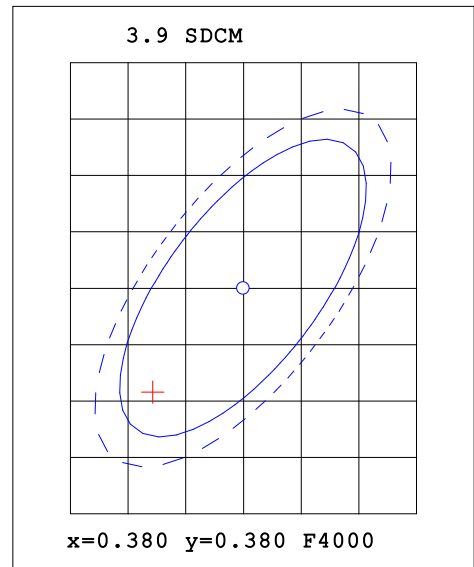
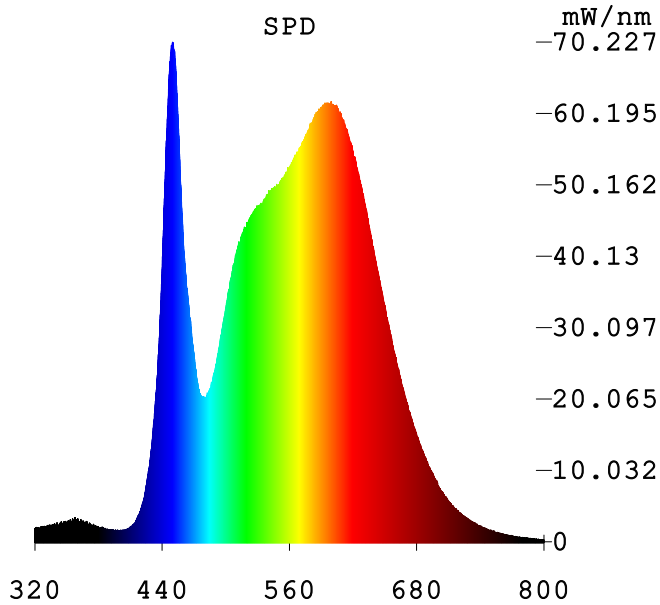


Spectrum Test Report



Plant Parameters

Radiometry System:

 $\Phi_v(\text{lm})$: 2888 $\Phi_{e,\lambda}(\text{W})$: 0.0222 $\Phi_e(\text{W})$: 11.54 η_{uv} : 0.006769 η_{fr} : 0.008753 $\Phi_{e,b}(\text{W})$: 11.54 $\Phi_{e,fr}(\text{W})$: 0.2471 $\Phi_{ch-A}(\text{W})$: 1.478 $\Phi_{ch-B}(\text{W})$: 2.262 $\Phi_{b-p}(\text{W})$: 5.07 $\Phi_{y-g}(\text{W})$: 3.439 $\Phi_{r-o}(\text{W})$: 1.323

Quantum System:

PPF($\mu\text{mol/s}$): 51.69Numol(μmol): 51.69KFr($\mu\text{mol/s/W}$): 0.05324 $Q_v(\text{lm}\cdot\text{s})$: 3650 $Q_e(\text{J})$: 11.1 η_b : 0.4088 η_e : 0.3933 Φ_{rb_Ratio} : 0.2611 $\Phi_{e,uv}(\text{W})$: 0.1911 $\Phi_r(\text{W})$: 11.38 $Q_{ch-A}(\text{J})$: 1.478 $Q_{ch-B}(\text{J})$: 2.262 $Q_{b-p}(\text{J})$: 5.07 $Q_{y-g}(\text{J})$: 3.439 $Q_{r-o}(\text{J})$: 1.323

R/FR: 5.356

PPE($\mu\text{mol/s/W}$): 1.83

Color Parameters:

Chromaticity Coordinate: $x = 0.3721$ $y = 0.3708$

CCT = 4193K (Duv = -0.0003)

Purity = 22.9%

R1 = 85.3 R2 = 90.8 R3 = 94.8 R4 = 86.4 R5 = 85.4

R6 = 87.4 R7 = 88.2 R8 = 70.3 R9 = 21.7 R10 = 78.0

R11 = 86.5 R12 = 67.8 R13 = 86.7 R14 = 97.2 R15 = 79.7

Electric: U = 230.04 V I = 0.2075 A P = 28.24 W PF = 0.5915

Eff = 102.3 lm/W Kdisp = 0.9351

 λ_p = 449.7nm

Status: Integral T = 222 ms

Dominant WL:Ld = 578.5nm

Ra = 86.1

FWHM = 24.8nm

Ip = 46241 (71%)

Model:LLR30WSMDWCCT 4000K

Tester:

Temperature:25.2Deg

Manufacturer:

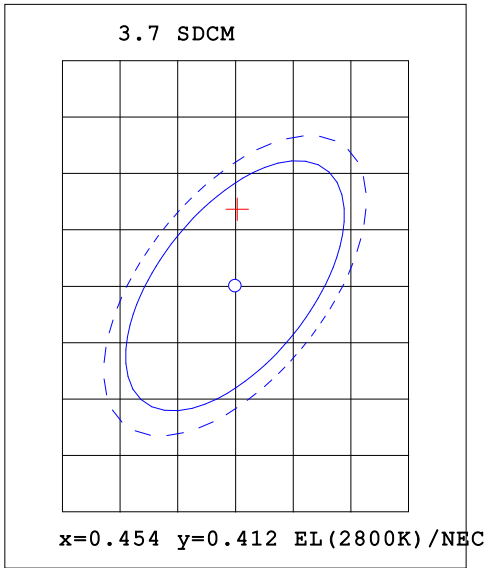
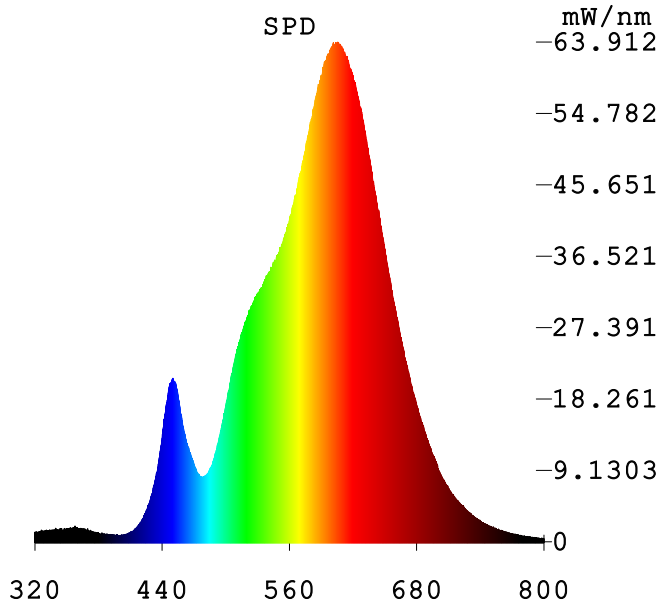
Number:1

Date:2025-06-26 11:02:22

Humidity:40.0%

Remarks:

Spectrum Test Report



Plant Parameters

Radiometry System:

$\Phi_v(lm)$: 3019	$Q_v(lm.s)$: 3019
$\Phi_{e,\lambda}(W)$: 0.01758	$Q_e(J)$: 8.739
$\Phi_e(W)$: 9.146	η_b : 0.3105
η_{uv} : 0.003844	η_e : 0.2967
η_{fr} : 0.009999	Φ_{rb_Ratio} : 0.9792
$\Phi_{e,b}(W)$: 9.146	$\Phi_{e,uv}(W)$: 0.1132
$\Phi_{e,fr}(W)$: 0.2944	$\Phi_r(W)$: 9.04
$\Phi_{ch-A}(W)$: 1.346	$Q_{ch-A}(J)$: 1.346
$\Phi_{ch-B}(W)$: 1.353	$Q_{ch-B}(J)$: 1.353
$\Phi_{b-p}(W)$: 3.977	$Q_{b-p}(J)$: 3.977
$\Phi_{y-g}(W)$: 3.788	$Q_{y-g}(J)$: 3.788
$\Phi_{r-o}(W)$: 3.895	$Q_{r-o}(J)$: 3.895

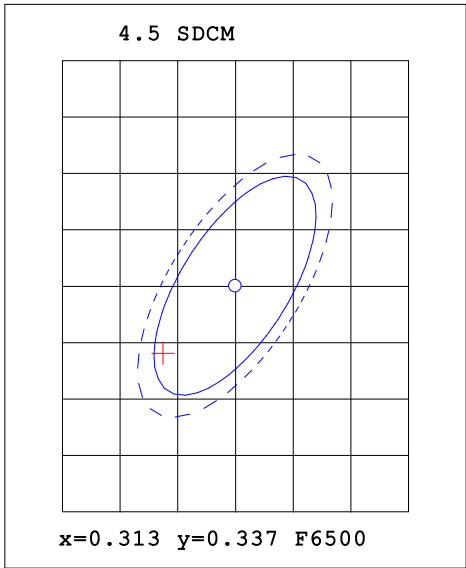
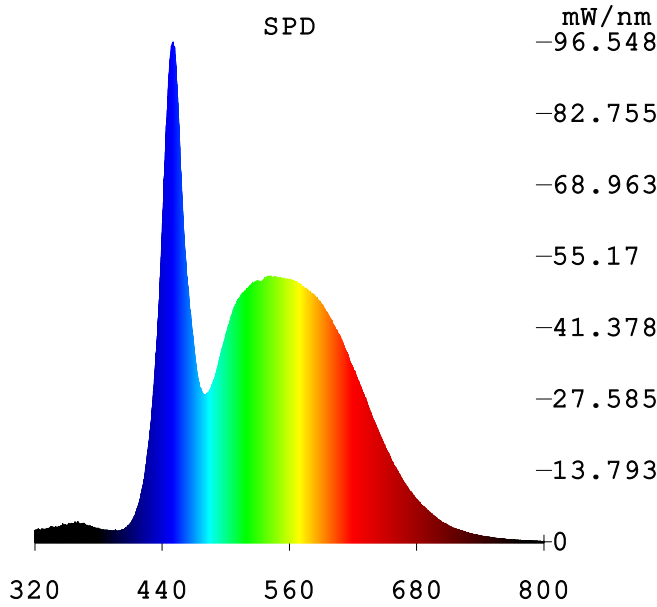
Quantum System:

PPF($\mu mol/s$): 42.45	R/FR: 13.22
Numol(μmol): 42.45	PPE($\mu mol/s/W$): 1.441
KFr($\mu mol/s/W$): 0.06083	

Color Parameters:

Chromaticity Coordinate: x = 0.4542	y = 0.4188
CCT = 2845K(Duv = 0.0036)	Dominant WL:Ld = 582.4nm
Purity = 62.0%	Ra = 82.0
R1 = 79.7 R2 = 88.7 R3 = 97.7 R4 = 81.4 R5 = 79.5	
R6 = 86.9 R7 = 84.0 R8 = 57.9 R9 = 2.8 R10 = 74.6	
R11 = 81.1 R12 = 68.9 R13 = 81.6 R14 = 98.6 R15 = 71.1	
Electric:U = 230.03 V I = 0.2160 A P = 29.45 W PF = 0.5928	
Eff = 102.5 lm/W Kdisp = 0.9317	
λ_p = 605.5nm	FWHM = 126.0nm
Status: Integral T = 222 ms	Ip = 46320 (71%)

Spectrum Test Report



Plant Parameters

Radiometry System:

$\Phi_v(lm)$: 3315
 $\Phi_{e,\lambda}(W)$: 0.02118
 $\Phi_e(W)$: 11.01
 η_{uv} : 0.007827
 η_{fr} : 0.004773
 $\Phi_{e,b}(W)$: 11.01
 $\Phi_{e,fr}(W)$: 0.1406
 $\Phi_{ch-A}(W)$: 1.284
 $\Phi_{ch-B}(W)$: 2.604
 $\Phi_{b-p}(W)$: 4.84
 $\Phi_{y-g}(W)$: 2.064
 $\Phi_{r-o}(W)$: 0.5524
 Quantum System:
 PPF($\mu mol/s$): 47.45
 Numol(μmol): 47.45
 KFr($\mu mol/s/W$): 0.02905

$Q_v(lm.s)$: 3315
 $Q_e(J)$: 10.64
 η_b : 0.3736
 η_e : 0.361
 Φ_{rb_Ratio} : 0.1141
 $\Phi_{e,uv}(W)$: 0.2307
 $\Phi_r(W)$: 10.82
 $Q_{ch-A}(J)$: 1.284
 $Q_{ch-B}(J)$: 2.604
 $Q_{b-p}(J)$: 4.84
 $Q_{y-g}(J)$: 2.064
 $Q_{r-o}(J)$: 0.5524
 R/FR: 3.926
 PPE($\mu mol/s/W$): 1.61

Color Parameters:

Chromaticity Coordinate: $x = 0.3067$ $y = 0.3310$
 CCT = 6814K(Duv = 0.0072) Dominant WL:Ld = 490.6nm
 Purity = 9.2% Ra = 82.5
 $R_1 = 79.3$ $R_2 = 86.1$ $R_3 = 91.1$ $R_4 = 82.4$ $R_5 = 81.2$
 $R_6 = 82.1$ $R_7 = 88.5$ $R_8 = 69.0$ $R_9 = 0.7$ $R_{10} = 67.5$
 $R_{11} = 81.5$ $R_{12} = 62.2$ $R_{13} = 81.0$ $R_{14} = 95.3$ $R_{15} = 73.8$
 Electric:U = 230.05 V I = 0.2165 A P = 29.47 W PF = 0.5919
 Eff = 112.5 lm/W Kdisp = 0.9317
 $\lambda_p = 450.3nm$ FWHM = 27.2nm
 Status: Integral T = 222 ms $I_p = 44558$ (68%)