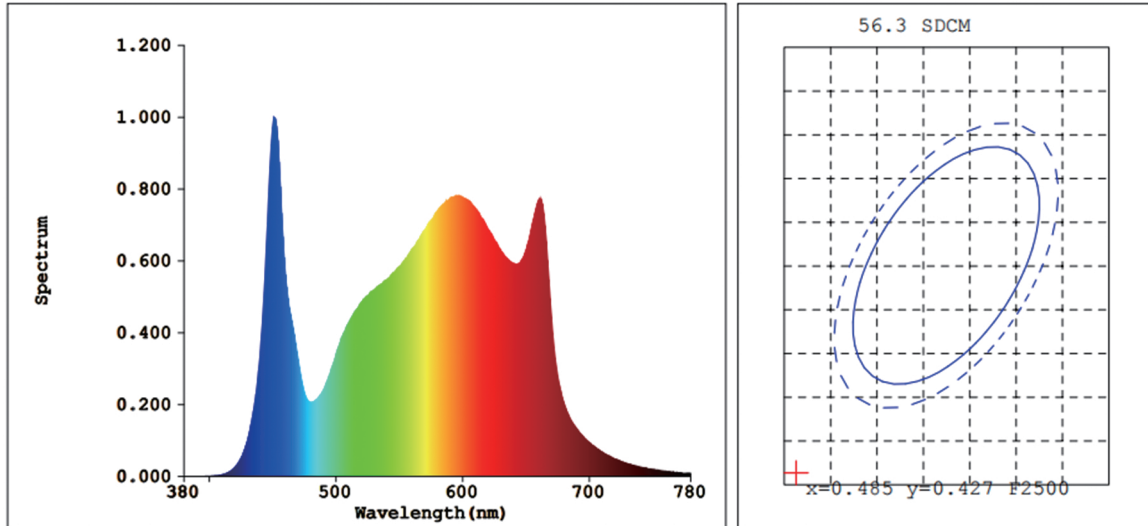


**Plant optics Test Report**



**Colorimetric Parameters:**

Chromaticity Coordinate:  $x=0.3877$   $y=0.3663$  /  $u'=0.2342$   $v'=0.4980$  ( $duv=-6.97e-03$ )

Tc=3720K Dominant WL:Ld=584.0nm Purity=26.3% Centroid WL:578.0nm

Ratio:R=20.2% G=76.2% B=3.6% Peak WL:Lp=451.0nm HWL:18.7nm

Render Index:Ra=88.5 AvgR=84.6

R1 =89    R2 =94    R3 =95    R4 =87    R5 =88    R6 =89    R7 =89  
 R8 =77    R9 =47    R10=84    R11=87    R12=70    R13=90    R14=97    R15=87

**Photometric Parameters:**

Flux: 117781 lm    Fe: 358.43 W    Efficacy:161.5 lm/W

**Electrical Parameters:**

Lamp : U=109.3V I=6.677A P=729.3W PF=1.000 Freq=60.01Hz Kdisp=0

Product Type:AOE-QFS-222  
 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 15:25:31  
 Instrument:PMS-2000 (SN:M181843CM1401116)

**Plant Parameters:**

Flux(lm): 117781	Qv(lm.s): 117781
Spectral radiance(W/nm): 358.4	Qe(J): 358.4
Flux(W): 350.6	Far-red flux(W): 6.695
Efficiency: 0.4807	Effi-fr: 0.00918
Kp(PPE)(umol/J): 2.708	Kfr: 0.0556
Erb_Ratio: 1.809	Flux_b(W): 357.3
Flux_UV(W): 0.004028	Flux_fr(W): 6.695
PPF.t(umol): 1975	Kp(umol/s/W): 2.708
Photon flux_fr(umol/s): 40.55	Flux(400-700)(W): 350.6
Flux(380-780)(W): 357.3	Flux_ch-A(W): 57.82
Flux_ch-A.t(J): 57.82	Flux_ch-B(W): 72.82
Flux_ch-B.t(J): 72.82	Flux_b(W): 72.32
Flux_b.t(J): 72.32	Flux_y(W): 147.4
Flux_y.t(J): 147.4	Flux_r(W): 130.8
Flux_r.t(J): 130.8	PPF(400-500)(umol/s): 330.4
PPF(400-700)(umol/s): 1975	PPF(600-700)(umol/s): 830.9
PPF(500-600)(umol/s): 814.6	PPF(280-800)(umol/s): --
PPF(200-800)(umol/s): --	

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Product Type: AOE-QFS-222  
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 15:25:31  
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