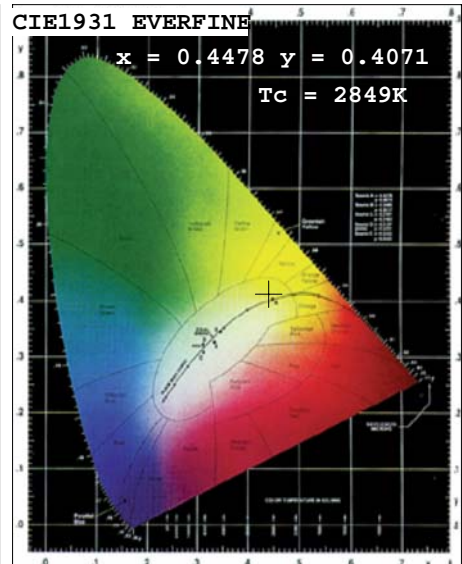
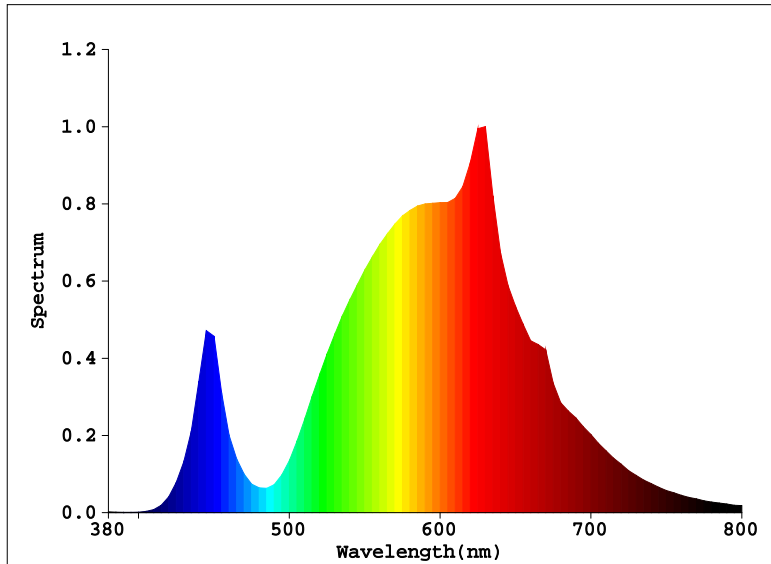


FOBSUN ELECTRONICS INC.

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4478$ $y=0.4071$ $u'=0.2563$ $v'=0.5242$

Tc=2849K Dominant WL:Ld=583.5nm Purity=56.6% Centroid WL:596.0nm

Ratio:R=24.9% G=73.8% B=1.2% Peak WL:Lp=630.0nm HWL:119.5nm

Render Index:Ra=77.6

R1 =77 R2 =83 R3 =86 R4 =76 R5 =74 R6 =74 R7 =86

R8 =66 R9 =18 R10=58 R11=70 R12=48 R13=77 R14=91 R15=74

Photo Parameters:

Flux: 868.20 lm Fe: 2.7051 W Efficacy:68.48 lm/W

LEVEL:OUT WHITE:ANSI_2700K

Electrical Parameters:

Luminaire: U=218.6V I=0.06196A P=12.68W PF=0.9360

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]

Ip=24343(G=5,D=40)

REF=13740(R=3)

%=-0.169%

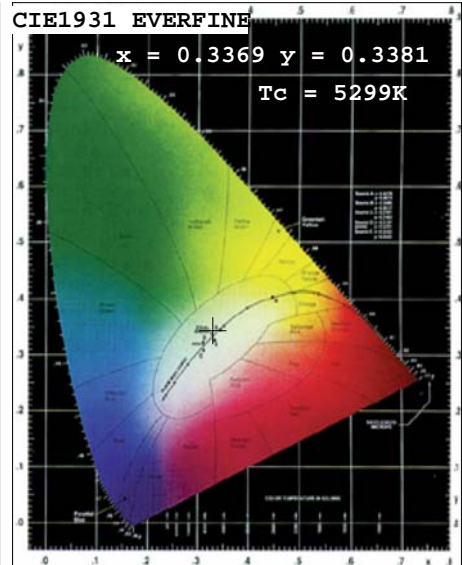
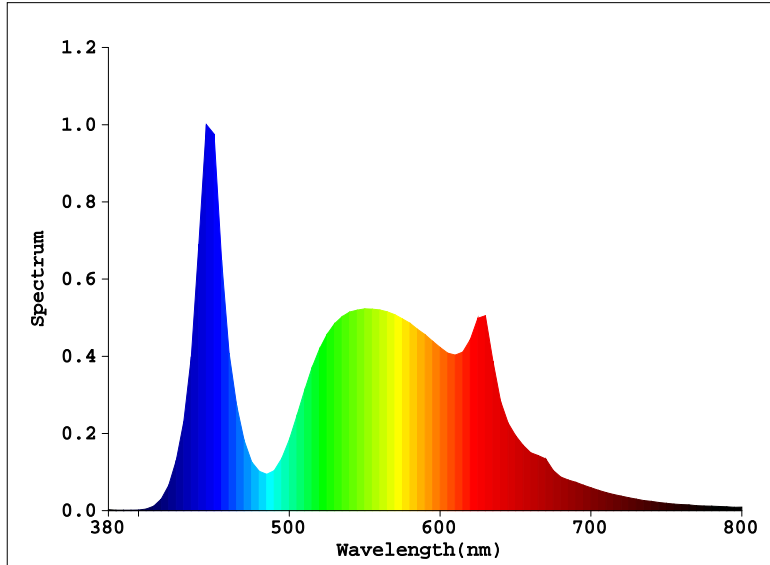
PMT: 18.1 centigrade [18.9]

Product Type:par38-2849K
Number:
Temperature:25.3 deg
Test Operator:DAMIN
Software:V2.00.100

Manufacturer:FOBSUN ELECTRONICS INC.
Test Department:FOBSUN ELECTRONICS INC.
Humidity:65.0%
Test Date:2012-02-14 17:18:10
Instrument:PMS-50SSA_V1 (SN:1007074)

FOBSUN ELECTRONICS INC.

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3369$ $y=0.3381$ / $u'=0.2111$ $v'=0.4767$

$T_c=5299K$ Dominant WL: $L_d=574.7nm$ Purity=2.5% Centroid WL: $552.0nm$

Ratio: R=16.7% G=80.2% B=3.1% Peak WL: $L_p=445.0nm$ HWL: $21.4nm$

Render Index: $R_a=78.6$

| | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|
| R1 =81 | R2 =80 | R3 =75 | R4 =80 | R5 =80 | R6 =72 | R7 =83 | |
| R8 =77 | R9 =30 | R10=50 | R11=80 | R12=49 | R13=80 | R14=85 | R15=81 |

Photo Parameters:

Flux: 982.02 lm Fe: 3.1017 W Efficacy: 76.90 lm/W

LEVEL:OUT WHITE:ANSI_5000K

Electrical Parameters:

Luminaire: U= $218.7V$ I= $0.06204A$ P= $12.77W$ PF= 0.9414

Instrument Status:

Scan Range: $380.0nm-800.0nm$ Interval: $5.0nm[0]$
REF= $15310(R=3)$ %= -0.276%

$I_p=23796(G=4,D=40)$
PMT: 18.2 centigrade [19.2]

Product Type:par38-5299K
Number:
Temperature:25.3 deg
Test Operator:DAMIN
Software:V2.00.100

Manufacturer:FOBSUN ELECTRONICS INC.
Test Department:FOBSUN ELECTRONICS INC.
Humidity:65.0%
Test Date:2012-02-14 17:21:51
Instrument:PMS-50SSA_V1 (SN:1007074)