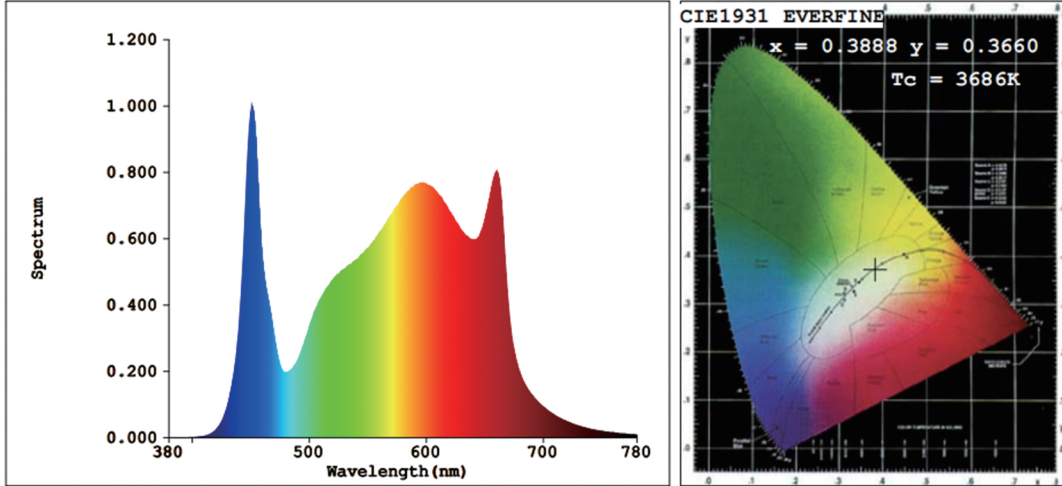


**Plant optics Test Report**



**Colorimetric Parameters:**

Chromaticity Coordinate:  $x=0.3888$   $y=0.3660$  /  $u'=0.2352$   $v'=0.4980$  ( $duv=-7.43e-03$ )

$T_c=3686K$  Dominant WL:  $\lambda_d=584.0nm$  Purity=26.5% Centroid WL:  $579.0nm$

Ratio: R=20.4% G=76.1% B=3.5% Peak WL:  $\lambda_p=451.0nm$  HWL:  $18.0nm$

Render Index:  $R_a=88.9$   $AvgR=85.3$

R1 =89	R2 =94	R3 =95	R4 =88	R5 =89	R6 =89	R7 =89	
R8 =79	R9 =50	R10=85	R11=87	R12=71	R13=90	R14=97	R15=87

**Photometric Parameters:**

Flux: 158477 lm Fe: 522.52 W Efficacy: 164.1 lm/W

**Electrical Parameters:**

Lamp : U=219.7V I=4.431A P=965.6W PF=0.9921 Freq=50.01Hz Kdisp=0

Product Type: AOE-QFS-223  
 Number: 220V  
 Temperature: 25.3 deg  
 Test Operator: DAMIN  
 Software: V3.00.101  
 Remarks: ---

Manufacturer:  
 Test Department:  
 Humidity: 65.0%  
 Test Date: 2021-08-23 13:59:49  
 Instrument: PMS-2000 (SN: M181843CM1401116)

**Plant Parameters:**

Flux(lm): 158477	Qv(lm.s): 158477
Spectral radiance(W/nm): 522.5	Qe(J): 522.5
Flux(W): 511.1	Far-red flux(W): 9.787
Efficiency: 0.5293	Effi-fr: 0.01013
Kp(PPE)(umol/J): 2.71	Kfr: 0.0614
Erb_Ratio: 1.844	Flux_b(W): 520.9
Flux_UV(W): 0.008243	Flux_fr(W): 9.787
PPF.t(umol): 2615	Photon flux_fr(umol/s): 59.29
Flux(400-700)(W): 511.1	Flux(380-780)(W): 520.9
Flux_ch-A(W): 84.26	Flux_ch-A.t(J): 84.26
Flux_ch-B(W): 106.5	Flux_ch-B.t(J): 106.5
Flux_b(W): 104.4	Flux_b.t(J): 104.4
Flux_y(W): 214	Flux_y.t(J): 214
Flux_r(W): 192.6	Flux_r.t(J): 192.6
PPF(400-700)(umol/s): 2615	PPF(400-500)(umol/s): 432.8
PPF(500-600)(umol/s): 1072.7	PPF(600-700)(umol/s): 1109
PPF(200-800)(umol/s): --	PPF(280-800)(umol/s): --

Product Type:AOE-QFS-223  
Number:220V  
Temperature:25.3 deg  
Test Operator:DAMIN  
Software:V3.00.101  
Remarks:---

Manufacturer:  
Test Department:  
Humidity:65.0%  
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