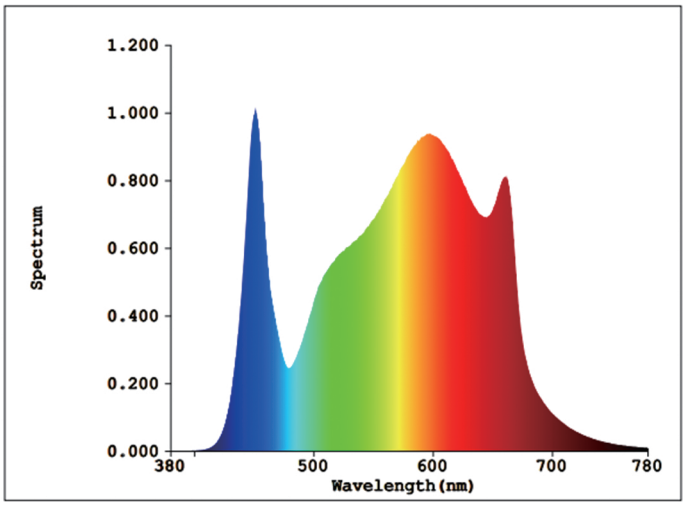
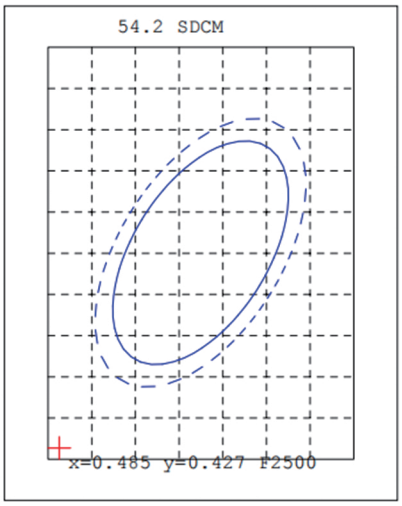
Plant optics Test Report





Colorimetric Parameters:

Chromaticity Coordinate:x=0.3915 y=0.3720/u'=0.2344 v'=0.5011(duv=-5.27e-03)

Tc=3669K Dominant WL:Ld=583.0nm Purity=29.1% Centroid WL:578.0nm

Ratio:R=20.3% G=76.2% B=3.5% Peak WL:Lp=451.0nm HWL:21.7nm

Render Index:Ra=88.1 AvgR=84.1

R1 =88	R2 =93	R3 =96	R4 =87	R5 =88	R6 =90	R7 =88	
R8 =75	R9 =40	R10=84	R11=87	R12=73	R13=89	R14=98	R15=84

Photometric Parameters:

Flux: 32711 lm Fe: 102.30 W Efficacy:153.5 lm/W

Electrical Parameters:

Lamp : U=109.7V I=1.947A P=213.1W PF=0.9982 Freq=60.01Hz Kdisp=0

Product Type:AOE-QFS-212
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 09:53:12
Instrument:PMS-2000 (SN:M181843CM1401116)

Plant Parameters:

Flux(lm): 32711	Qv(lm.s): 32711
Spectral radiance(W/nm): 102.3	Qe(J): 102.3
Flux(W): 100.1	Far-red flux(W): 1.851
Efficiency: 0.4699	Effi-fr: 0.008686
Kp(PPE)(umol/J): 2.61	Kfr: 0.05257
Erb_Ratio: 1.827	Flux_b(W): 101.9
Flux_UV(W): 0.001039	Flux_fr(W): 1.851
PPF.t(umol): 474.3	Kp(umol/s/W): 2.61
Photon flux_fr(umol/s): 11.2	Flux(400-700)(W): 100.1
Flux(380-780)(W): 101.9	Flux_ch-A(W): 16.1
Flux_ch-A.t(J): 16.1	Flux_ch-B(W): 19.96
Flux_ch-B.t(J): 19.96	Flux b(W): 20.22
Flux b.t(J): 20.22	Flux y(W): 42.95
Flux y.t(J): 42.95	Flux r(W) : 36.96
Flux r.t(J): 36.96	
PPF(400-700)(umol/s): 556.2	PPF(400-500)(umol/s): 91.18
PPF(500-600)(umol/s): 233.90	PPF(600-700)(umol/s): 231.20
PPF(200-800)(umol/s): --	PPF(280-800)(umol/s): --

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