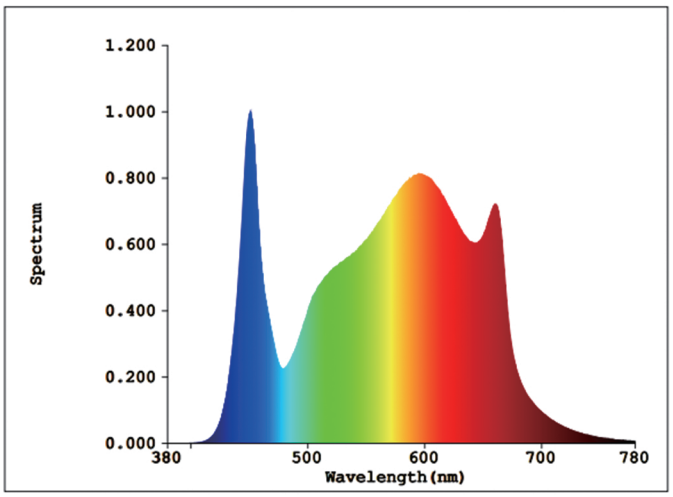
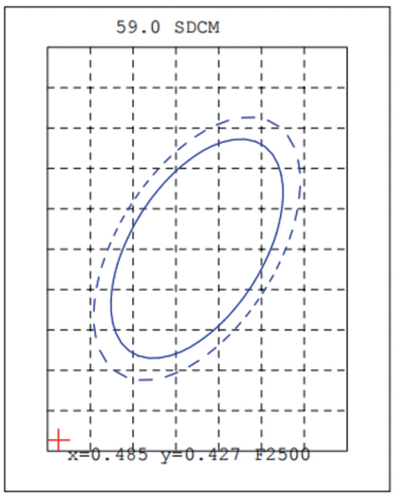
Plant optics Test Report





Colorimetric Parameters:

Chromaticity Coordinate:x=0.3830 y=0.3650/u'=0.2317 v'=0.4967(duv=-6.35e-03)

Tc=3835K Dominant WL:Ld=583.0nm Purity=24.5% Centroid WL:575.0nm
Ratio:R=19.8% G=76.4% B=3.7% Peak WL:Lp=451.0nm HWL:20.6nm
Render Index:Ra=88.7 AvgR=84.9

R1 =89	R2 =93	R3 =95	R4 =88	R5 =89	R6 =89	R7 =89	
R8 =77	R9 =45	R10=84	R11=88	R12=73	R13=90	R14=98	R15=86

Photometric Parameters:

Flux: 16797 lm Fe: 50.568 W Efficacy:151.6 lm/W

Electrical Parameters:

Lamp : U=109.8V I=1.011A P=110.8W PF=0.9988 Freq=60.01Hz Kdisp=0

Product Type:AOE-QFS-211
Number:110V
Temperature:25.3 deg
Test Operator:DAMIN
Software:V3.00.101
Remarks:---

Manufacturer:
Test Department:
Humidity:65.0%
Test Date:2021-09-24 09:44:09
Instrument:PMS-2000 (SN:M181843CM1401116)

Plant Parameters:

Flux(lm): 15471	Qv(lm.s): 15471
Spectral radiance(W/nm): 50.57	Qe(J): 50.57
Flux(W): 49.54	Far-red flux(W): 0.8679
Efficiency: 0.4471	Effi-fr: 0.007833
Kp(PPE)(umol/J): 2.609	Kfr: 0.04737
Erb_Ratio: 1.672	Flux_b(W): 50.41
Flux_UV(W): 0.0002512	Flux_fr(W): 0.8679
PPF.t(umol): 289.1	Kp(umol/s/W): 2.609
Photon flux_fr(umol/s): 5.249	Flux(400-700)(W): 49.54
Flux(380-780)(W): 50.41	Flux_ch-A(W): 7.943
Flux_ch-A.t(J): 7.943	Flux_ch-B(W): 10.22
Flux_ch-B.t(J): 10.22	Flux b(W): 10.65
Flux b.t(J): 10.65	Flux y(W): 21.07
Flux y.t(J): 21.07	Flux r(W) : 17.81
Flux r.t(J): 17.81	
PPF(400-700)(umol/s): 289.1	PPF(400-500)(umol/s): 50.6
PPF(500-600)(umol/s): 121.1	PPF(600-700)(umol/s): 117.6
PPF(200-800)(umol/s): --	PPF(280-800)(umol/s): --

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