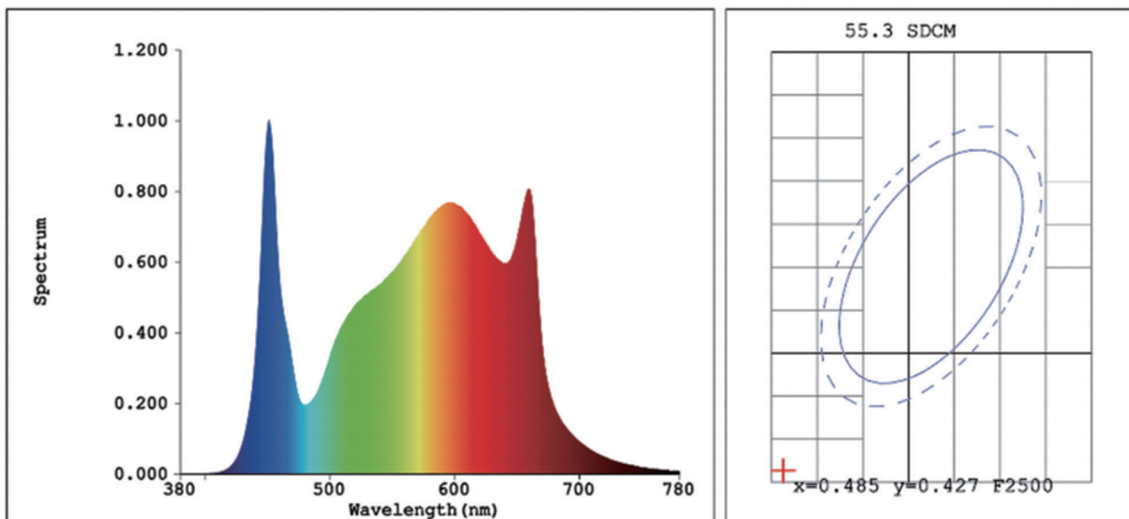


Plant optics Test Report



Colorimetric Parameters:

Chromaticity Coordinate: $x=0.3895$ $y=0.3674$ $u'=0.2350$ $v'=0.4987$ ($duv=-6.94e-03$)

Tc=3681K Dominant WL:Ld=584.0nm Purity=27.1% Centroid WL:579.0nm

Ratio:R=20.4% G=76.1% B=3.5% Peak WL:Lp=451.0nm HWL:17.7nm

Render Index:Ra=88.8 AvgR=85.1

R1 =89 R2 =94 R3 =95 R4 =88 R5 =89 R6 =89 R7 =89
 R8 =78 R9 =49 R10=84 R11=87 R12=70 R13=90 R14=97 R15=87

Photometric Parameters:

Flux: 97911 lm Fe: 320.01 W Efficacy:162.4 lm/W

Electrical Parameters:

Lamp : U=109.4V I=5.513A P=602.9W PF=1.000 Freq=60.01Hz Kdisp=0

Product Type:AOE-QFS-221
 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 15:20:40
 Instrument:PMS-2000 (SN:M181843CM1401116)

Plant Parameters:

Flux(lm): 97911	Qv(lm.s): 97911
Spectral radiance(W/nm): 301.0	Qe(J): 301.0
Flux(W): 294.6	Far-red flux(W): 5.489
Efficiency: 0.4886	Effi-fr: 0.009104
Kp(PPE) (umol/J): 2.717	Kfr: 0.05512
Erb_Ratio: 1.848	Flux_b(W): 300.1
Flux_UV(W): 0.00283	Flux_fr(W): 5.489
PPF.t(umol): 1638	Kp(umol/s/W): 2.717
Photon flux_fr(umol/s): 33.23	Flux(400-700) (W): 294.6
Flux(380-780) (W): 300.1	Flux_ch-A(W): 47.66
Flux_ch-A.t(J): 47.66	Flux_ch-B(W): 61.43
Flux_ch-B.t(J): 61.43	Flux_b(W): 59.83
Flux_b.t(J): 59.83	Flux_y(W): 124.1
Flux_y.t(J): 124.1	Flux_r(W) : 110.5
Flux_r.t(J): 110.5	PPF(400-500) (umol/s): 269.6
PPF(400-700) (umol/s): 1638	PPF(600-700) (umol/s): 692.1
PPF(500-600) (umol/s): 676.3	PPF(280-800) (umol/s): --
PPF(200-800) (umol/s): --	

Product Type:AOE-QFS-221
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