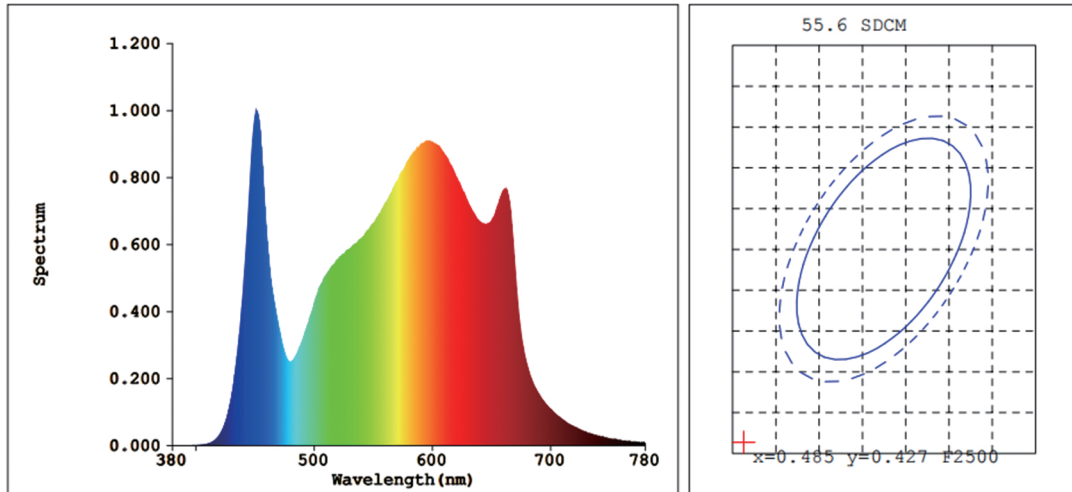


**Plant optics Test Report**



**Colorimetric Parameters:**

Chromaticity Coordinate:  $x=0.3890$   $y=0.3689$   $u'=0.2340$   $v'=0.4993$  ( $duv=-6.10e-03$ )

Tc=3707K Dominant WL:Ld=583.0nm Purity=27.4% Centroid WL:578.0nm

Ratio:R=20.2% G=76.1% B=3.7% Peak WL:Lp=451.0nm HWL:22.1nm

Render Index:Ra=88.3 AvgR=84.4

R1 =88	R2 =94	R3 =96	R4 =87	R5 =88	R6 =90	R7 =88	
R8 =75	R9 =41	R10=85	R11=87	R12=73	R13=90	R14=98	R15=85

**Photometric Parameters:**

Flux: 64865 lm Fe: 201.49 W Efficacy:152.3 lm/W

**Electrical Parameters:**

Lamp : U=109.4V I=3.898A P=425.9W PF=0.9983 Freq=60.01Hz Kdisp=0

Product Type:AOE-QFS-213  
 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 10:14:42  
 Instrument:PMS-2000 (SN:M181843CM1401116)

**Plant Parameters:**

Flux(lm): 64865	Qv(lm.s): 64865
Spectral radiance(W/nm): 201.5	Qe(J): 201.5
Flux(W): 197.2	Far-red flux(W): 3.679
Efficiency: 0.463	Effi-fr: 0.008638
Kp(PPE) (umol/J): 2.61	Kfr: 0.05227
Erb_Ratio: 1.774	Flux_b(W): 200.8
Flux_UV(W): 0.00167	Flux_fr(W): 3.679
PPF.t(umol): 1112	Kp(umol/s/W): 2.61
Photon flux_fr(umol/s): 22.26	Flux(400-700)(W): 197.2
Flux(380-780)(W): 200.8	Flux_ch-A(W): 31.92
Flux_ch-A.t(J): 31.92	Flux_ch-B(W): 39.73
Flux_ch-B.t(J): 39.73	Flux_b(W): 40.85
Flux_b.t(J): 40.85	Flux_y(W): 83.89
Flux_y.t(J): 83.89	Flux_r(W): 72.45
Flux_r.t(J): 72.45	PPF(400-500)(umol/s): 187.0
PPF(400-700)(umol/s): 933.3	PPF(600-700)(umol/s): 460.4
PPF(500-600)(umol/s): 464	PPF(280-800)(umol/s): --
PPF(200-800)(umol/s): --	

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