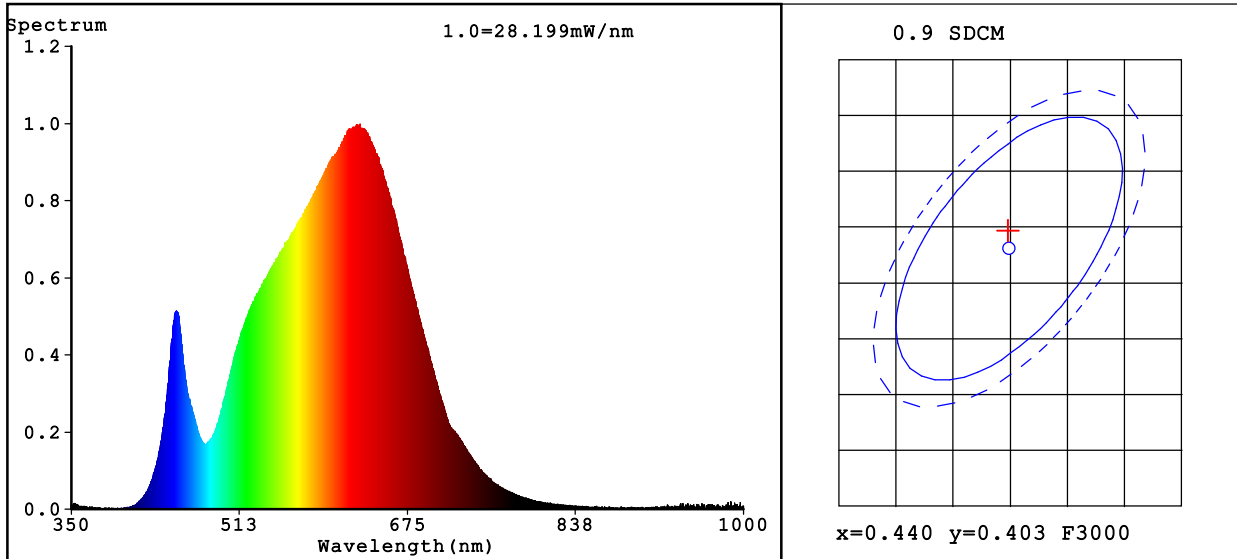


**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4398$   $y=0.4046$  /  $u'=0.2522$   $v'=0.5220$   
 CCT=2956K (Duv=-0.0002) Dominant WL:Ld =583.1nm Purity=53.5%  
 Ratio:R=24.3% G=73.4% B=2.4% Peak WL:Lp=629.0nm FWHM=165.8nm  
 Render Index:Ra=91.1  
 R1 =92 R2 =94 R3 =94 R4 =92 R5 =90 R6 =91 R7 =93  
 R8 =84 R9 =62 R10=83 R11=91 R12=75 R13=92 R14=96 R15=89

**Photo Parameters:**

Flux = 1399 lm Eff. : 75.75 lm/W Fe = 4.967 W

**Electrical parameters:**

V = 230.45 V I = 0.1452 A P = 18.47 W PF = 0.5520

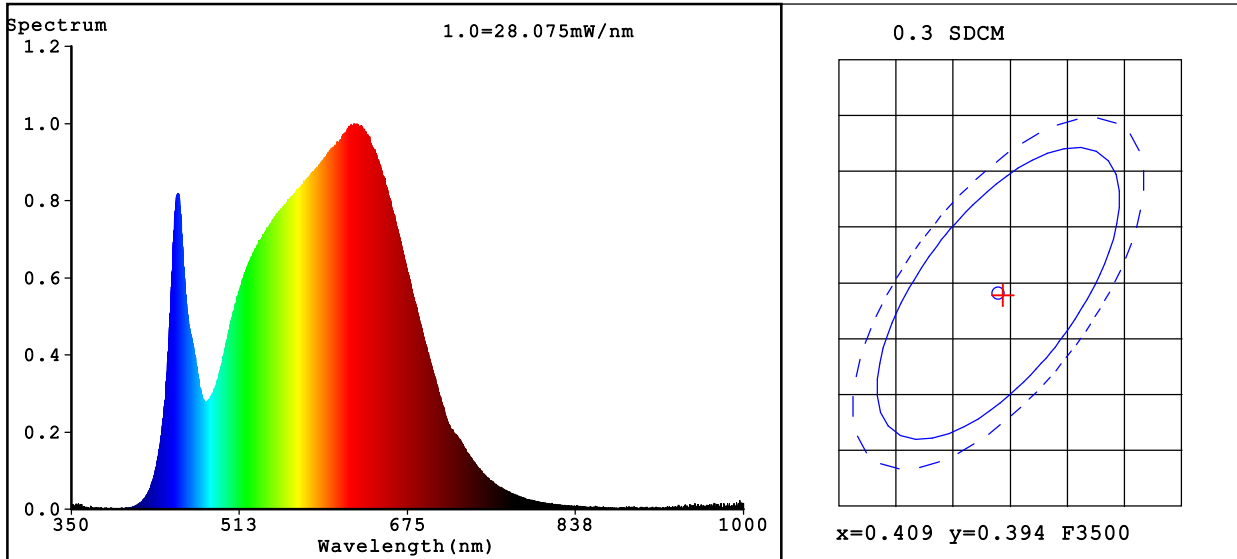
LEVEL:OUT WHITE:ANSI\_3000K

Status: Integral T = 12 ms Ip = 33763 (52%)

Model:66210  
 Tester:QC  
 Temperature:25.3Deg  
 Manufacturer:

Number:3000K  
 Date:2019-10-30 16:54  
 Humidity:65.0%  
 Remarks:

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4094$   $y=0.3938$   $u'=0.2371$   $v'=0.5132$   
 CCT=3437K (Duv=0.0005) Dominant WL:Ld =580.9nm Purity=41.1%  
 Ratio:R=21.7% G=75.0% B=3.2% Peak WL:Lp=626.1nm FWHM=180.4nm  
 Render Index:Ra=92.7  
 R1 =93 R2 =95 R3 =95 R4 =93 R5 =92 R6 =92 R7 =95  
 R8 =88 R9 =69 R10=86 R11=92 R12=72 R13=93 R14=96 R15=91

**Photo Parameters:**

Flux = 1568 lm Eff. : 89.84 lm/W Fe = 5.480 W

**Electrical parameters:**

V = 230.39 V I = 0.1380 A P = 17.46 W PF = 0.5493

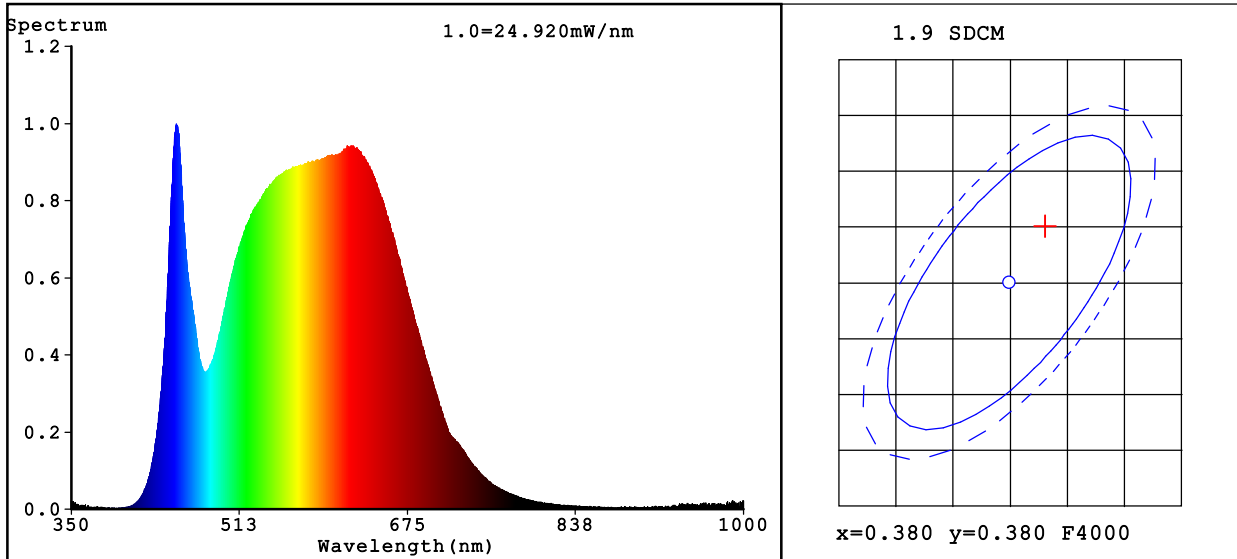
LEVEL:OUT WHITE:ANSI\_3500K

Status: Integral T = 12 ms Ip = 34092 (52%)

Model:66210  
 Tester:QC  
 Temperature:25.3Deg  
 Manufacturer:

Number:3500K  
 Date:2019-10-30 16:55  
 Humidity:65.0%  
 Remarks:

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3831$   $y=0.3850$  /  $u'=0.2236$   $v'=0.5056$   
 CCT=3988K (Duv=0.0030) Dominant WL:  $L_d = 577.6\text{nm}$  Purity=30.5%  
 Ratio: R=19.3% G=76.9% B=3.8% Peak WL:  $L_p = 451.7\text{nm}$  FWHM=26.7nm  
 Render Index:  $R_a = 91.3$   
 R1 =91 R2 =93 R3 =94 R4 =92 R5 =90 R6 =89 R7 =96  
 R8 =87 R9 =64 R10=82 R11=91 R12=68 R13=91 R14=96 R15=89

**Photo Parameters:**

Flux = 1493 lm Eff. : 81.56 lm/W Fe = 5.123 W

**Electrical parameters:**

V = 230.49 V I = 0.1442 A P = 18.30 W PF = 0.5506

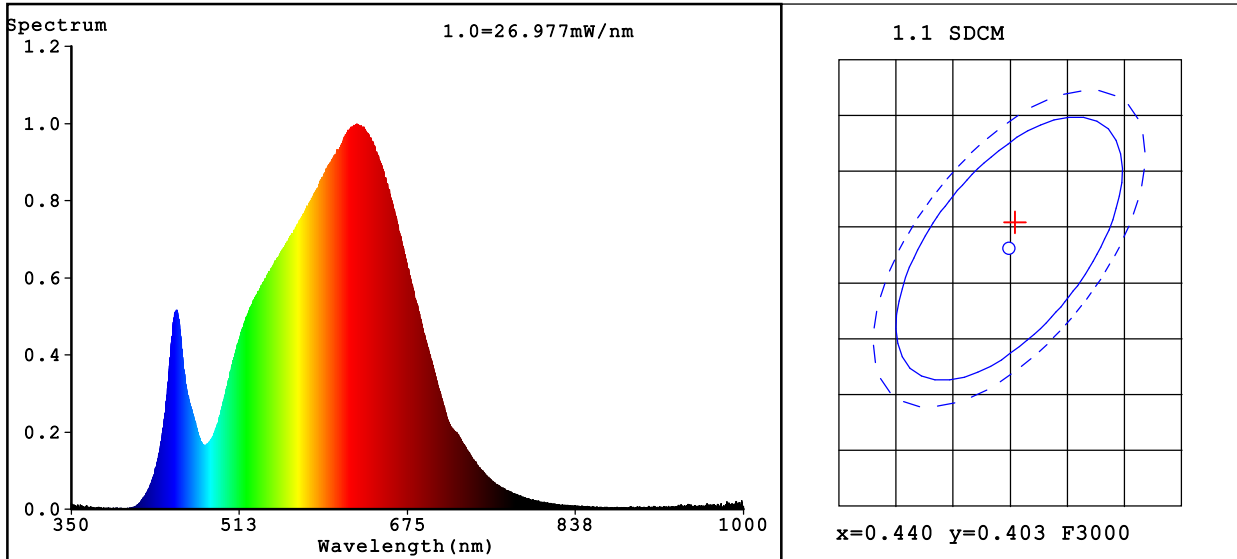
LEVEL:OUT WHITE:ANSI\_4000K

Status: Integral T = 19 ms  $I_p = 51261$  (78%)

Model:66210  
 Tester:QC  
 Temperature:25.3Deg  
 Manufacturer:

Number:4000K  
 Date:2019-10-30 16:55  
 Humidity:65.0%  
 Remarks:

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4405$   $y=0.4054$  /  $u'=0.2523$   $v'=0.5224$   
 CCT=2952K (Duv=0.0000) Dominant WL:Ld =583.0nm Purity=53.9%  
 Ratio:R=24.3% G=73.4% B=2.4% Peak WL:Lp=626.1nm FWHM=167.2nm  
 Render Index:Ra=91.3  
 R1 =92 R2 =94 R3 =94 R4 =92 R5 =90 R6 =91 R7 =94  
 R8 =85 R9 =63 R10=84 R11=92 R12=75 R13=92 R14=96 R15=89

**Photo Parameters:**

Flux = 1339 lm Eff. : 71.83 lm/W Fe = 4.766 W

**Electrical parameters:**

V = 229.88 V I = 0.1469 A P = 18.64 W PF = 0.5522

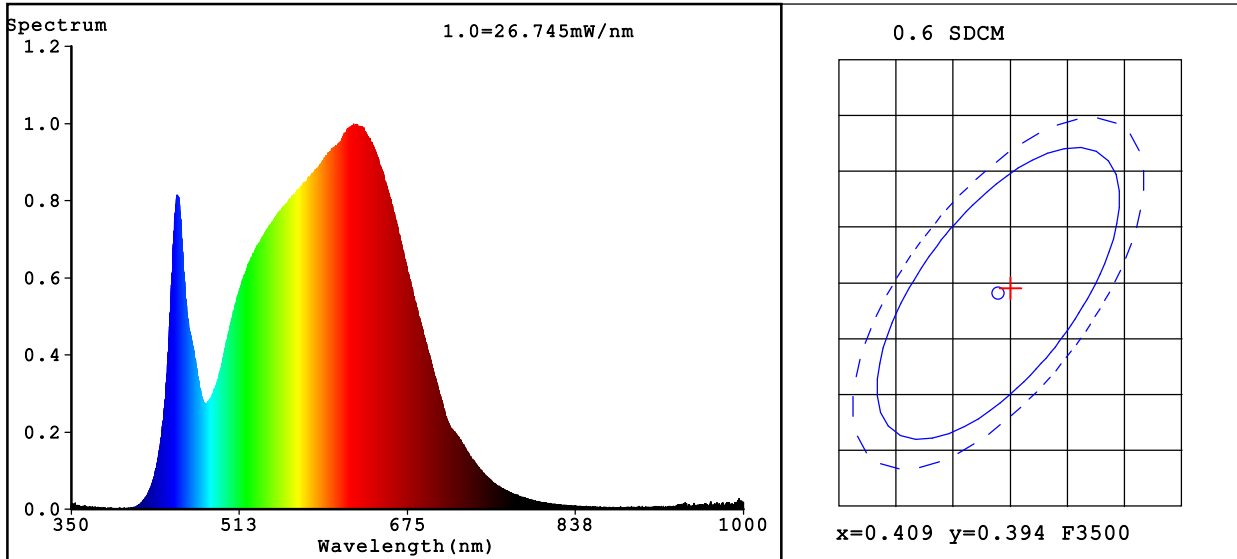
LEVEL:OUT WHITE:ANSI\_3000K

Status: Integral T = 19 ms Ip = 51015 (78%)

Model:66210  
 Tester:QC  
 Temperature:25.3Deg  
 Manufacturer:

Number:3000K  
 Date:2019-10-30 16:56  
 Humidity:65.0%  
 Remarks:

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4101$   $y=0.3945$   $u'=0.2373$   $v'=0.5135$   
 CCT=3428K (Duv=0.0006) Dominant WL:Ld =580.9nm Purity=41.5%  
 Ratio:R=21.8% G=75.0% B=3.2% Peak WL:Lp=622.8nm FWHM=180.5nm  
 Render Index:Ra=92.7  
 R1 =93 R2 =95 R3 =95 R4 =93 R5 =92 R6 =92 R7 =95  
 R8 =88 R9 =69 R10=86 R11=92 R12=72 R13=93 R14=96 R15=91

**Photo Parameters:**

Flux = 1491 lm Eff. : 85.02 lm/W Fe = 5.230 W

**Electrical parameters:**

V = 230.41 V I = 0.1382 A P = 17.53 W PF = 0.5506

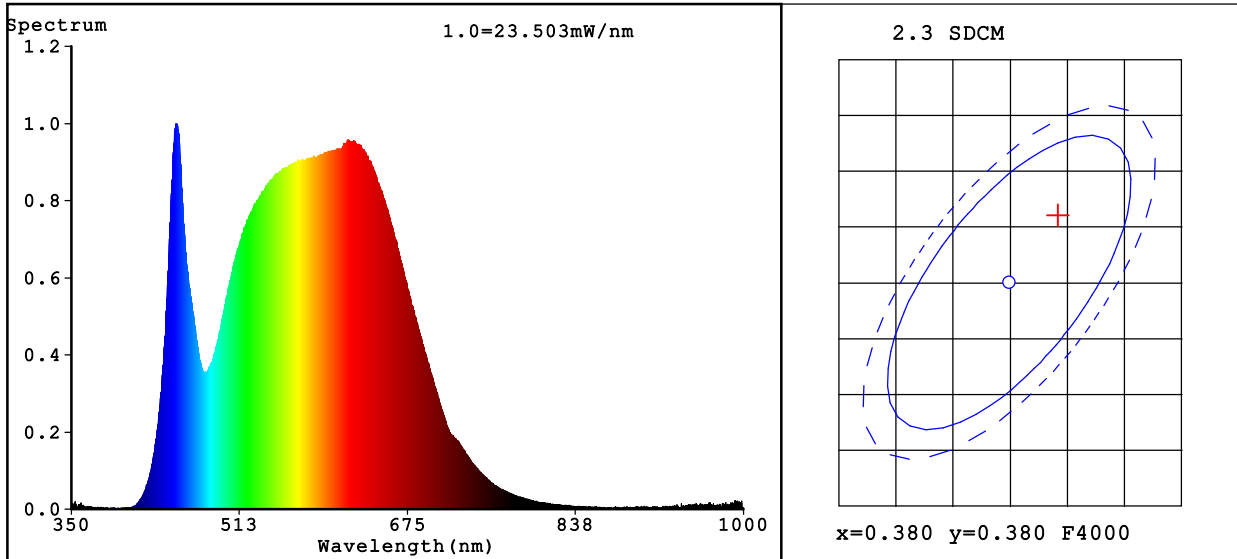
LEVEL:OUT WHITE:ANSI\_3500K

Status: Integral T = 19 ms Ip = 51284 (78%)

Model:66210  
 Tester:QC  
 Temperature:25.3Deg  
 Manufacturer:

Number:3500K  
 Date:2019-10-30 16:57  
 Humidity:65.0%  
 Remarks:

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3842$   $y=0.3860$  /  $u'=0.2239$   $v'=0.5062$   
 CCT=3966K (Duv=0.0032) Dominant WL:  $L_d = 577.6\text{nm}$  Purity=31.2%  
 Ratio: R=19.3% G=76.9% B=3.8% Peak WL:  $L_p = 451.7\text{nm}$  FWHM=26.5nm  
 Render Index:  $R_a = 91.4$   
 R1 =91 R2 =93 R3 =93 R4 =92 R5 =90 R6 =89 R7 =96  
 R8 =87 R9 =65 R10=82 R11=91 R12=68 R13=91 R14=96 R15=89

**Photo Parameters:**

Flux = 1425 lm Eff. : 77.64 lm/W Fe = 4.889 W

**Electrical parameters:**

V = 230.50 V I = 0.1445 A P = 18.36 W PF = 0.5510

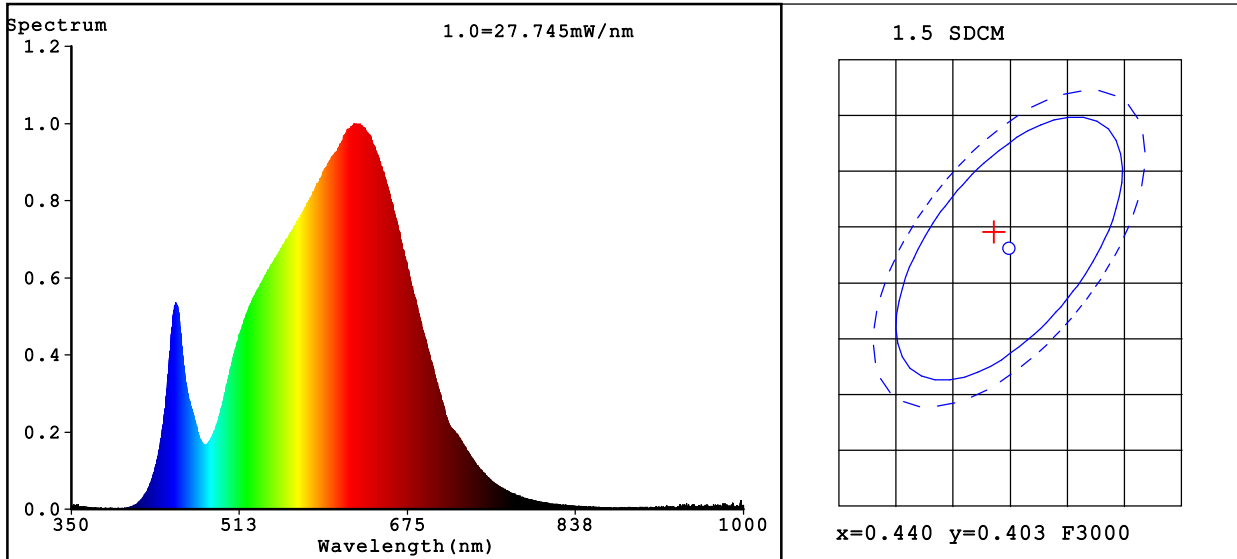
LEVEL:OUT WHITE:ANSI\_4000K

Status: Integral T = 19 ms Ip = 48924 (75%)

Model:66210  
 Tester:QC  
 Temperature:25.3Deg  
 Manufacturer:

Number:4000K  
 Date:2019-10-30 16:57  
 Humidity:65.0%  
 Remarks:

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4386$   $y=0.4045$  /  $u'=0.2515$   $v'=0.5218$   
 CCT=2976K (Duv=-0.0001) Dominant WL:Ld =582.9nm Purity=53.1%  
 Ratio:R=24.1% G=73.5% B=2.4% Peak WL:Lp=629.0nm FWHM=167.6nm  
 Render Index:Ra=91.1  
 R1 =91 R2 =93 R3 =93 R4 =92 R5 =90 R6 =91 R7 =93  
 R8 =84 R9 =62 R10=83 R11=91 R12=75 R13=92 R14=95 R15=89

**Photo Parameters:**

Flux = 1391 lm Eff. : 75.01 lm/W Fe = 4.932 W

**Electrical parameters:**

V = 230.00 V I = 0.1461 A P = 18.55 W PF = 0.5521

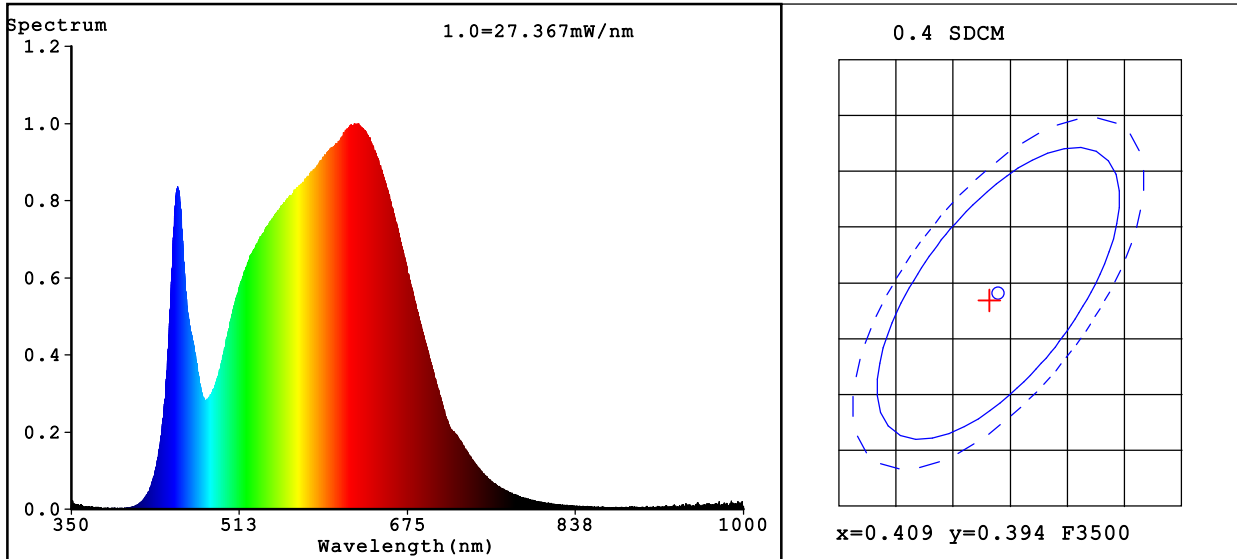
LEVEL:OUT WHITE:ANSI\_3000K

Status: Integral T = 19 ms Ip = 52864 (81%)

Model:66210  
 Tester:QC  
 Temperature:25.3Deg  
 Manufacturer:

Number:3000K  
 Date:2019-10-30 16:58  
 Humidity:65.0%  
 Remarks:

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4082$   $y=0.3934$  /  $u'=0.2365$   $v'=0.5128$   
 CCT=3459K (Duv=0.0005) Dominant WL:Ld =580.8nm Purity=40.6%  
 Ratio:R=21.6% G=75.1% B=3.3% Peak WL:Lp=624.1nm FWHM=180.7nm  
 Render Index:Ra=92.7  
 R1 =93 R2 =95 R3 =95 R4 =93 R5 =92 R6 =92 R7 =95  
 R8 =88 R9 =69 R10=86 R11=92 R12=72 R13=93 R14=96 R15=91

**Photo Parameters:**

Flux = 1538 lm Eff. : 88.32 lm/W Fe = 5.385 W

**Electrical parameters:**

V = 230.46 V I = 0.1376 A P = 17.41 W PF = 0.5493

LEVEL:OUT WHITE:ANSI\_3500K

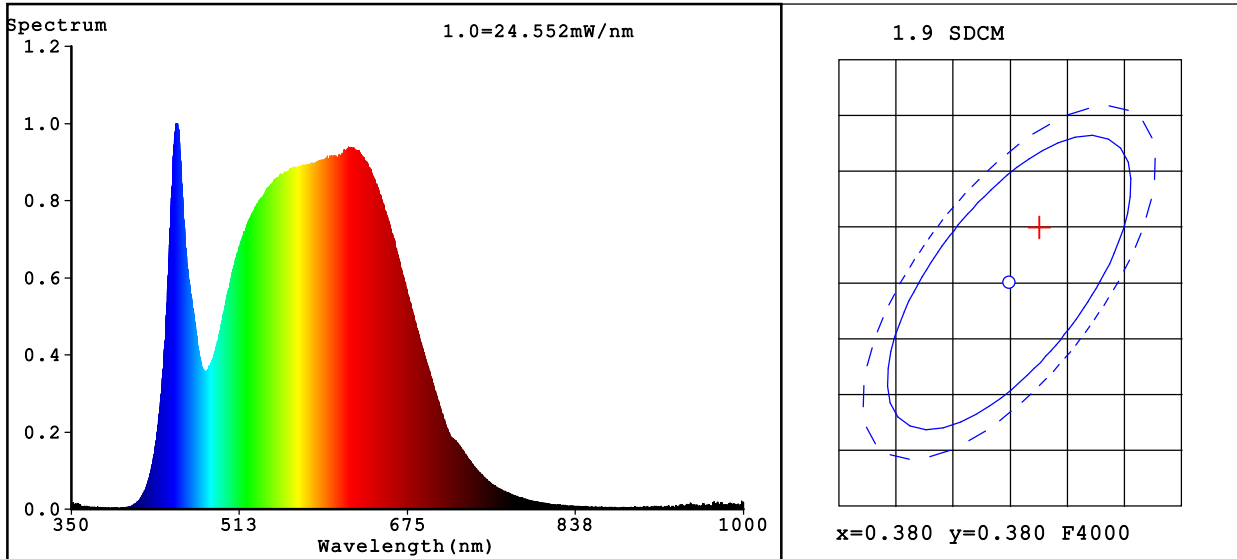
Status: Integral T = 19 ms Ip = 52749 (80%)

Model:66210  
 Tester:QC  
 Temperature:25.3Deg  
 Manufacturer:

Number:3500K  
 Date:2019-10-30 16:58  
 Humidity:65.0%  
 Remarks:



**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3826$   $y=0.3849$  /  $u'=0.2233$   $v'=0.5054$   
 CCT=4001K (Duv=0.0031) Dominant WL:  $L_d = 577.5\text{nm}$  Purity=30.3%  
 Ratio: R=19.2% G=76.9% B=3.9% Peak WL:  $L_p = 451.4\text{nm}$  FWHM=26.8nm  
 Render Index:  $R_a = 91.4$   
 R1 =91 R2 =93 R3 =94 R4 =92 R5 =90 R6 =89 R7 =96  
 R8 =87 R9 =64 R10=83 R11=91 R12=68 R13=91 R14=96 R15=89

**Photo Parameters:**

Flux = 1468 lm Eff. : 80.57 lm/W Fe = 5.034 W

**Electrical parameters:**

V = 230.27 V I = 0.1436 A P = 18.22 W PF = 0.5509

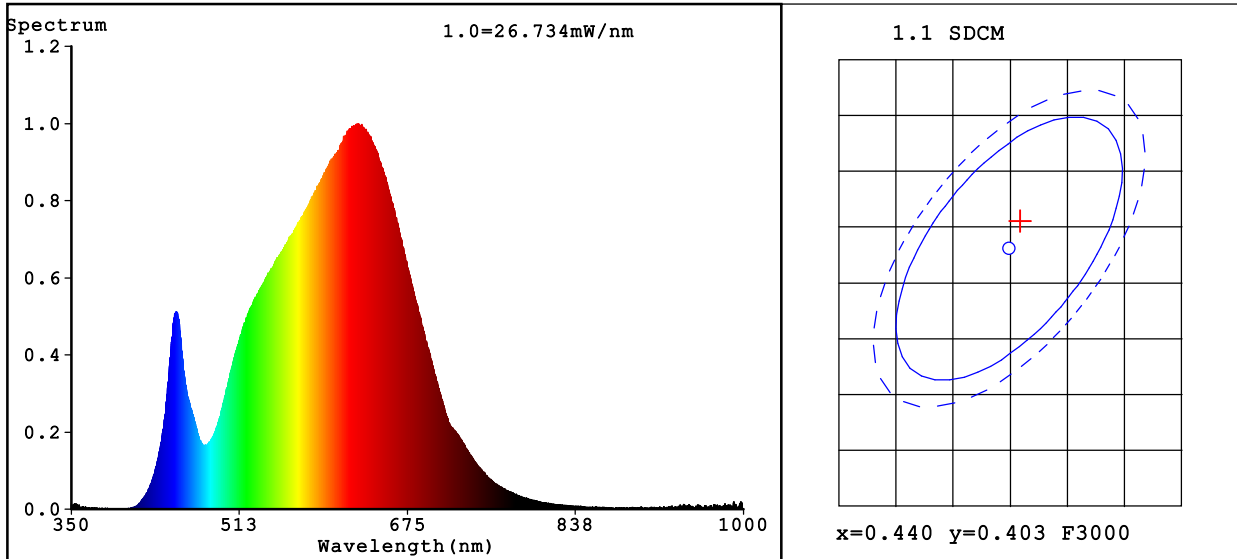
LEVEL:OUT WHITE:ANSI\_4000K

Status: Integral T = 19 ms Ip = 50659 (77%)

Model:66210  
 Tester:QC  
 Temperature:25.3Deg  
 Manufacturer:

Number:4000K  
 Date:2019-10-30 16:59  
 Humidity:65.0%  
 Remarks:

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4410$   $y=0.4055$   $u'=0.2526$   $v'=0.5225$   
 CCT=2945K (Duv=0.0000) Dominant WL:Ld =583.0nm Purity=54.1%  
 Ratio:R=24.3% G=73.3% B=2.3% Peak WL:Lp=627.4nm FWHM=167.0nm  
 Render Index:Ra=91.2  
 R1 =92 R2 =93 R3 =93 R4 =92 R5 =90 R6 =91 R7 =94  
 R8 =84 R9 =63 R10=83 R11=92 R12=75 R13=92 R14=95 R15=89

**Photo Parameters:**

Flux = 1326 lm Eff. : 71.52 lm/W Fe = 4.716 W

**Electrical parameters:**

V = 229.97 V I = 0.1464 A P = 18.54 W PF = 0.5505

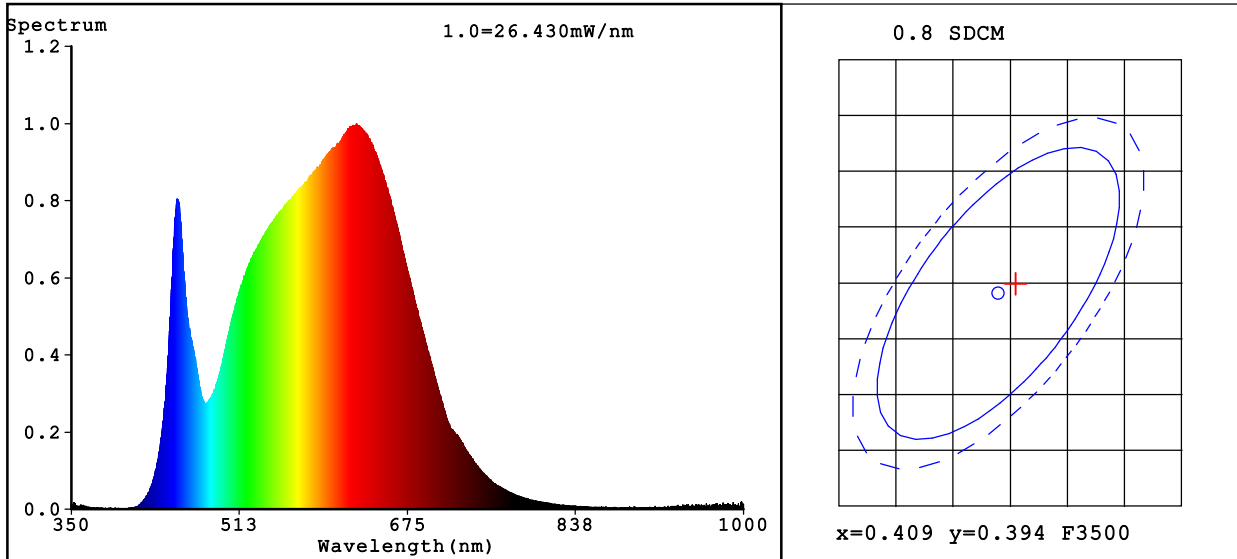
LEVEL:OUT WHITE:ANSI\_3000K

Status: Integral T = 19 ms Ip = 50919 (78%)

Model:66210  
 Tester:QC  
 Temperature:25.3Deg  
 Manufacturer:

Number:3000K  
 Date:2019-10-30 17:00  
 Humidity:65.0%  
 Remarks:

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4106$   $y=0.3949$  /  $u'=0.2374$   $v'=0.5138$   
 CCT=3421K (Duv=0.0007) Dominant WL:Ld =580.9nm Purity=41.7%  
 Ratio:R=21.8% G=75.0% B=3.2% Peak WL:Lp=625.7nm FWHM=180.4nm  
 Render Index:Ra=92.7  
 R1 =93 R2 =95 R3 =95 R4 =93 R5 =92 R6 =92 R7 =95  
 R8 =88 R9 =69 R10=86 R11=92 R12=72 R13=93 R14=96 R15=91

**Photo Parameters:**

Flux = 1471 lm Eff. : 84.46 lm/W Fe = 5.152 W

**Electrical parameters:**

V = 230.53 V I = 0.1377 A P = 17.41 W PF = 0.5485

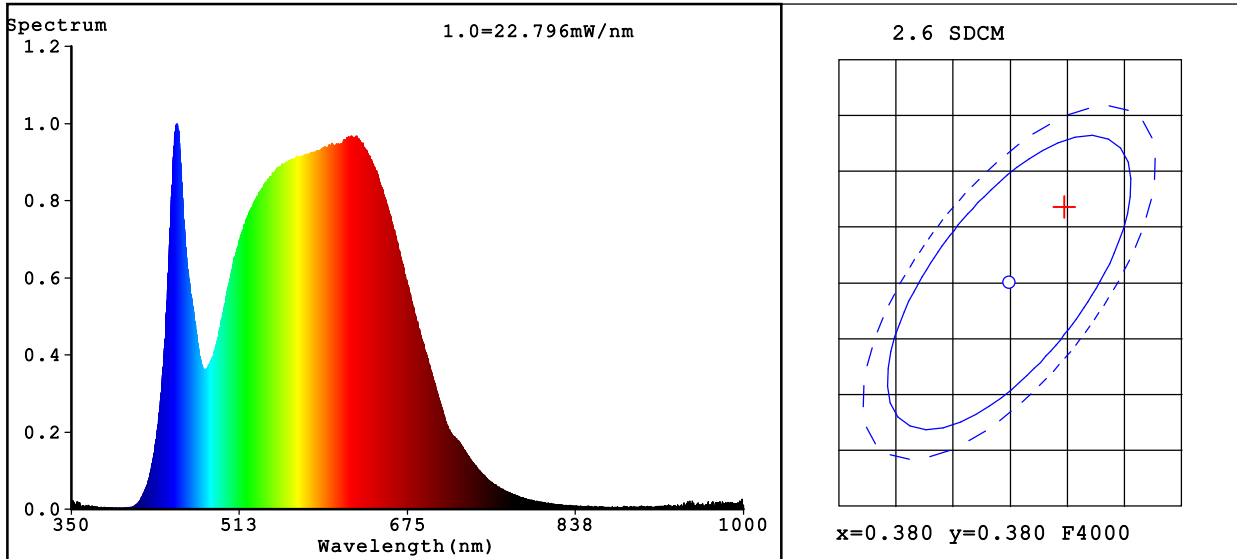
LEVEL:OUT WHITE:ANSI\_3500K

Status: Integral T = 19 ms Ip = 50634 (77%)

Model:66210  
 Tester:QC  
 Temperature:25.3Deg  
 Manufacturer:

Number:3500K  
 Date:2019-10-30 17:00  
 Humidity:65.0%  
 Remarks:

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3848$   $y=0.3868$  /  $u'=0.2240$   $v'=0.5066$   
 CCT=3958K (Duv=0.0034) Dominant WL:Ld =577.6nm Purity=31.6%  
 Ratio:R=19.4% G=76.8% B=3.8% Peak WL:Lp=452.3nm FWHM=26.9nm  
 Render Index:Ra=91.3  
 R1 =91 R2 =93 R3 =94 R4 =92 R5 =90 R6 =89 R7 =96  
 R8 =87 R9 =64 R10=82 R11=91 R12=68 R13=91 R14=96 R15=89

**Photo Parameters:**

Flux = 1401 lm Eff. : 76.92 lm/W Fe = 4.810 W

**Electrical parameters:**

V = 230.41 V I = 0.1436 A P = 18.21 W PF = 0.5504

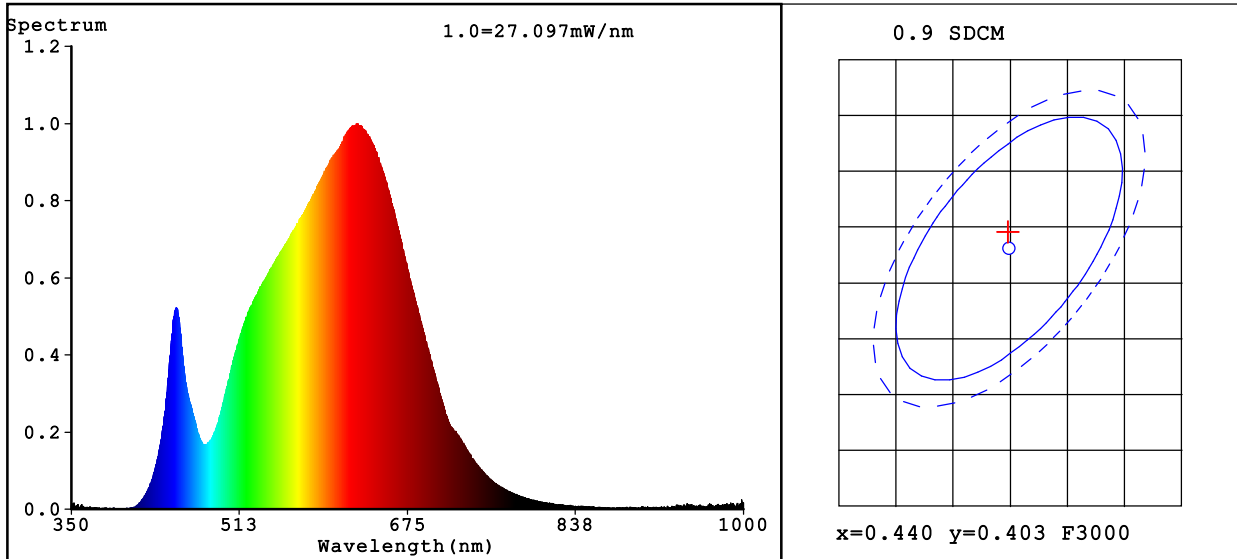
LEVEL:OUT WHITE:ANSI\_4000K

Status: Integral T = 19 ms Ip = 48091 (73%)

Model:66210  
 Tester:QC  
 Temperature:25.3Deg  
 Manufacturer:

Number:4000K  
 Date:2019-10-30 17:01  
 Humidity:65.0%  
 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 Purity=53.4%  
 Ratio:R=24.3% G=73.4% B=2.4% Peak WL:Lp=627.1nm FWHM=166.5nm  
 Render Index:Ra=91.2  
 R1 =92 R2 =94 R3 =94 R4 =92 R5 =90 R6 =91 R7 =94  
 R8 =84 R9 =63 R10=84 R11=91 R12=75 R13=92 R14=96 R15=89

**Photo Parameters:**

Flux = 1347 lm Eff. : 73.55 lm/W Fe = 4.789 W

**Electrical parameters:**

V = 229.87 V I = 0.1448 A P = 18.31 W PF = 0.5501

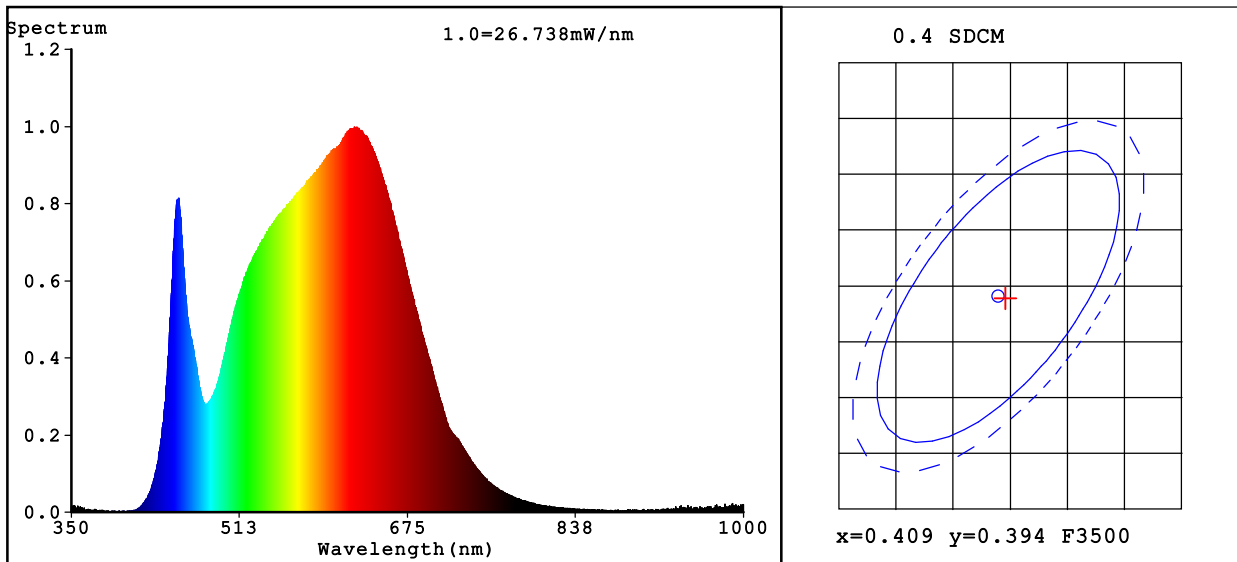
LEVEL:OUT WHITE:ANSI\_3000K

Status: Integral T = 19 ms Ip = 51294 (78%)

Model:66210  
 Tester:QC  
 Temperature:25.3Deg  
 Manufacturer:

Number:3000K  
 Date:2019-10-30 17:02  
 Humidity:65.0%  
 Remarks:

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4096$   $y=0.3938$   $u'=0.2372$   $v'=0.5132$   
 CCT=3433K (Duv=0.0004) Dominant WL:Ld =580.9nm Purity=41.1%  
 Ratio:R=21.8% G=75.0% B=3.3% Peak WL:Lp=623.8nm FWHM=180.3nm  
 Render Index:Ra=92.7  
 R1 =93 R2 =95 R3 =95 R4 =93 R5 =92 R6 =92 R7 =95  
 R8 =88 R9 =69 R10=86 R11=92 R12=72 R13=93 R14=96 R15=91

**Photo Parameters:**

Flux = 1493 lm Eff. : 86.65 lm/W Fe = 5.237 W

**Electrical parameters:**

V = 230.39 V I = 0.1364 A P = 17.23 W PF = 0.5482

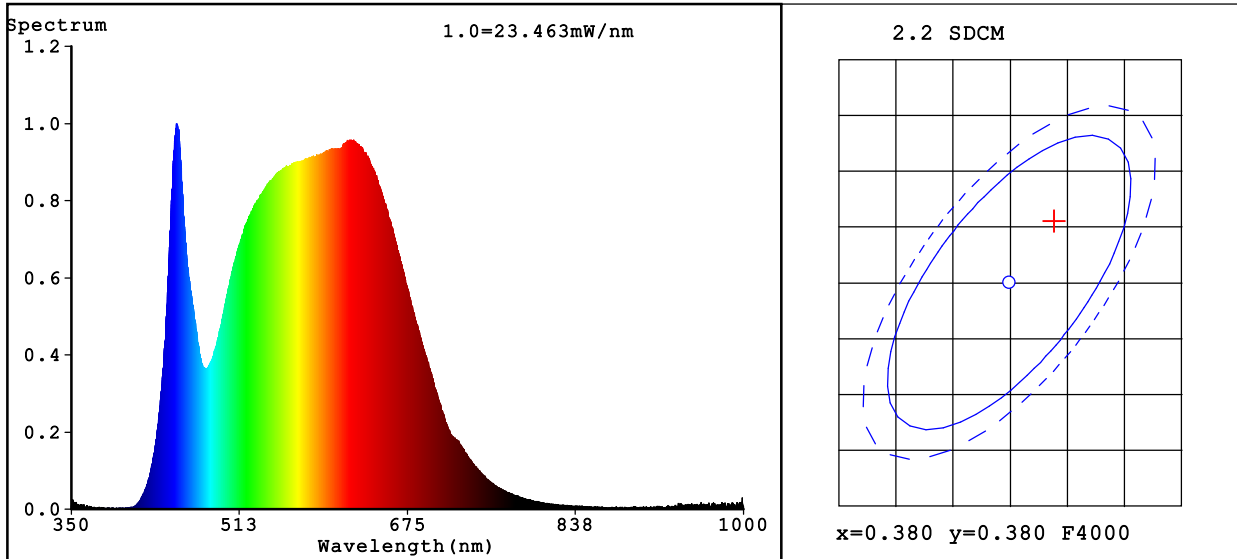
LEVEL:OUT WHITE:ANSI\_3500K

Status: Integral T = 19 ms Ip = 51397 (78%)

Model:66210  
 Tester:QC  
 Temperature:25.3Deg  
 Manufacturer:

Number:3500K  
 Date:2019-10-30 17:02  
 Humidity:65.0%  
 Remarks:

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3839$   $y=0.3855$  /  $u'=0.2239$   $v'=0.5059$   
 CCT=3972K (Duv=0.0030) Dominant WL:  $L_d = 577.7\text{nm}$  Purity=30.9%  
 Ratio: R=19.4% G=76.8% B=3.8% Peak WL:  $L_p = 451.7\text{nm}$  FWHM=27.1nm  
 Render Index:  $R_a = 91.5$   
 R1 =91 R2 =93 R3 =94 R4 =92 R5 =90 R6 =90 R7 =96  
 R8 =87 R9 =65 R10=83 R11=91 R12=68 R13=91 R14=96 R15=89

**Photo Parameters:**

Flux = 1424 lm Eff. : 78.86 lm/W Fe = 4.887 W

**Electrical parameters:**

V = 230.37 V I = 0.1428 A P = 18.06 W PF = 0.5490

LEVEL:OUT WHITE:ANSI\_4000K

Status: Integral T = 19 ms Ip = 48921 (75%)

Model:66210  
 Tester:QC  
 Temperature:25.3Deg  
 Manufacturer:

Number:4000K  
 Date:2019-10-30 17:03  
 Humidity:65.0%  
 Remarks: