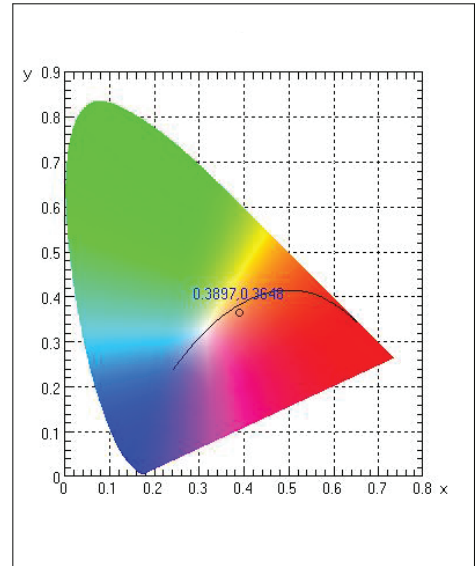
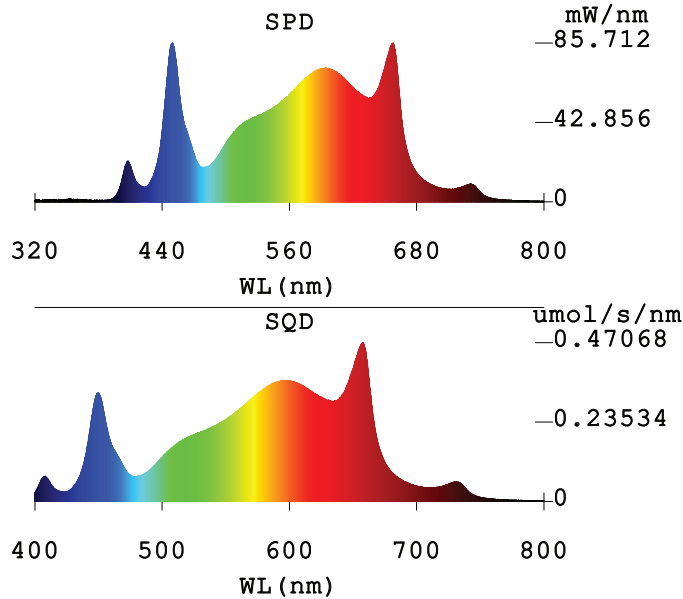


Spectrum Test Report



Plant Parameters:

$\Phi_v(1m)$: 4032	$Q_v(1m.s)$: 4032
$\Phi_{e,\lambda}(W/nm)$: 13.73	$Q_e(J)$: 13.73
$\Phi_e(W)$: 13.27	η_b : 0.5401
η_{uv} : 0.003726	η_e : 0.5217
η_{fr} : 0.01469	$PPE(umol/s/W)$: 2.458
$KFr(umol/s/W)$: 0.08927	Φ_{rb_Ratio} : 0.3052
$\Phi_{e,b}(W)$: 13.73	$\Phi_{e,uv}(W)$: 0.09477
$\Phi_{e,fr}(W)$: 0.3736	$PPF(umol/s)$: 62.54
$PPF(400-500)(umol/s)$: 11.13	$PPF(500-600)(umol/s)$: 25.36
$PPF(600-700)(umol/s)$: 26.09	$Numol(umol)$: 62.54
$\Phi_{p,uv}(umol/s)$: 0.3736	$\Phi_{p,fr}(umol/s)$: 2.27
$\Phi_r(W)$: 13.67	$\Phi_{ch-A}(W)$: 2.297
$Q_{ch-A}(J)$: 2.297	$\Phi_{ch-B}(W)$: 2.734
$Q_{ch-B}(J)$: 2.734	$\Phi_{b-p}(W)$: 5.456
$Q_{b-p}(J)$: 5.456	$\Phi_{y-g}(W)$: 4.889
$Q_{y-g}(J)$: 4.889	$\Phi_{r-o}(W)$: 1.665
$Q_{r-o}(J)$: 1.665	

Color Parameters:

Chromaticity Coordinate: $x=0.3897$ $y=0.3648$ $u'=0.2362$ $v'=0.4976$
 CCT=3653K(Duv=-0.0082) Dominant WL:Ld=585.3nm Purity=26.4%
 Ratio: R:G:B=20.4:76.2:3.5 Peak WL:Lp=449.8nm FWHM=19.8nm
 Ra=88.6 R1=88.3 R2=93.0 R3=94.6 R4=87.2 R5=88.8
 R6=89.0 R7=88.8 R8=78.9 R9=51.4 R10=83.4
 R11=87.1 R12=75.0 R13=89.4 R14=97.0 R15=87.0
 Electric:U = 219.80 V I = 0.1325 A P = 25.43 W PF = 0.8731 Eff = 158.5 lm/W
 LEVEL:OUT WHITE:OUT Status: Integral T = 321 ms Ip = 51426 (78%)