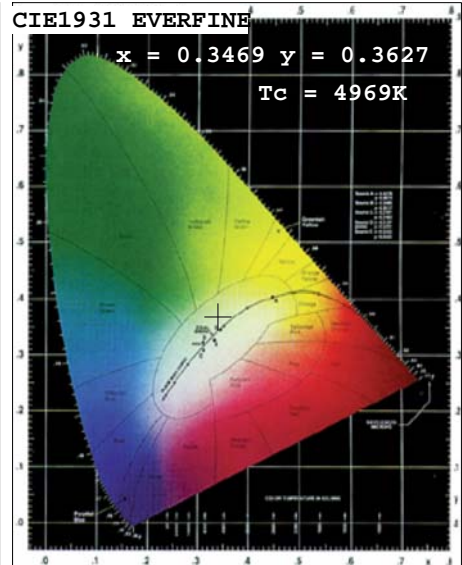
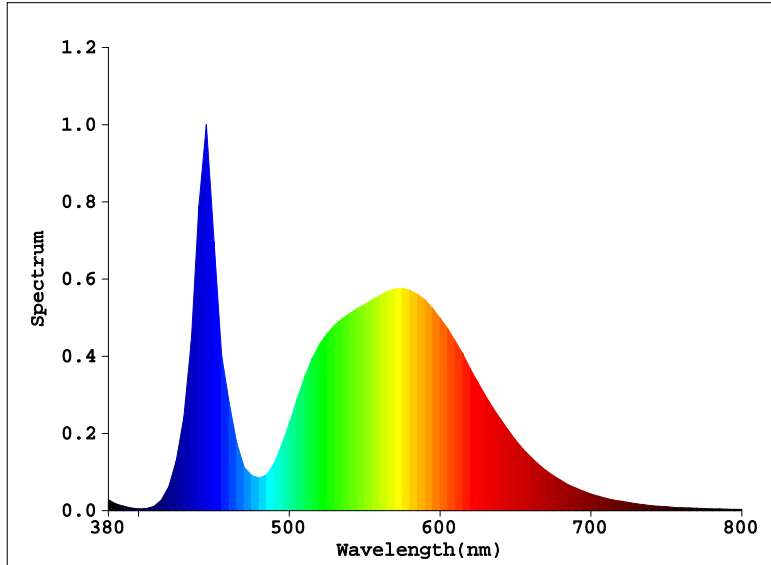


**Light Source Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3469$   $y=0.3627$   
 Chromaticity Coordinate:  $u'=0.3469$   $v'=0.3627$  ( $duv=4.77e-03$ )  
 $T_c=4969K$  Dominant WL:  $L_d=569.2nm$  Purity=12.9% Centroid WL:  $553.0nm$   
 Ratio:  $R=15.1\%$   $G=82.4\%$   $B=2.6\%$  Peak WL:  $L_p=445.0nm$  HWL:  $17.5nm$   
 Render Index:  $R_a=69.6$   
 $R_1 = 66$     $R_2 = 74$     $R_3 = 82$     $R_4 = 71$     $R_5 = 67$     $R_6 = 66$     $R_7 = 79$   
 $R_8 = 52$     $R_9 = -45$     $R_{10} = 40$     $R_{11} = 68$     $R_{12} = 40$     $R_{13} = 67$     $R_{14} = 90$     $R_{15} = 59$

**Photo Parameters:**

Flux:  $2254.9$  lm    $F_e = 6.5489$  W   Efficacy:  $191.1$  lm/W

**Electrical Parameters:**

Lamp :  $U=65.58V$   $I=0.1799A$   $P=11.80W$   $PF=1.000$

*Instrument Status:*

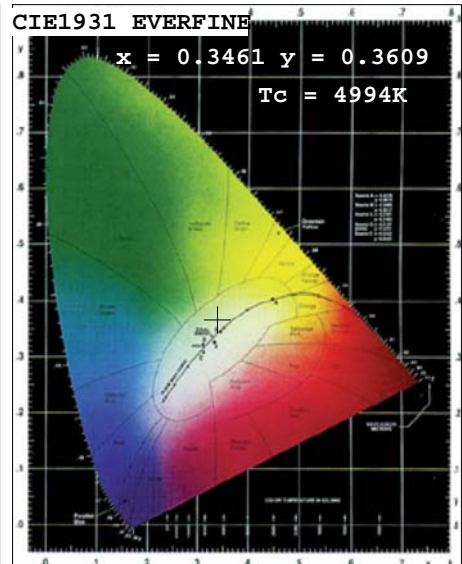
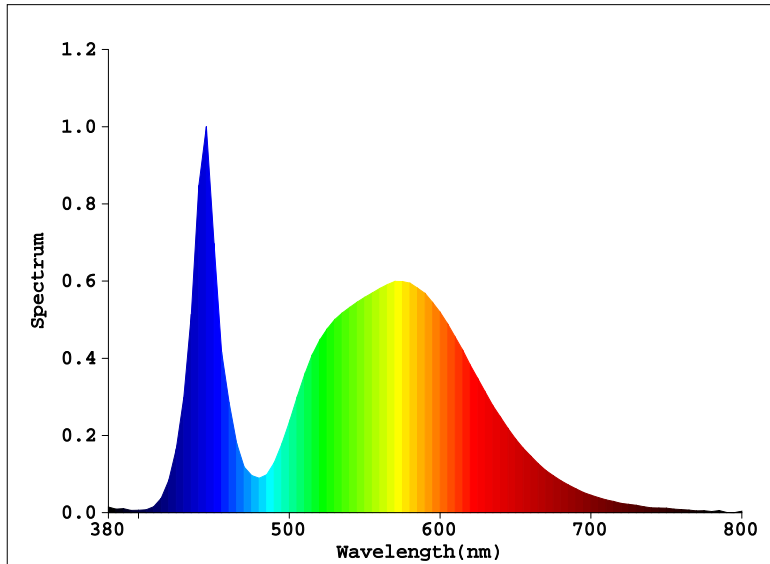
Scan Range:  $380.0nm-800.0nm$  Interval:  $5.0nm[0]$   $I_p=46414(G=3, D=50)$   
 $REF=41994(R=4)$   $\%=-0.067\%$   $PMT: 27.6$  centigrade [ $150.0$ ]

**裸光**

Product Type:  $17800$   
 Number:  $DK173-5050-12LED$   
 Temperature:  $25$  deg  
 Test Operator:  $CELIO$   
 Software:  $V2.00.100$

Manufacturer:  $MANKUN ELECTRONIC CO.,LTD.$   
 Test Department:  $MANKUN$   
 Humidity:  $65\%$   
 Test Date:  $2020-03-25 10:54:53$   
 Instrument:  $PMS-80_V1 (SN:1007038)$

**Light Source Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3461$   $y=0.3609$   
 Chromaticity Coordinate:  $u'=0.3461$   $v'=0.3609$  ( $duv=4.21e-03$ )  
 $T_c=4994K$  Dominant WL:  $L_d=569.2nm$  Purity=12.2% Centroid WL:  $553.0nm$   
 Ratio:  $R=15.1\%$   $G=82.4\%$   $B=2.6\%$  Peak WL:  $L_p=445.0nm$  HWL:  $18.8nm$   
 Render Index:  $R_a=69.6$   

R1 =66	R2 =74	R3 =81	R4 =71	R5 =68	R6 =65	R7 =79	
R8 =53	R9 =-44	R10=40	R11=68	R12=41	R13=67	R14=89	R15=59

**Photo Parameters:**

Flux:  $4222.7$  lm Fe:  $12.321$  W Efficacy:  $172.1$  lm/W

**Electrical Parameters:**

Lamp :  $U=68.18V$   $I=0.3599A$   $P=24.54W$   $PF=1.000$

*Instrument Status:*

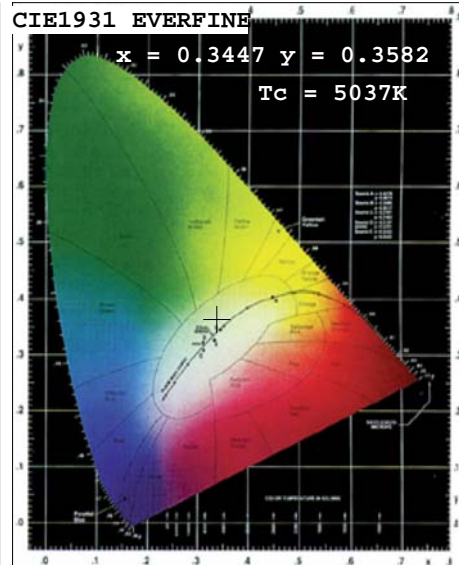
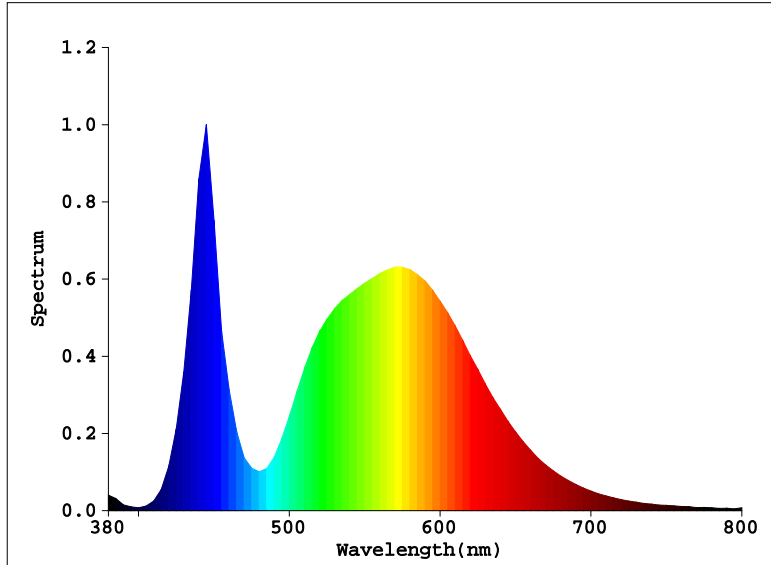
Scan Range:  $380.0nm-800.0nm$  Interval:  $5.0nm[0]$   $I_p=11138(G=2, D=49)$   
 $REF=7932(R=3)$   $\%=-0.102\%$   $PMT: 27.7$  centigrade [ $150.0$ ]

**裸光**

Product Type:  $17800$   
 Number:  $DK173-5050-12LED$   
 Temperature:  $25$  deg  
 Test Operator:  $CELIO$   
 Software:  $V2.00.100$

Manufacturer:  $MANKUN ELECTRONIC CO.,LTD.$   
 Test Department:  $MANKUN$   
 Humidity:  $65\%$   
 Test Date:  $2020-03-25 10:59:11$   
 Instrument:  $PMS-80_V1 (SN:1007038)$

**Light Source Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3447$   $y=0.3582$   
 Chromaticity Coordinate:  $u'=0.3447$   $v'=0.3582$  ( $duv=3.42e-03$ )  
 $T_c=5037K$  Dominant WL:  $L_d=569.1nm$  Purity=10.9% Centroid WL:  $553.0nm$   
 Ratio:  $R=15.1\%$   $G=82.3\%$   $B=2.6\%$  Peak WL:  $L_p=445.0nm$  HWL:  $21.1nm$   
 Render Index:  $R_a=69.5$   

R1 =66	R2 =74	R3 =80	R4 =71	R5 =69	R6 =66	R7 =78	
R8 =52	R9 =-44	R10=39	R11=69	R12=45	R13=67	R14=89	R15=59

**Photo Parameters:**

Flux: 6444.9 lm Fe: 19.084 W Efficacy: 151.1 lm/W

**Electrical Parameters:**

Lamp : U=71.11V I=0.6000A P=42.67W PF=1.000

*Instrument Status:*

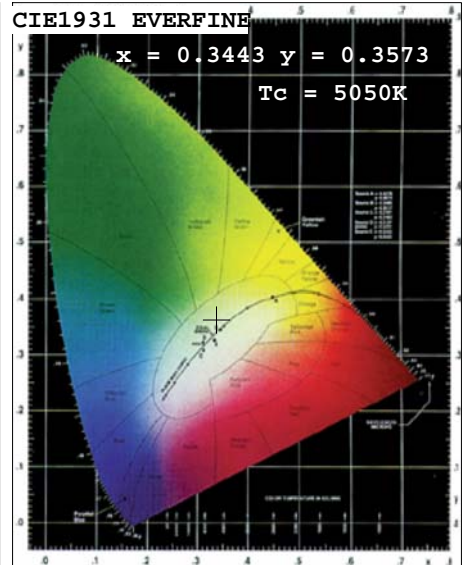
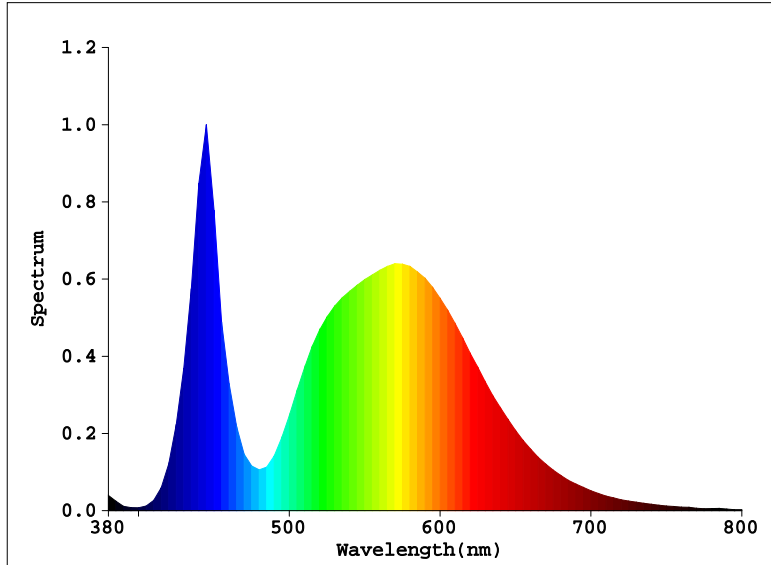
Scan Range: 380.0nm-800.0nm Interval: 5.0nm[0]  $I_p=16164(G=2, D=48)$   
 REF=12057(R=3)  $\%=-0.150\%$  PMT: 27.8 centigrade [150.0]

**裸光**

Product Type: 17800  
 Number: DK173-5050-12LED  
 Temperature: 25 deg  
 Test Operator: CELIO  
 Software: V2.00.100

Manufacturer: MANKUN ELECTRONIC CO., LTD.  
 Test Department: MANKUN  
 Humidity: 65%  
 Test Date: 2020-03-25 11:01:23  
 Instrument: PMS-80\_V1 (SN: 1007038)

**Light Source Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3443$   $y=0.3573$   
 Chromaticity Coordinate:  $u'=0.3443$   $v'=0.3573$  ( $duv=3.17e-03$ )  
 Tc=5050K Dominant WL:Ld=569.1nm Purity=10.5% Centroid WL:552.0nm  
 Ratio:R=15.1% G=82.3% B=2.7% Peak WL:Lp=445.0nm HWL:21.6nm  
 Render Index:Ra=69.7  
 R1 =67    R2 =74    R3 =80    R4 =71    R5 =69    R6 =66    R7 =78  
 R8 =53    R9 =-43    R10=40    R11=69    R12=45    R13=67    R14=89    R15=60

**Photo Parameters:**

Flux: 6712.0 lm    Fe: 19.888 W    Efficacy:147.1 lm/W

**Electrical Parameters:**

Lamp : U=71.31V I=0.6400A P=45.64W PF=1.000

*Instrument Status:*

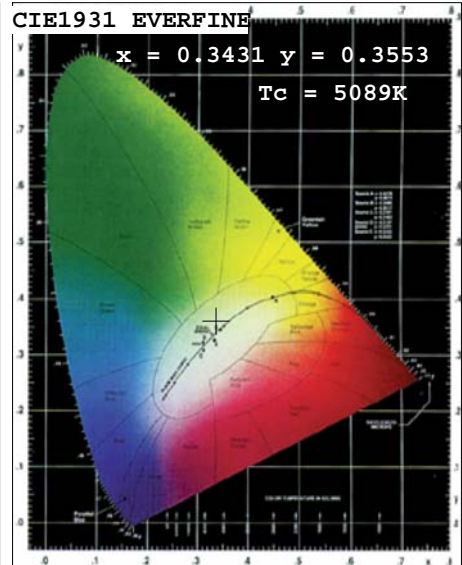
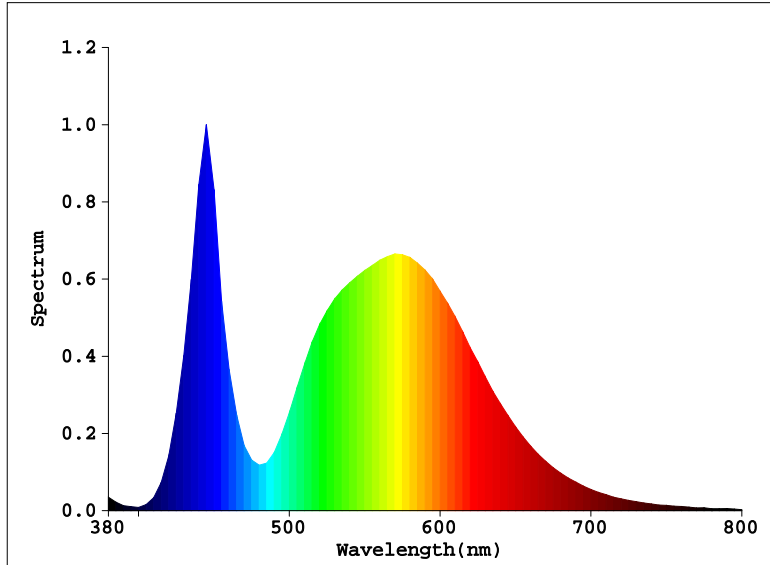
Scan Range:380.0nm-800.0nm    Interval:5.0nm[0]    Ip=16609(G=2,D=49)  
 REF=12553(R=3)    %=-0.136%    PMT: 27.9 centigrade [150.0]

**裸光**

Product Type:17800  
 Number:DK173-5050-12LED  
 Temperature:25 deg  
 Test Operator:CELIO  
 Software:V2.00.100

Manufacturer:MANKUN ELECTRONIC CO.,LTD.  
 Test Department:MANKUN  
 Humidity:65%  
 Test Date:2020-03-25 11:03:22  
 Instrument:PMS-80\_V1 (SN:1007038)

**Light Source Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3431$   $y=0.3553$   
 Chromaticity Coordinate:  $u'=0.3431$   $v'=0.3553$  ( $duv=2.66e-03$ )  
 $T_c=5089K$  Dominant WL:  $L_d=568.8nm$  Purity=9.6% Centroid WL:  $552.0nm$   
 Ratio:  $R=15.1\%$   $G=82.2\%$   $B=2.8\%$  Peak WL:  $L_p=445.0nm$  HWL:  $23.7nm$   
 Render Index:  $R_a=70.0$   

R1 =67	R2 =74	R3 =81	R4 =71	R5 =69	R6 =66	R7 =78	
R8 =53	R9 =-41	R10=40	R11=69	R12=46	R13=67	R14=89	R15=60

**Photo Parameters:**

Flux: 7810.3 lm Fe: 23.308 W Efficacy:133.5 lm/W

**Electrical Parameters:**

Lamp : U=73.13V I=0.8000A P=58.50W PF=1.000

*Instrument Status:*

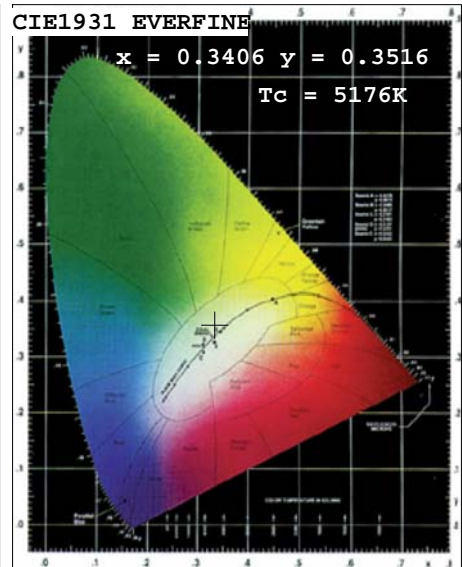
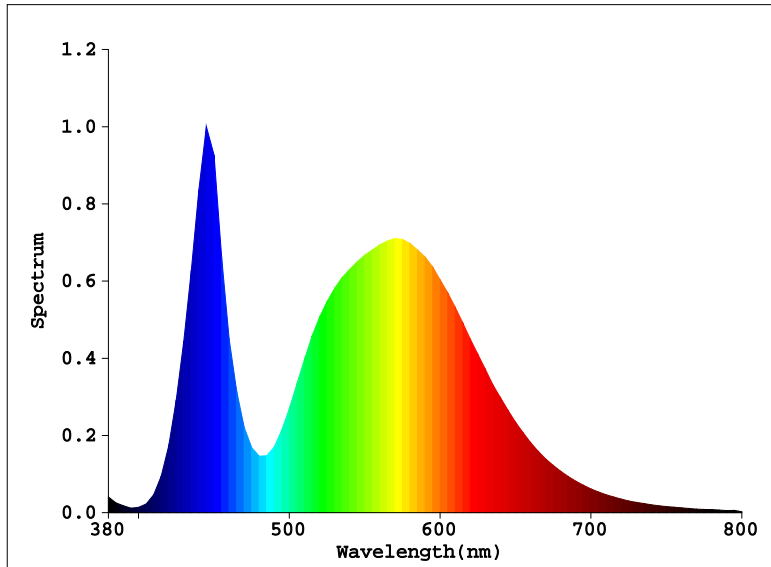
Scan Range: 380.0nm-800.0nm Interval: 5.0nm[0]  $I_p=18646(G=2, D=49)$   
 REF=14591(R=3) %=-0.261% PMT: 27.9 centigrade [150.0]

**裸光**

Product Type:17800  
 Number:DK173-5050-12LED  
 Temperature:25 deg  
 Test Operator:CELIO  
 Software:V2.00.100

Manufacturer:MANKUN ELECTRONIC CO.,LTD.  
 Test Department:MANKUN  
 Humidity:65%  
 Test Date:2020-03-25 11:05:13  
 Instrument:PMS-80\_V1 (SN:1007038)

**Light Source Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3406$   $y=0.3516$   
 Chromaticity Coordinate:  $u'=0.3406$   $v'=0.3516$  ( $duv=1.84e-03$ )  
 $T_c=5176K$  Dominant WL:  $L_d=567.7nm$  Purity=7.7% Centroid WL:  $551.0nm$   
 Ratio:  $R=15.0\%$   $G=82.0\%$   $B=3.0\%$  Peak WL:  $L_p=445.0nm$  HWL:  $27.3nm$   
 Render Index:  $R_a=70.9$   
 R1 =68    R2 =75    R3 =81    R4 =72    R5 =70    R6 =67    R7 =79  
 R8 =55    R9 =-37    R10=42    R11=69    R12=47    R13=68    R14=89    R15=62

**Photo Parameters:**

Flux: 8927.9 lm     $F_e=27.014 W$     Efficacy:  $112.1 lm/W$

**Electrical Parameters:**

Lamp :  $U=75.84V$   $I=1.050A$   $P=79.63W$   $PF=1.000$

*Instrument Status:*

Scan Range:  $380.0nm-800.0nm$     Interval:  $5.0nm[0]$      $I_p=20047(G=2, D=49)$   
 REF=16662(R=3)    %=-0.558%    PMT: 27.9 centigrade [150.0]

**裸光**

Product Type:17800  
 Number:DK173-5050-12LED  
 Temperature:25 deg  
 Test Operator:CELIO  
 Software:V2.00.100

Manufacturer:MANKUN ELECTRONIC CO.,LTD.  
 Test Department:MANKUN  
 Humidity:65%  
 Test Date:2020-03-25 11:07:08  
 Instrument:PMS-80\_V1 (SN:1007038)