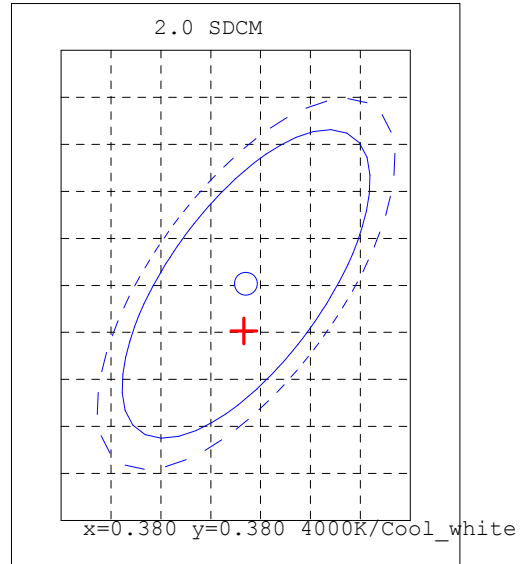
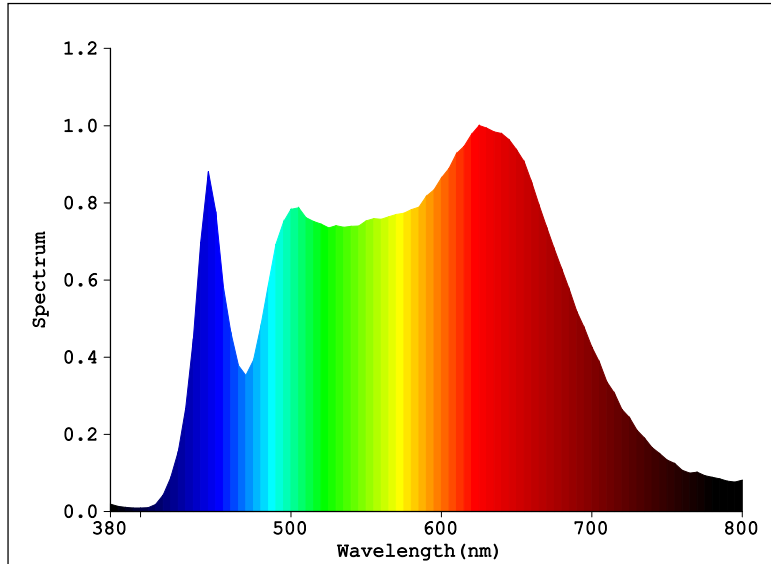


**Light Source Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3798$   $y=0.3760$   
 Chromaticity Coordinate:  $u'=0.2250$   $v'=0.5011$  ( $duv=-1.81e-04$ )  
 Tc=4012K Dominant WL:Ld=579.1nm Purity=26.8% Centroid WL:588.0nm  
 Ratio:R=22.3% G=73.2% B=4.5% Peak WL:Lp=625.0nm HWL:211.3nm  
 Render Index:Ra=96.0  
 R1 =95 R2 =97 R3 =99 R4 =93 R5 =95 R6 =96 R7 =99  
 R8 =96 R9 =90 R10=93 R11=89 R12=95 R13=95 R14=99 R15=96

**Photo Parameters:**

Flux: 1371.5 lm Fe: 5.2612 W Efficacy:74.94 lm/W

**Electrical Parameters:**

Luminaire: U=229.6V I=0.04447A P=5.567W PF=0.5452  
 Lamp : U=198.9V I=0.09550A P=18.30W PF=0.9634

**Instrument Status:**

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=30057(G=5,D=56)  
 REF=14068(R=3) %=-0.271% PMT: 27.4 centigrade [150.0]

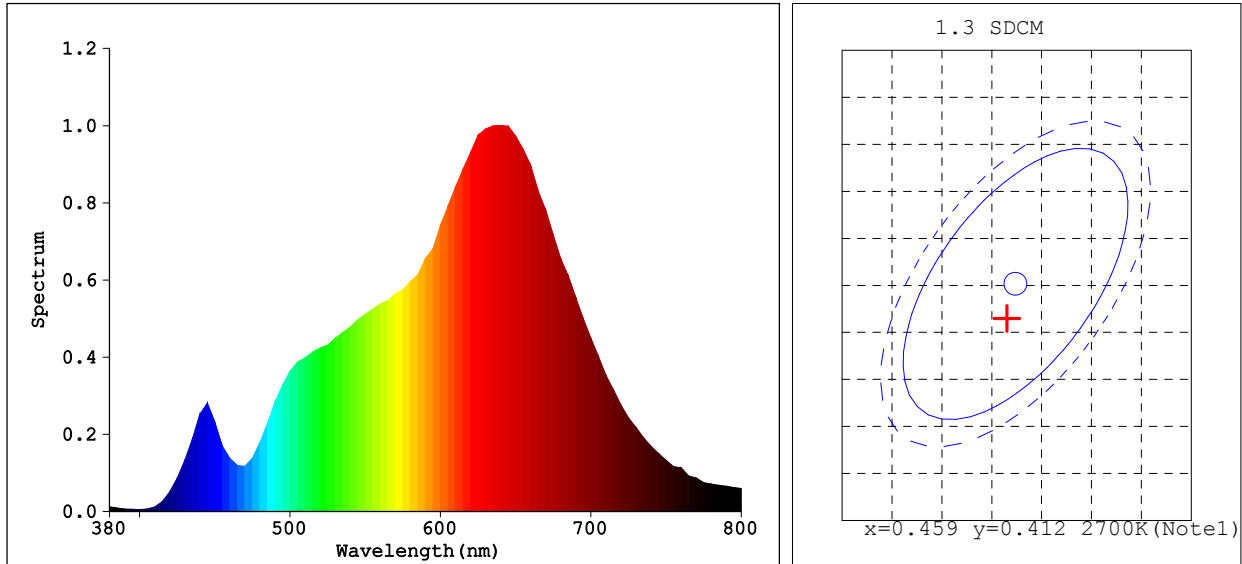
**Product Type:**

Number:9  
 Temperature:25.3 deg  
 Test Operator:DAMIN  
 Software:V2.00.122

**Manufacturer:**

Test Department:  
 Humidity:65.0%  
 Test Date:2020-10-22 16:20:12  
 Instrument:PMS-80\_V1 (SN:11080027)

**Light Source Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4582$   $y=0.4090$   
 Chromaticity Coordinate:  $u'=0.2622$   $v'=0.5265$  ( $duv=-4.44e-04$ )  
 Tc=2711K Dominant WL:Ld=584.3nm Purity=60.3% Centroid WL:619.0nm  
 Ratio:R=29.2% G=68.4% B=2.4% Peak WL:Lp=640.0nm HWL:148.7nm  
 Render Index:Ra=95.7  
 R1 =95 R2 =98 R3 =96 R4 =91 R5 =94 R6 =95 R7 =98  
 R8 =97 R9 =97 R10=97 R11=87 R12=92 R13=96 R14=97 R15=97

**Photo Parameters:**

Flux: 1181.9 lm Fe: 4.7807 W Efficacy:64.26 lm/W

**Electrical Parameters:**

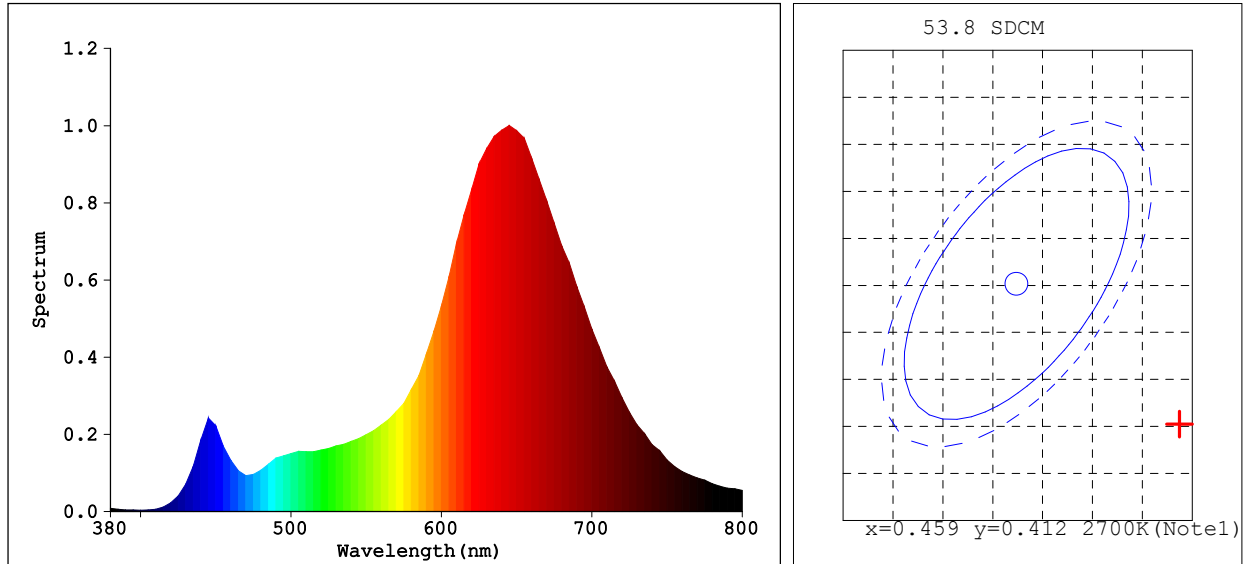
Luminaire: U=229.6V I=0.04447A P=5.567W PF=0.5452  
 Lamp : U=229.6V I=0.08449A P=18.39W PF=0.9482

**Instrument Status:**

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]  $I_p=16509$  (G=5,D=59)  
 REF=12321 (R=3)  $\%=0.164\%$  PMT: 27.9 centigrade [150.0]

Product Type: Manufacturer:  
 Number:10 Test Department:  
 Temperature:25.3 deg Humidity:65.0%  
 Test Operator:DAMIN Test Date:2020-10-22 16:21:47  
 Software:V2.00.122 Instrument:PMS-80\_V1 (SN:11080027)

**Light Source Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.5049$   $y=0.3526$   
 Chromaticity Coordinate:  $u'=0.3246$   $v'=0.5101$  ( $duv=-2.02e-02$ )  
 Tc=1792K Dominant WL:Ld=601.3nm Purity=57.3% Centroid WL:639.0nm  
 Ratio:R=44.2% G=53.5% B=2.4% Peak WL:Lp=645.0nm HWL:100.1nm  
 Render Index:Ra=80.4  
 R1 =83 R2 =80 R3 =82 R4 =84 R5 =74 R6 =60 R7 =85  
 R8 =95 R9 =90 R10=57 R11=68 R12=13 R13=78 R14=92 R15=89

**Photo Parameters:**

Flux: 616.68 lm Fe: 3.4030 W Efficacy:33.63 lm/W

**Electrical Parameters:**

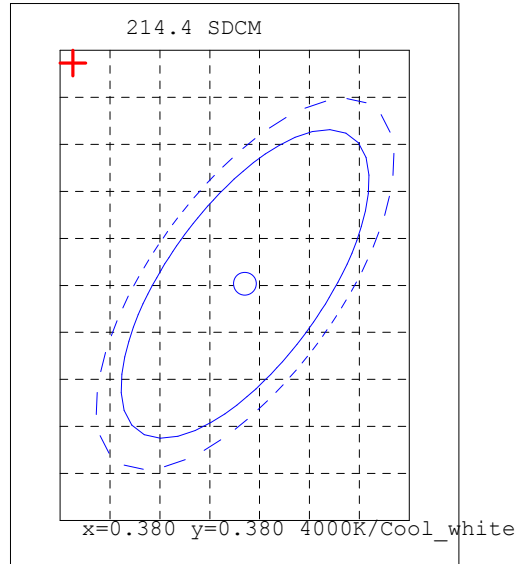
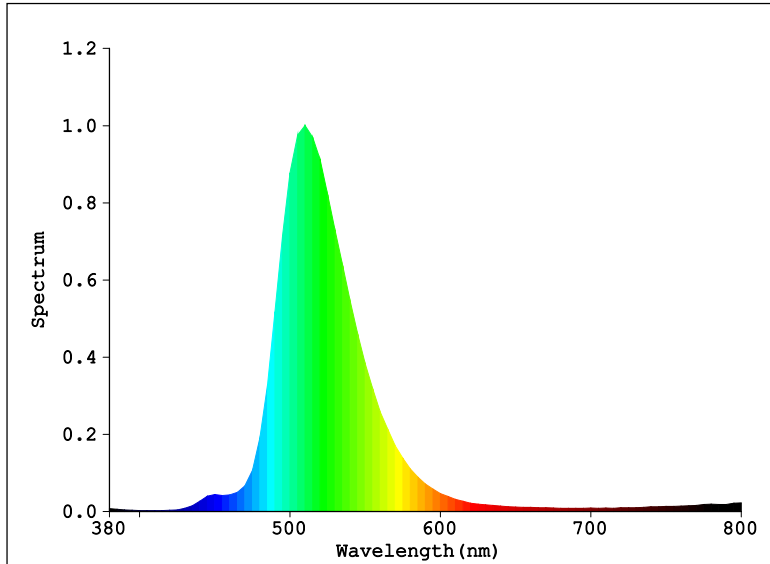
Luminaire: U=229.6V I=0.04447A P=5.567W PF=0.5452  
 Lamp : U=229.6V I=0.08427A P=18.34W PF=0.9480

**Instrument Status:**

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=18455(G=5,D=60)  
 REF=65535(R=4) %=-0.209% PMT: 28.2 centigrade [150.0]

Product Type: Manufacturer:  
 Number:11 Test Department:  
 Temperature:25.3 deg Humidity:65.0%  
 Test Operator:DAMIN Test Date:2020-10-22 16:23:17  
 Software:V2.00.122 Instrument:PMS-80\_V1 (SN:11080027)

**Light Source Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.1934$   $y=0.6099$

Chromaticity Coordinate:  $u'=0.0779$   $v'=0.5527$  ( $duv=1.35e-01$ )

$T_c=8069K$  Dominant WL:  $L_d=520.7nm$  Purity=55.2% Centroid WL: 519.0nm

Ratio: R=1.5% G=93.1% B=5.4% Peak WL:  $L_p=510.0nm$  HWL: 53.1nm

Render Index:  $R_a=4.6$

R1 =-15 R2 =21 R3 =22 R4 =-30 R5 =8 R6 =16 R7 =27

R8 =-12 R9 =-304 R10=-40 R11=-49 R12=5 R13=-15 R14=59 R15=-20

**Photo Parameters:**

Flux: 1540.8 lm Fe: 3.7975 W Efficacy: 84.14 lm/W

**Electrical Parameters:**

Luminaire: U=229.6V I=0.04447A P=5.567W PF=0.5452

Lamp : U=229.5V I=0.08417A P=18.31W PF=0.9479

**Instrument Status:**

Scan Range: 380.0nm-800.0nm Interval: 5.0nm[0]  
REF=14915 (R=3) %=-0.169%

$I_p=23588$  (G=4, D=54)  
PMT: 28.3 centigrade [150.0]

**Product Type:**

Number: 12  
Temperature: 25.3 deg  
Test Operator: DAMIN  
Software: V2.00.122

**Manufacturer:**

Test Department:  
Humidity: 65.0%  
Test Date: 2020-10-22 16:24:43  
Instrument: PMS-80\_V1 (SN: 11080027)