL:Ld =571.9nm WL:Lc = --nm Purity=12.6%  
Ratio:R=16.1% G=79.2% B=4.7% Peak WL:Lp=454.9nm FWHM=22.0nm  
Render Index:Ra=84.2 AvgR=77.5

R1 =82.8 R2 =91.1 R3 =95.1 R4 =81.0 R5 =81.9 R6 =85.9 R7 =87.5  
R8 =68.7 R9 =15.7 R10=77.4 R11=79.9 R12=55.5 R13=85.4 R14=97.7 R15=77.6

## Photo Parameters:

Flux = 6362 lm Eff. : 140.16 lm/W Fe = 19.91 W

## Electrical parameters:

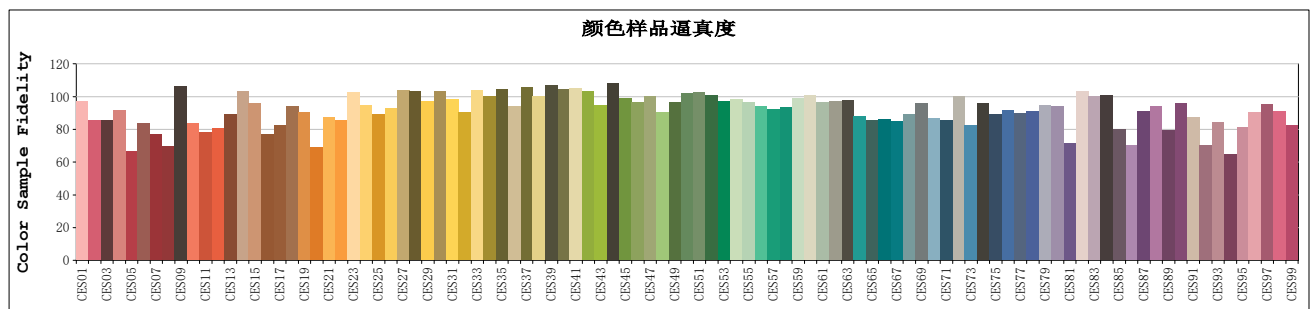
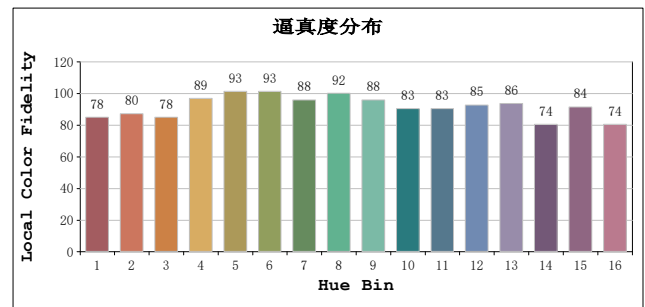
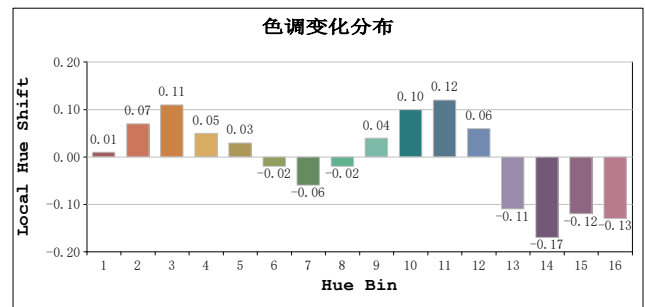
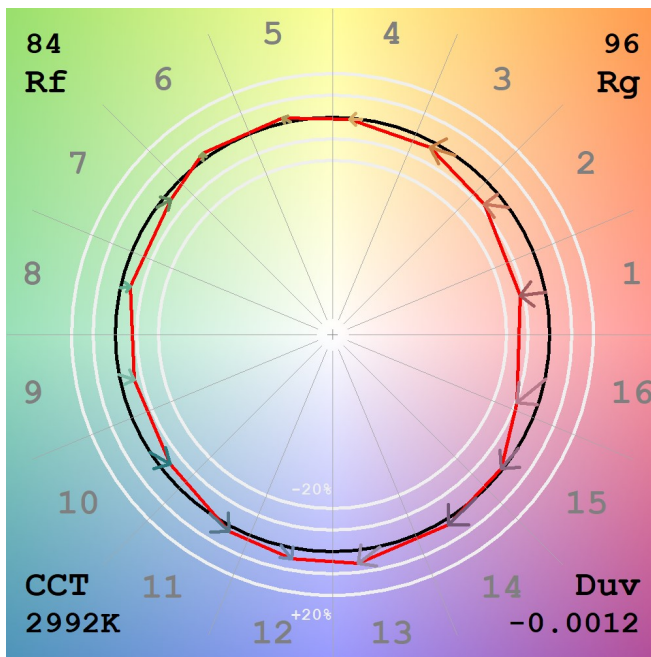
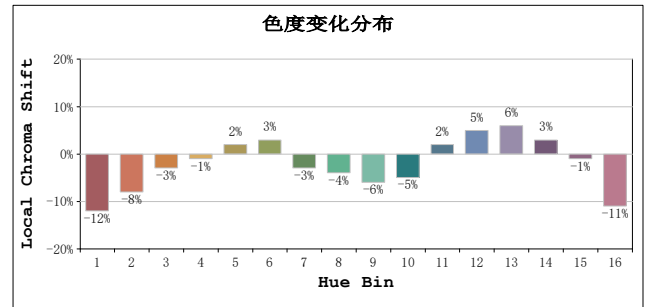
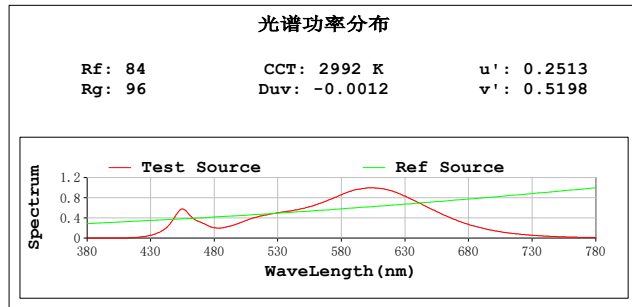
V = 120.23 V I = 0.3795 A P = 45.39 W PF = 0.9947  
LEVEL:OUT WHITE:ANSI\_5000K

Status: Integral T = 13 ms Ip = 51157 (78%)

Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:7  
Date:2025-01-14 15:28:26  
Humidity:55.0%  
Remarks:

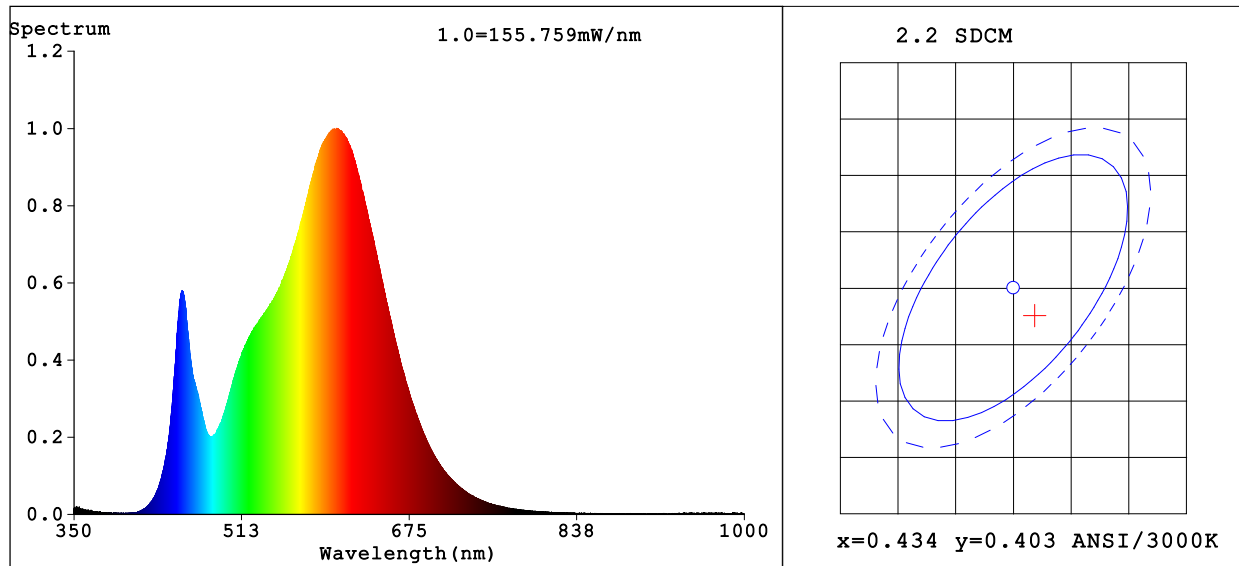
## TM30



Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:7  
Date:2025-01-14 15:28:26  
Humidity:55.0%  
Remarks:

## Spectrum Test Report



## Color Parameters:

Chromaticity Coordinate:  $x=0.4357$   $y=0.4005$   $u'=0.2513$   $v'=0.5198$   
CCT=2992K (Duv=-0.0012) Dominant WL:Ld =583.3nm WL:Lc = --nm Purity=51.0%  
Ratio:R=23.2% G=74.1% B=2.7% Peak WL:Lp=604.7nm FWHM=128.1nm  
Render Index:Ra=83.4 AvgR=78.1

R1 =82.6 R2 =92.8 R3 =95.1 R4 =80.8 R5 =82.7 R6 =91.3 R7 =82.1  
R8 =59.7 R9 =10.5 R10=83.2 R11=80.4 R12=72.2 R13=85.3 R14=98.2 R15=75.1

## Photo Parameters:

Flux = 7550 lm Eff. : 127.93 lm/W Fe = 23.24 W

## Electrical parameters:

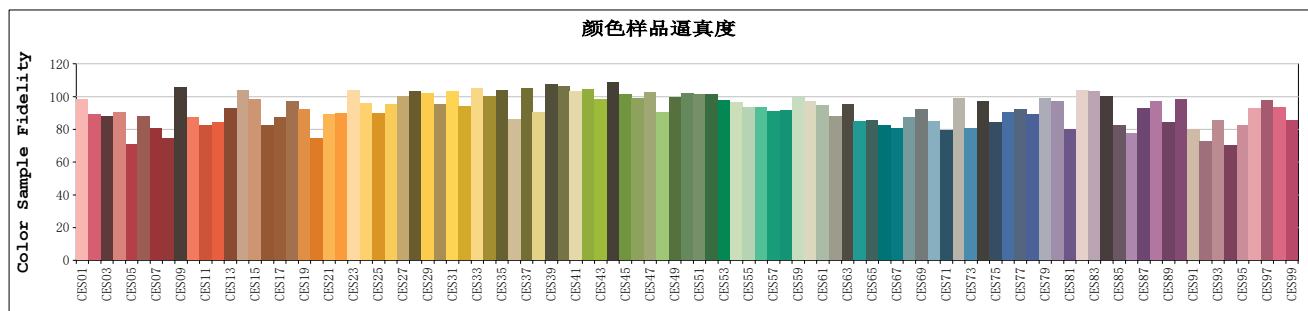
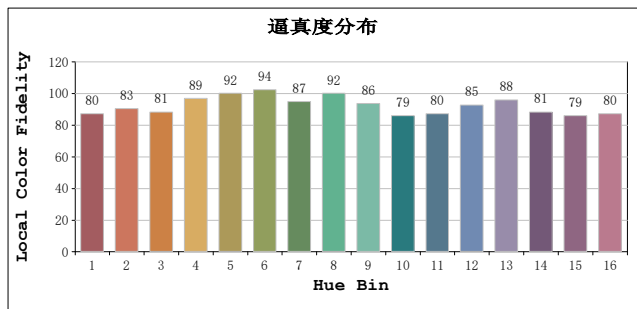
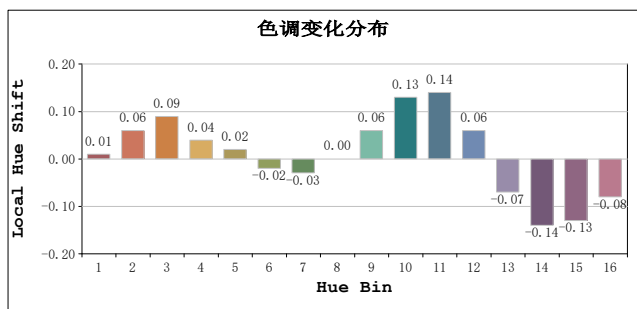
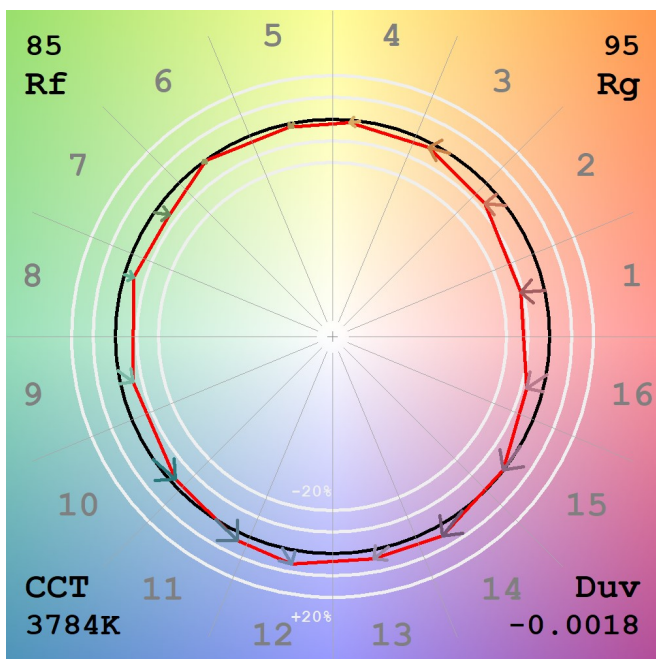
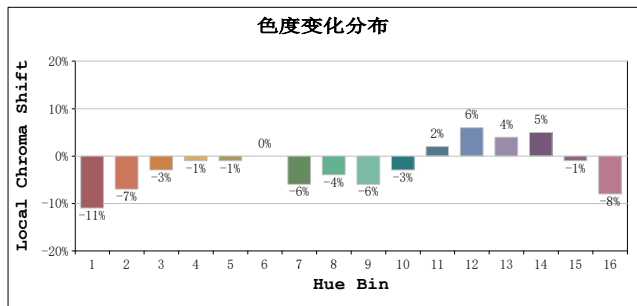
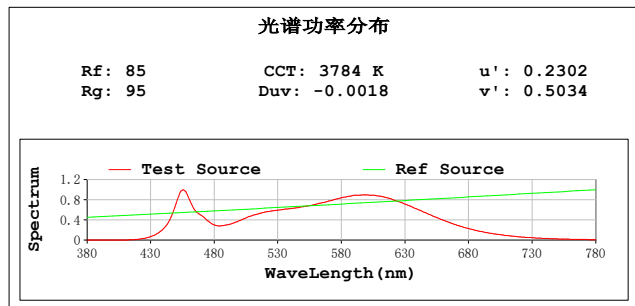
V = 120.20 V I = 0.4929 A P = 59.02 W PF = 0.9962  
LEVEL:OUT WHITE:ANSI\_3000K

Status: Integral T = 8 ms Ip = 44241 (68%)

Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:6  
Date:2025-01-14 15:27:53  
Humidity:55.0%  
Remarks:

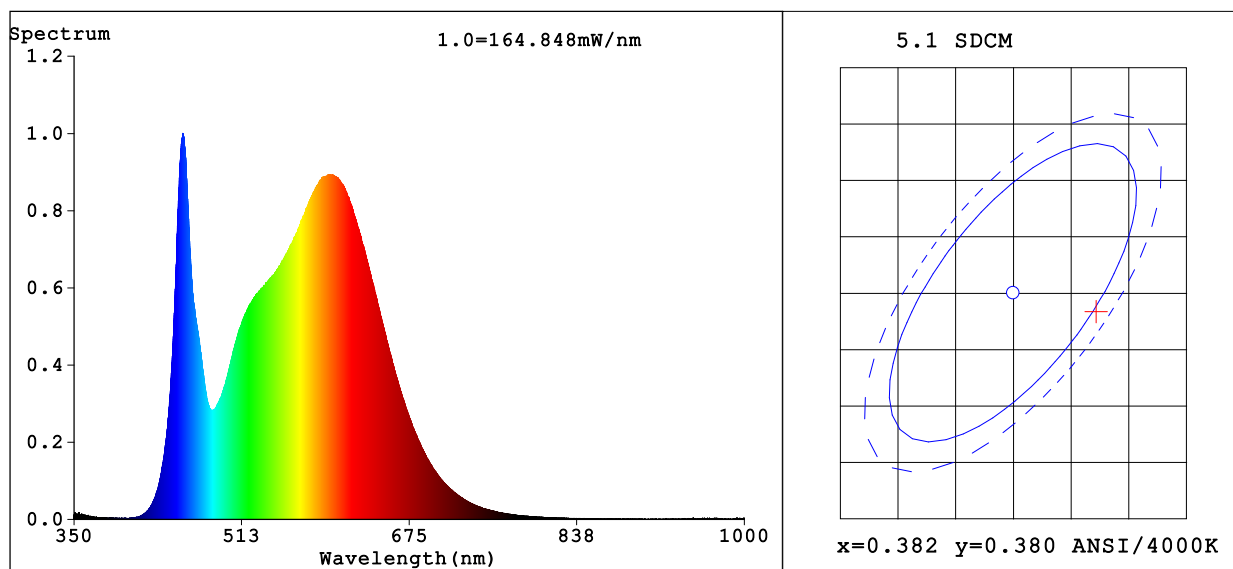
## TM30



Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:6  
Date:2025-01-14 15:27:53  
Humidity:55.0%  
Remarks:

## Spectrum Test Report



## Color Parameters:

Chromaticity Coordinate:  $x=0.3890$   $y=0.3780$   $u'=0.2302$   $v'=0.5034$   
CCT=3784K (Duv=-0.0018) Dominant WL:Ld =580.8nm WL:Lc = --nm Purity=30.2%  
Ratio:R=19.7% G=76.5% B=3.9% Peak WL:Lp=455.6nm FWHM=22.7nm  
Render Index:Ra=85.8 AvgR=80.5

R1 =85.6 R2 =94.0 R3 =95.9 R4 =83.1 R5 =85.1 R6 =90.5 R7 =85.2  
R8 =67.1 R9 =21.6 R10=84.7 R11=82.7 R12=65.4 R13=88.3 R14=98.7 R15=79.9

## Photo Parameters:

Flux = 8195 lm Eff. : 145.02 lm/W Fe = 25.48 W

## Electrical parameters:

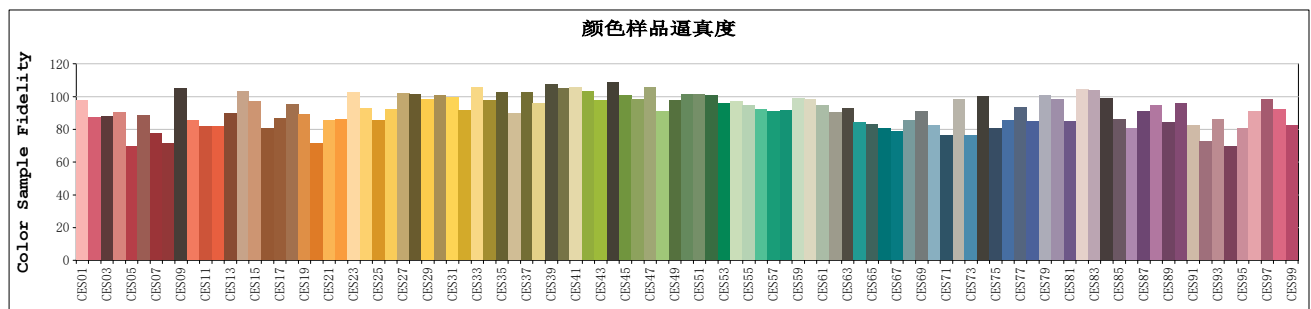
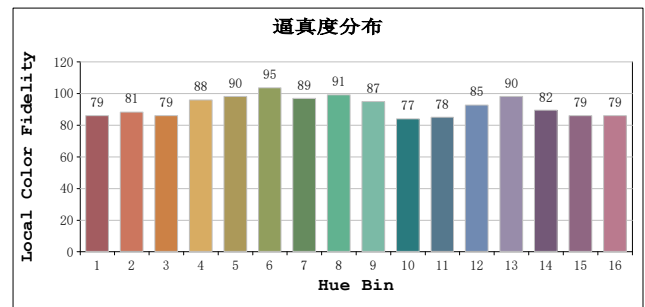
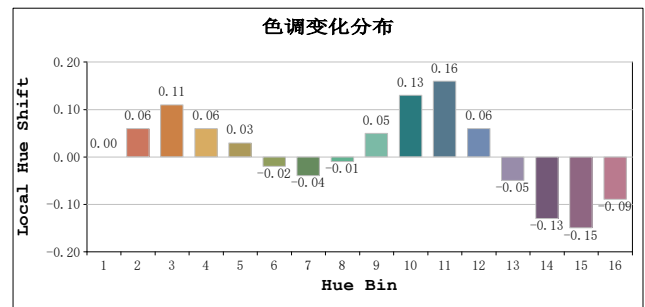
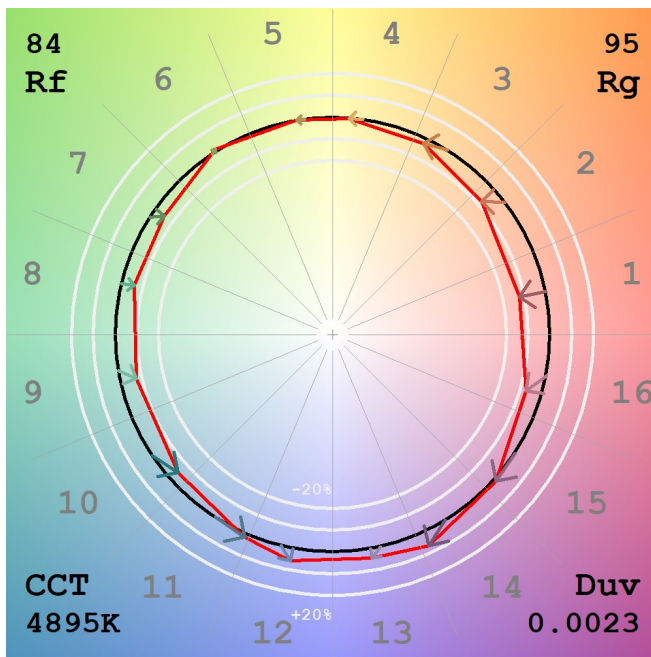
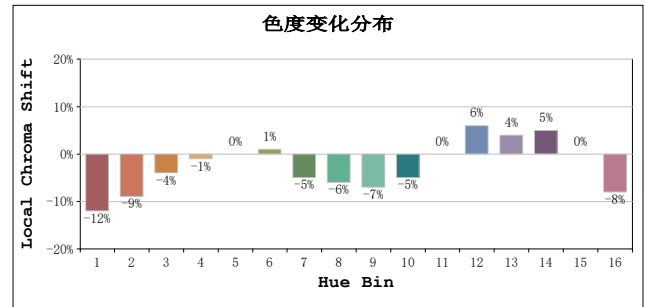
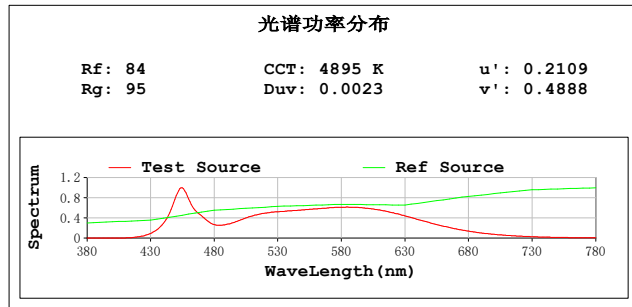
V = 120.23 V I = 0.4720 A P = 56.51 W PF = 0.9958  
LEVEL:OUT WHITE:ANSI\_4000K

Status: Integral T = 8 ms Ip = 42080 (64%)

Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:5  
Date:2025-01-14 15:27:12  
Humidity:55.0%  
Remarks:

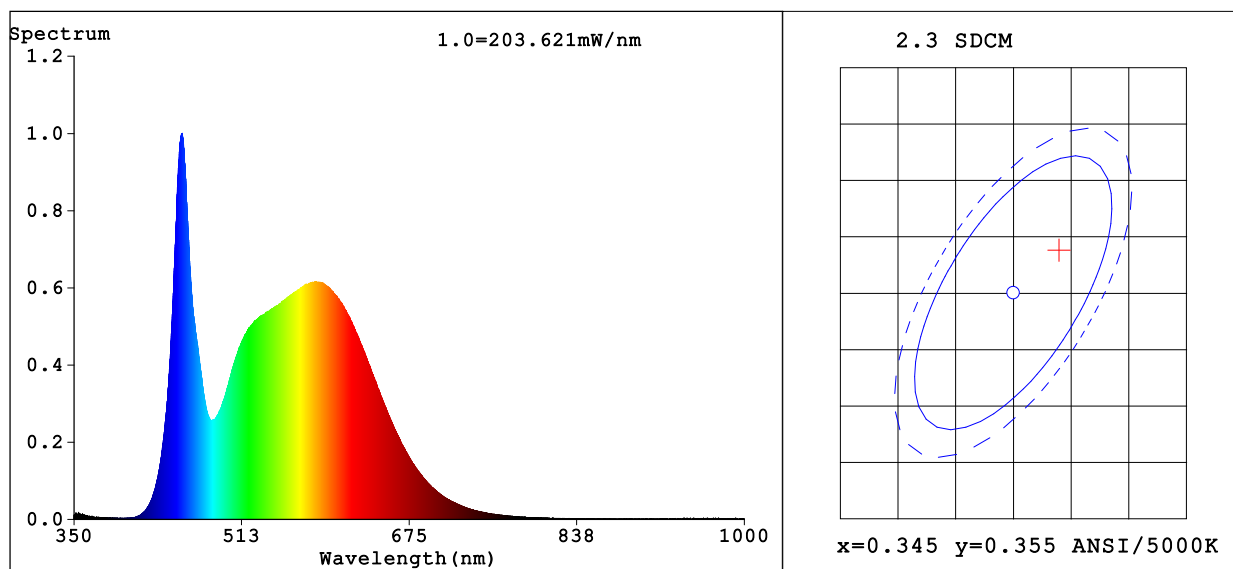
## TM30



Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:5  
Date:2025-01-14 15:27:12  
Humidity:55.0%  
Remarks:

## Spectrum Test Report



## Color Parameters:

Chromaticity Coordinate:  $x=0.3487$   $y=0.3591$   $u'=0.2109$   $v'=0.4888$   
CCT=4895K (Duv=0.0023) Dominant WL:Ld =571.9nm WL:Lc = --nm Purity=12.4%  
Ratio:R=16.1% G=79.2% B=4.7% Peak WL:Lp=454.9nm FWHM=22.4nm  
Render Index:Ra=84.2 AvgR=77.5

R1 =82.7 R2 =90.7 R3 =94.9 R4 =81.3 R5 =81.9 R6 =85.5 R7 =87.7  
R8 =68.8 R9 =15.4 R10=76.7 R11=80.2 R12=55.9 R13=85.2 R14=97.5 R15=77.5

## Photo Parameters:

Flux = 7872 lm Eff. : 133.18 lm/W Fe = 24.65 W

## Electrical parameters:

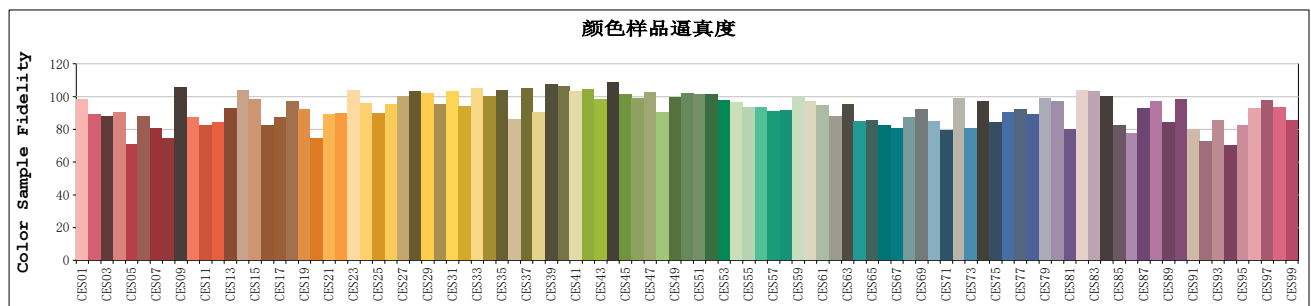
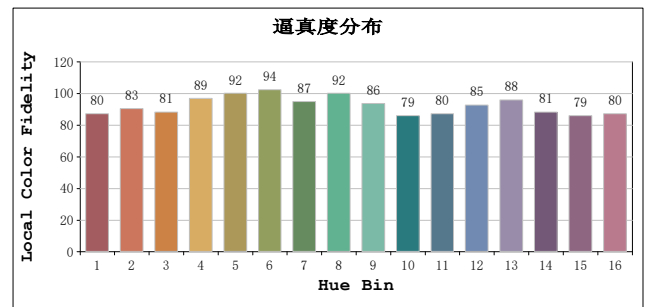
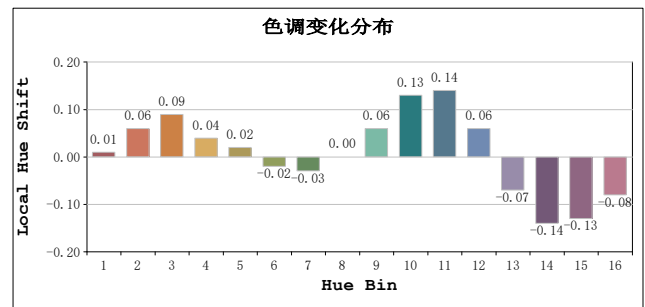
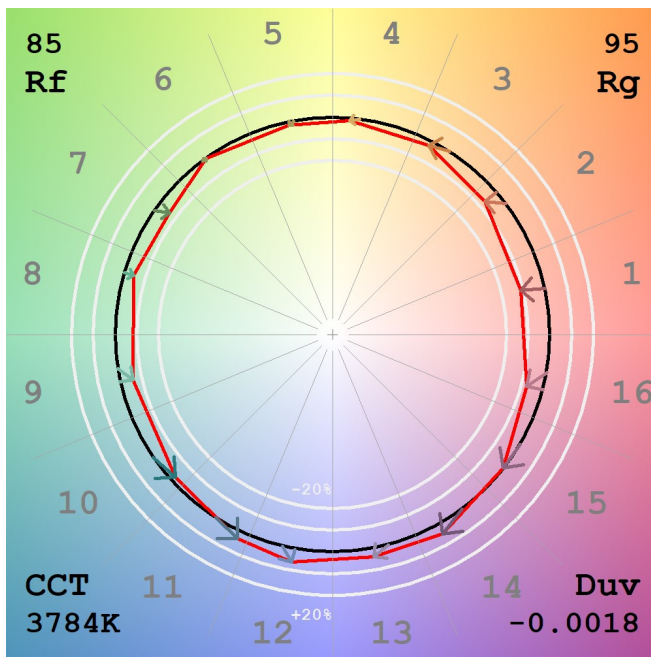
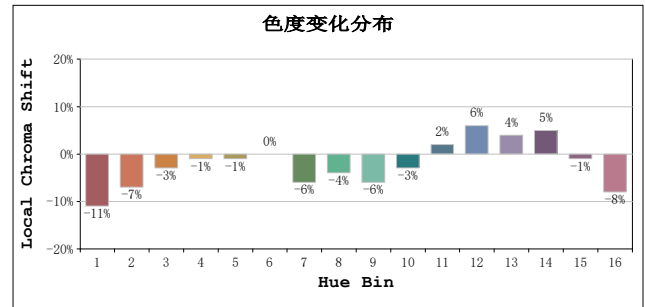
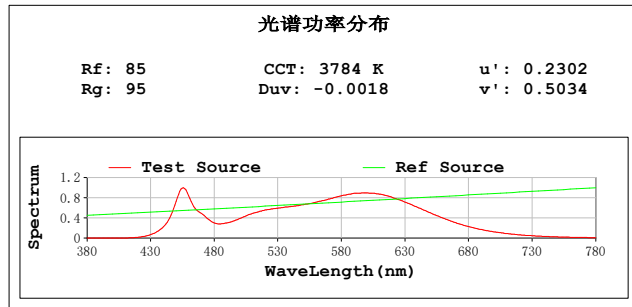
V = 120.21 V I = 0.4939 A P = 59.11 W PF = 0.9955  
LEVEL:OUT WHITE:ANSI\_5000K

Status: Integral T = 8 ms Ip = 38303 (58%)

Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:4  
Date:2025-01-14 15:26:38  
Humidity:55.0%  
Remarks:

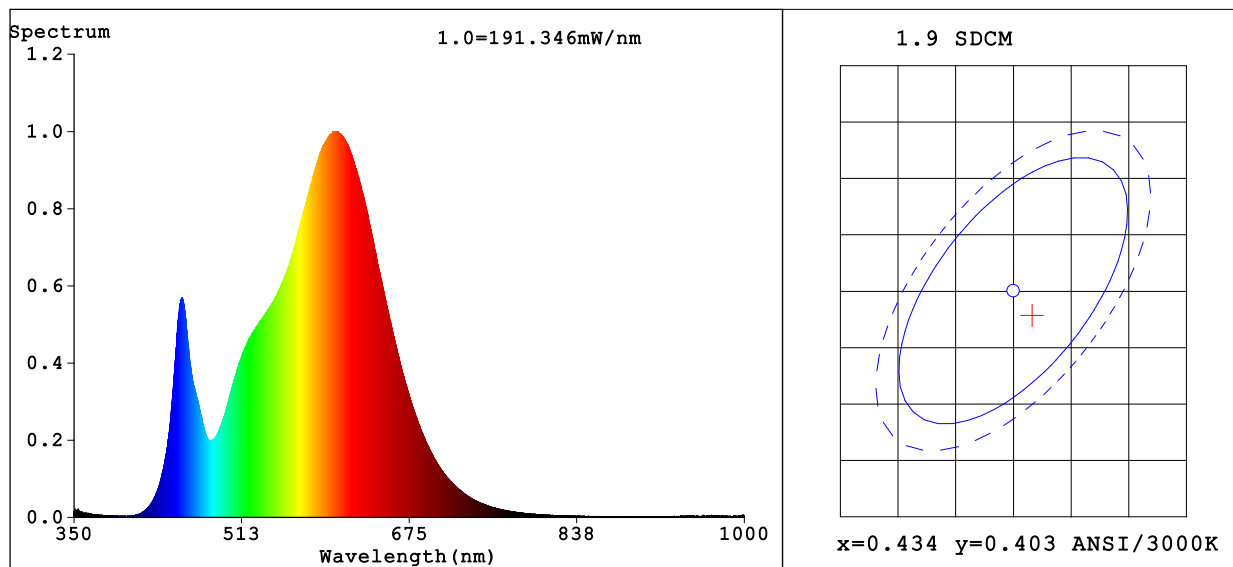
## TM30



Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:4  
Date:2025-01-14 15:26:38  
Humidity:55.0%  
Remarks:

## Spectrum Test Report



## Color Parameters:

Chromaticity Coordinate:  $x=0.4354$   $y=0.4008$   $u'=0.2510$   $v'=0.5199$   
CCT=2999K (Duv=-0.0011) Dominant WL:Ld =583.2nm WL:Lc = --nm Purity=51.0%  
Ratio:R=23.1% G=74.2% B=2.7% Peak WL:Lp=605.7nm FWHM=128.8nm  
Render Index:Ra=83.3 AvgR=77.9

R1 =82.2 R2 =92.3 R3 =95.6 R4 =80.9 R5 =82.5 R6 =90.8 R7 =82.3  
R8 =59.7 R9 =10.2 R10=82.2 R11=80.4 R12=71.9 R13=84.8 R14=98.5 R15=74.9

## Photo Parameters:

Flux = 9310 lm Eff. : 123.30 lm/W Fe = 28.65 W

## Electrical parameters:

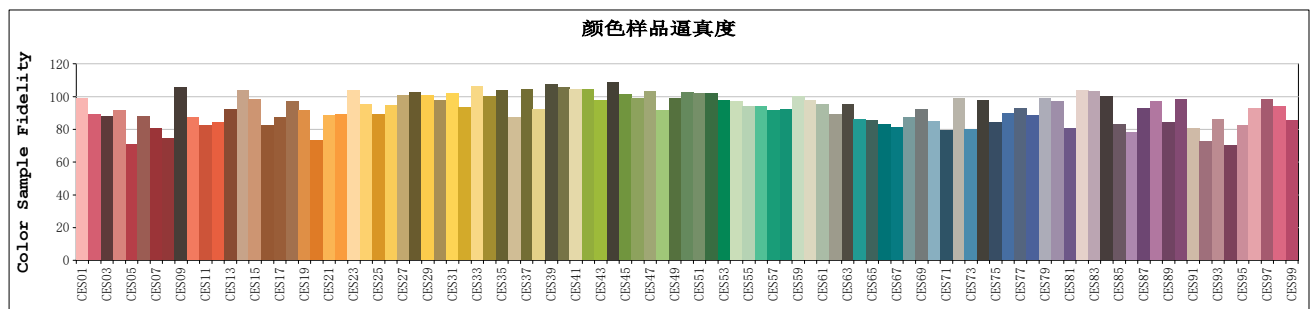
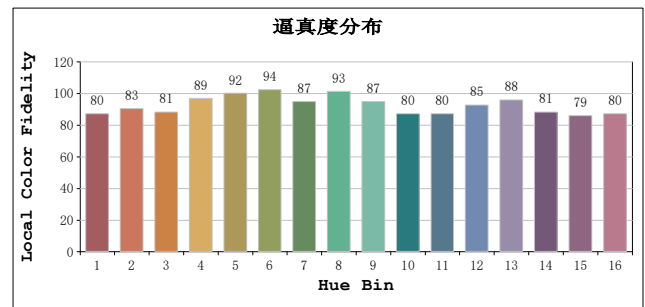
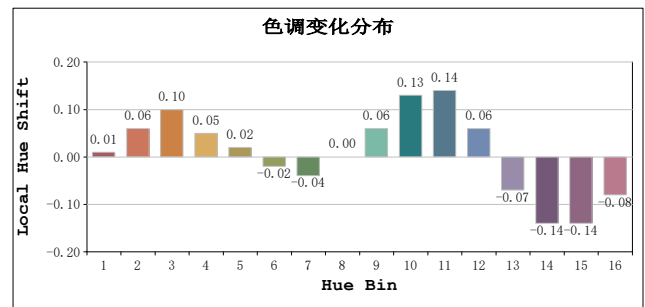
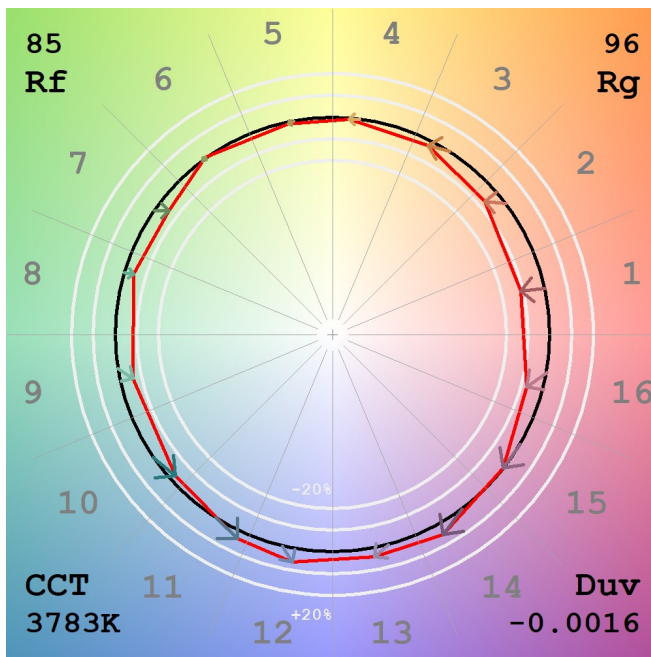
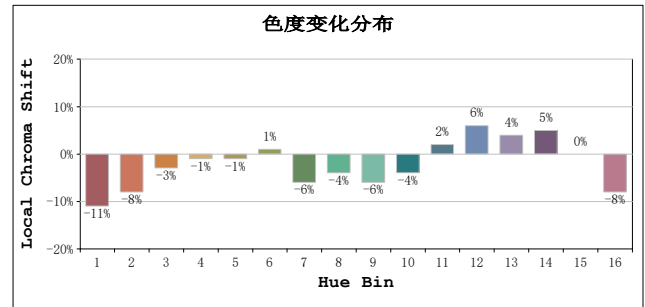
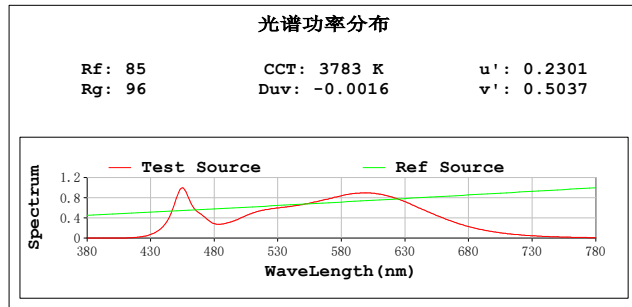
V = 120.17 V I = 0.6323 A P = 75.51 W PF = 0.9937  
LEVEL:OUT WHITE:ANSI\_3000K

Status: Integral T = 8 ms Ip = 53585 (82%)

Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:3  
Date:2025-01-14 15:24:45  
Humidity:55.0%  
Remarks:

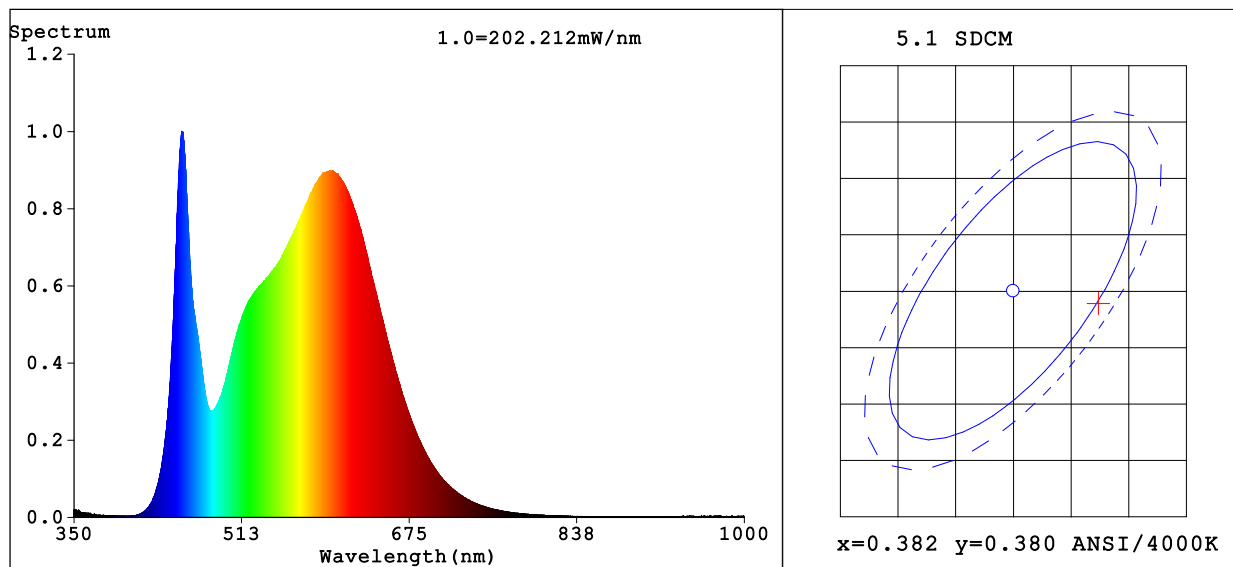
## TM30



Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:3  
Date:2025-01-14 15:24:45  
Humidity:55.0%  
Remarks:

## Spectrum Test Report



## Color Parameters:

Chromaticity Coordinate:  $x=0.3892$   $y=0.3786$   $u'=0.2301$   $v'=0.5037$   
CCT=3783K (Duv=-0.0016) Dominant WL:Ld =580.7nm WL:Lc = --nm Purity=30.4%  
Ratio:R=19.6% G=76.6% B=3.8% Peak WL:Lp=454.6nm FWHM=22.2nm  
Render Index:Ra=85.7 AvgR=80.3

R1 =85.3 R2 =93.4 R3 =96.2 R4 =83.3 R5 =84.8 R6 =89.9 R7 =85.6  
R8 =67.3 R9 =21.5 R10=83.4 R11=82.8 R12=65.1 R13=87.8 R14=98.7 R15=79.7

## Photo Parameters:

Flux = 10150 lm Eff. : 141.39 lm/W Fe = 31.54 W

## Electrical parameters:

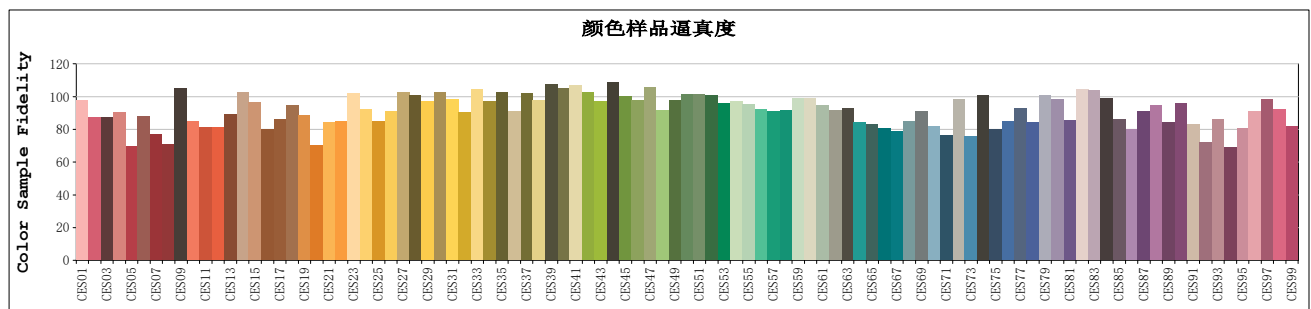
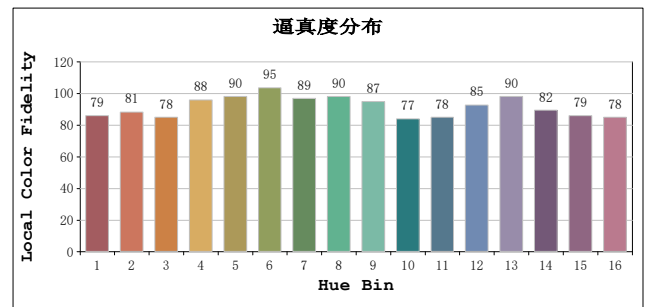
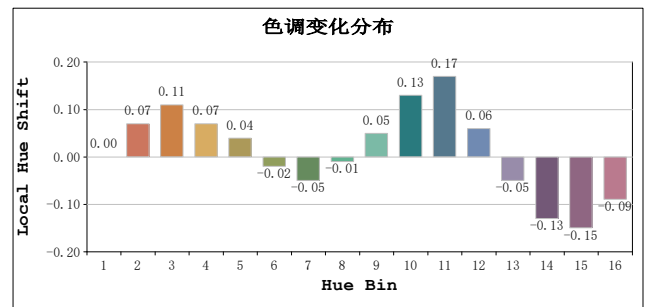
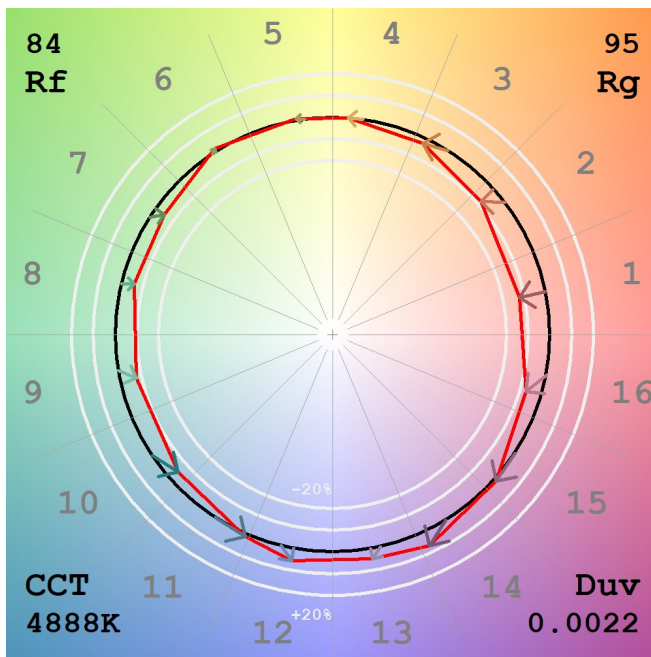
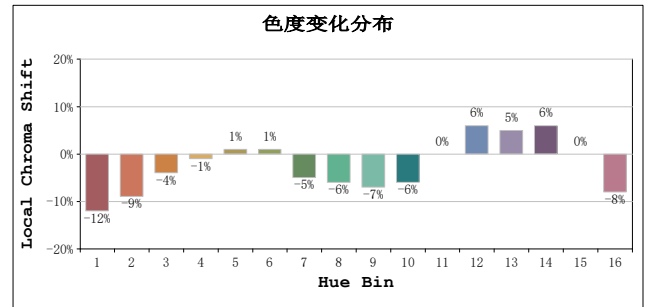
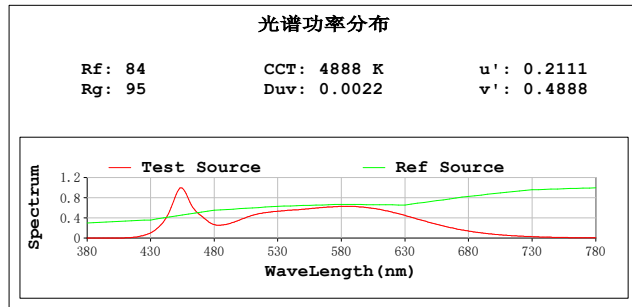
V = 120.19 V I = 0.6013 A P = 71.78 W PF = 0.9932  
LEVEL:OUT WHITE:ANSI\_4000K

Status: Integral T = 8 ms Ip = 52023 (79%)

Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:2  
Date:2025-01-14 15:22:35  
Humidity:55.0%  
Remarks:

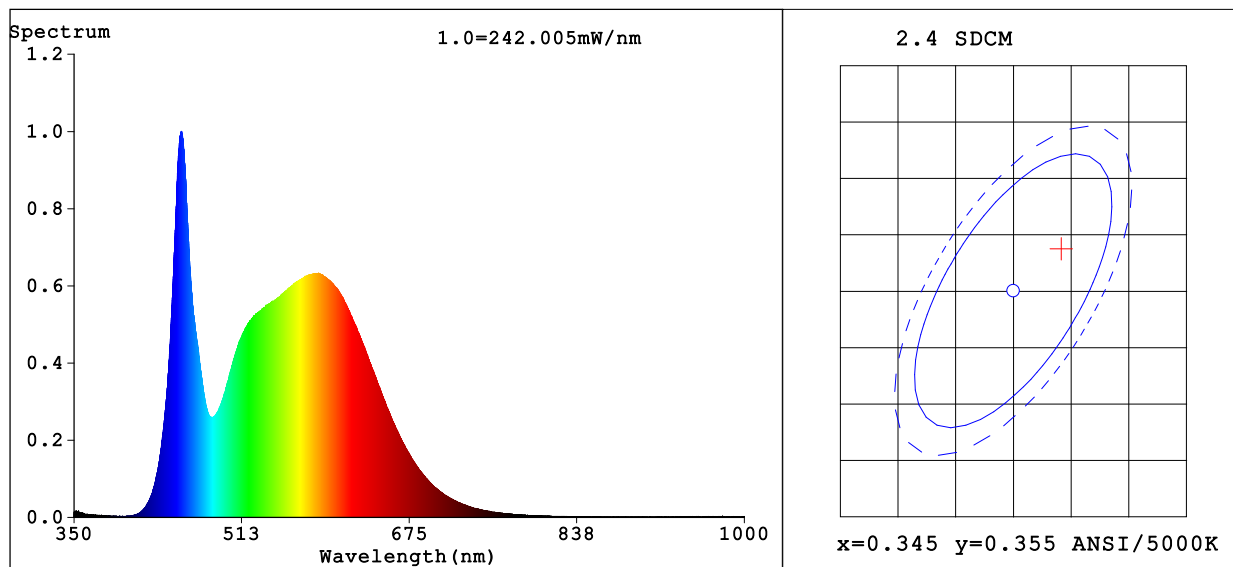
## TM30



Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:2  
Date:2025-01-14 15:22:35  
Humidity:55.0%  
Remarks:

## Spectrum Test Report



## Color Parameters:

Chromaticity Coordinate:  $x=0.3489$   $y=0.3590$   $u'=0.2111$   $v'=0.4888$   
CCT=4888K (Duv=0.0022) Dominant WL:Ld =572.1nm WL:Lc = --nm Purity=12.4%  
Ratio:R=16.0% G=79.3% B=4.6% Peak WL:Lp=454.2nm FWHM=22.9nm  
Render Index:Ra=83.9 AvgR=77.0

R1 =82.2 R2 =90.2 R3 =94.6 R4 =81.2 R5 =81.6 R6 =85.0 R7 =87.7  
R8 =68.4 R9 =13.6 R10=75.7 R11=79.9 R12=56.1 R13=84.6 R14=97.3 R15=77.0

## Photo Parameters:

Flux = 9579 lm Eff. : 126.94 lm/W Fe = 29.96 W

## Electrical parameters:

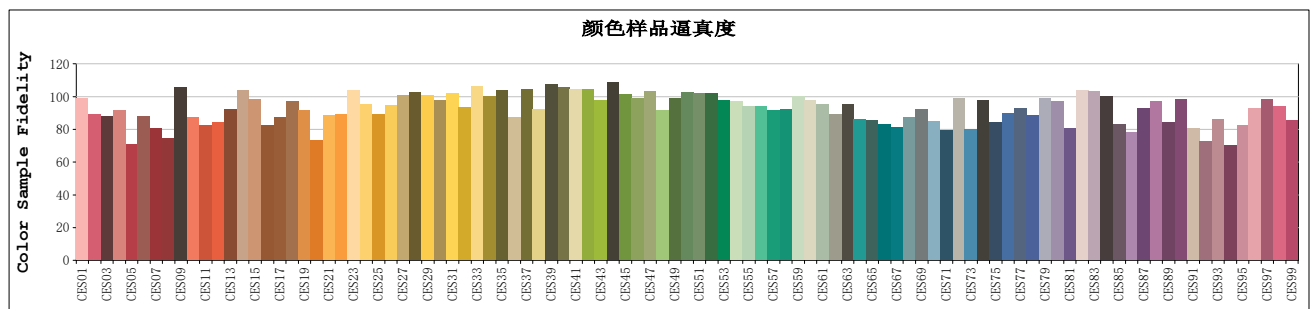
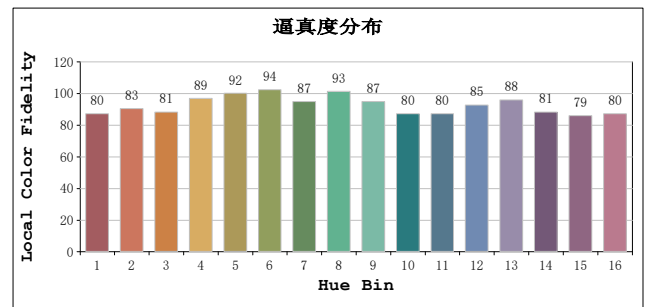
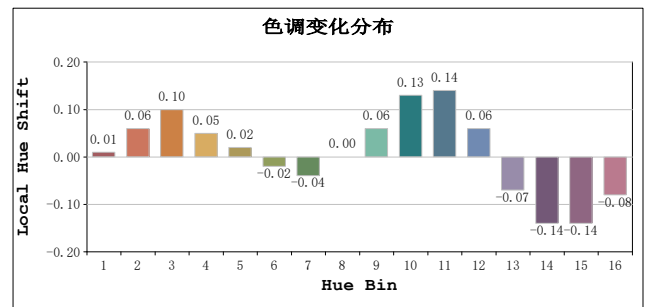
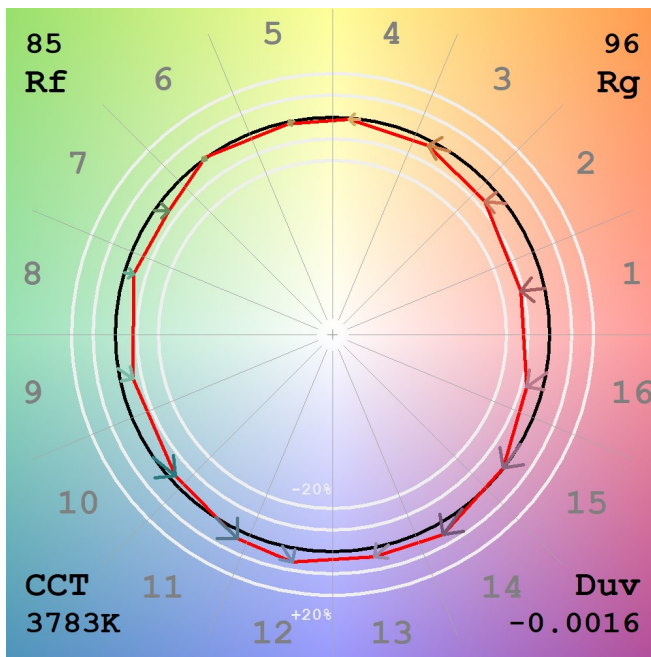
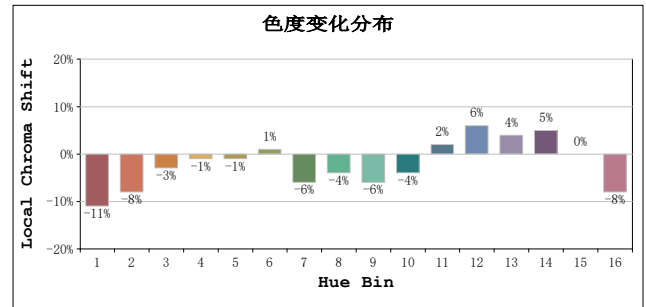
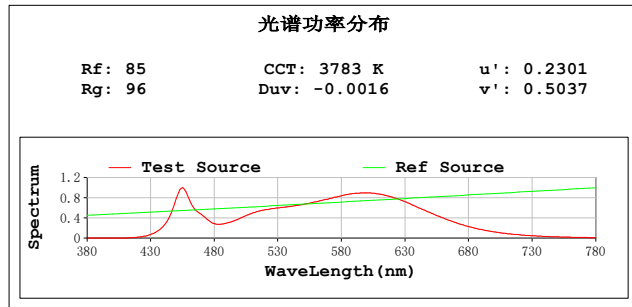
V = 120.17 V I = 0.6320 A P = 75.47 W PF = 0.9937  
LEVEL:OUT WHITE:ANSI\_5000K

Status: Integral T = 8 ms Ip = 45259 (69%)

Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:1  
Date:2025-01-14 15:25:51  
Humidity:55.0%  
Remarks:

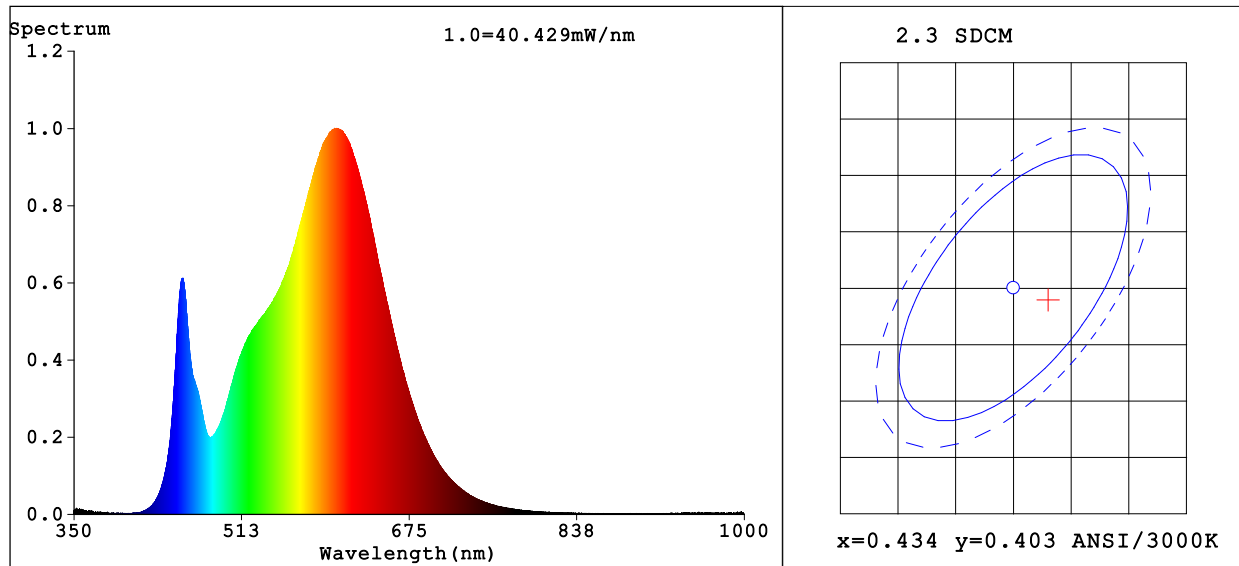
## TM30



Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:1  
Date:2025-01-14 15:25:51  
Humidity:55.0%  
Remarks:

## Spectrum Test Report



## Color Parameters:

Chromaticity Coordinate:  $x=0.4368$   $y=0.4019$   $u'=0.2514$   $v'=0.5205$   
CCT=2984K (Duv=-0.0008) Dominant WL:Ld =583.2nm WL:Lc = --nm Purity=51.8%  
Ratio:R=23.3% G=74.0% B=2.7% Peak WL:Lp=604.7nm FWHM=128.3nm  
Render Index:Ra=83.7 AvgR=78.5

R1 =83.0 R2 =93.1 R3 =95.1 R4 =81.2 R5 =83.2 R6 =91.8 R7 =82.2  
R8 =60.2 R9 =12.1 R10=84.1 R11=81.1 R12=71.5 R13=85.7 R14=98.2 R15=75.5

## Photo Parameters:

Flux = 1960 lm Eff. : 128.50 lm/W Fe = 6.019 W

## Electrical parameters:

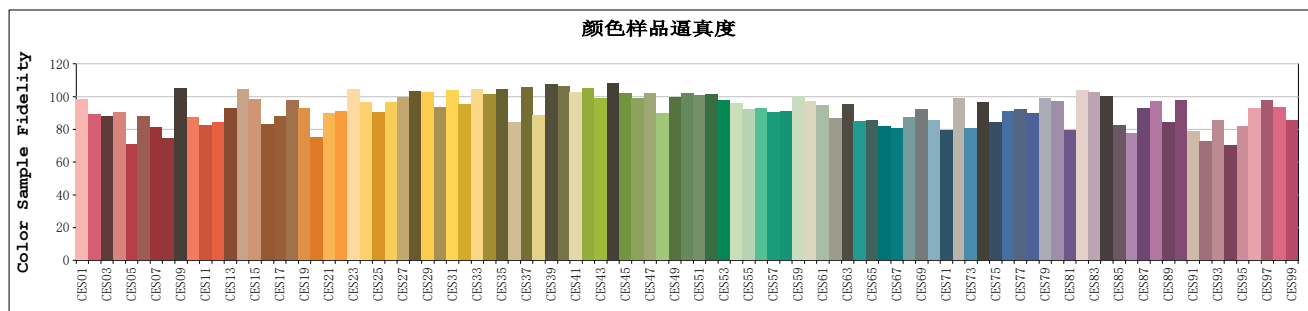
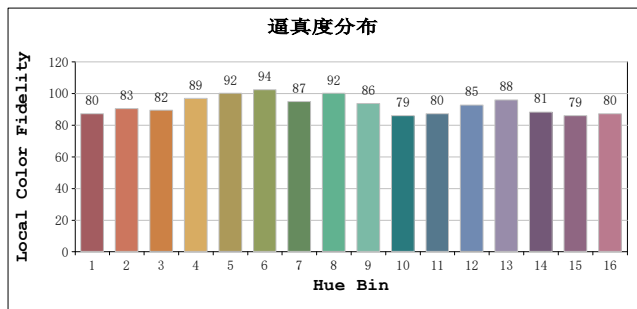
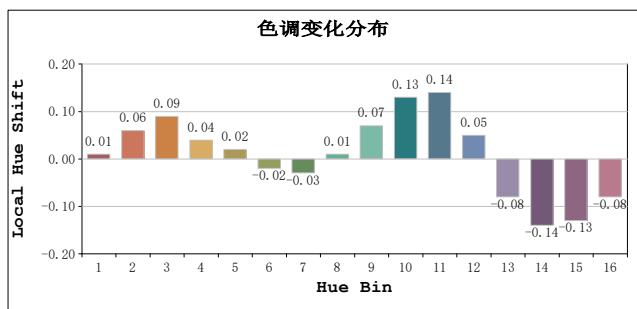
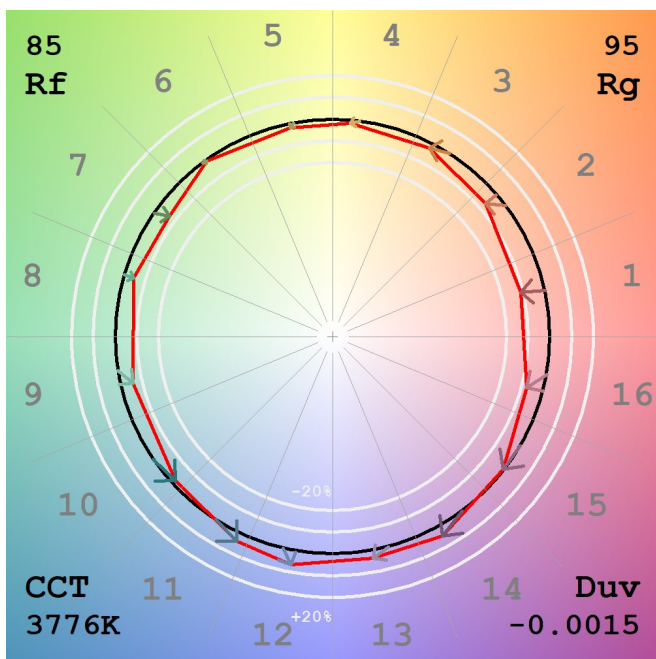
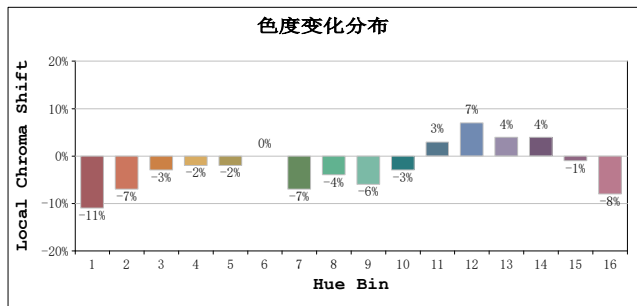
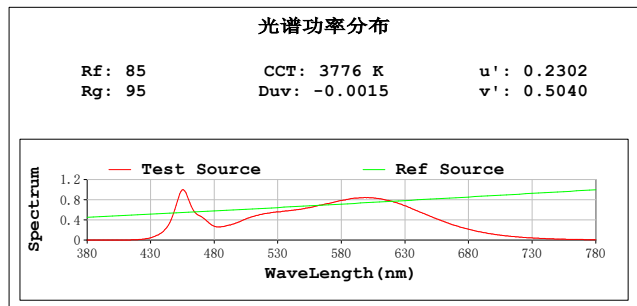
V = 120.28 V I = 0.1283 A P = 15.25 W PF = 0.9886  
LEVEL:OUT WHITE:ANSI\_3000K

Status: Integral T = 36 ms Ip = 54647 (83%)

Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:9  
Date:2025-01-14 15:42:21  
Humidity:55.0%  
Remarks:

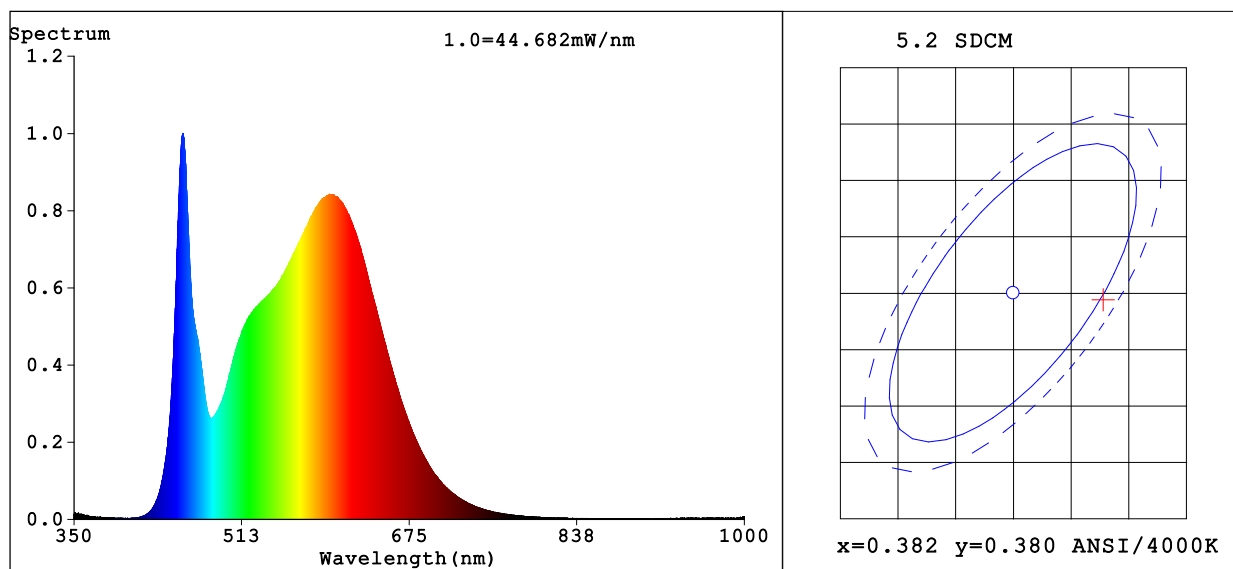
## TM30



Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:9  
Date:2025-01-14 15:42:21  
Humidity:55.0%  
Remarks:

## Spectrum Test Report



## Color Parameters:

Chromaticity Coordinate:  $x=0.3896$   $y=0.3791$   $u'=0.2302$   $v'=0.5040$   
CCT=3776K (Duv=-0.0015) Dominant WL:Ld =580.6nm WL:Lc = --nm Purity=30.7%  
Ratio:R=19.7% G=76.4% B=3.9% Peak WL:Lp=455.6nm FWHM=20.0nm  
Render Index:Ra=85.9 AvgR=80.7

R1 =85.8 R2 =94.2 R3 =95.9 R4 =83.1 R5 =85.2 R6 =90.7 R7 =85.2  
R8 =67.4 R9 =22.7 R10=85.2 R11=82.9 R12=64.4 R13=88.5 R14=98.7 R15=80.1

## Photo Parameters:

Flux = 2096 lm Eff. : 141.28 lm/W Fe = 6.512 W

## Electrical parameters:

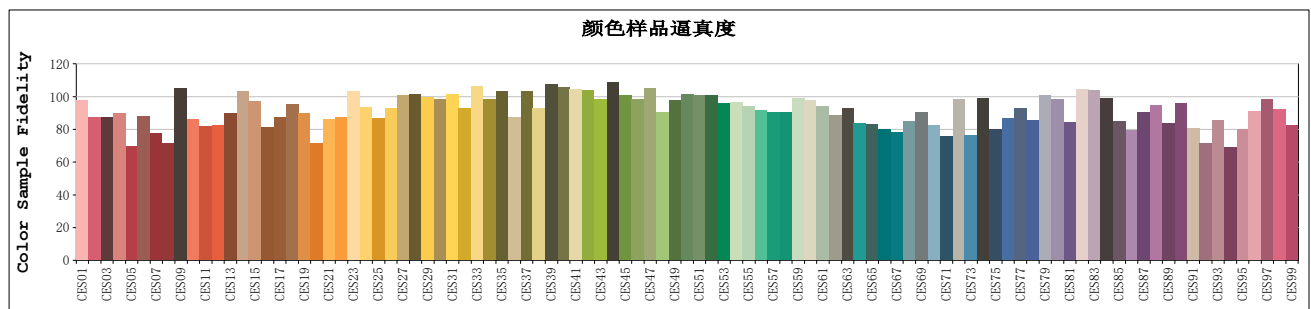
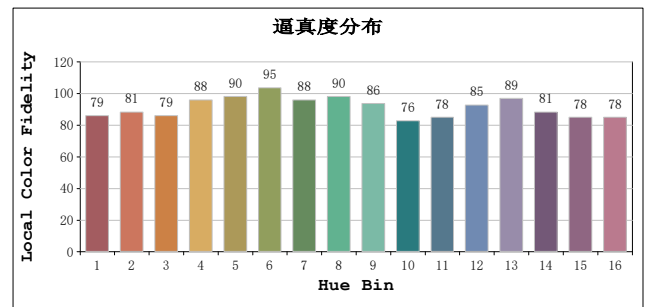
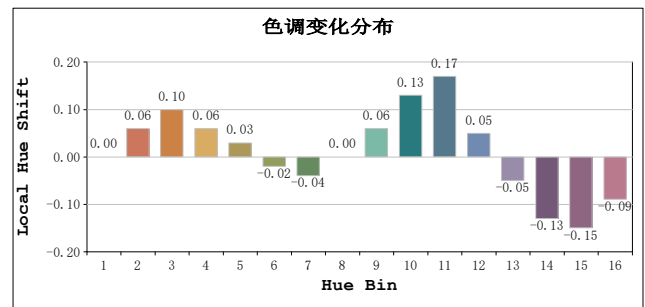
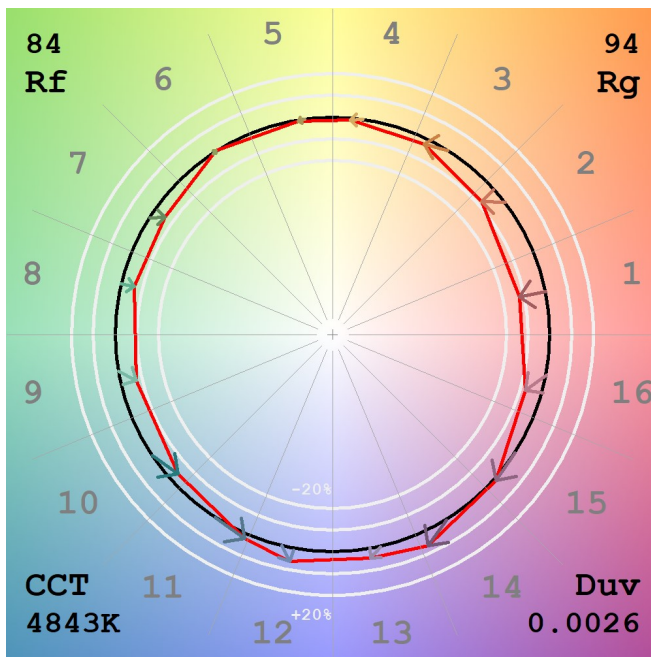
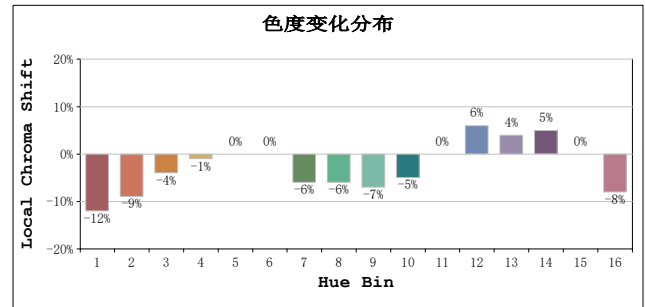
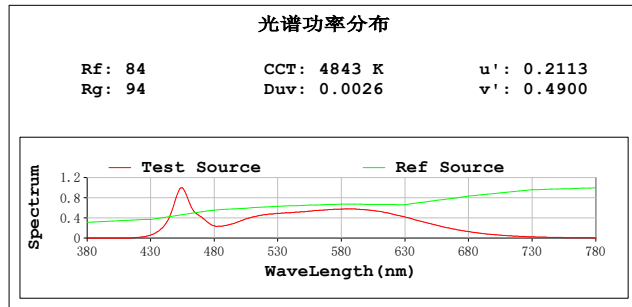
V = 120.26 V I = 0.1248 A P = 14.84 W PF = 0.9882  
LEVEL:OUT WHITE:ANSI\_4000K

Status: Integral T = 36 ms Ip = 50991 (78%)

Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:8  
Date:2025-01-14 15:41:24  
Humidity:55.0%  
Remarks:

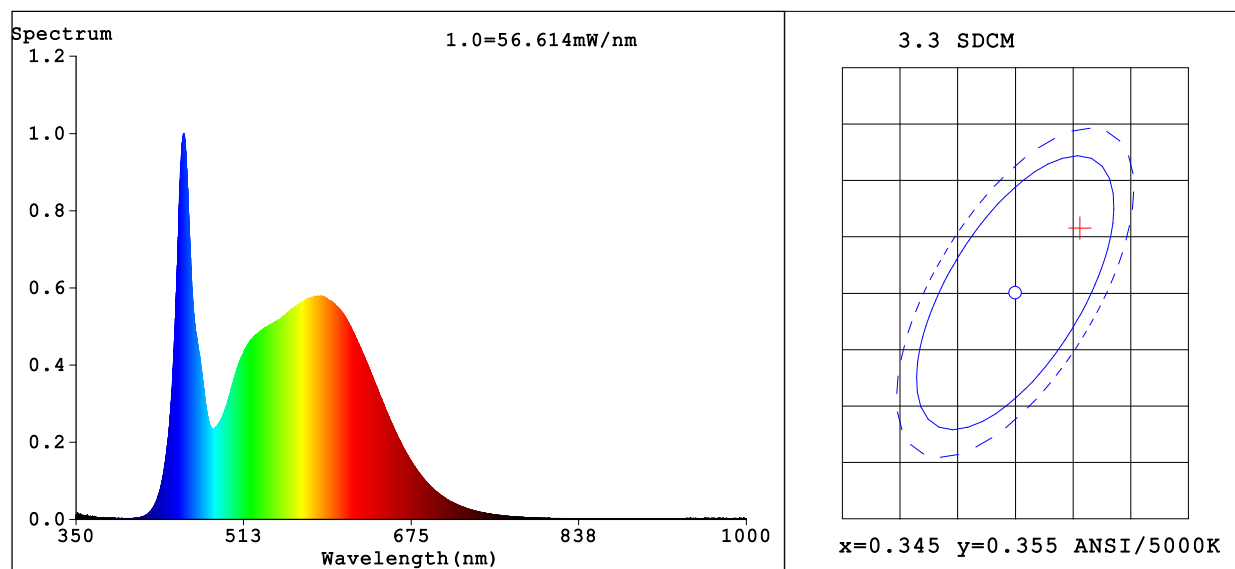
## TM30



Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:8  
Date:2025-01-14 15:41:24  
Humidity:55.0%  
Remarks:

## Spectrum Test Report



## Color Parameters:

Chromaticity Coordinate:  $x=0.3503$   $y=0.3611$   $u'=0.2113$   $v'=0.4900$   
CCT=4843K (Duv=0.0026) Dominant WL:Ld =572.2nm WL:Lc = --nm Purity=13.5%  
Ratio:R=16.2% G=79.2% B=4.7% Peak WL:Lp=454.3nm FWHM=19.5nm  
Render Index:Ra=84.2 AvgR=77.4

R1 =82.7 R2 =91.0 R3 =95.1 R4 =81.0 R5 =81.8 R6 =85.8 R7 =87.5  
R8 =68.4 R9 =15.1 R10=77.4 R11=80.1 R12=54.5 R13=85.3 R14=97.7 R15=77.3

## Photo Parameters:

Flux = 2057 lm Eff. : 134.89 lm/W Fe = 6.412 W

## Electrical parameters:

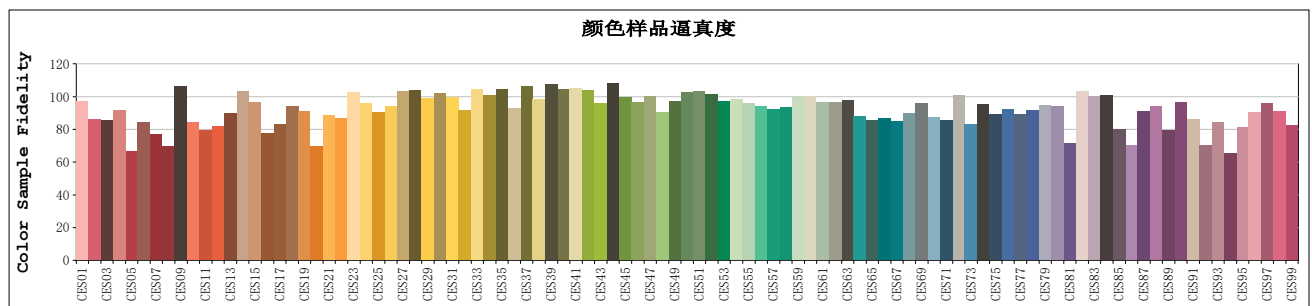
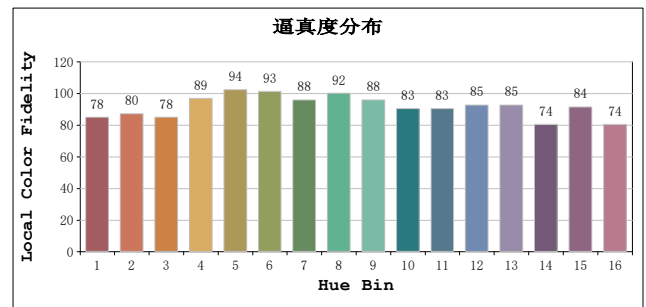
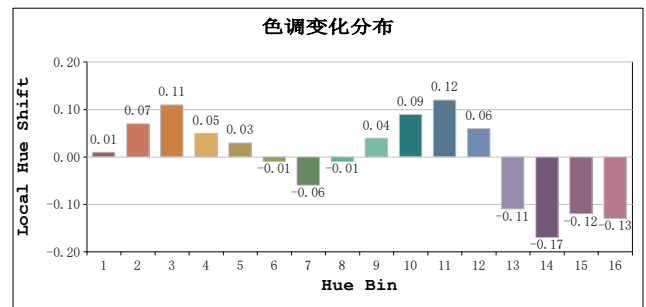
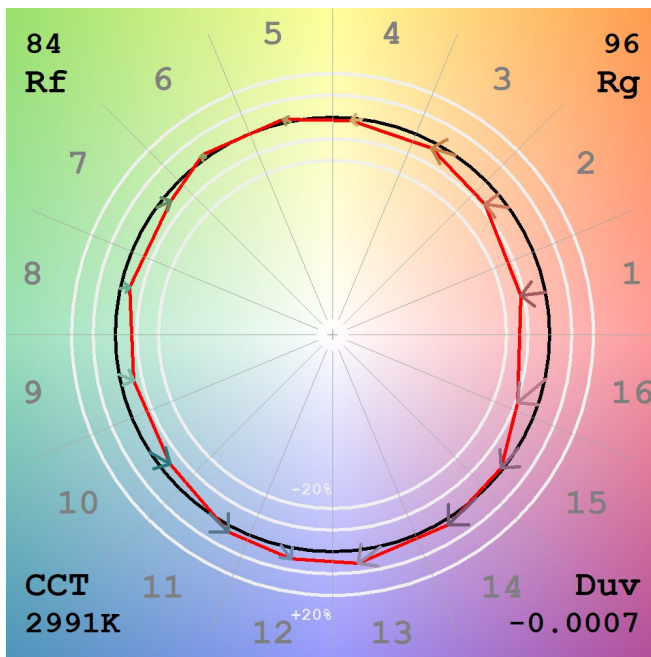
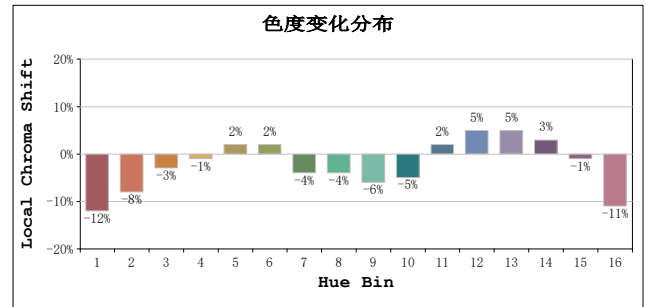
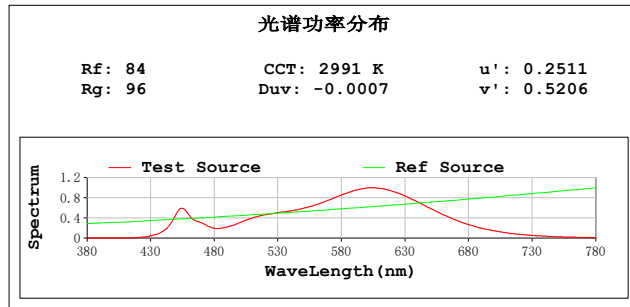
V = 120.27 V I = 0.1283 A P = 15.25 W PF = 0.9886  
LEVEL:OUT WHITE:ANSI\_5000K

Status: Integral T = 36 ms Ip = 50548 (77%)

Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:7  
Date:2025-01-14 15:40:50  
Humidity:55.0%  
Remarks:

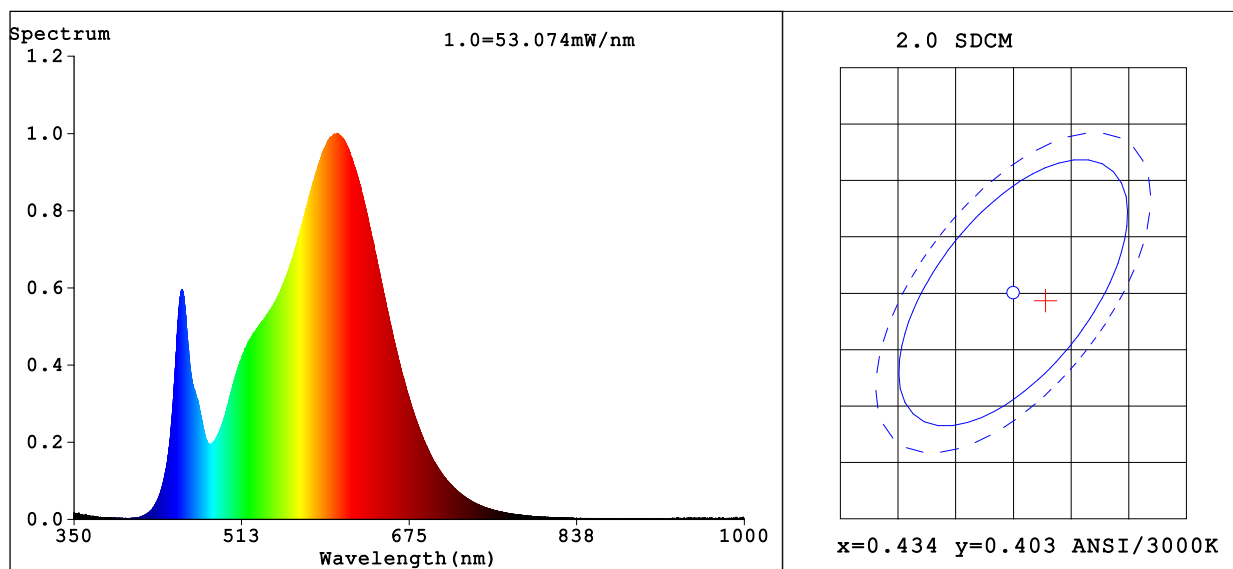
## TM30



Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:7  
Date:2025-01-14 15:40:50  
Humidity:55.0%  
Remarks:

## Spectrum Test Report



## Color Parameters:

Chromaticity Coordinate:  $x=0.4366$   $y=0.4023$   $u'=0.2511$   $v'=0.5206$   
CCT=2991K (Duv=-0.0007) Dominant WL:Ld =583.1nm WL:Lc = --nm Purity=51.8%  
Ratio:R=23.2% G=74.1% B=2.7% Peak WL:Lp=604.7nm FWHM=128.3nm  
Render Index:Ra=83.6 AvgR=78.3

R1 =82.7 R2 =92.7 R3 =95.5 R4 =81.3 R5 =82.9 R6 =91.3 R7 =82.4  
R8 =60.1 R9 =11.3 R10=83.1 R11=81.2 R12=71.2 R13=85.3 R14=98.5 R15=75.2

## Photo Parameters:

Flux = 2566 lm Eff. : 127.36 lm/W Fe = 7.870 W

## Electrical parameters:

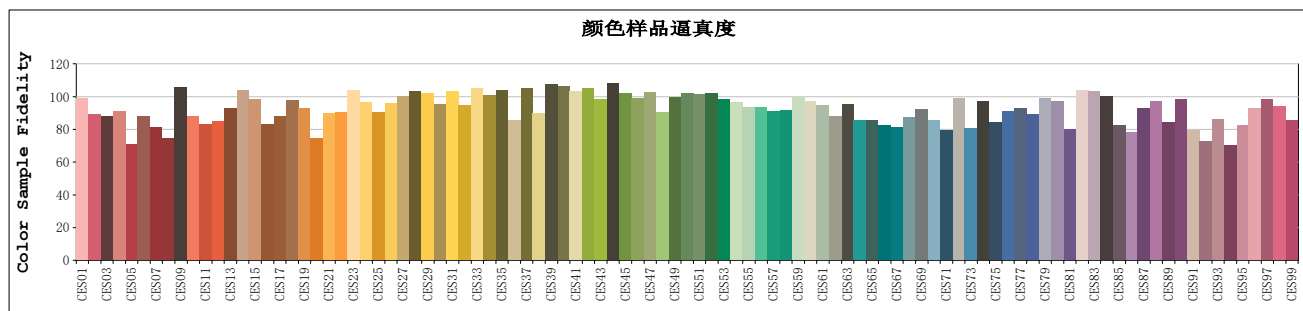
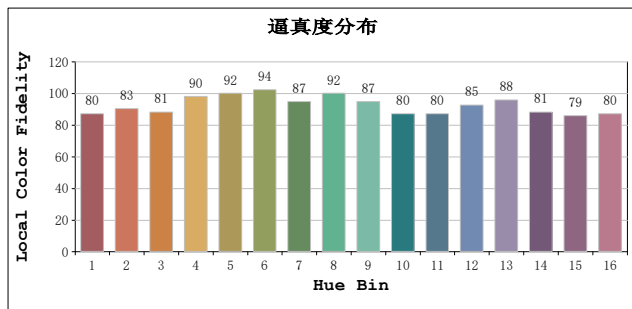
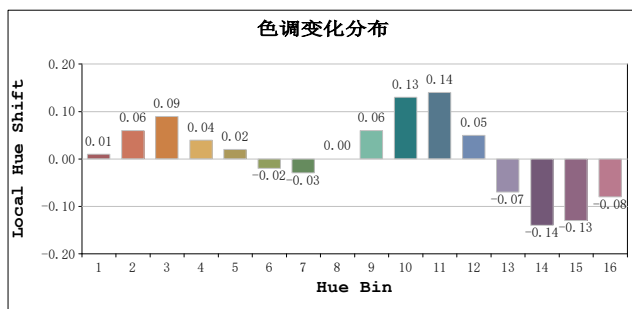
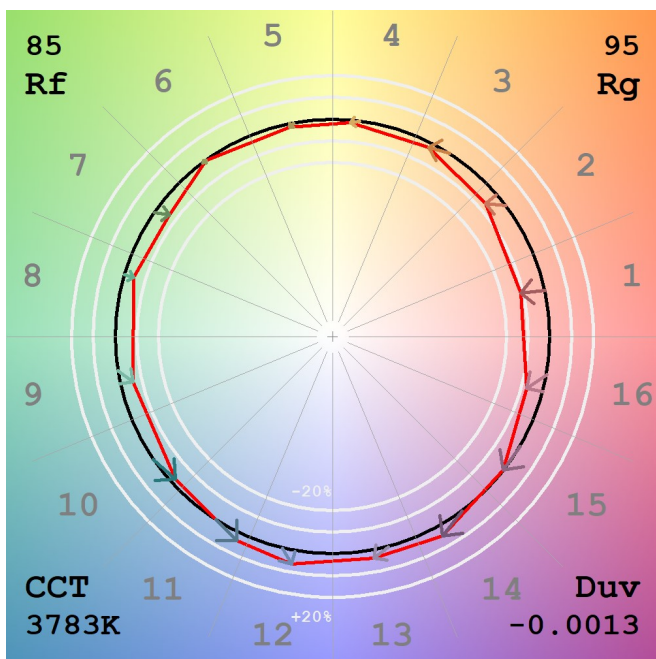
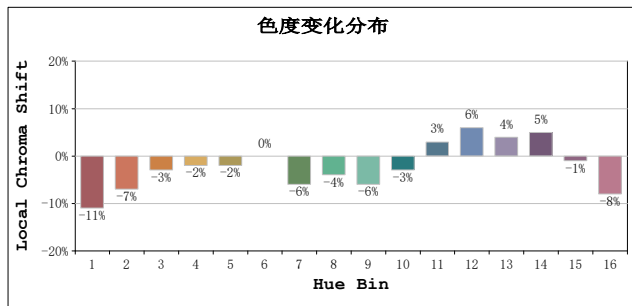
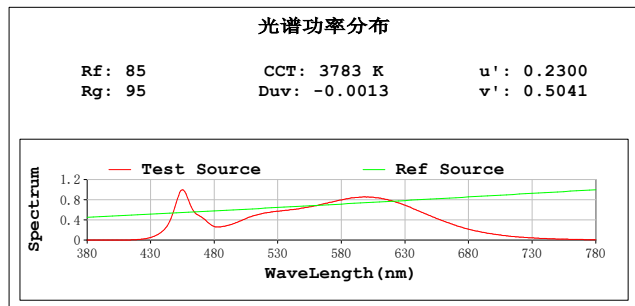
V = 120.25 V I = 0.1690 A P = 20.15 W PF = 0.9915  
LEVEL:OUT WHITE:ANSI\_3000K

Status: Integral T = 19 ms Ip = 37783 (58%)

Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:6  
Date:2025-01-14 15:40:19  
Humidity:55.0%  
Remarks:

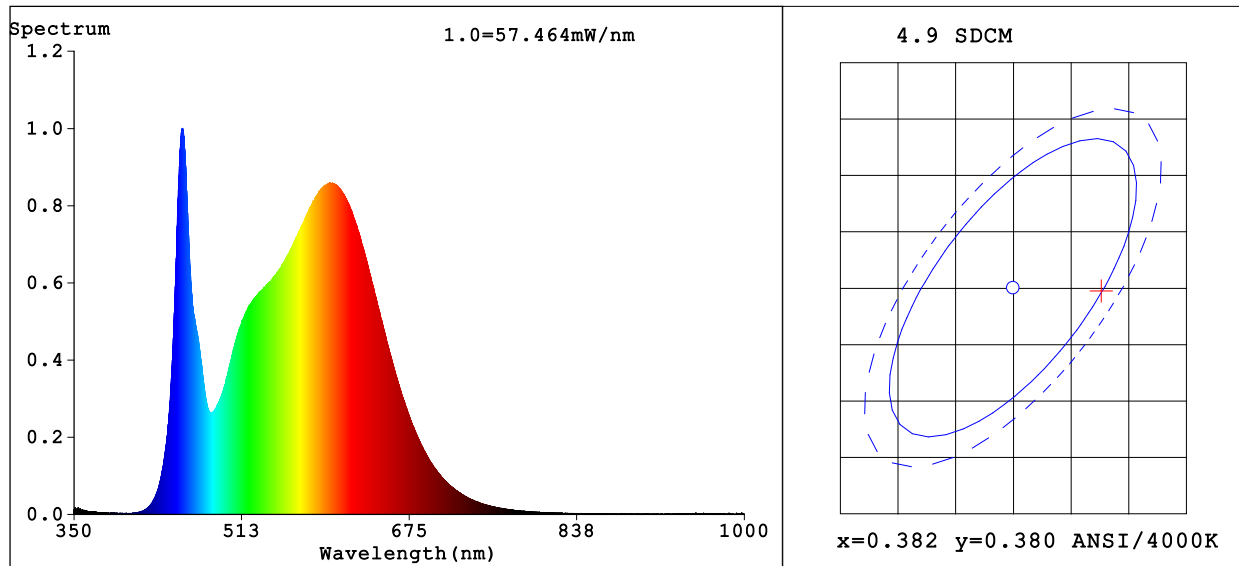
## TM30



Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:6  
Date:2025-01-14 15:40:19  
Humidity:55.0%  
Remarks:

## Spectrum Test Report



## Color Parameters:

Chromaticity Coordinate:  $x=0.3895$   $y=0.3794$   $u'=0.2300$   $v'=0.5041$   
CCT=3783K (Duv=-0.0013) Dominant WL:Ld =580.5nm WL:Lc = --nm Purity=30.8%  
Ratio:R=19.7% G=76.5% B=3.8% Peak WL:Lp=454.9nm FWHM=20.4nm  
Render Index:Ra=86.0 AvgR=80.6

R1 =85.7 R2 =93.8 R3 =96.2 R4 =83.4 R5 =85.1 R6 =90.3 R7 =85.6  
R8 =67.6 R9 =22.6 R10=84.3 R11=83.1 R12=64.3 R13=88.3 R14=98.8 R15=80.0

## Photo Parameters:

Flux = 2757 lm Eff. : 141.30 lm/W Fe = 8.542 W

## Electrical parameters:

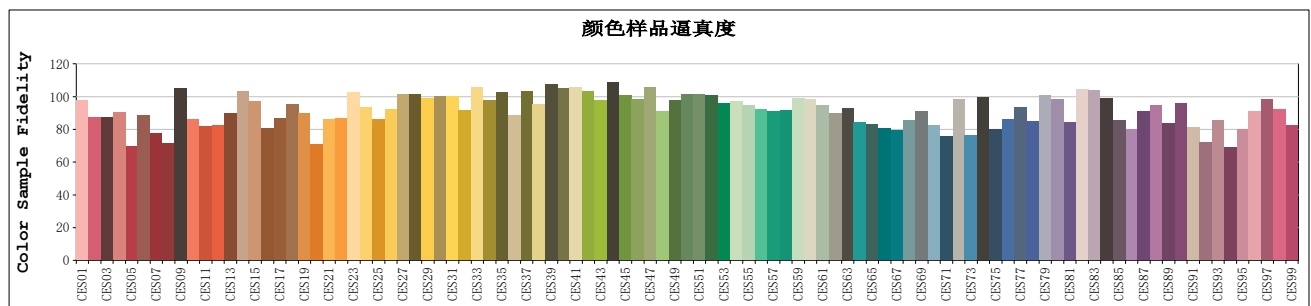
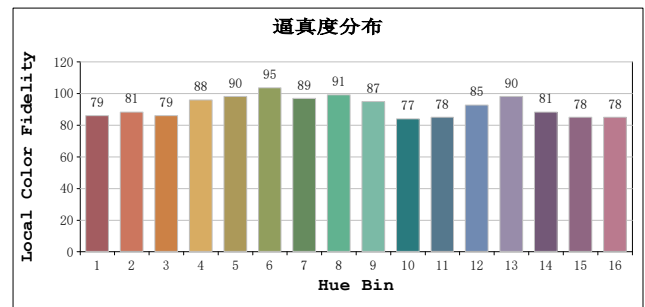
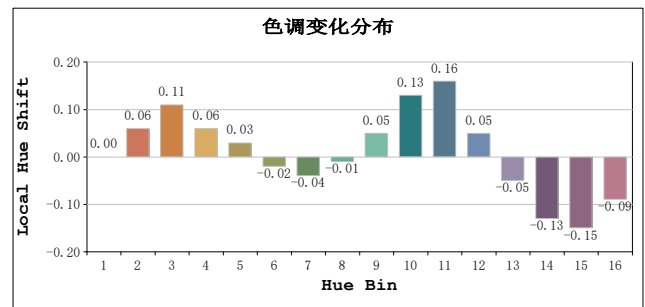
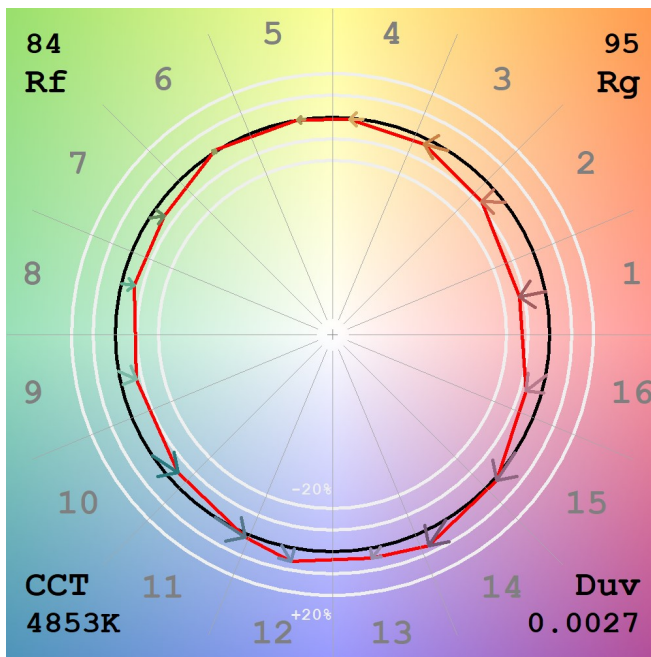
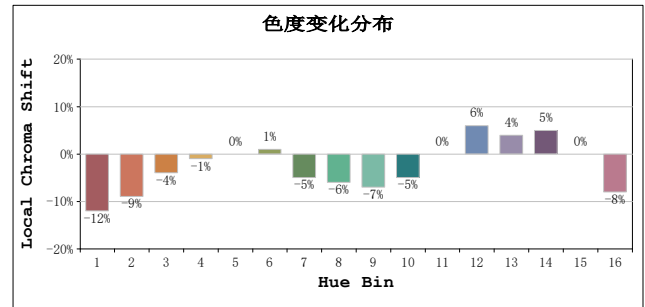
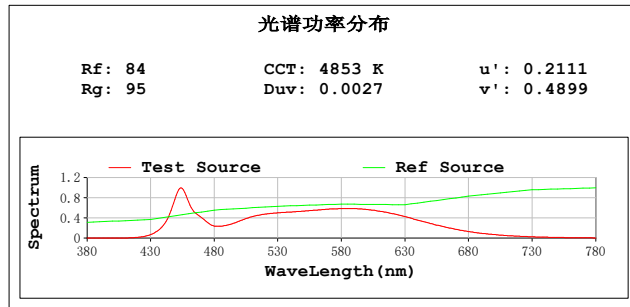
V = 120.25 V I = 0.1637 A P = 19.51 W PF = 0.9910  
LEVEL:OUT WHITE:ANSI\_4000K

Status: Integral T = 19 ms Ip = 35266 (54%)

Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:5  
Date:2025-01-14 15:39:01  
Humidity:55.0%  
Remarks:

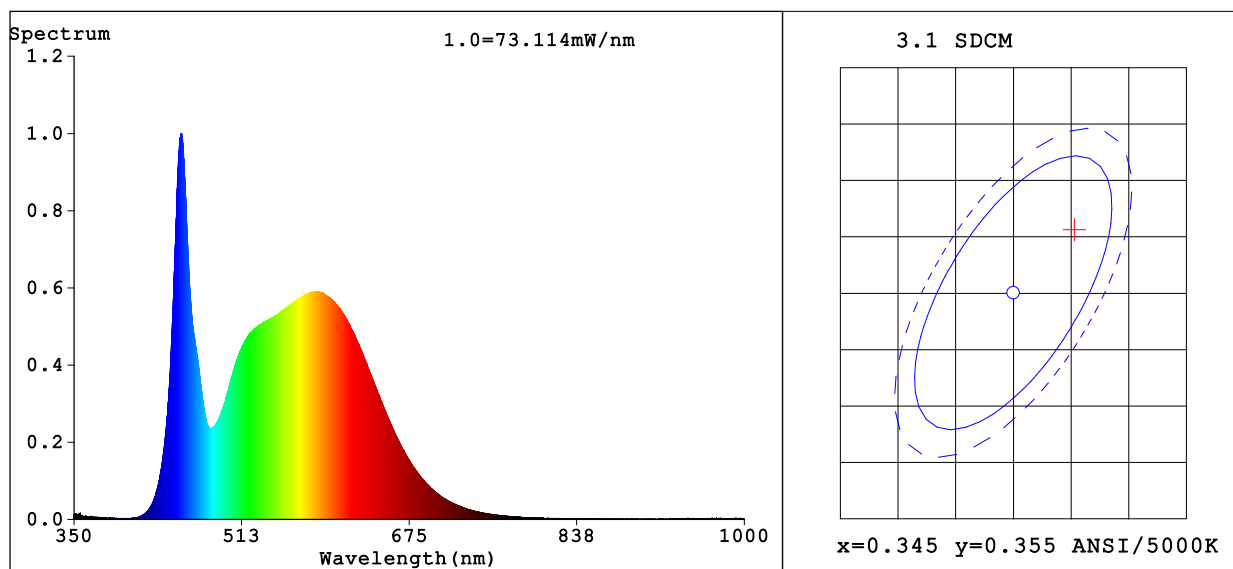
## TM30



Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:5  
Date:2025-01-14 15:39:01  
Humidity:55.0%  
Remarks:

## Spectrum Test Report



## Color Parameters:

Chromaticity Coordinate:  $x=0.3500$   $y=0.3609$   $u'=0.2111$   $v'=0.4899$   
CCT=4853K (Duv=0.0027) Dominant WL:Ld =572.1nm WL:Lc = --nm Purity=13.3%  
Ratio:R=16.1% G=79.3% B=4.6% Peak WL:Lp=454.2nm FWHM=20.0nm  
Render Index:Ra=84.1 AvgR=77.3

R1 =82.6 R2 =90.5 R3 =94.8 R4 =81.4 R5 =81.8 R6 =85.3 R7 =87.8  
R8 =68.7 R9 =15.0 R10=76.4 R11=80.5 R12=54.8 R13=85.0 R14=97.5 R15=77.2

## Photo Parameters:

Flux = 2713 lm Eff. : 134.53 lm/W Fe = 8.446 W

## Electrical parameters:

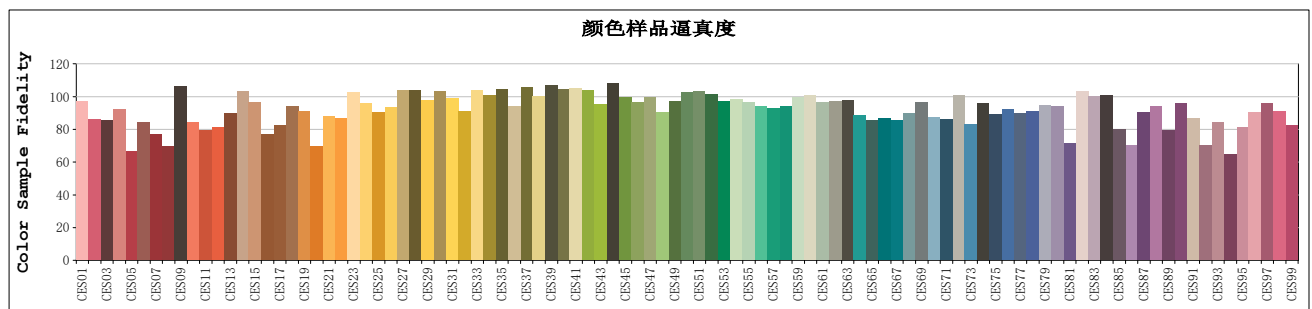
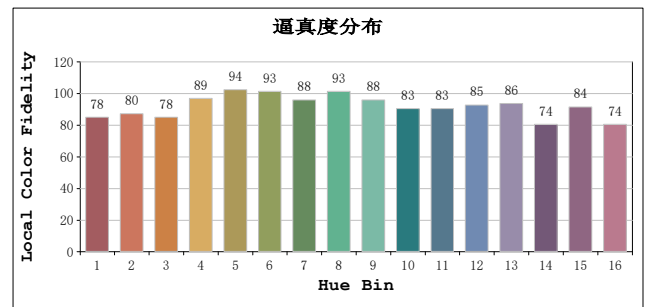
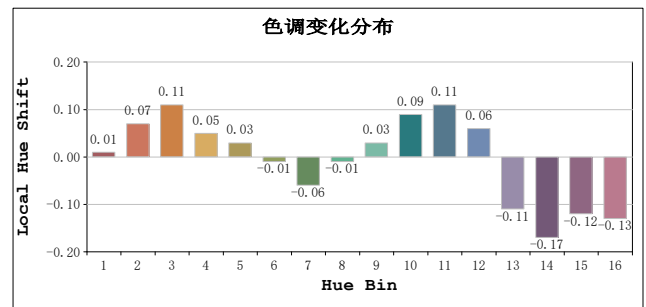
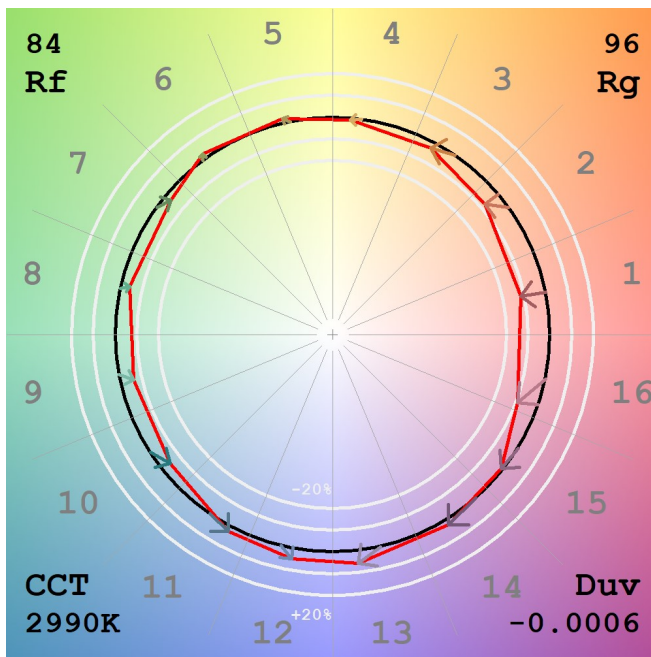
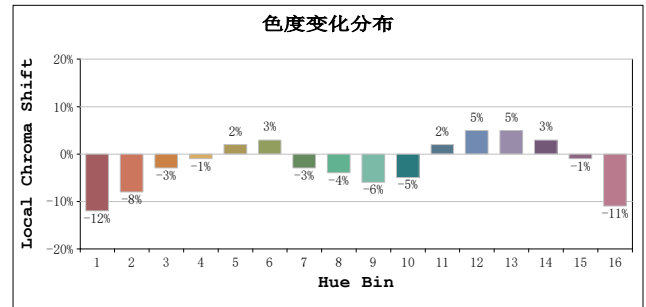
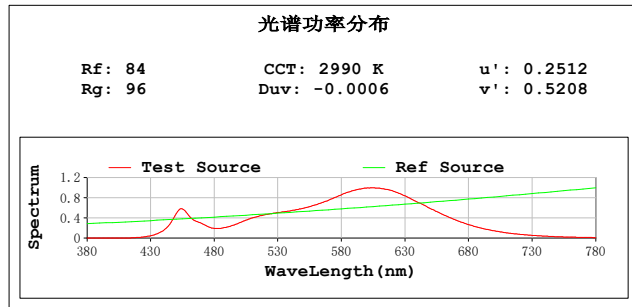
V = 120.24 V I = 0.1691 A P = 20.17 W PF = 0.9915  
LEVEL:OUT WHITE:ANSI\_5000K

Status: Integral T = 19 ms Ip = 34214 (52%)

Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:4  
Date:2025-01-14 15:38:34  
Humidity:55.0%  
Remarks:

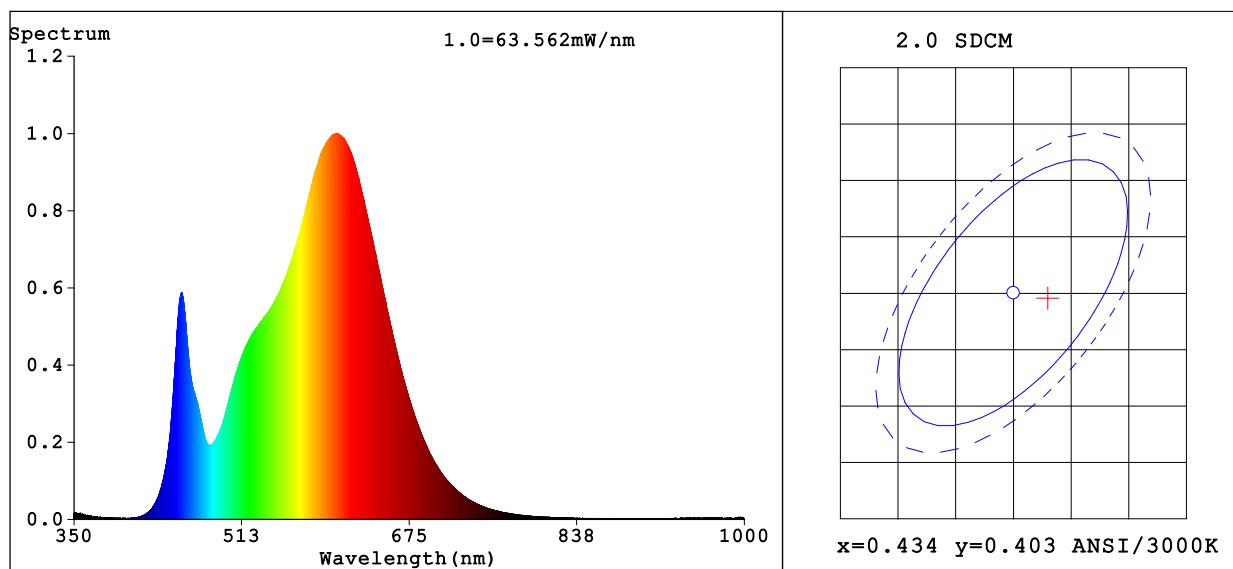
## TM30



Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:4  
Date:2025-01-14 15:38:34  
Humidity:55.0%  
Remarks:

## Spectrum Test Report



## Color Parameters:

Chromaticity Coordinate:  $x=0.4368$   $y=0.4025$   $u'=0.2512$   $v'=0.5208$   
CCT=2990K (Duv=-0.0006) Dominant WL:Ld =583.1nm WL:Lc = --nm Purity=51.9%  
Ratio:R=23.2% G=74.2% B=2.6% Peak WL:Lp=604.7nm FWHM=129.0nm  
Render Index:Ra=83.5 AvgR=78.1

R1 =82.5 R2 =92.4 R3 =95.7 R4 =81.3 R5 =82.7 R6 =91.0 R7 =82.5  
R8 =59.9 R9 =10.6 R10=82.5 R11=81.1 R12=71.2 R13=85.1 R14=98.5 R15=74.9

## Photo Parameters:

Flux = 3085 lm Eff. : 126.20 lm/W Fe = 9.456 W

## Electrical parameters:

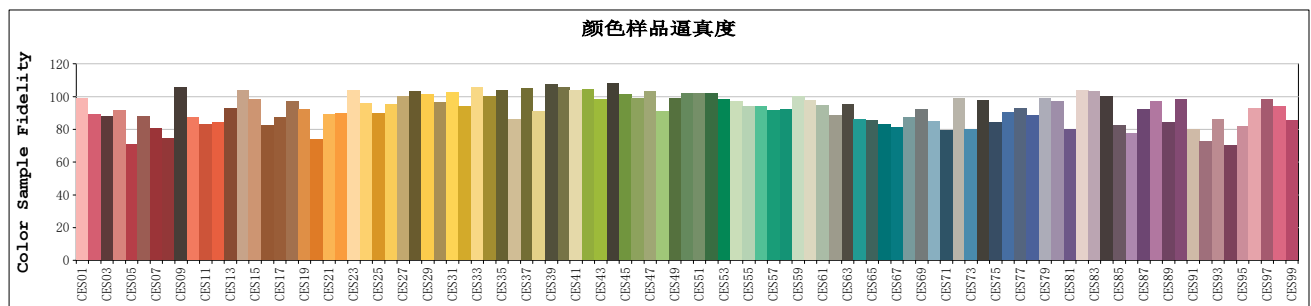
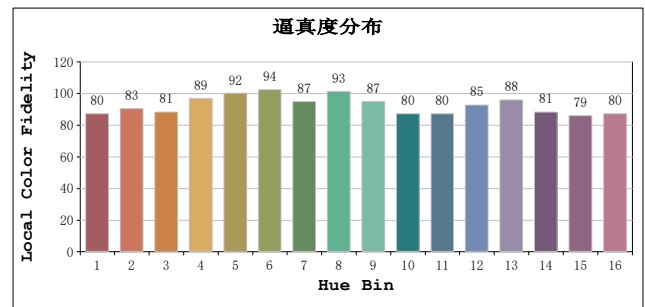
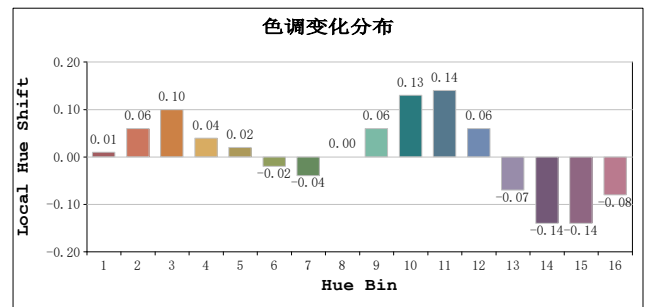
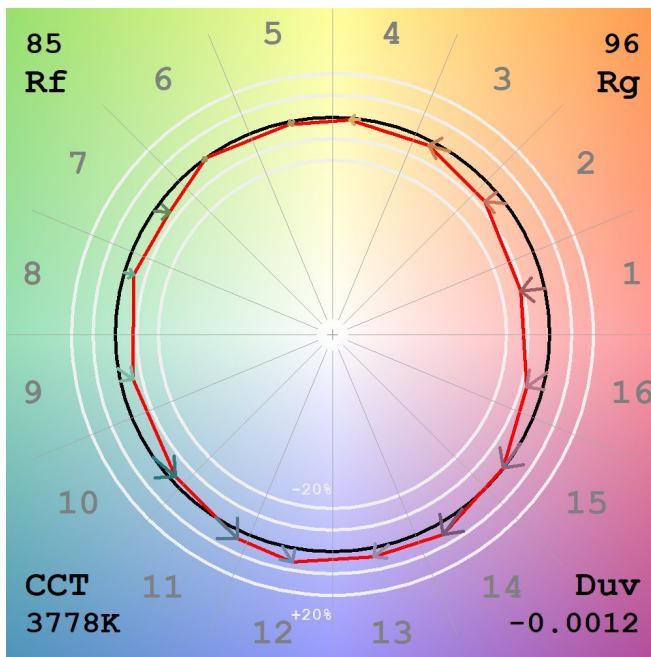
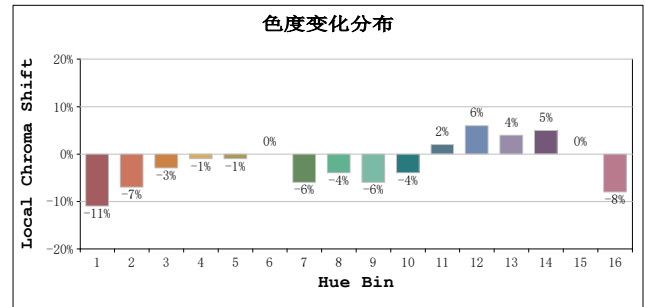
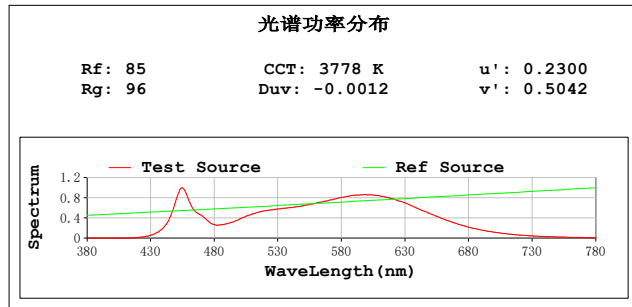
V = 120.24 V I = 0.2044 A P = 24.45 W PF = 0.9945  
LEVEL:OUT WHITE:ANSI\_3000K

Status: Integral T = 19 ms Ip = 45247 (69%)

Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:3  
Date:2025-01-14 15:37:59  
Humidity:55.0%  
Remarks:

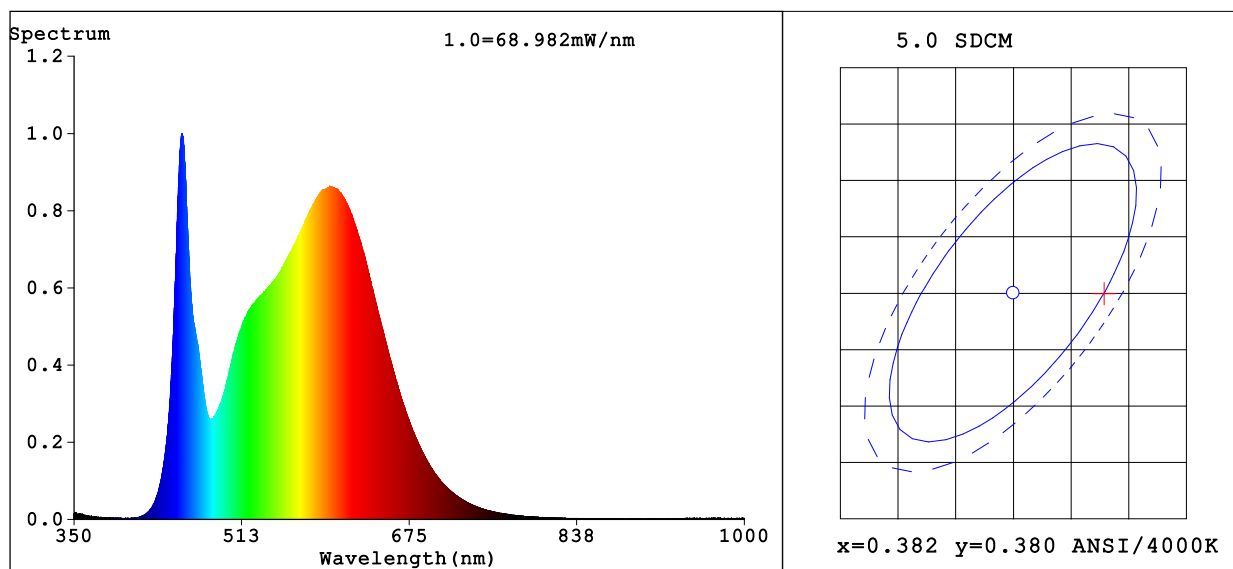
## TM30



Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:3  
Date:2025-01-14 15:37:59  
Humidity:55.0%  
Remarks:

## Spectrum Test Report



## Color Parameters:

Chromaticity Coordinate:  $x=0.3897$   $y=0.3796$   $u'=0.2300$   $v'=0.5042$   
CCT=3778K (Duv=-0.0012) Dominant WL:Ld =580.5nm WL:Lc = --nm Purity=30.9%  
Ratio:R=19.6% G=76.6% B=3.8% Peak WL:Lp=454.9nm FWHM=20.2nm  
Render Index:Ra=85.8 AvgR=80.3

R1 =85.4 R2 =93.5 R3 =96.2 R4 =83.3 R5 =84.8 R6 =89.9 R7 =85.7  
R8 =67.4 R9 =21.7 R10=83.5 R11=82.9 R12=64.2 R13=87.9 R14=98.8 R15=79.7

## Photo Parameters:

Flux = 3328 lm Eff. : 141.26 lm/W Fe = 10.30 W

## Electrical parameters:

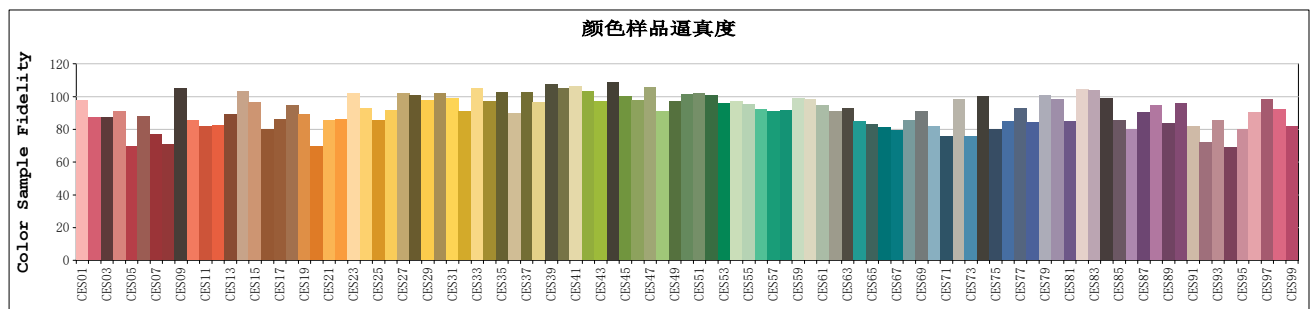
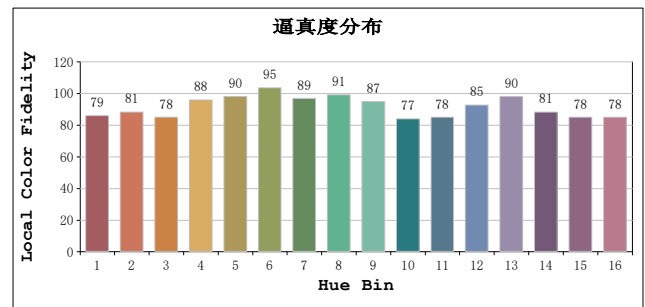
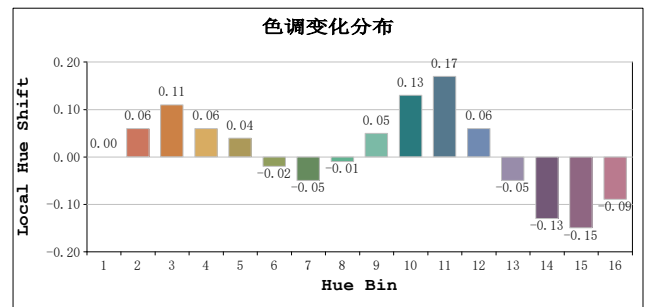
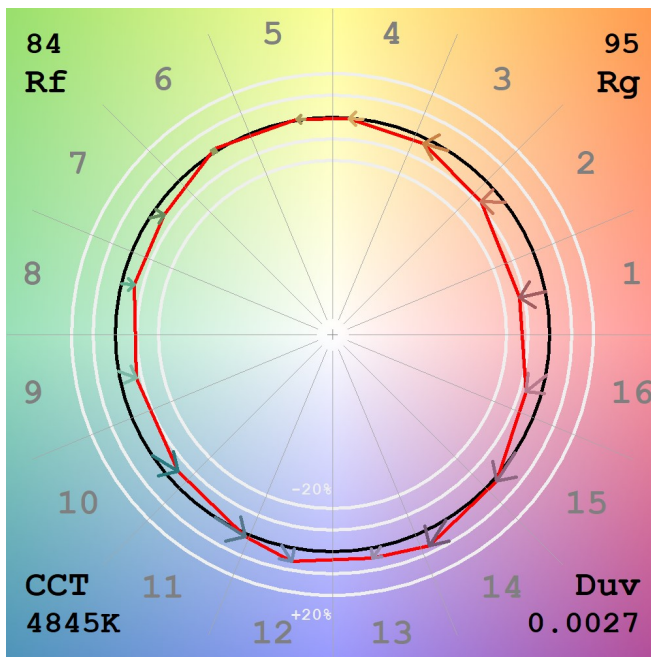
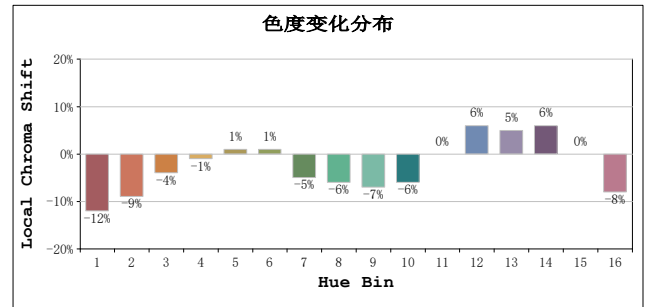
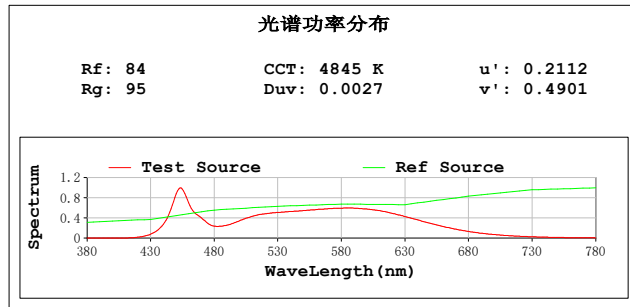
V = 120.23 V I = 0.1970 A P = 23.56 W PF = 0.9945  
LEVEL:OUT WHITE:ANSI\_4000K

Status: Integral T = 24 ms Ip = 53758 (82%)

Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:2  
Date:2025-01-14 15:37:22  
Humidity:55.0%  
Remarks:

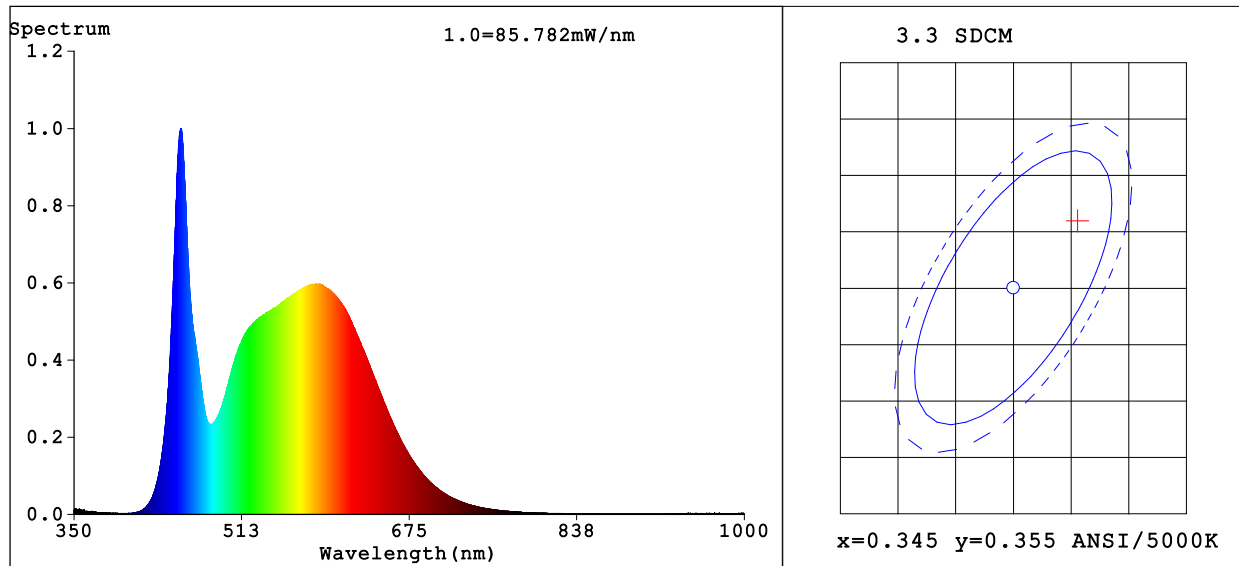
## TM30



Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:2  
Date:2025-01-14 15:37:22  
Humidity:55.0%  
Remarks:

## Spectrum Test Report



## Color Parameters:

Chromaticity Coordinate:  $x=0.3503$   $y=0.3613$   $u'=0.2112$   $v'=0.4901$   
CCT=4845K (Duv=0.0027) Dominant WL:Ld =572.1nm WL:Lc = --nm Purity=13.5%  
Ratio:R=16.1% G=79.4% B=4.5% Peak WL:Lp=453.6nm FWHM=20.1nm  
Render Index:Ra=83.8 AvgR=76.9

R1 =82.2 R2 =90.0 R3 =94.5 R4 =81.5 R5 =81.5 R6 =84.7 R7 =87.9  
R8 =68.5 R9 =13.7 R10=75.2 R11=80.3 R12=54.7 R13=84.5 R14=97.3 R15=76.8

## Photo Parameters:

Flux = 3222 lm Eff. : 131.62 lm/W Fe = 10.02 W

## Electrical parameters:

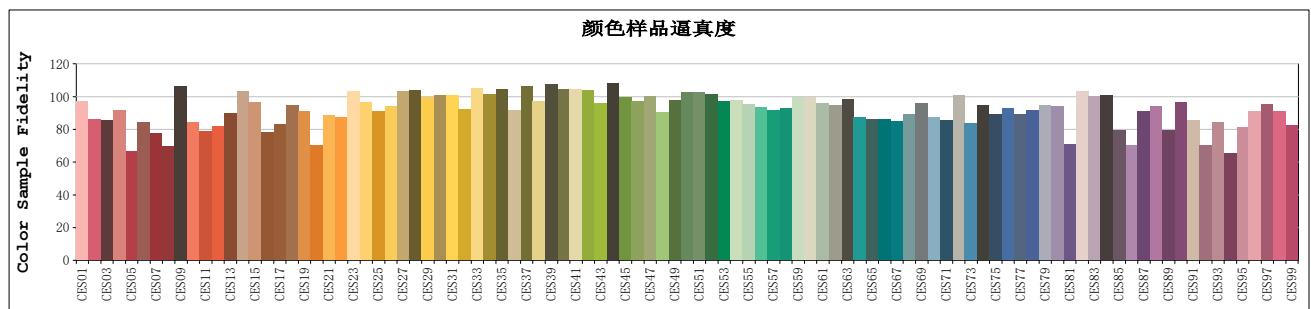
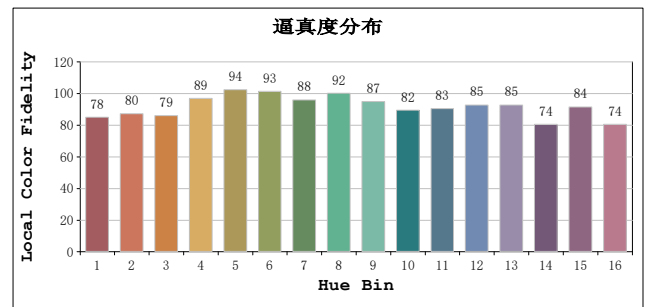
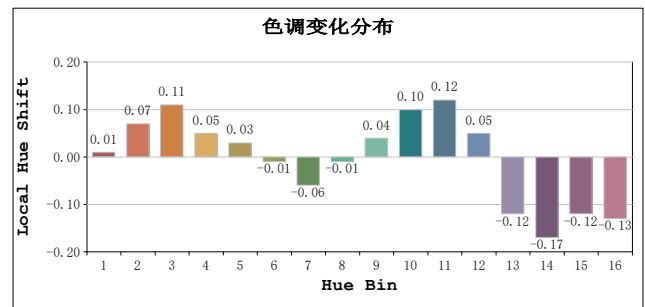
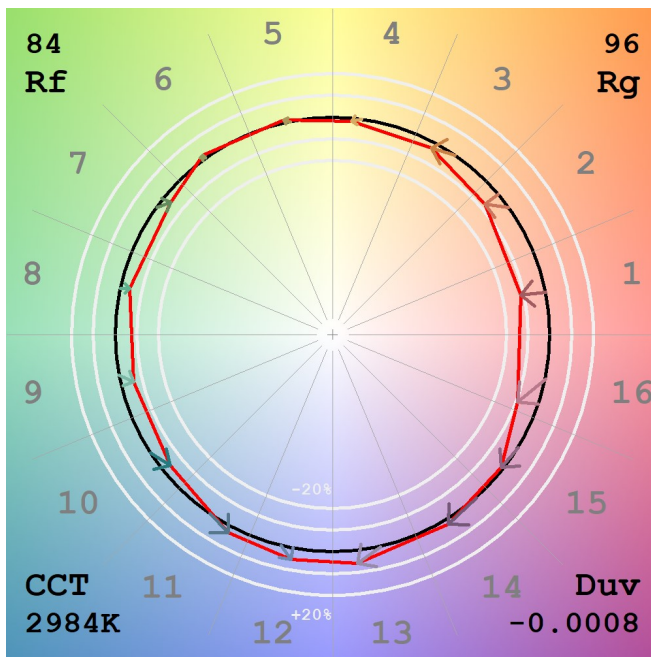
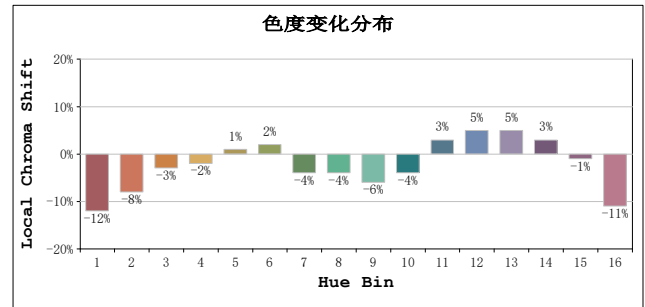
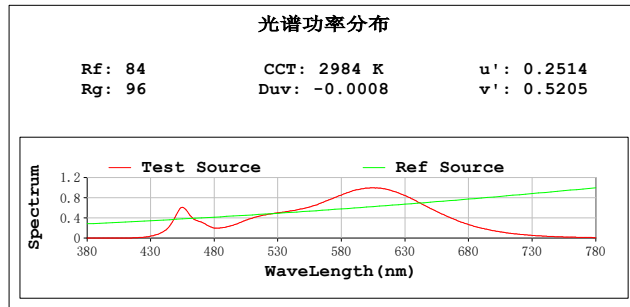
V = 120.25 V I = 0.2047 A P = 24.48 W PF = 0.9945  
LEVEL:OUT WHITE:ANSI\_5000K

Status: Integral T = 24 ms Ip = 50452 (77%)

Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:1  
Date:2025-01-14 15:36:34  
Humidity:55.0%  
Remarks:

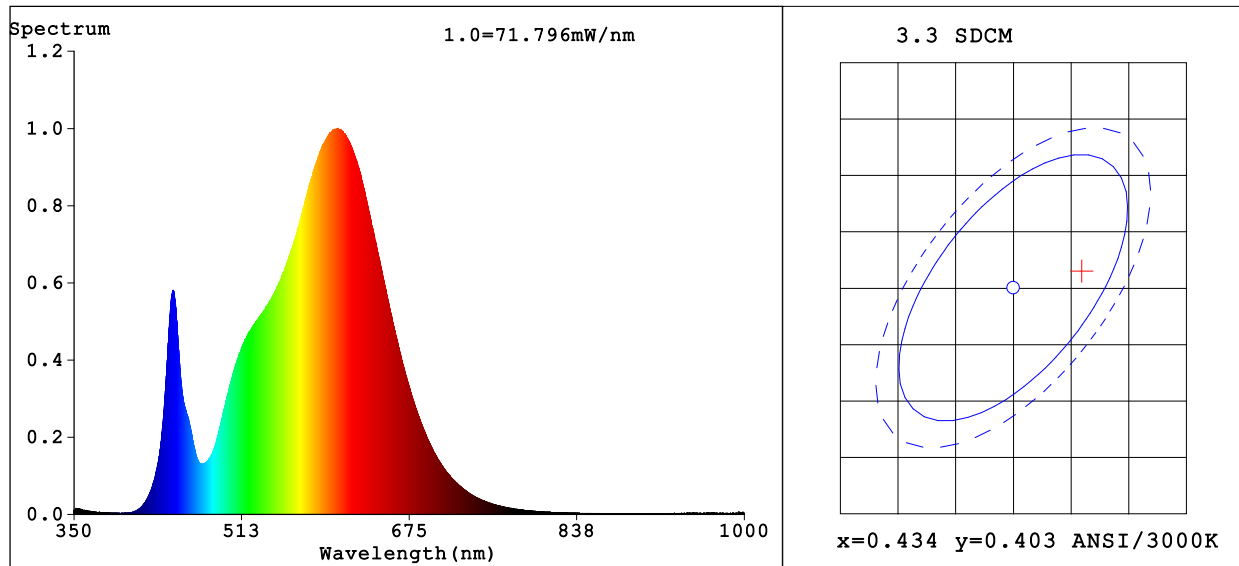
## TM30



Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:1  
Date:2025-01-14 15:36:34  
Humidity:55.0%  
Remarks:

## Spectrum Test Report



## Color Parameters:

Chromaticity Coordinate:  $x=0.4398$   $y=0.4045$   $u'=0.2522$   $v'=0.5220$   
CCT=2956K (Duv=-0.0002) Dominant WL:Ld =583.1nm WL:Lc = --nm Purity=53.4%  
Ratio:R=23.2% G=74.6% B=2.2% Peak WL:Lp=606.3nm FWHM=132.0nm  
Render Index:Ra=82.9 AvgR=77.3

R1 =81.2 R2 =89.6 R3 =96.8 R4 =82.3 R5 =81.4 R6 =87.5 R7 =83.8  
R8 =60.8 R9 =9.9 R10=76.7 R11=82.5 R12=72.5 R13=82.9 R14=98.4 R15=73.9

## Photo Parameters:

Flux = 3515 lm Eff. : 123.81 lm/W Fe = 10.80 W

## Electrical parameters:

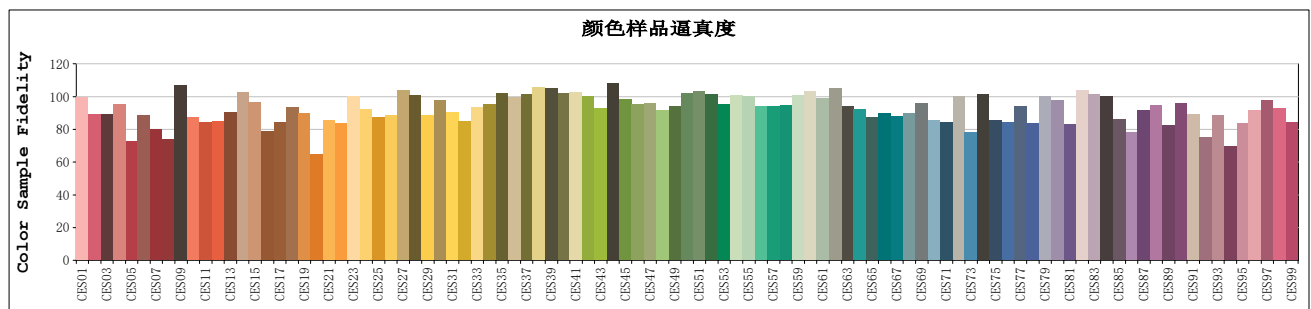
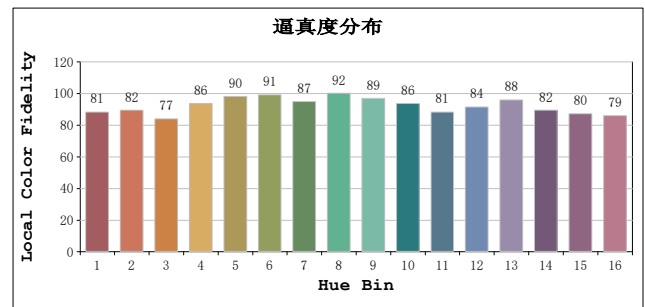
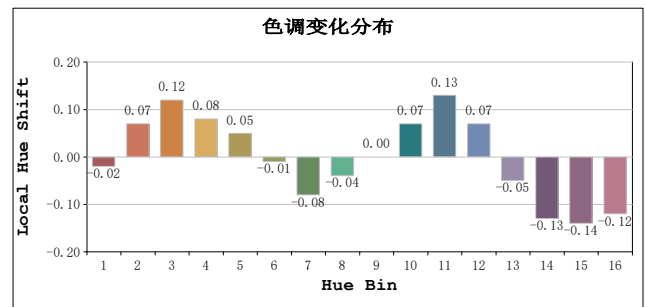
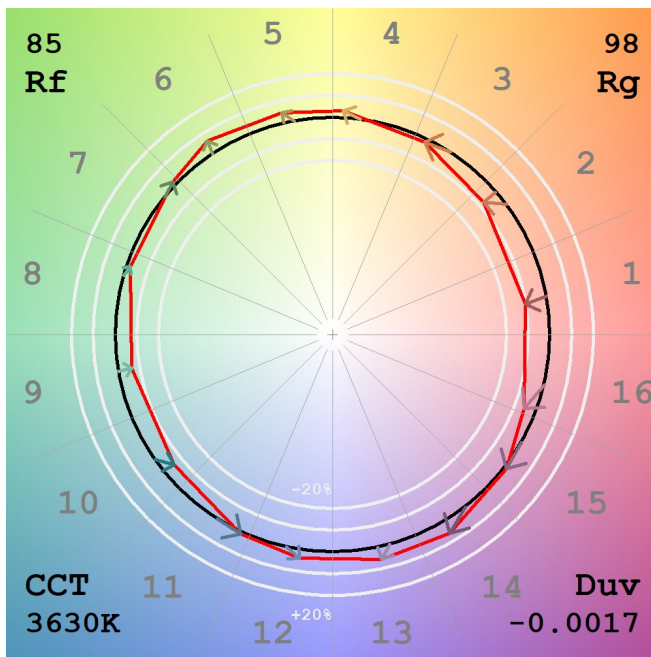
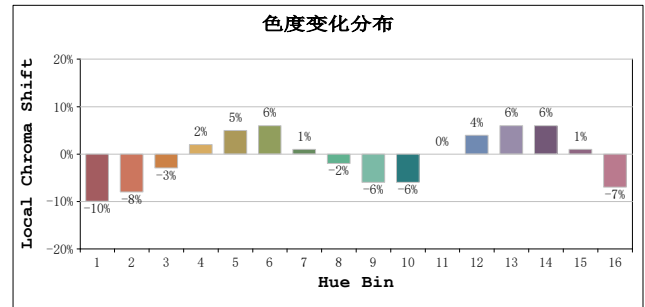
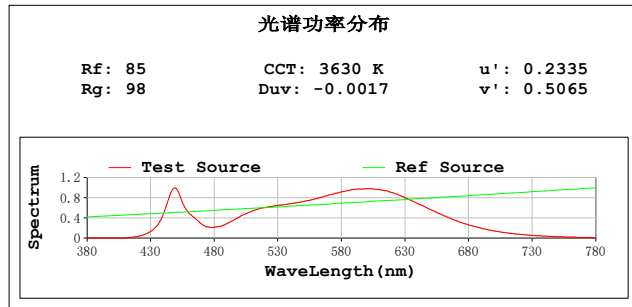
V = 120.24 V I = 0.2374 A P = 28.39 W PF = 0.9947  
LEVEL:OUT WHITE:ANSI\_3000K

Status: Integral T = 17 ms Ip = 47821 (73%)

Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:11  
Date:2025-01-14 14:54:28  
Humidity:55.0%  
Remarks:

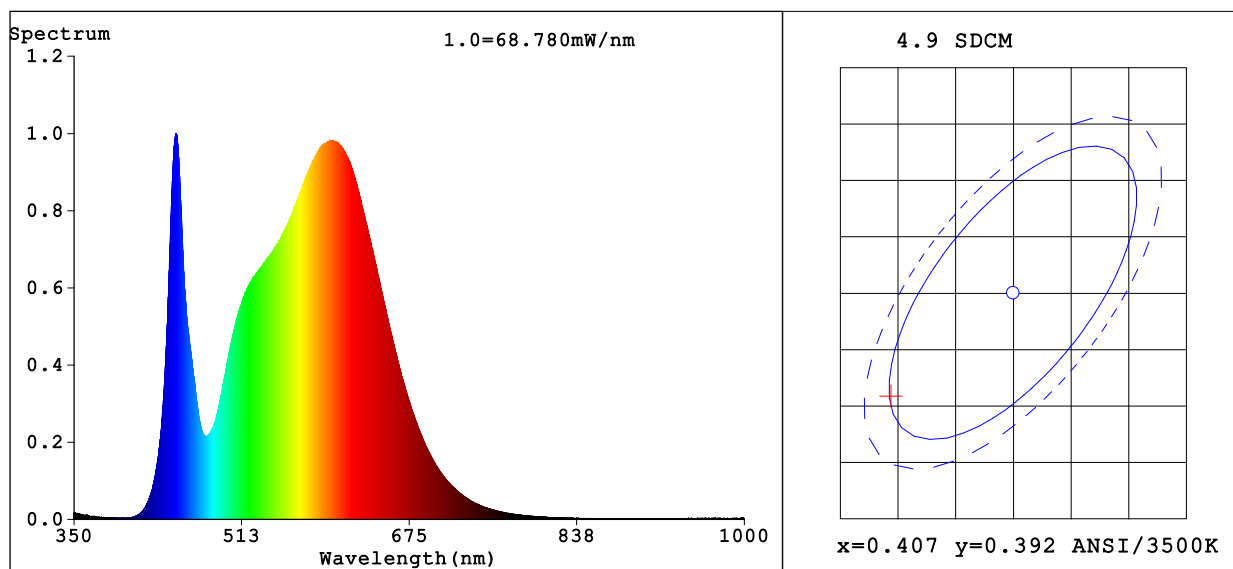
## TM30



Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:11  
Date:2025-01-14 14:54:28  
Humidity:55.0%  
Remarks:

## Spectrum Test Report



## Color Parameters:

Chromaticity Coordinate:  $x=0.3967$   $y=0.3825$   $u'=0.2335$   $v'=0.5065$   
CCT=3630K (Duv=-0.0017) Dominant WL:Ld =581.2nm WL:Lc = --nm Purity=33.9%  
Ratio:R=20.0% G=76.8% B=3.1% Peak WL:Lp=448.8nm FWHM=19.9nm  
Render Index:Ra=84.7 AvgR=79.0

R1 =83.7 R2 =90.1 R3 =95.0 R4 =84.5 R5 =83.9 R6 =86.7 R7 =86.3  
R8 =67.2 R9 =18.7 R10=76.8 R11=84.4 R12=67.3 R13=85.1 R14=97.2 R15=78.0

## Photo Parameters:

Flux = 3747 lm Eff. : 135.70 lm/W Fe = 11.59 W

## Electrical parameters:

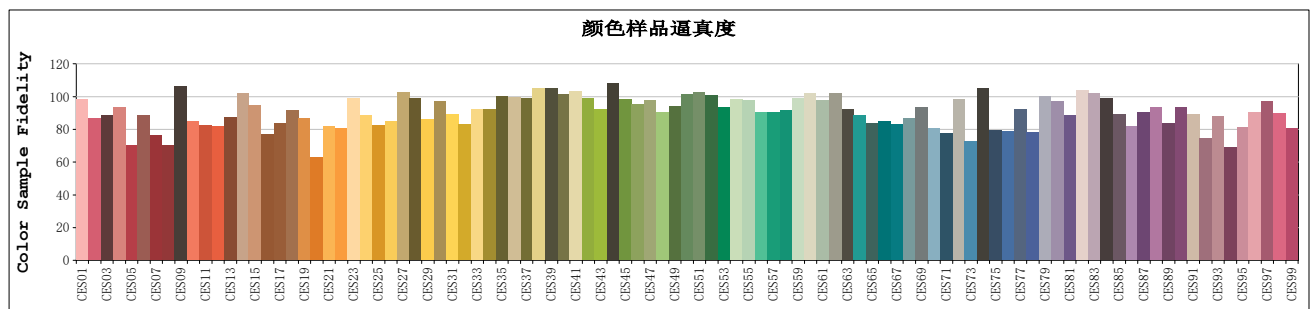
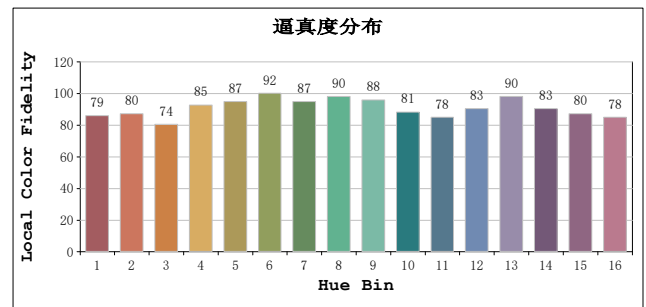
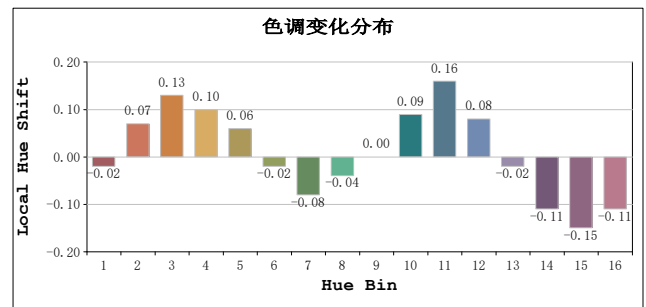
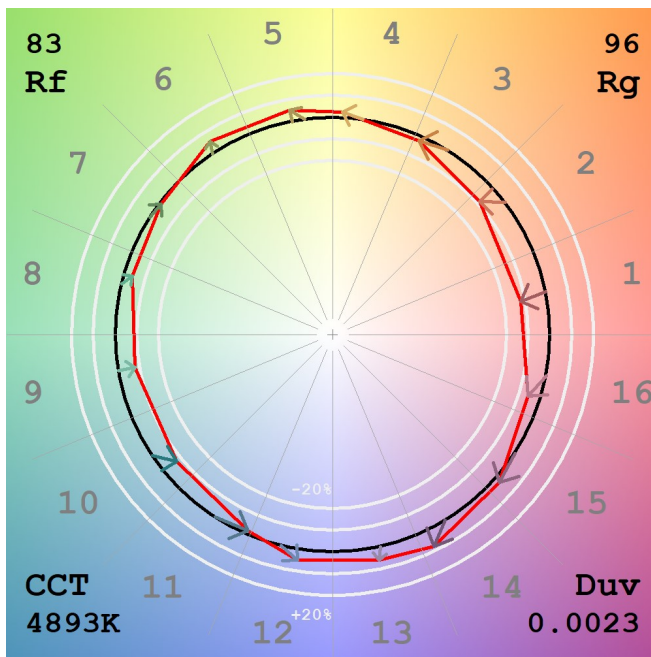
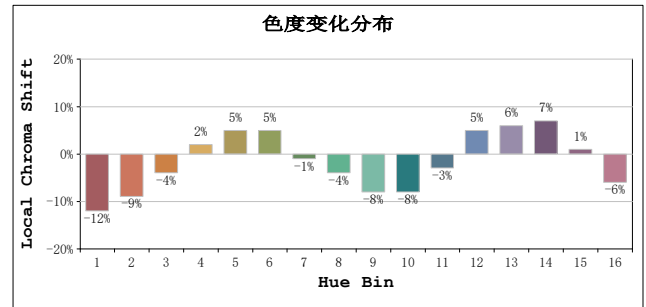
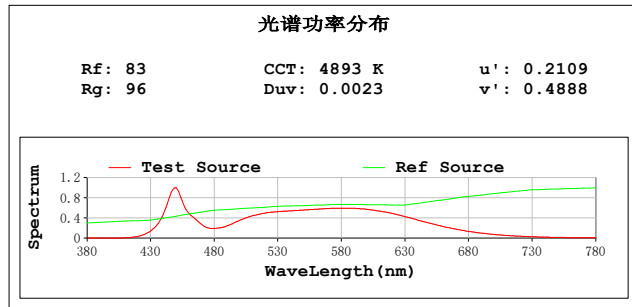
V = 120.24 V I = 0.2309 A P = 27.61 W PF = 0.9945  
LEVEL:OUT WHITE:ANSI\_3500K

Status: Integral T = 17 ms Ip = 45246 (69%)

Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:10  
Date:2025-01-14 14:53:59  
Humidity:55.0%  
Remarks:

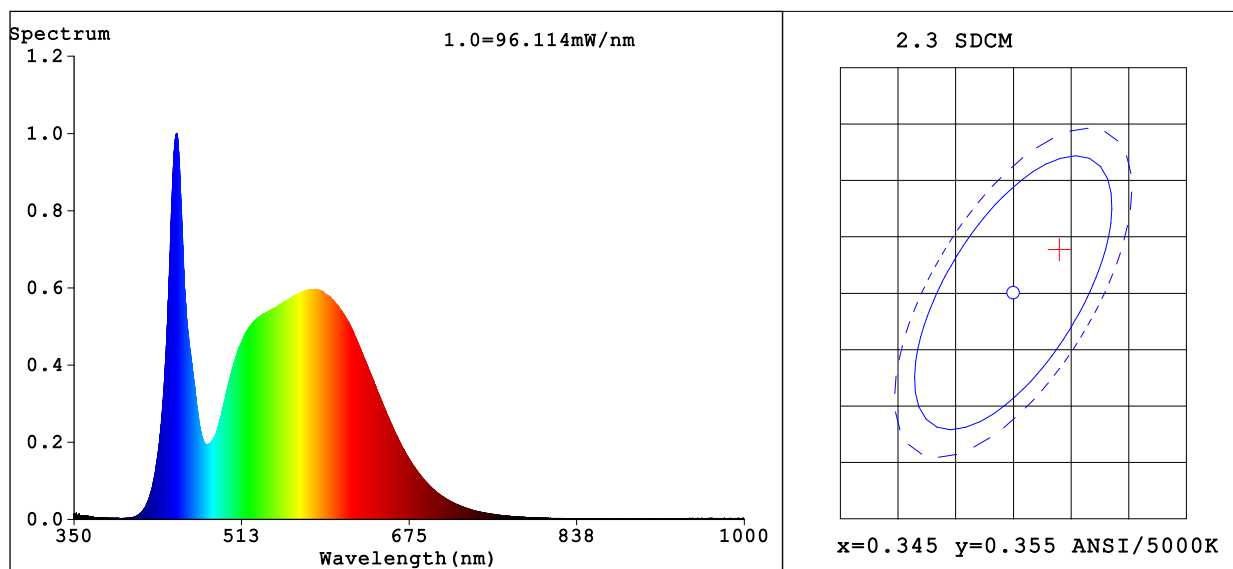
## TM30



Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:10  
Date:2025-01-14 14:53:59  
Humidity:55.0%  
Remarks:

## Spectrum Test Report



## Color Parameters:

Chromaticity Coordinate:  $x=0.3487$   $y=0.3592$   $u'=0.2109$   $v'=0.4888$   
CCT=4893K (Duv=0.0023) Dominant WL:Ld =571.9nm WL:Lc = --nm Purity=12.4%  
Ratio:R=15.9% G=80.0% B=4.1% Peak WL:Lp=449.5nm FWHM=19.6nm  
Render Index:Ra=82.6 AvgR=75.4

R1 =80.8 R2 =86.6 R3 =90.9 R4 =82.8 R5 =80.9 R6 =81.2 R7 =88.2  
R8 =69.2 R9 =11.2 R10=68.1 R11=81.7 R12=56.2 R13=82.1 R14=95.0 R15=75.8

## Photo Parameters:

Flux = 3632 lm Eff. : 124.99 lm/W Fe = 11.31 W

## Electrical parameters:

V = 120.24 V I = 0.2429 A P = 29.06 W PF = 0.9950  
LEVEL:OUT WHITE:ANSI\_5000K

Status: Integral T = 22 ms Ip = 51943 (79%)

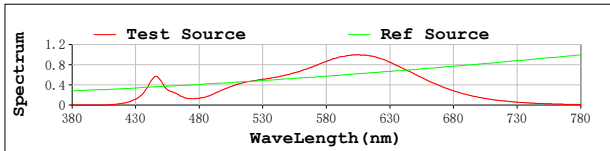
Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:9  
Date:2025-01-14 14:53:32  
Humidity:55.0%  
Remarks:

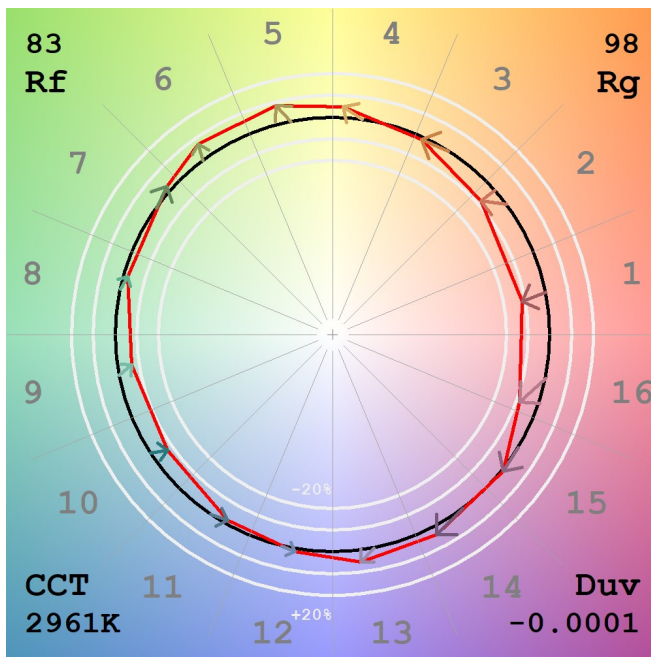
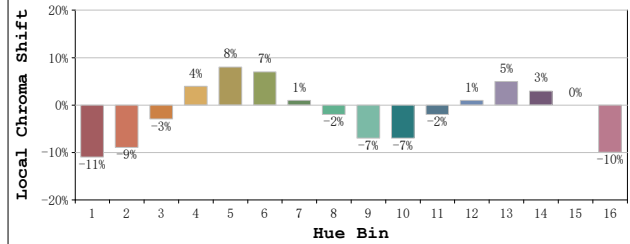
## TM30

光谱功率分布

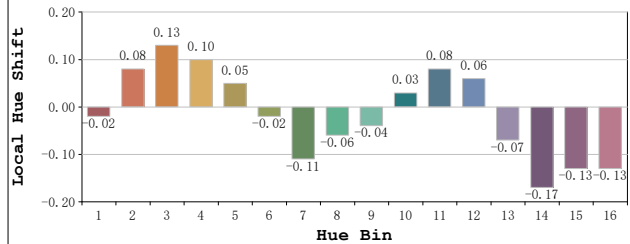
Rf: 83 CCT: 2961 K u': 0.2520  
Rg: 98 Duv: -0.0001 v': 0.5220



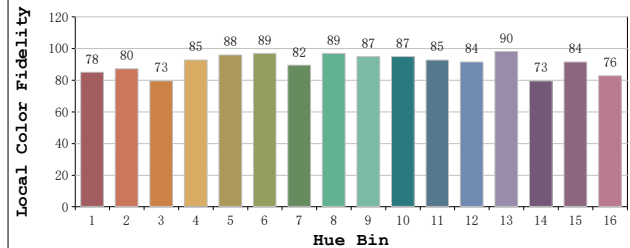
色度变化分布



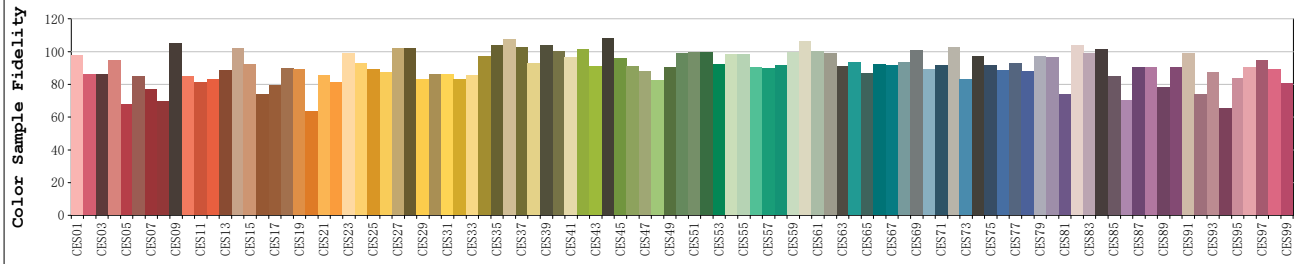
色调变化分布



逼真度分布



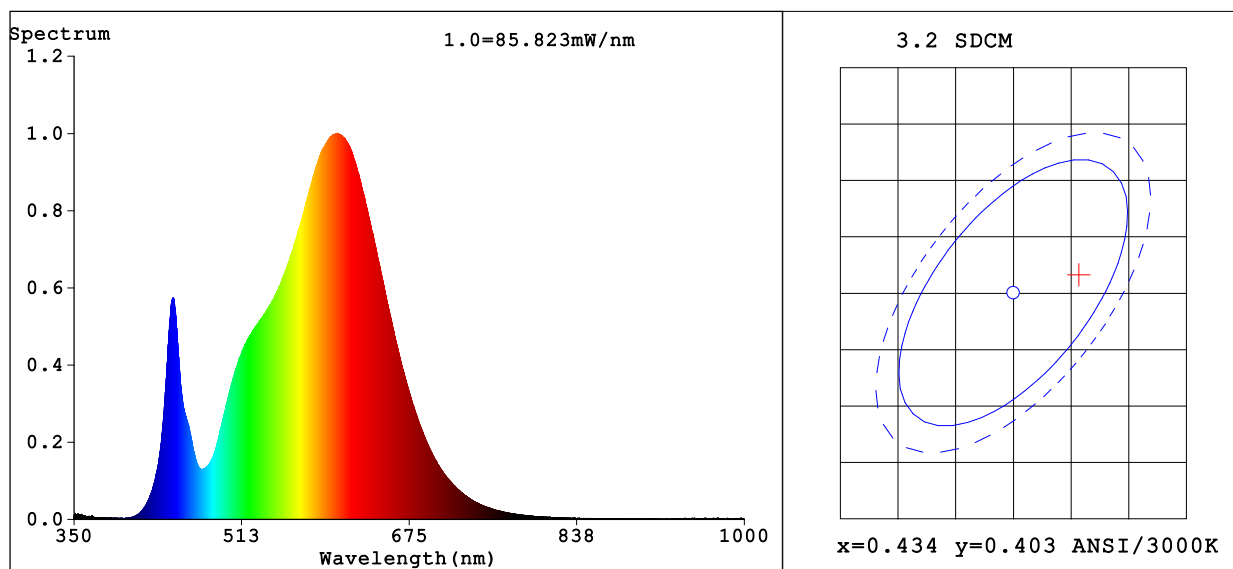
颜色样品逼真度



Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:9  
Date:2025-01-14 14:53:32  
Humidity:55.0%  
Remarks:

## Spectrum Test Report



## Color Parameters:

Chromaticity Coordinate:  $x=0.4395$   $y=0.4046$   $u'=0.2520$   $v'=0.5220$   
CCT=2961K (Duv=-0.0001) Dominant WL:Ld =583.0nm WL:Lc = --nm Purity=53.4%  
Ratio:R=23.2% G=74.6% B=2.2% Peak WL:Lp=605.4nm FWHM=132.5nm  
Render Index:Ra=82.8 AvgR=77.2

R1 =81.1 R2 =89.4 R3 =96.7 R4 =82.2 R5 =81.3 R6 =87.3 R7 =83.8  
R8 =60.6 R9 =9.4 R10=76.4 R11=82.4 R12=72.3 R13=82.8 R14=98.3 R15=73.7

## Photo Parameters:

Flux = 4209 lm Eff. : 121.75 lm/W Fe = 12.90 W

## Electrical parameters:

V = 120.23 V I = 0.2887 A P = 34.57 W PF = 0.9959  
LEVEL:OUT WHITE:ANSI\_3000K

Status: Integral T = 13 ms Ip = 43756 (67%)

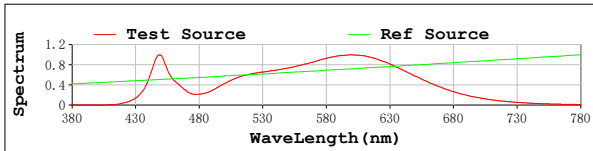
Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:8  
Date:2025-01-14 14:53:02  
Humidity:55.0%  
Remarks:

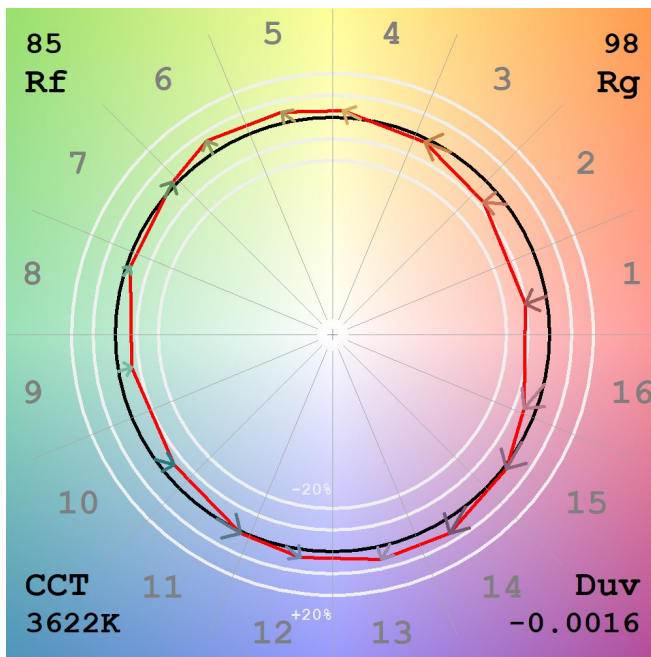
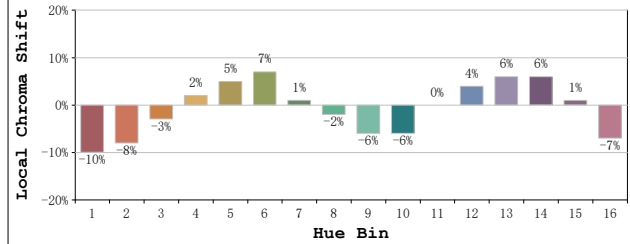
## TM30

光谱功率分布

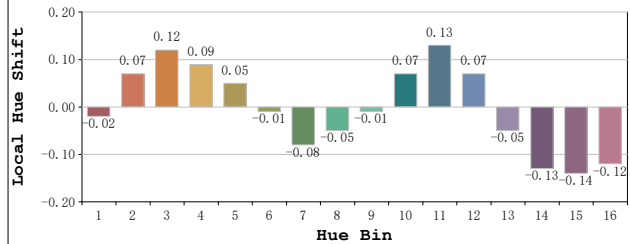
Rf: 85 CCT: 3622 K u': 0.2336  
Rg: 98 Duv: -0.0016 v': 0.5068



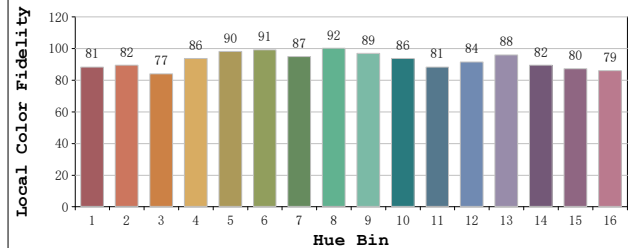
色度变化分布



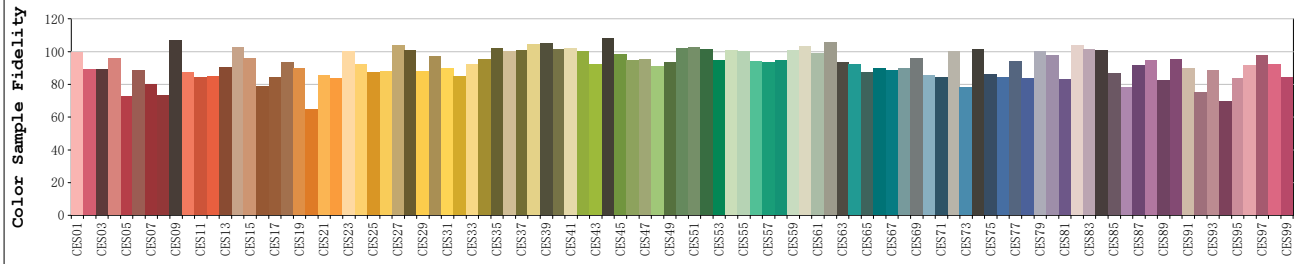
色调变化分布



逼真度分布



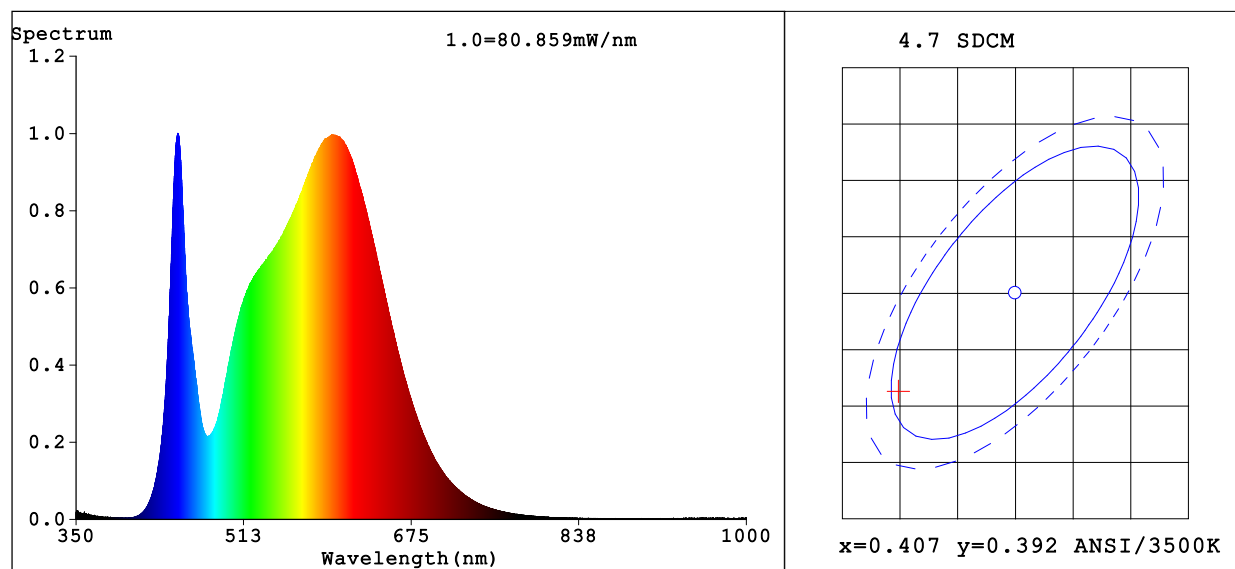
颜色样品逼真度



Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:8  
Date:2025-01-14 14:53:02  
Humidity:55.0%  
Remarks:

## Spectrum Test Report



## Color Parameters:

Chromaticity Coordinate:  $x=0.3972$   $y=0.3830$   $u'=0.2336$   $v'=0.5068$   
CCT=3622K (Duv=-0.0016) Dominant WL:Ld =581.2nm WL:Lc = --nm Purity=34.1%  
Ratio:R=20.1% G=76.8% B=3.1% Peak WL:Lp=448.7nm FWHM=20.0nm  
Render Index:Ra=84.6 AvgR=78.9

R1 =83.7 R2 =90.0 R3 =94.9 R4 =84.5 R5 =83.7 R6 =86.6 R7 =86.4  
R8 =67.1 R9 =18.3 R10=76.5 R11=84.4 R12=67.4 R13=85.1 R14=97.1 R15=77.9

## Photo Parameters:

Flux = 4453 lm Eff. : 132.87 lm/W Fe = 13.77 W

## Electrical parameters:

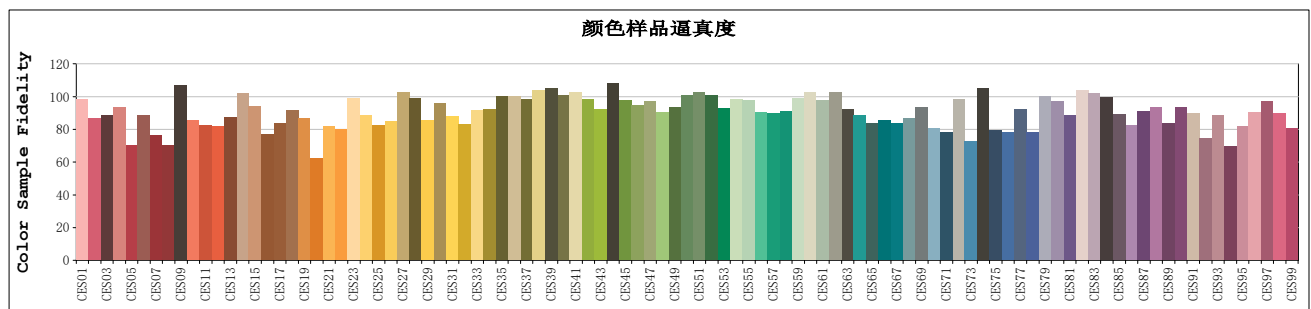
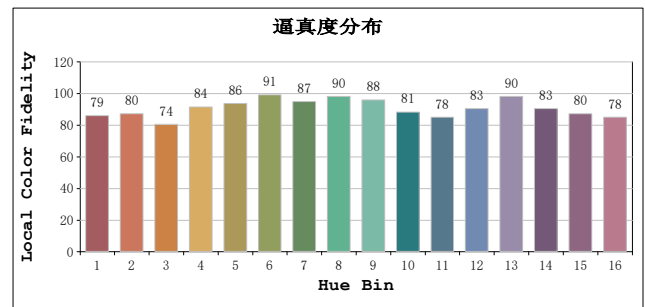
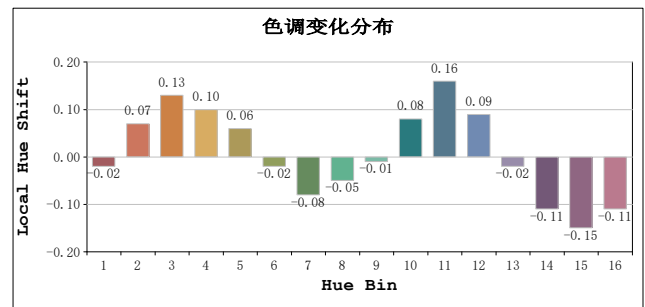
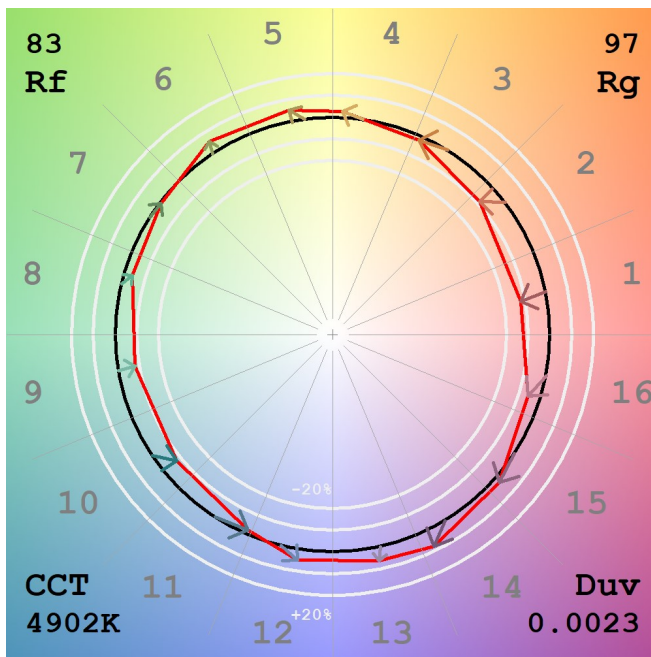
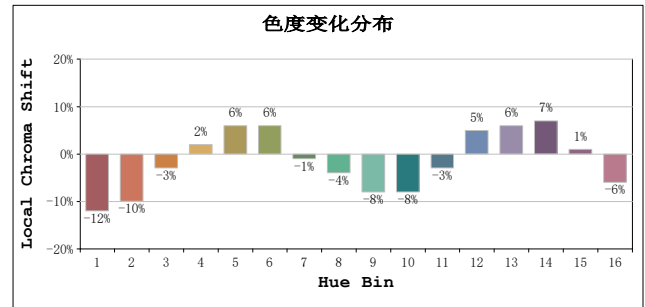
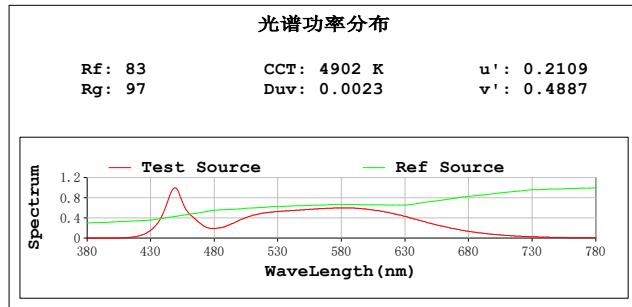
V = 120.22 V I = 0.2800 A P = 33.52 W PF = 0.9957  
LEVEL:OUT WHITE:ANSI\_3500K

Status: Integral T = 13 ms Ip = 41223 (63%)

Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:7  
Date:2025-01-14 14:52:29  
Humidity:55.0%  
Remarks:

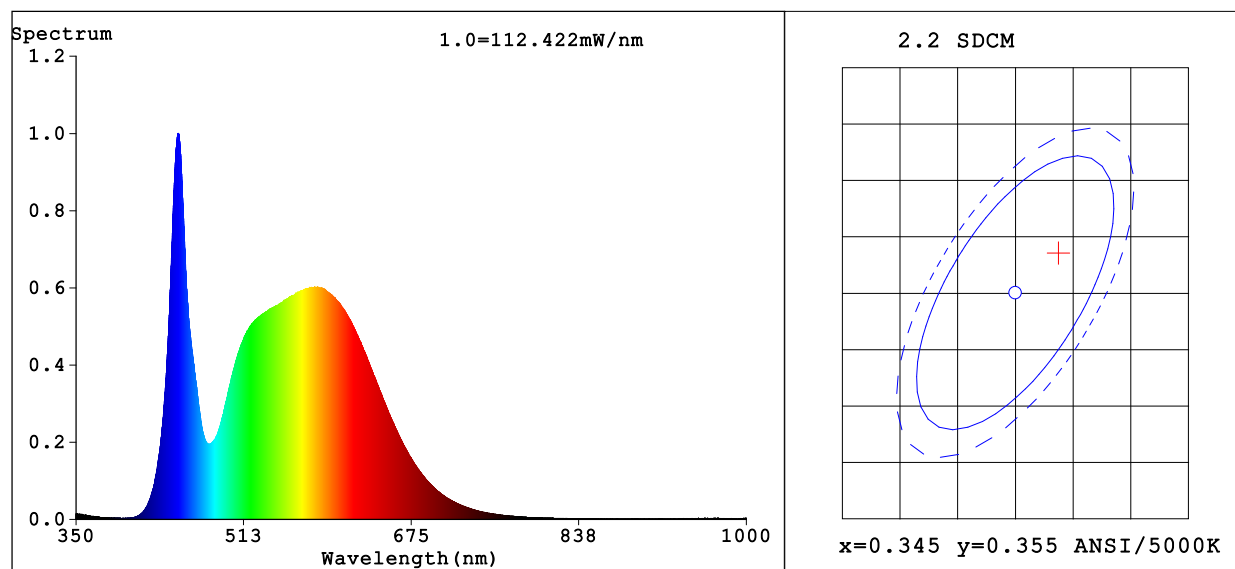
## TM30



Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:7  
Date:2025-01-14 14:52:29  
Humidity:55.0%  
Remarks:

## Spectrum Test Report



## Color Parameters:

Chromaticity Coordinate:  $x=0.3485$   $y=0.3588$   $u'=0.2109$   $v'=0.4887$   
CCT=4902K (Duv=0.0023) Dominant WL:Ld =571.8nm WL:Lc = --nm Purity=12.2%  
Ratio:R=15.9% G=80.1% B=4.1% Peak WL:Lp=449.1nm FWHM=19.9nm  
Render Index:Ra=82.5 AvgR=75.4

R1 =80.8 R2 =86.5 R3 =90.7 R4 =82.9 R5 =81.0 R6 =81.1 R7 =88.2  
R8 =69.3 R9 =11.3 R10=67.8 R11=81.9 R12=56.6 R13=82.0 R14=94.9 R15=75.8

## Photo Parameters:

Flux = 4294 lm Eff. : 120.85 lm/W Fe = 13.39 W

## Electrical parameters:

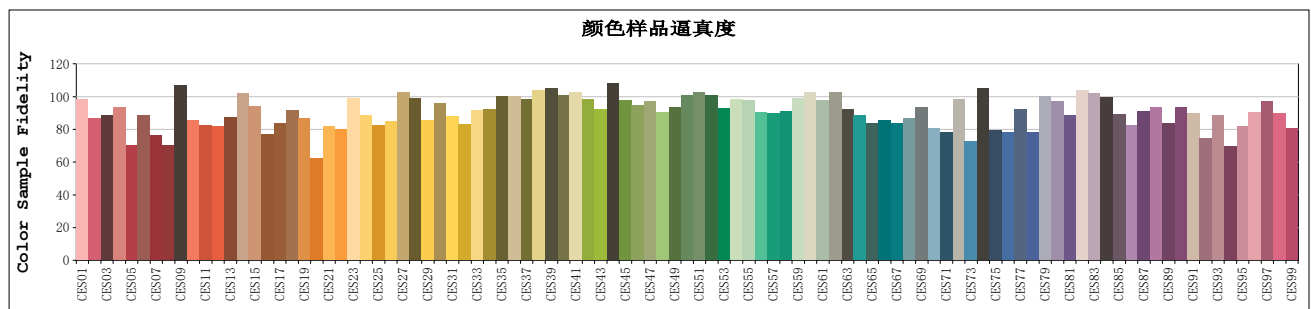
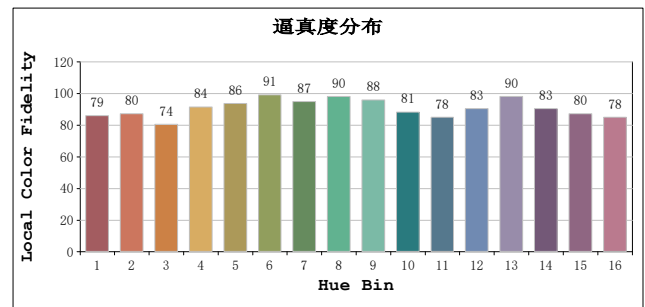
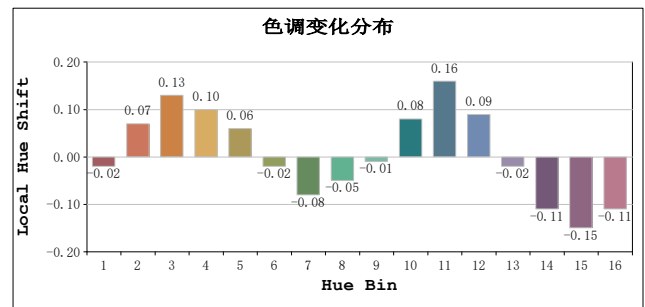
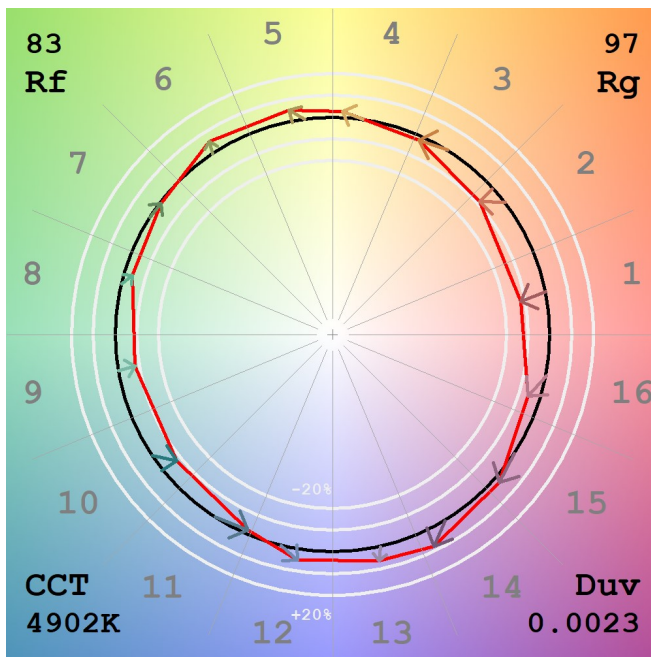
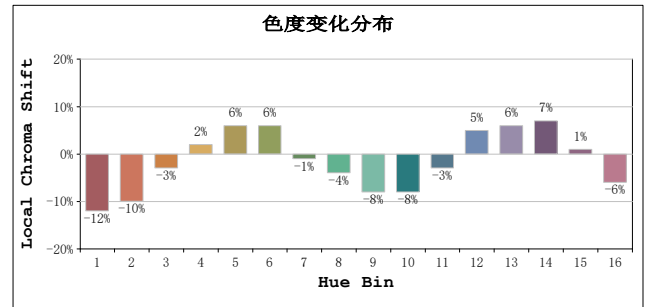
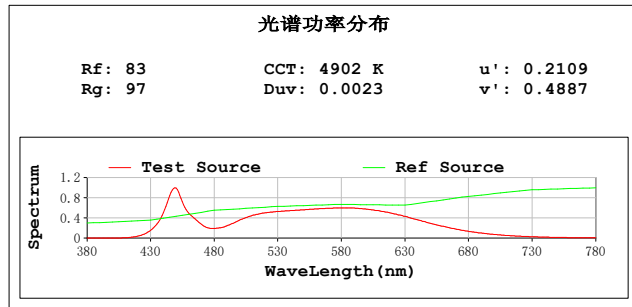
V = 120.22 V I = 0.2968 A P = 35.53 W PF = 0.9960  
LEVEL:OUT WHITE:ANSI\_5000K

Status: Integral T = 13 ms Ip = 35853 (55%)

Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:6  
Date:2025-01-14 14:52:00  
Humidity:55.0%  
Remarks:

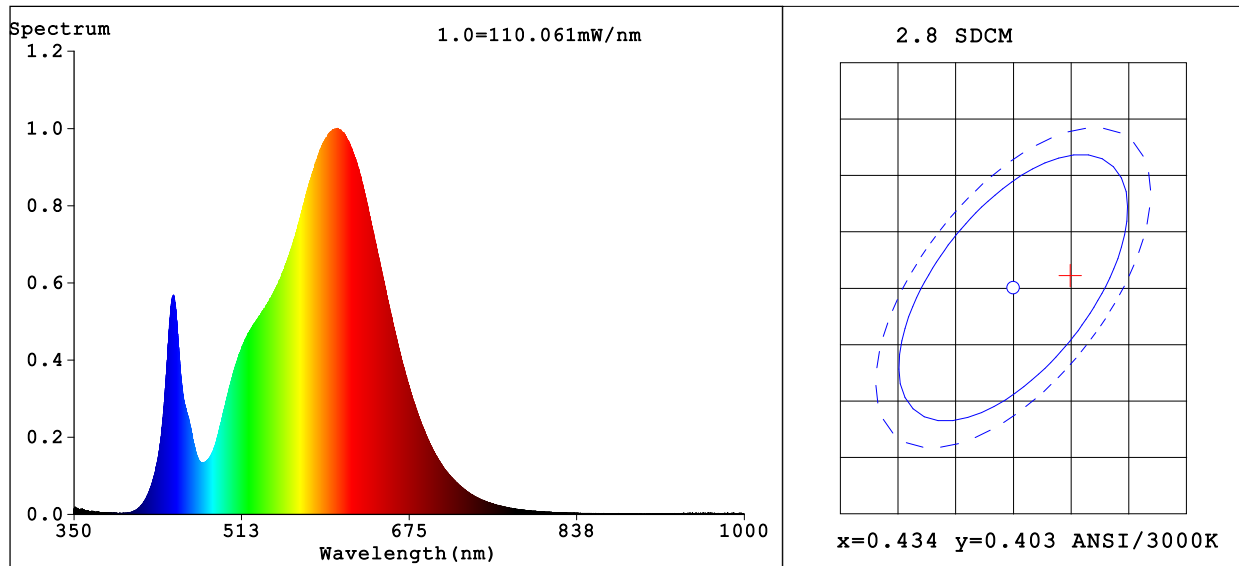
## TM30



Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:6  
Date:2025-01-14 14:52:00  
Humidity:55.0%  
Remarks:

## Spectrum Test Report



## Color Parameters:

Chromaticity Coordinate:  $x=0.4388$   $y=0.4041$   $u'=0.2517$   $v'=0.5217$   
CCT=2970K (Duv=-0.0002) Dominant WL:Ld =583.0nm WL:Lc = --nm Purity=53.0%  
Ratio:R=23.1% G=74.7% B=2.2% Peak WL:Lp=605.7nm FWHM=132.3nm  
Render Index:Ra=82.6 AvgR=77.0

R1 =80.8 R2 =89.3 R3 =96.7 R4 =82.0 R5 =81.1 R6 =87.2 R7 =83.7  
R8 =60.4 R9 =9.0 R10=76.1 R11=82.0 R12=72.1 R13=82.5 R14=98.3 R15=73.6

## Photo Parameters:

Flux = 5409 lm Eff. : 135.31 lm/W Fe = 16.60 W

## Electrical parameters:

V = 120.22 V I = 0.3340 A P = 39.97 W PF = 0.9955  
LEVEL:OUT WHITE:ANSI\_3000K

Status: Integral T = 13 ms Ip = 48825 (75%)

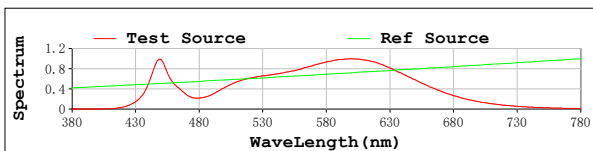
Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:3  
Date:2025-01-14 15:07:00  
Humidity:55.0%  
Remarks:

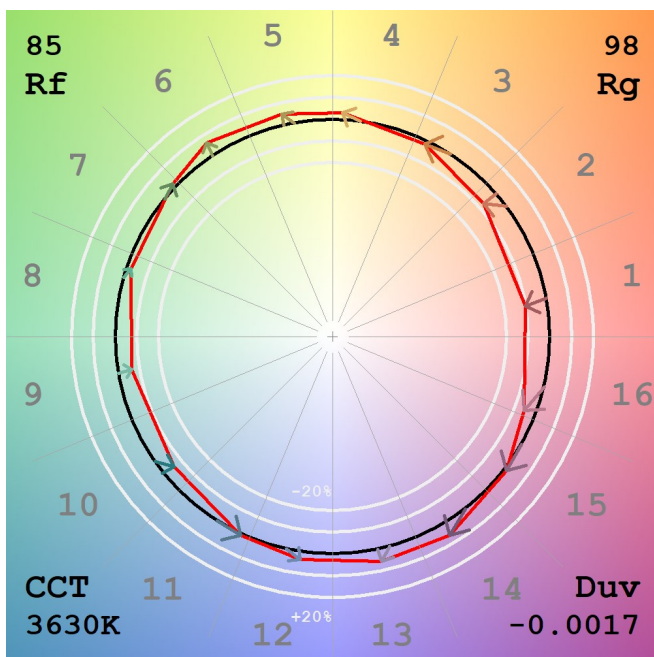
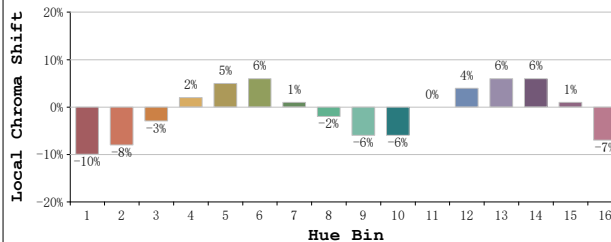
## TM30

光谱功率分布

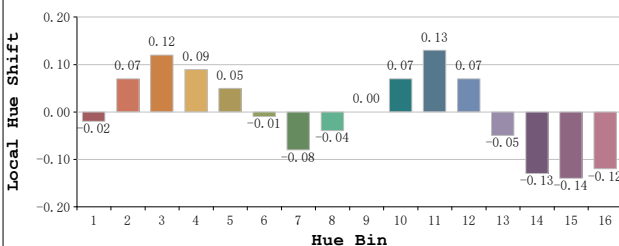
Rf: 85 CCT: 3630 K u': 0.2335  
Rg: 98 Duv: -0.0017 v': 0.5065



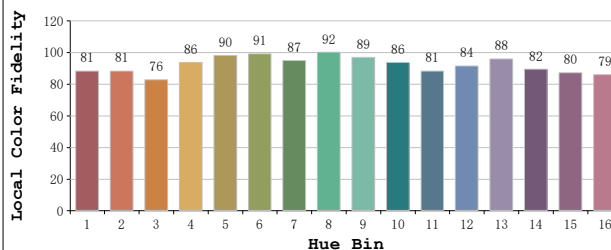
色度变化分布



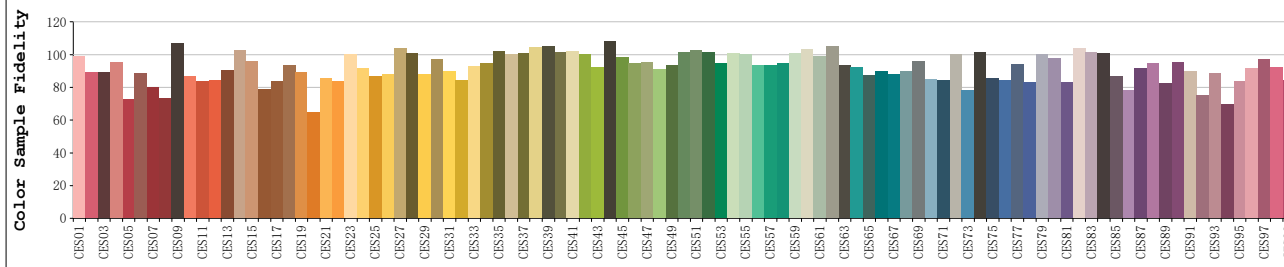
色调变化分布



逼真度分布



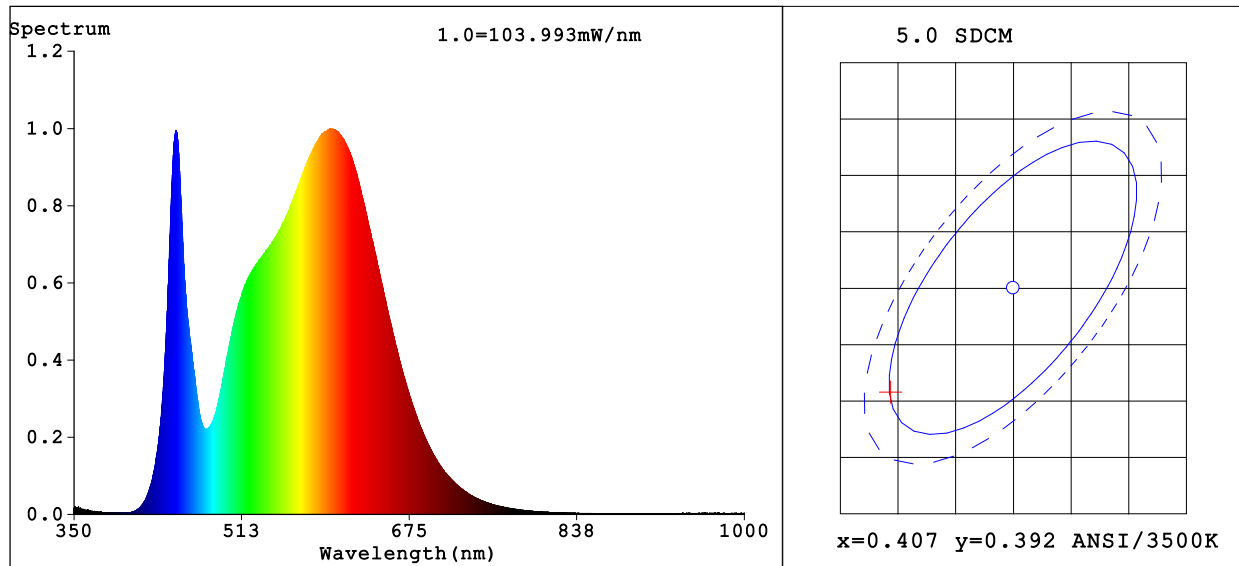
颜色样品逼真度



Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:3  
Date:2025-01-14 15:07:00  
Humidity:55.0%  
Remarks:

## Spectrum Test Report



## Color Parameters:

Chromaticity Coordinate:  $x=0.3967$   $y=0.3824$   $u'=0.2335$   $v'=0.5065$   
CCT=3630K (Duv=-0.0017) Dominant WL:Ld =581.2nm WL:Lc = --nm Purity=33.8%  
Ratio:R=20.0% G=76.9% B=3.1% Peak WL:Lp=597.8nm FWHM=151.0nm  
Render Index:Ra=84.5 AvgR=78.8

R1 =83.5 R2 =89.9 R3 =94.8 R4 =84.3 R5 =83.6 R6 =86.5 R7 =86.3  
R8 =67.0 R9 =18.1 R10=76.3 R11=84.1 R12=67.4 R13=84.9 R14=97.1 R15=77.8

## Photo Parameters:

Flux = 5763 lm Eff. : 149.12 lm/W Fe = 17.83 W

## Electrical parameters:

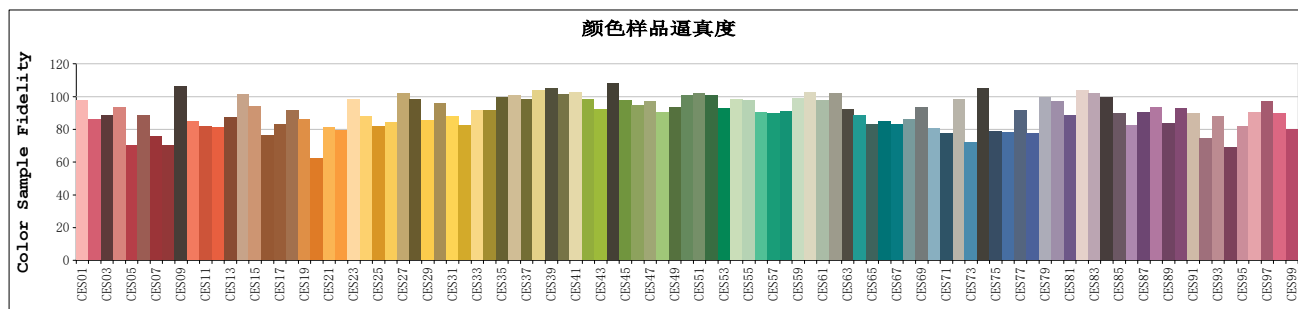
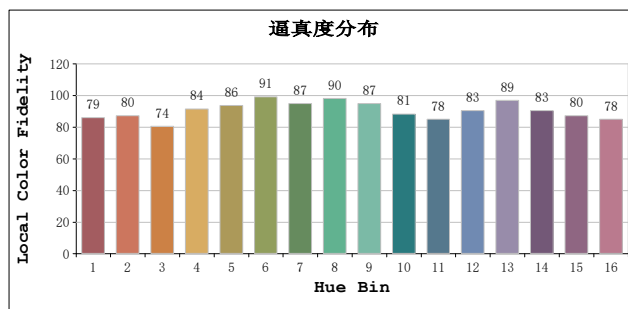
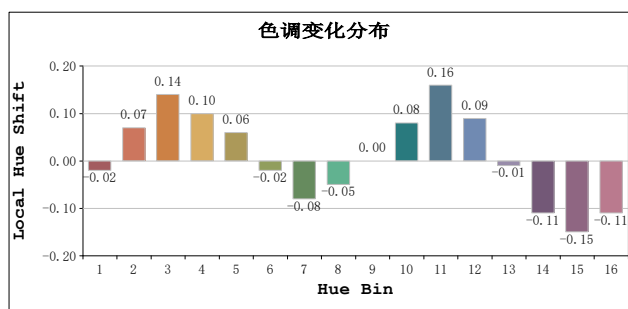
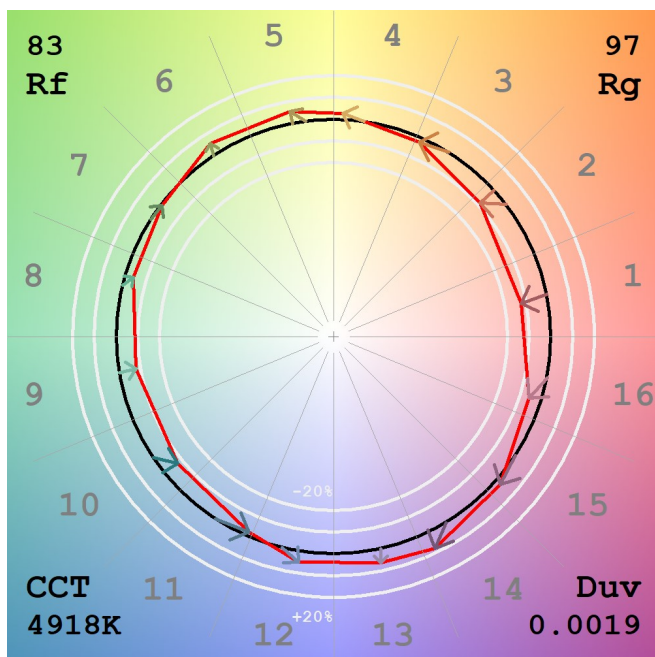
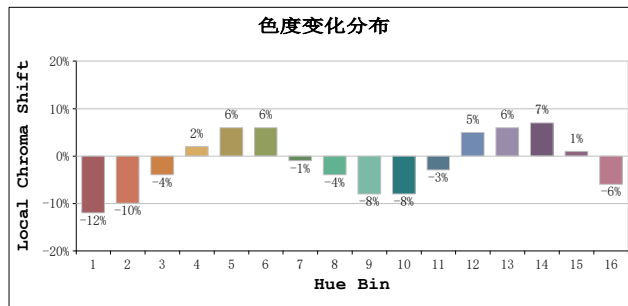
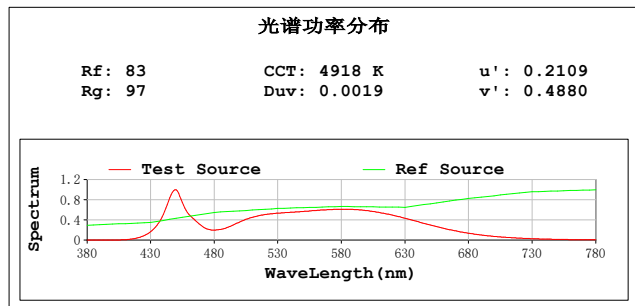
V = 120.23 V I = 0.3230 A P = 38.65 W PF = 0.9952  
LEVEL:OUT WHITE:ANSI\_3500K

Status: Integral T = 13 ms Ip = 46609 (71%)

Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:2  
Date:2025-01-14 15:05:46  
Humidity:55.0%  
Remarks:

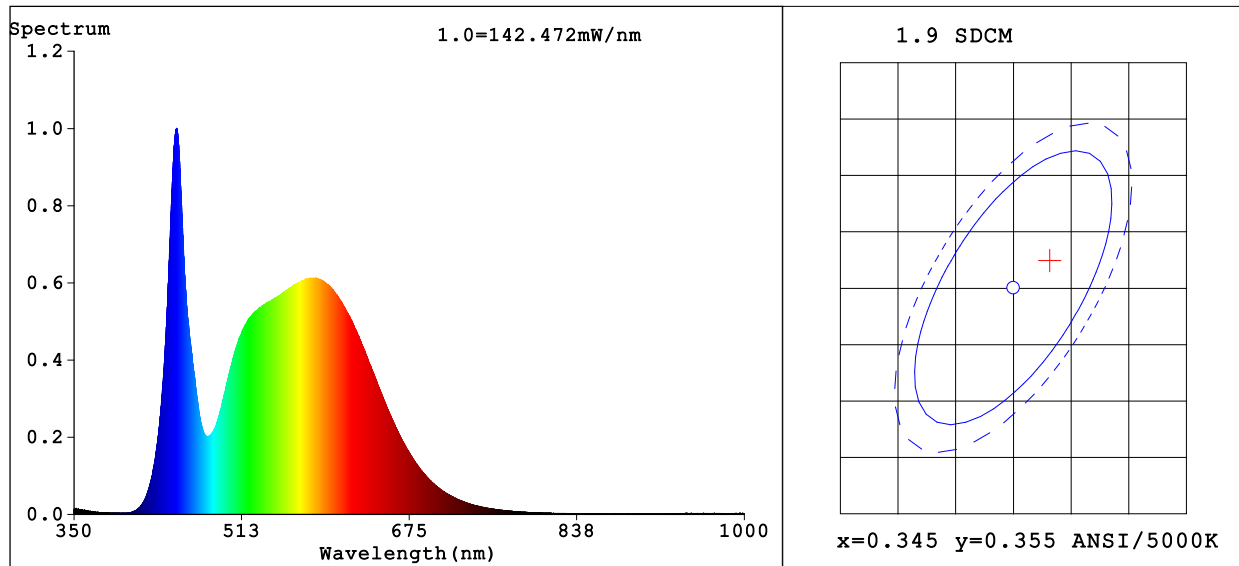
## TM30



Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:2  
Date:2025-01-14 15:05:46  
Humidity:55.0%  
Remarks:

## Spectrum Test Report



## Color Parameters:

Chromaticity Coordinate:  $x=0.3479$   $y=0.3577$   $u'=0.2109$   $v'=0.4880$   
CCT=4918K (Duv=0.0019) Dominant WL:Ld =571.9nm WL:Lc = --nm Purity=11.7%  
Ratio:R=15.8% G=80.1% B=4.1% Peak WL:Lp=449.5nm FWHM=20.9nm  
Render Index:Ra=82.4 AvgR=75.3

R1 =80.6 R2 =86.5 R3 =90.8 R4 =82.7 R5 =80.9 R6 =81.1 R7 =88.0  
R8 =69.0 R9 =10.6 R10=67.9 R11=81.6 R12=56.9 R13=81.9 R14=95.0 R15=75.6

## Photo Parameters:

Flux = 5507 lm Eff. : 133.55 lm/W Fe = 17.21 W

## Electrical parameters:

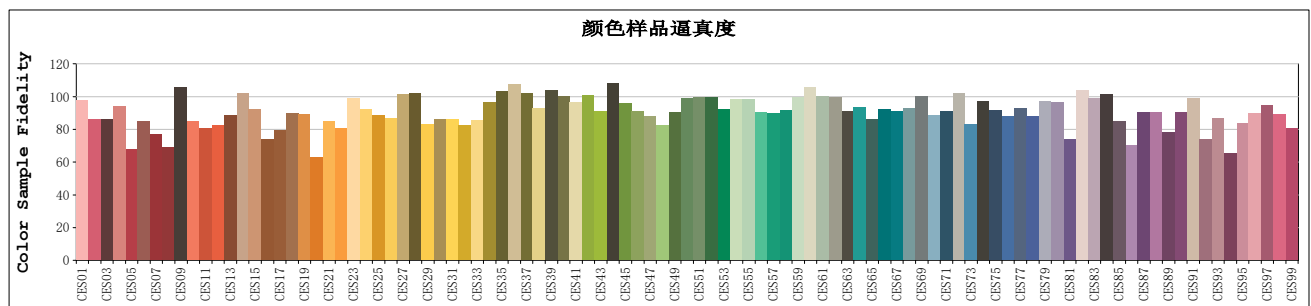
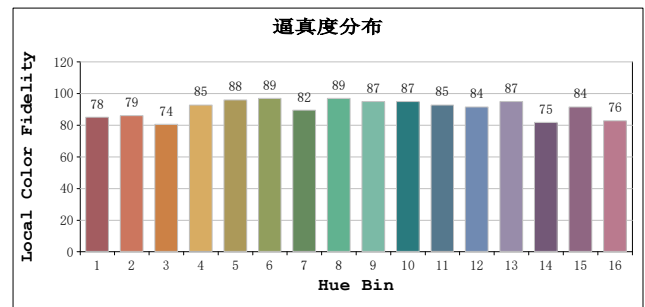
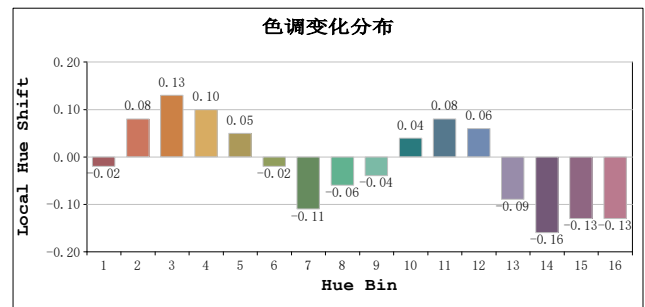
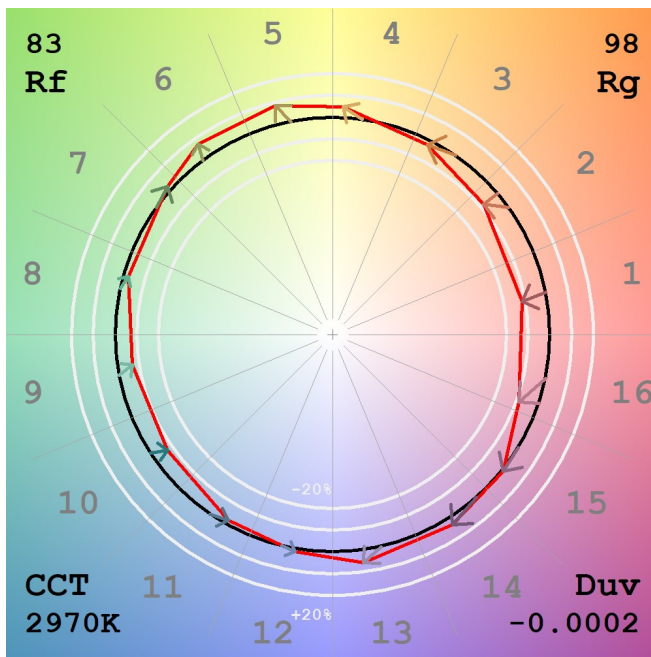
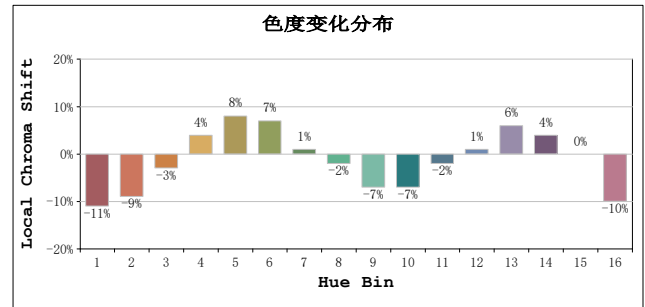
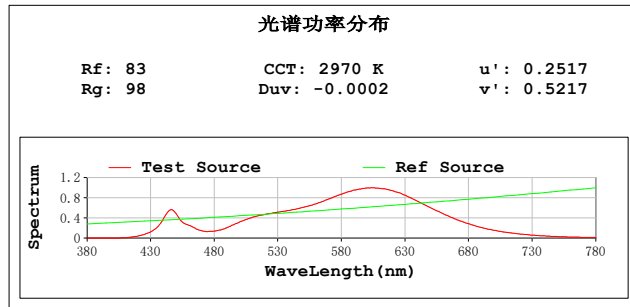
V = 120.23 V I = 0.3445 A P = 41.24 W PF = 0.9957  
LEVEL:OUT WHITE:ANSI\_5000K

Status: Integral T = 13 ms Ip = 39857 (61%)

Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:1  
Date:2025-01-14 15:04:33  
Humidity:55.0%  
Remarks:

## TM30



Model:  
Tester:LZY  
Temperature:25.5Deg  
Manufacturer:

Number:1  
Date:2025-01-14 15:04:33  
Humidity:55.0%  
Remarks: