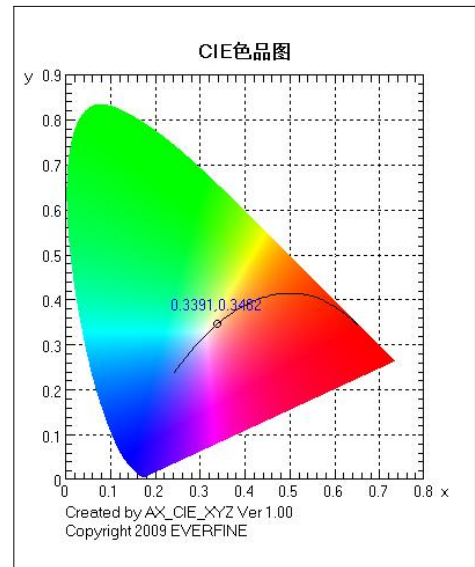
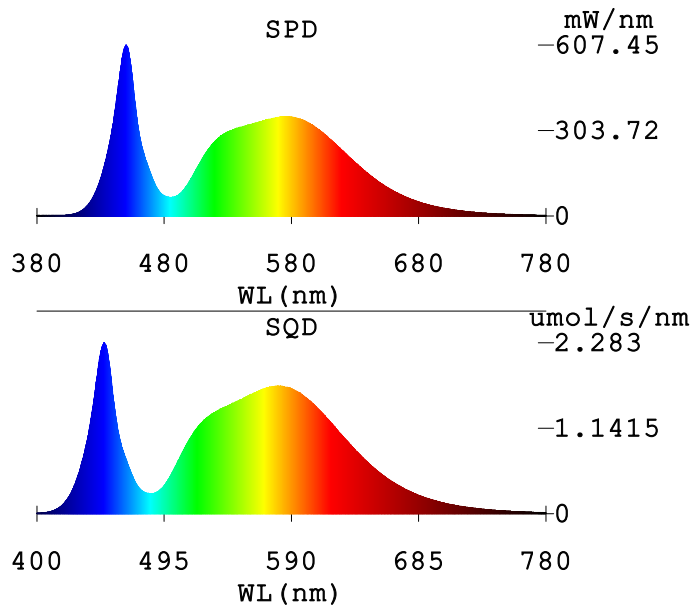


Spectrum Test Report



Plant Parameters:

Radiometry System:

 $\Phi_v(\text{lm})$: 20858

Color Parameters:

Chromaticity Coordinate: $x = 0.3391$ $y = 0.3482$ $u' = 0.2087$ $v' = 0.4821$

CCT = 5227K (Duv = 0.0008)

Dominant WL:Ld = 567.4nm

Purity = 6.2%

Ratio: R:G:B=14.0:82.7:3.4

Ra = 73.0

R1 = 70.6 R2 = 78.0 R3 = 82.7 R4 = 73.7 R5 = 71.8

R6 = 69.8 R7 = 80.9 R8 = 56.3 R9 = 0.0 R10 = 47.1

R11 = 71.0 R12 = 44.8 R13 = 71.6 R14 = 90.2 R15 = 65.0

Electric:U = 121.08 V I = 1.228 A P = 148.3 W PF = 0.9971 Eff = 140.6 lm/W

 $\lambda_p = 450.0\text{nm}$

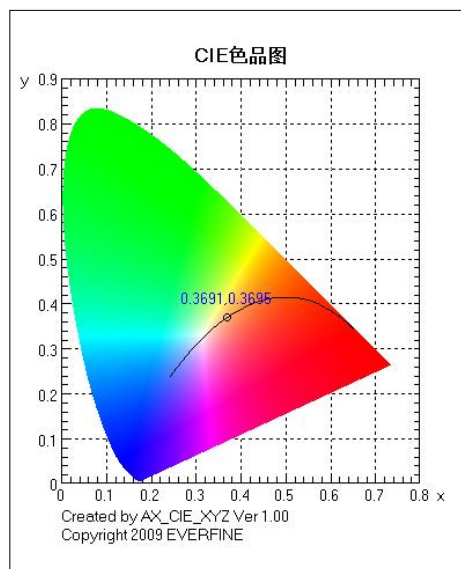
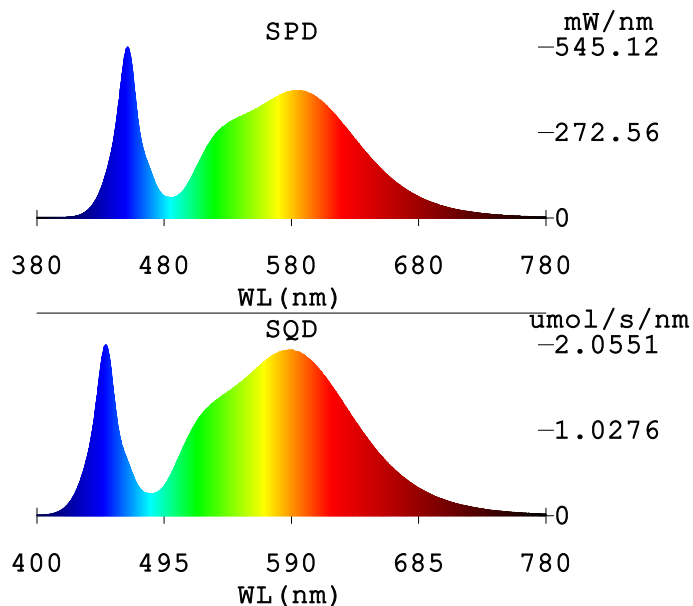
FWHM = 21.0nm

LEVEL: OUT

Status: Integral T = 75 ms

Ip = 33344 (51%)

Spectrum Test Report



Plant Parameters:

Radiometry System:

 $\Phi_v(\text{lm})$: 23013

Color Parameters:

Chromaticity Coordinate: $x = 0.3691$ $y = 0.3695$ $u' = 0.2205$ $v' = 0.4966$

CCT = 4277K (Duv = 0.0001)

Dominant WL:Ld = 577.9nm

Purity = 21.6%

Ratio: R:G:B=16.3:80.9:2.8

Ra = 74.1

R1 = 71.5 R2 = 80.8 R3 = 87.2 R4 = 73.0 R5 = 71.2

R6 = 72.3 R7 = 82.2 R8 = 54.8 R9 = 0.0 R10 = 53.5

R11 = 68.9 R12 = 43.0 R13 = 73.3 R14 = 92.7 R15 = 65.6

Electric:U = 121.09 V I = 1.178 A P = 142.2 W PF = 0.9969 Eff = 161.8 lm/W

 $\lambda_p = 451.4\text{nm}$

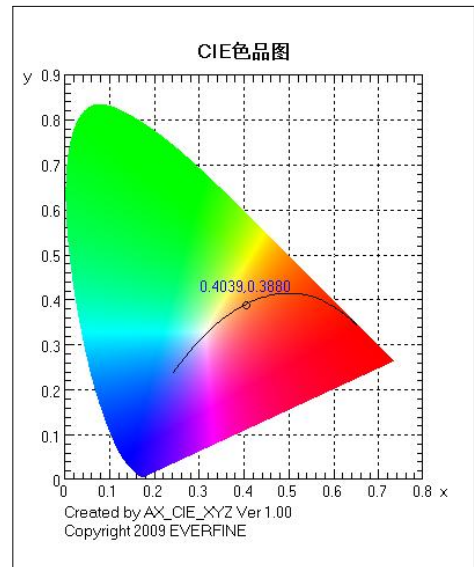
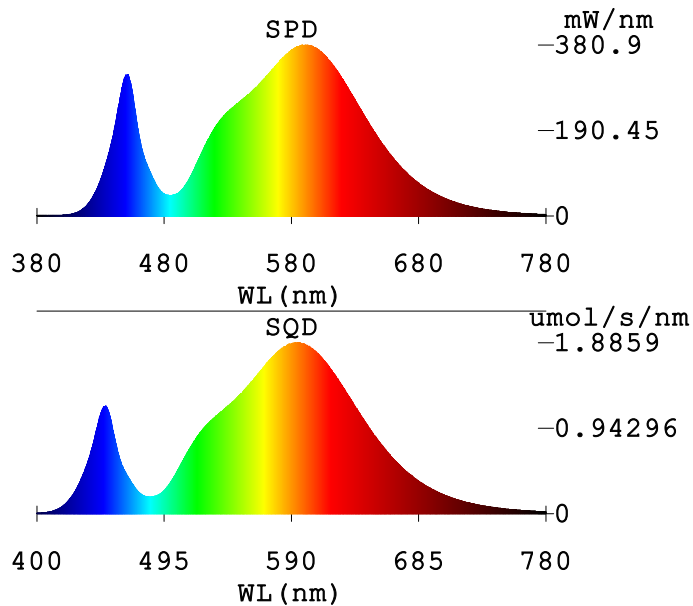
FWHM = 19.7nm

LEVEL: OUT

Status: Integral T = 75 ms

Ip = 37316 (57%)

Spectrum Test Report



Plant Parameters:

Radiometry System:

 $\Phi_v(\text{lm})$: 19922

Color Parameters:

Chromaticity Coordinate: $x = 0.4039$ $y = 0.3880$ $u' = 0.2359$ $v' = 0.5099$

CCT = 3509K (Duv = -0.0009)

Dominant WL:Ld = 581.2nm

Purity = 37.7%

Ratio: R:G:B=18.9:79.0:2.2

Ra = 73.3

R1 = 70.5 R2 = 81.4 R3 = 89.9 R4 = 71.0 R5 = 69.7

R6 = 73.5 R7 = 80.3 R8 = 50.2 R9 = 0.0 R10 = 55.7

R11 = 66.3 R12 = 47.0 R13 = 72.5 R14 = 94.1 R15 = 64.0

Electric:U = 121.08 V I = 1.231 A P = 148.6 W PF = 0.9972 Eff = 134.0 lm/W

 $\lambda_p = 588.3\text{nm}$

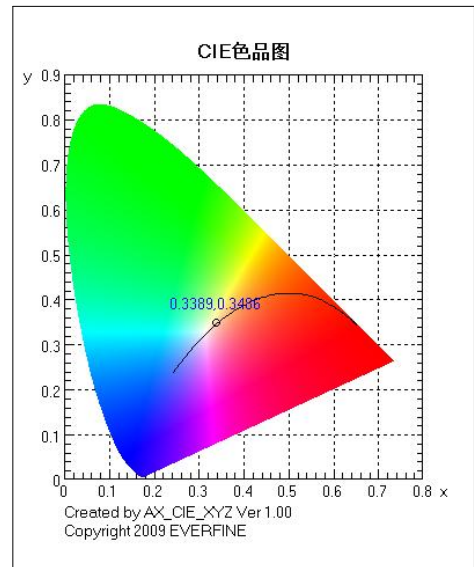
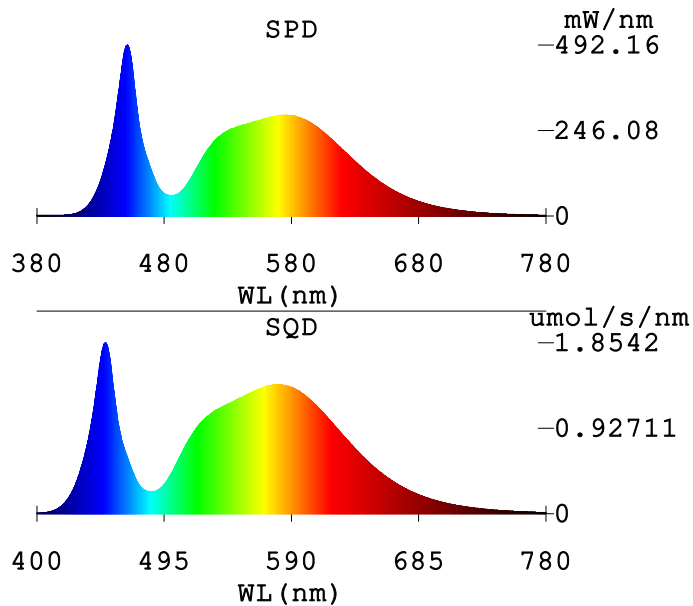
FWHM = 125.8nm

LEVEL: OUT

Status: Integral T = 75 ms

Ip = 34514 (53%)

Spectrum Test Report



Plant Parameters:

Radiometry System:

 $\Phi_v(\text{lm})$: 17191

Color Parameters:

Chromaticity Coordinate: $x = 0.3389$ $y = 0.3486$ $u' = 0.2083$ $v' = 0.4823$

CCT = 5233K (Duv = 0.0011)

Dominant WL:Ld = 566.8nm

Purity = 6.3%

Ratio: R:G:B=14.0:82.5:3.5

Ra = 73.4

R1 = 70.8 R2 = 78.7 R3 = 83.6 R4 = 73.7 R5 = 71.9

R6 = 70.6 R7 = 81.5 R8 = 56.4 R9 = 0.0 R10 = 48.6

R11 = 70.5 R12 = 45.1 R13 = 72.1 R14 = 90.7 R15 = 65.3

Electric:U = 121.11 V I = 0.9637 A P = 116.2 W PF = 0.9954 Eff = 148.0 lm/W

 $\lambda_p = 451.1\text{nm}$

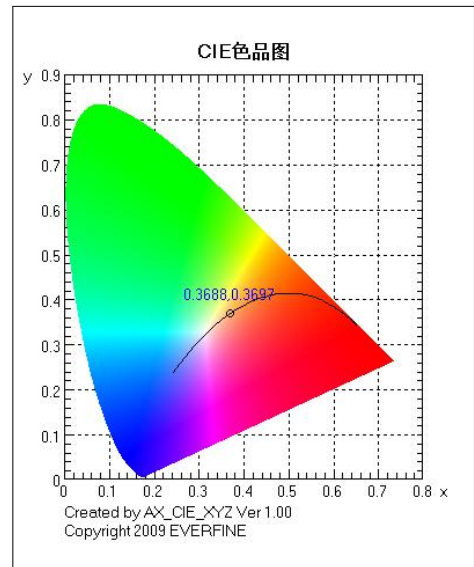
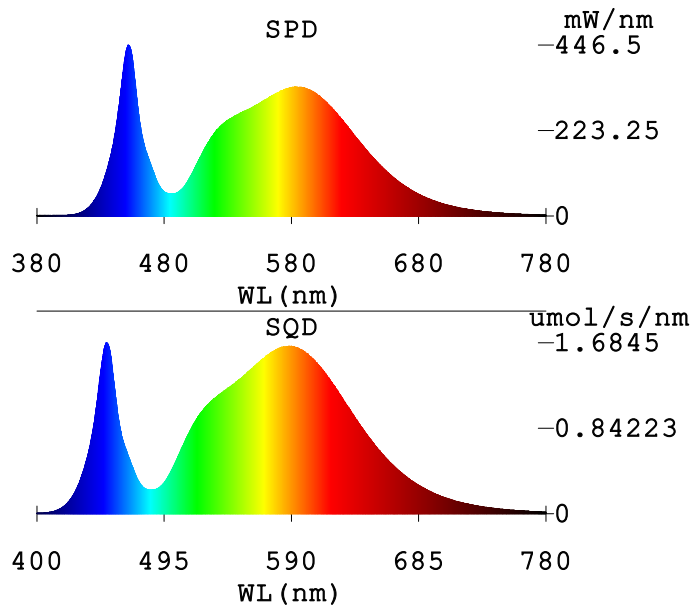
FWHM = 21.4nm

LEVEL: OUT

Status: Integral T = 151 ms

Ip = 54304 (83%)

Spectrum Test Report



Plant Parameters:

Radiometry System:

 $\Phi_v(\text{lm})$: 19104

Color Parameters:

Chromaticity Coordinate: $x = 0.3688$ $y = 0.3697$ $u' = 0.2202$ $v' = 0.4967$

CCT = 4285K (Duv = 0.0003)

Dominant WL:Ld = 577.7nm

Purity = 21.6%

Ratio: R:G:B=16.2:80.8:2.9

Ra = 74.4

R1 = 71.7 R2 = 81.3 R3 = 87.7 R4 = 72.8 R5 = 71.3

R6 = 72.9 R7 = 82.5 R8 = 54.9 R9 = 0.0 R10 = 54.5

R11 = 68.5 R12 = 43.1 R13 = 73.6 R14 = 93.0 R15 = 65.8

Electric:U = 121.11 V I = 0.9313 A P = 112.3 W PF = 0.9951 Eff = 170.2 lm/W

 $\lambda_p = 451.7\text{nm}$

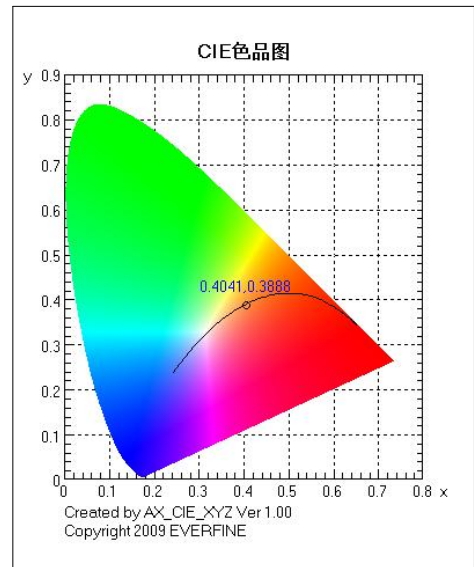
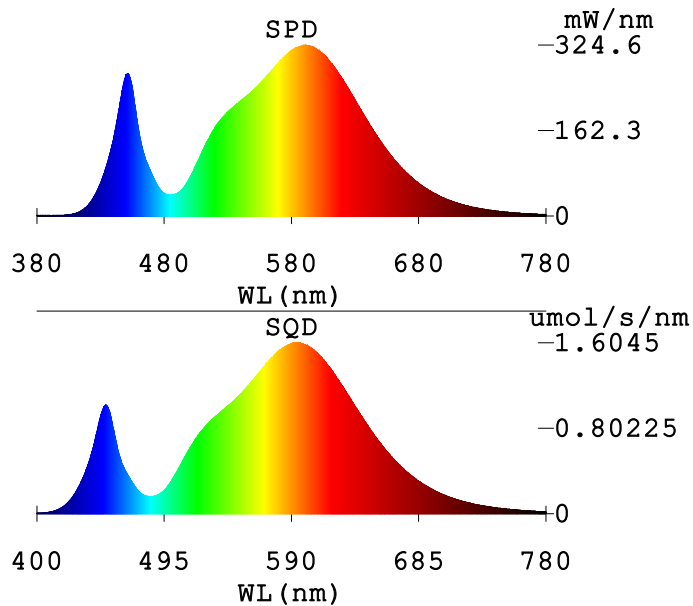
FWHM = 20.0nm

LEVEL: OUT

Status: Integral T = 134 ms

Ip = 53999 (82%)

Spectrum Test Report



Plant Parameters:

Radiometry System:

 $\Phi_v(\text{lm})$: 16969

Color Parameters:

Chromaticity Coordinate: $x = 0.4041$ $y = 0.3888$ $u' = 0.2357$ $v' = 0.5103$

CCT = 3512K (Duv = -0.0006)

Dominant WL:Ld = 581.1nm

Purity = 38.0%

Ratio: R:G:B=18.8:79.0:2.2

Ra = 73.5

R1 = 70.6 R2 = 81.6 R3 = 90.1 R4 = 71.1 R5 = 69.8

R6 = 73.8 R7 = 80.4 R8 = 50.3 R9 = 0.0 R10 = 56.1

R11 = 66.3 R12 = 46.7 R13 = 72.6 R14 = 94.2 R15 = 64.0

Electric:U = 121.11 V I = 0.9684 A P = 116.8 W PF = 0.9955 Eff = 145.3 lm/W

 $\lambda_p = 591.2\text{nm}$

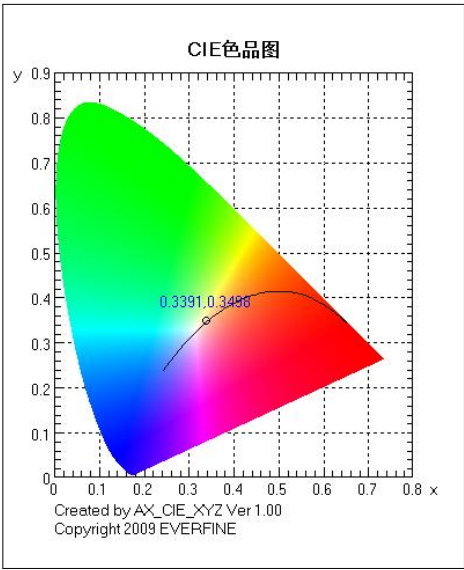
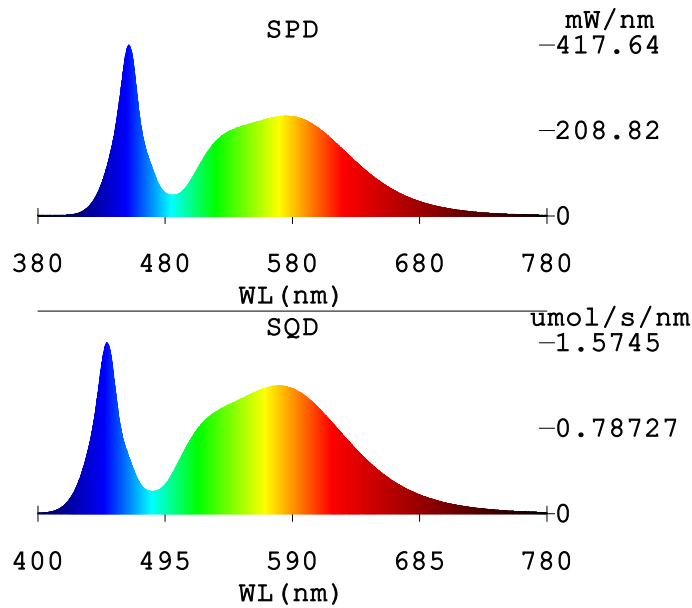
FWHM = 125.9nm

LEVEL: OUT

Status: Integral T = 134 ms

Ip = 51129 (78%)

Spectrum Test Report



Plant Parameters:

Radiometry System:

Φv(lm): 14461

Color Parameters:

Chromaticity Coordinate: x = 0.3391 y = 0.3498 u' = 0.2081 v' = 0.4829

CCT = 5230K(Duv = 0.0016)

Dominant WL:Ld = 566.5nm

Purity = 6.7%

Ratio: R:G:B=14.0:82.5:3.5

Ra = 73.5

R1 = 70.7 R2 = 79.0 R3 = 84.1 R4 = 73.5 R5 = 71.8

R6 = 70.9 R7 = 81.7 R8 = 56.2 R9 = 0.0 R10 = 49.2

R11 = 70.1 R12 = 44.6 R13 = 72.2 R14 = 91.0 R15 = 65.2

Electric:U = 121.14 V I = 0.7586 A P = 91.23 W PF = 0.9927 Eff = 158.5 lm/W

λp = 451.4nm

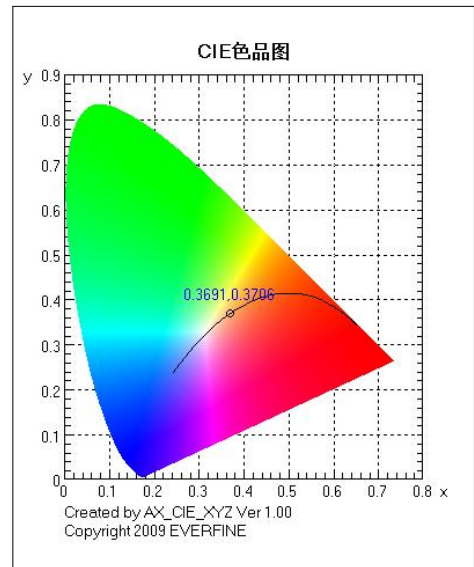
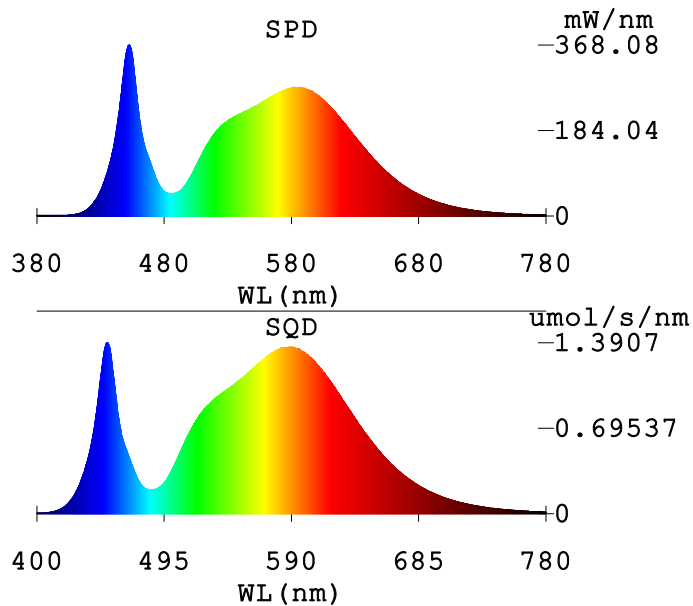
FWHM = 20.9nm

LEVEL: OUT

Status: Integral T = 134 ms

Ip = 39884 (61%)

Spectrum Test Report



Plant Parameters:

Radiometry System:

 $\Phi_v(\text{lm})$: 15696

Color Parameters:

Chromaticity Coordinate: $x = 0.3691$ $y = 0.3706$ $u' = 0.2201$ $v' = 0.4972$

CCT = 4282K (Duv = 0.0006)

Dominant WL:Ld = 577.5nm

Purity = 22.0%

Ratio: R:G:B=16.2:80.8:3.0

Ra = 74.4

R1 = 71.6 R2 = 81.5 R3 = 88.1 R4 = 72.6 R5 = 71.2

R6 = 73.1 R7 = 82.5 R8 = 54.7 R9 = 0.0 R10 = 54.9

R11 = 68.3 R12 = 42.8 R13 = 73.7 R14 = 93.2 R15 = 65.6

Electric:U = 121.14 V I = 0.7381 A P = 88.73 W PF = 0.9923 Eff = 176.9 lm/W

 $\lambda_p = 452.4\text{nm}$

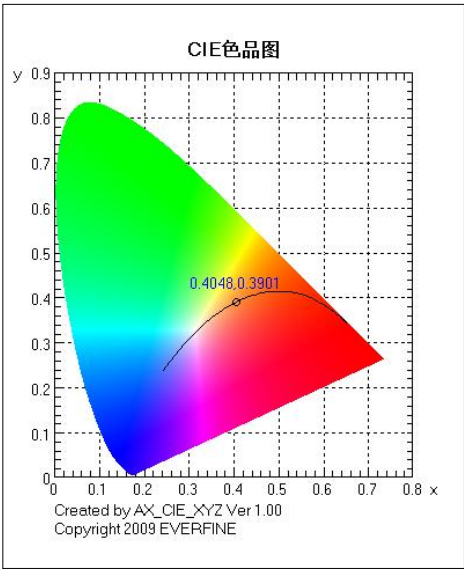
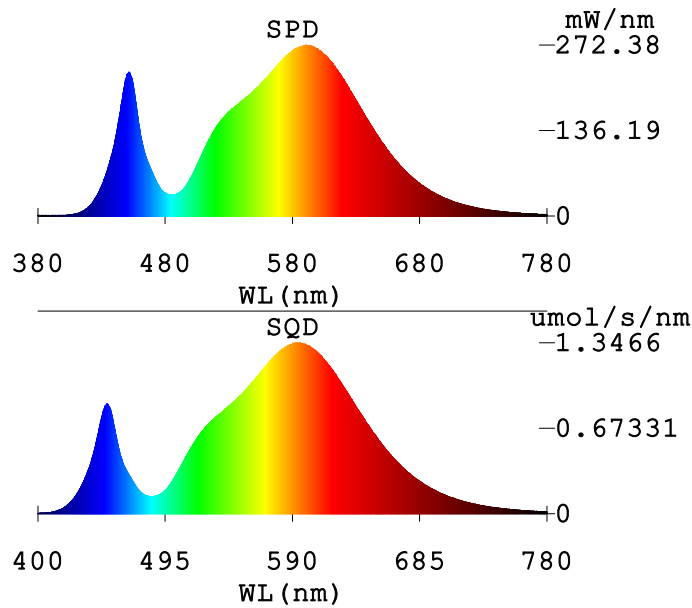
FWHM = 19.6nm

LEVEL: OUT

Status: Integral T = 134 ms

Ip = 43968 (67%)

Spectrum Test Report



Plant Parameters:

Radiometry System:

$\Phi_v(lm)$: 14220

Color Parameters:

Chromaticity Coordinate: $x = 0.4048$ $y = 0.3901$ $u' = 0.2356$ $v' = 0.5109$

CCT = 3506K(Duv = -0.0002)

Dominant WL:Ld = 580.9nm

Purity = 38.6%

Ratio: R:G:B=18.8:79.0:2.2

Ra = 73.5

R1 = 70.6 R2 = 81.7 R3 = 90.3 R4 = 71.0 R5 = 69.7

R6 = 73.8 R7 = 80.5 R8 = 50.2 R9 = 0.0 R10 = 56.3

R11 = 66.2 R12 = 46.2 R13 = 72.7 R14 = 94.4 R15 = 63.9

Electric:U = 121.14 V I = 0.7639 A P = 91.87 W PF = 0.9928 Eff = 154.8 lm/W

$\lambda_p = 590.3nm$

FWHM = 125.9nm

LEVEL: OUT

Status: Integral T = 134 ms

Ip = 42447 (65%)