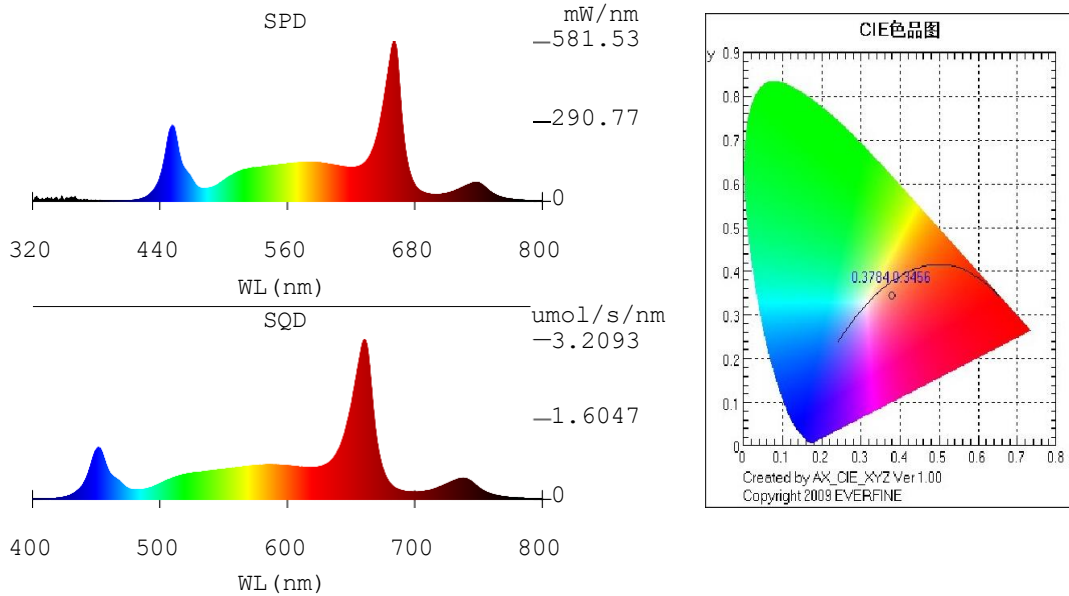


Spectrum Test Report



Plant Parameters:

Φ_v (lm): 9484	Q_v (lm.s): 9484
$\Phi_{e,\lambda}$ (W/nm): 41.42	Q_e (J): 41.42
Φ_e (W): 38.44	η_b : 0.5131
η_{uv} : 0.002894	η_e : 0.4762
η_{fr} : 0.03406	PPE (umol/s/W): 2.313
KFr (umol/s/W): 0.209	Φ_{rb_Ratio} : 0.2019
$\Phi_{e,b}$ (W): 41.42	$\Phi_{e,uv}$ (W): 0.2336
$\Phi_{e,fr}$ (W): 2.749	PPF (umol/s): 186.7
PPF (400-500) (umol/s): 28.21	PPF (500-600) (umol/s): 57.84
PPF (600-700) (umol/s): 100.7	Numol (umol): 186.7
$\Phi_{p,uv}$ (umol/s): 2.749	$\Phi_{p,fr}$ (umol/s): 16.87
Φ_r (W): 41.16	Φ_{ch-A} (W): 9.981
Q_{ch-A} (J): 9.981	Φ_{ch-B} (W): 8.171
Q_{ch-B} (J): 8.171	Φ_{b-p} (W): 12.51
Q_{b-p} (J): 12.51	Φ_{y-g} (W): 18.59
Q_{y-g} (J): 18.59	Φ_{r-o} (W): 2.526
Q_{r-o} (J): 2.526	

Color Parameters:

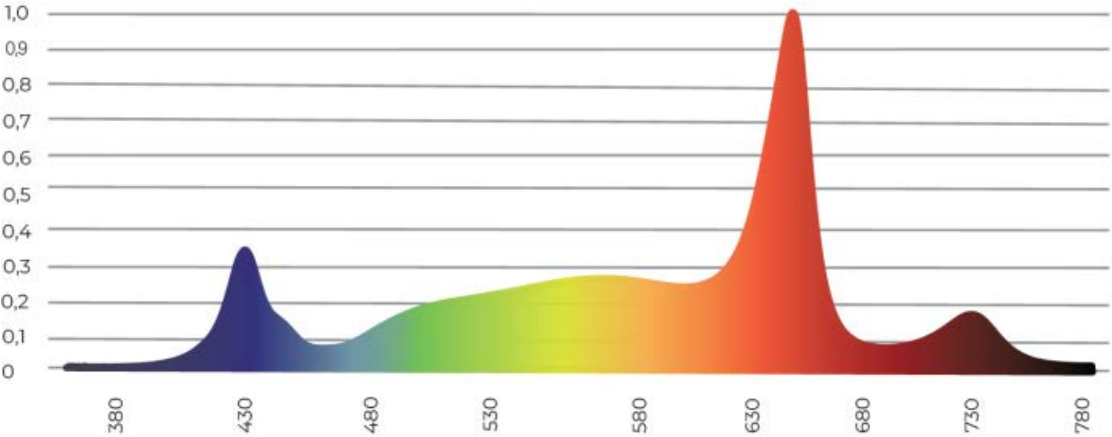
Chromaticity Coordinate: $x=0.3784$ $y=0.3456$ $u'=0.2369$ $v'=0.4867$
 CCT=3796K (Duv=-0.0147) Dominant WL:Ld=593.5nm Purity=17.2%
 Ratio: R:G:B=21.7:74.4:3.9 Peak WL:Lp=660.4nm FWHM=20.6nm
 Ra=87.8 R1=90.3 R2=96.2 R3=86.7 R4=88.7 R5=91.7
 R6=93.6 R7=87.2 R8=67.6 R9=23.0 R10=94.1
 R11=87.0 R12=78.5 R13=91.6 R14=91.7 R15=77.8
 Electric: U = 229.95 V I = 0.3635 A P = 80.72 W PF = 0.9655 Eff = 117.5 lm/W
 LEVEL:OUT WHITE:OUT Status: Integral T = 2000 ms Ip = 49315 (75%)

Model: Eridan RV Growth 80W
 Tester:
 Temperature: 51.6Deg
 Manufacturer:

Number: 1
 Date: 2026-01-17 09:35:14
 Humidity: 51.0%
 Remarks:

SPECTRUM RESEARCH

S1 It's an efficient white grow light with additional far-red for boosting and accelerating vegetative growth with 30% increase in biomass compared to the competitors.



UV	B	G	R	FR	PAR
0%	14%	30%	49%	8%	92%
CCT	CRI	B:G	B:R	R:FR	R:sFRs
3700	90	0.5	0.3	6.5	6