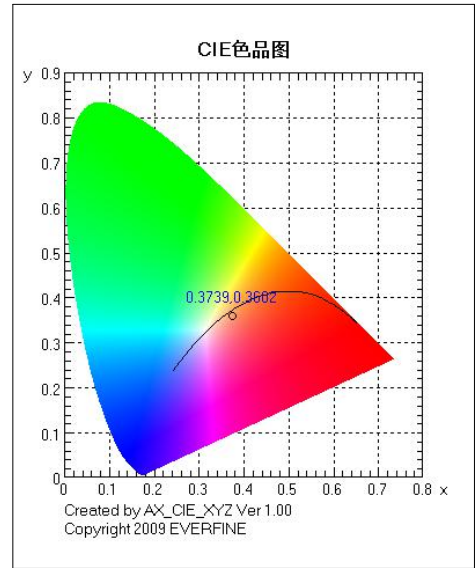
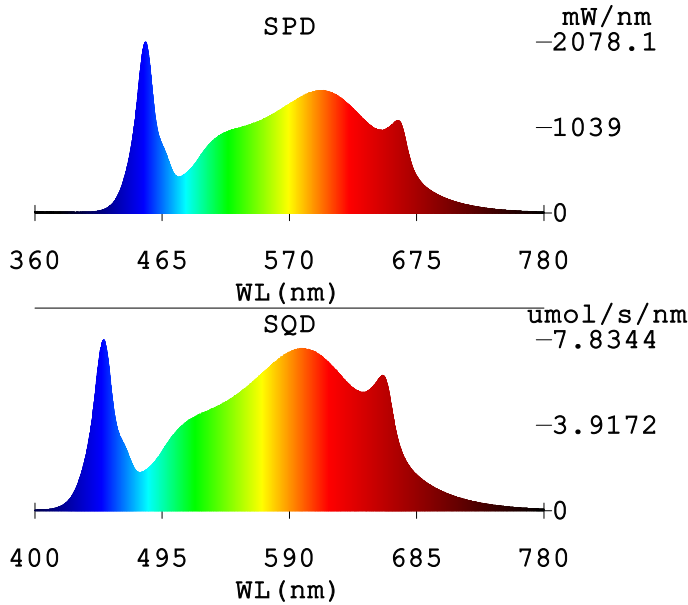


Spectrum Test Report



Plant Parameters:

Radiometry System:

| | |
|--------------------------------|------------------------------|
| $\Phi_v(lm)$: 85685 | $Q_v(lm.s)$: 8568523 |
| $\Phi_{e,\lambda}(W)$: 0.5321 | $Q_e(J)$: 27155 |
| $\Phi_e(W)$: 271.5 | η_b : 0.5693 |
| η_{uv} : 0.0009737 | η_e : 0.5587 |
| η_{fr} : 0.009734 | Φ_{rb_Ratio} : 0.01222 |
| $\Phi_{e,b}(W)$: 276.7 | $\Phi_{e,uv}(W)$: 0.4732 |
| $\Phi_{e,fr}(W)$: 4.731 | $\Phi_r(W)$: 276.4 |
| $\Phi_{ch-A}(W)$: 40.13 | $Q_{ch-A}(J)$: 4013 |
| $\Phi_{ch-B}(W)$: 58.17 | $Q_{ch-B}(J)$: 5817 |
| $\Phi_{b-p}(W)$: 117.6 | $Q_{b-p}(J)$: 11766 |
| $\Phi_{y-g}(W)$: 90.91 | $Q_{y-g}(J)$: 9091 |
| $\Phi_{r-o}(W)$: 1.438 | $Q_{r-o}(J)$: 143.8 |

Quantum System:

| | |
|-------------------------------|-------------------------------|
| PPF(umol/s): 1271 | PPF(400-500) (umol/s): 242.5 |
| PPF(500-600) (umol/s): 545.5 | PPF(600-700) (umol/s): 484 |
| Numol(umol): 127117 | PPE(umol/s/W): 2.615 |
| KFr(umol/s/W): 0.05887 | $\Phi_{p,uv}(umol/s)$: 4.731 |
| $\Phi_{p,fr}(umol/s)$: 28.61 | |

Color Parameters:

Chromaticity Coordinate: $x = 0.3739$ $y = 0.3602$ $u' = 0.2275$ $v' = 0.4931$
 CCT = 4062K(Duv = -0.0060) Dominant WL:Ld = 583.2nm
 Purity = 20.3% Ratio: R:G:B=19.1:76.9:4.0

Ra = 88.2

R1 = 88.1 R2 = 93.2 R3 = 95.2 R4 = 87.7 R5 = 88.4

R6 = 89.0 R7 = 88.4 R8 = 75.3 R9 = 38.8 R10 = 83.5

R11 = 87.9 R12 = 70.1 R13 = 89.7 R14 = 97.6 R15 = 85.1

Electric:U = 220.01 V I = 2.262 A P = 486.0 W PF = 0.9765 Eff = 176.3 lm/W

$\lambda_p = 451.4nm$

FWHM = 18.9nm

LEVEL: OUT

WHITE: OUT

Status: Integral T = 19 ms

$I_p = 52154$ (80%)