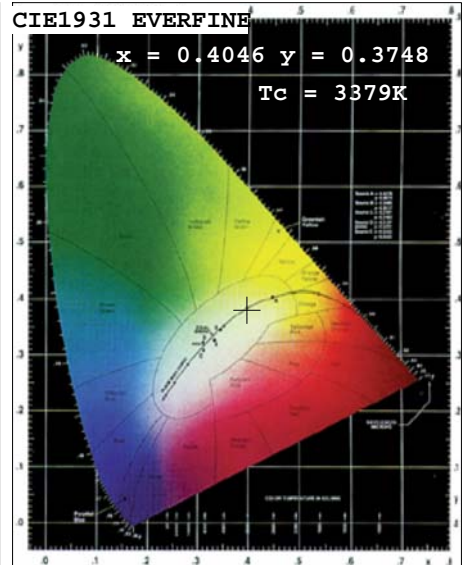
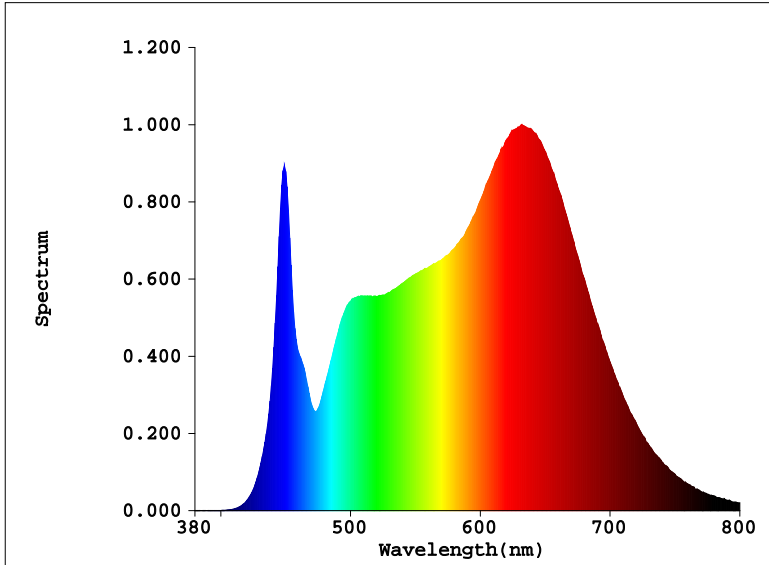


Plant optics Test Report



Colorimetric Parameters:

Chromaticity Coordinate: $x=0.4046$ $y=0.3748$ $u'=0.2420$ $v'=0.5043$ ($duv=-6.98e-03$)

Tc=3379K Dominant WL:Ld=584.0nm Purity=33.9% Centroid WL:599.0nm

Ratio:R=24.2% G=71.5% B=4.3% Peak WL:Lp=632.0nm HWL:195.2nm

Render Index:Ra=93.8 AvgR=91.9

R1 =92	R2 =94	R3 =98	R4 =91	R5 =91	R6 =91	R7 =98	
R8 =95	R9 =85	R10=88	R11=86	R12=87	R13=92	R14=99	R15=92

Photometric Parameters:

Flux: 2550.4 lm Fe: 9.8654 W Efficacy:126.4 lm/W

Electrical Parameters:

Lamp : U=22.92V I=0.8799A P=20.17W PF=1.000 Freq=0Hz Kdisp=0

Interval:1.0 nm

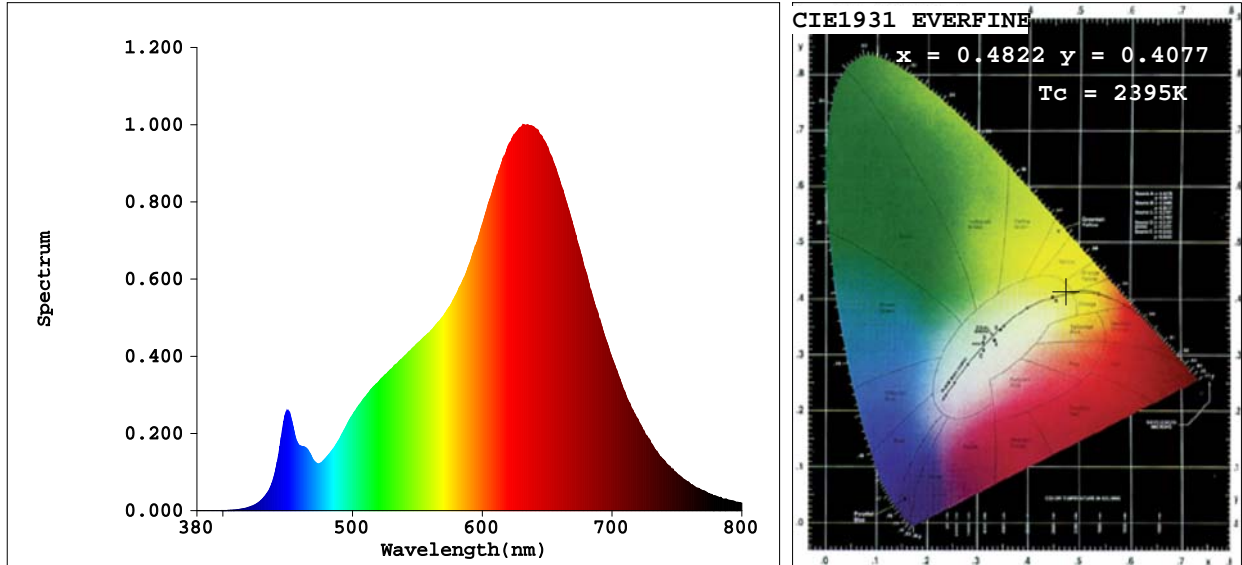
Applicant:V	Application Number:---
Product Type:20W全亮	Manufacturer:
Number:0227	Test Department:
Temperature:150.0 deg	Humidity:65.0%
Test Operator:	Checker:EVERFINE
Test Date:2023-09-15 14:09:25	Software:V3.00.105
Instrument:PMS-2000 (SN:M181843CM1401116)	
Remarks:---	

Plant Parameters:

Flux(lm): 2550	Qv(lm.s): 2550
Spectral radiance(W/nm): 9.865	Qe(J): 9.865
Flux(W): 9.152	Far-red flux(W): 0.6822
Efficiency: 0.4537	Effi-fr: 0.03382
Kp(PPE)(umol/J): 2.196	Kfr: 0.2059
Erb_Ratio: 2.589	Flux_b(W): 9.835
Flux_UV(W): 0.0003233	Flux_fr(W): 0.6822
PPF.t(umol): 44.3	Photon flux_fr(umol/s): 4.153
Flux(400-700)(W): 9.152	Flux(380-780)(W): 9.806
Flux_ch-A(W): 1.614	Flux_ch-A.t(J): 1.614
Flux_ch-B(W): 1.652	Flux_ch-B.t(J): 1.652
Flux b(W): 1.633	Flux b.t(J): 1.633
Flux y(W): 3.291	Flux y.t(J): 3.291
Flux r(W) : 4.227	Flux r.t(J): 4.227
PPF(400-700)(umol/s): 44.3	PPF(400-500)(umol/s): 6.329
PPF(500-600)(umol/s): 15.2	PPF(600-700)(umol/s): 22.77
PPF(200-800)(umol/s): --	PPF(280-800)(umol/s): --

Applicant:V	Application Number:---
Product Type:20W全亮	Manufacturer:
Number:0227	Test Department:
Temperature:150.0 deg	Humidity:65.0%
Test Operator:	Checker:EVERFINE
Test Date:2023-09-15 14:09:25	Software:V3.00.105
Instrument:PMS-2000 (SN:M181843CM1401116)	
Remarks:---	

Plant optics Test Report



Colorimetric Parameters:

Chromaticity Coordinate: $x=0.4822$ $y=0.4077$ / $u'=0.2784$ $v'=0.5296$ ($duv=-2.24e-03$)

$T_c=2395K$ Dominant WL: $L_d=586.0nm$ Purity= 67.1% Centroid WL: $621.0nm$

Ratio: $R=30.5\%$ $G=67.2\%$ $B=2.3\%$ Peak WL: $L_p=632.0nm$ HWL: $120.9nm$

Render Index: $R_a=96.1$ AvgR= 95.1

R1 =97 R2 =98 R3 =99 R4 =96 R5 =97 R6 =93 R7 =95
 R8 =94 R9 =87 R10=96 R11=91 R12=90 R13=97 R14=98 R15=99

Photometric Parameters:

Flux: 2244.6 lm Fe: 8.9836 W Efficacy:111.3 lm/W

Electrical Parameters:

Lamp : U=22.92V I=0.8799A P=20.17W PF=1.000 Freq=0Hz Kdisp=0

Interval:1.0 nm

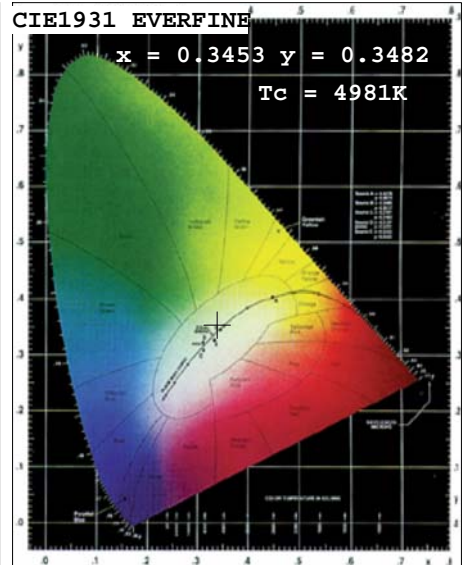
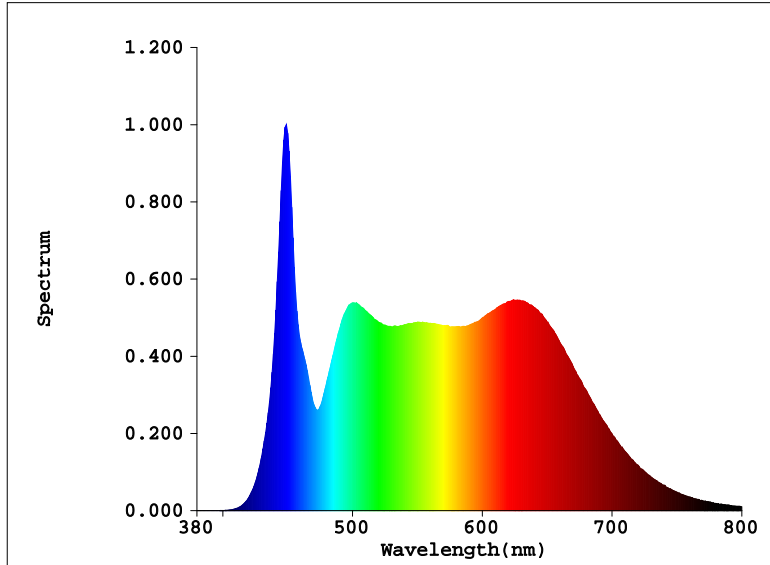
Applicant:V	Application Number:---
Product Type:20W暖白	Manufacturer:
Number:0228	Test Department:
Temperature:150.0 deg	Humidity:65.0%
Test Operator:	Checker:EVERFINE
Test Date:2023-09-15 14:27:47	Software:V3.00.105
Instrument:PMS-2000 (SN:M181843CM1401116)	
Remarks:---	

Plant Parameters:

Flux(lm): 2245	Qv(lm.s): 2245
Spectral radiance(W/nm): 8.984	Qe(J): 8.984
Flux(W): 8.161	Far-red flux(W): 0.7941
Efficiency: 0.4046	Effi-fr: 0.03937
Kp(PPE)(umol/J): 2.034	Kfr: 0.2396
Erb_Ratio: 7.088	Flux_b(W): 8.956
Flux_UV(W): 8.405e-005	Flux_fr(W): 0.7941
PPF.t(umol): 41.03	Photon flux_fr(umol/s): 4.833
Flux(400-700)(W): 8.161	Flux(380-780)(W): 8.923
Flux_ch-A(W): 1.672	Flux_ch-A.t(J): 1.672
Flux_ch-B(W): 1.227	Flux_ch-B.t(J): 1.227
Flux b(W): 0.6768	Flux b.t(J): 0.6768
Flux y(W): 2.688	Flux y.t(J): 2.688
Flux r(W) : 4.796	Flux r.t(J): 4.796
PPF(400-700)(umol/s): 41.03	PPF(400-500)(umol/s): 2.642
PPF(500-600)(umol/s): 12.52	PPF(600-700)(umol/s): 25.86
PPF(200-800)(umol/s): --	PPF(280-800)(umol/s): --

Applicant:V	Application Number:---
Product Type:20W暖白	Manufacturer:
Number:0228	Test Department:
Temperature:150.0 deg	Humidity:65.0%
Test Operator:	Checker:EVERFINE
Test Date:2023-09-15 14:27:47	Software:V3.00.105
Instrument:PMS-2000 (SN:M181843CM1401116)	
Remarks:---	

Plant optics Test Report



Colorimetric Parameters:

Chromaticity Coordinate: $x=0.3453$ $y=0.3482$ $u'=0.2129$ $v'=0.4830$ ($duv=-1.83e-03$)

Tc=4981K Dominant WL:Ld=575.0nm Purity=8.1% Centroid WL:566.0nm

Ratio:R=18.7% G=75.3% B=6.0% Peak WL:Lp=449.0nm HWL:16.8nm

Render Index:Ra=97.0 AvgR=95.1

R1 =96	R2 =98	R3 =99	R4 =95	R5 =96	R6 =96	R7 =99	
R8 =97	R9 =90	R10=95	R11=92	R12=84	R13=96	R14=99	R15=95

Photometric Parameters:

Flux: 2609.6 lm Fe: 9.7587 W Efficacy:124.3 lm/W

Electrical Parameters:

Lamp : U=24.69V I=0.8499A P=20.99W PF=1.000 Freq=0Hz Kdisp=0

Interval:1.0 nm

Applicant:V	Application Number:---
Product Type:20W正白	Manufacturer:
Number:0229	Test Department:
Temperature:150.0 deg	Humidity:65.0%
Test Operator:	Checker:EVERFINE
Test Date:2023-09-15 14:29:55	Software:V3.00.105
Instrument:PMS-2000 (SN:M181843CM1401116)	
Remarks:---	

Plant Parameters:

Flux(lm): 2610	Qv(lm.s): 2610
Spectral radiance(W/nm): 9.759	Qe(J): 9.759
Flux(W): 9.243	Far-red flux(W): 0.4861
Efficiency: 0.4404	Effi-fr: 0.02316
Kp(PPE)(umol/J): 2.055	Kfr: 0.1409
Erb_Ratio: 1.287	Flux_b(W): 9.729
Flux_UV(W): 0.0001012	Flux_fr(W): 0.4861
PPF.t(umol): 43.13	Photon flux_fr(umol/s): 2.958
Flux(400-700)(W): 9.243	Flux(380-780)(W): 9.708
Flux_ch-A(W): 1.39	Flux_ch-A.t(J): 1.39
Flux_ch-B(W): 1.929	Flux_ch-B.t(J): 1.929
Flux b(W): 2.475	Flux b.t(J): 2.475
Flux y(W): 3.581	Flux y.t(J): 3.581
Flux r(W) : 3.185	Flux r.t(J): 3.185
PPF(400-700)(umol/s): 43.13	PPF(400-500)(umol/s): 9.566
PPF(500-600)(umol/s): 16.44	PPF(600-700)(umol/s): 17.12
PPF(200-800)(umol/s): --	PPF(280-800)(umol/s): --

Applicant:V	Application Number:---
Product Type:20W正白	Manufacturer:
Number:0229	Test Department:
Temperature:150.0 deg	Humidity:65.0%
Test Operator:	Checker:EVERFINE
Test Date:2023-09-15 14:29:55	Software:V3.00.105
Instrument:PMS-2000 (SN:M181843CM1401116)	
Remarks:---	