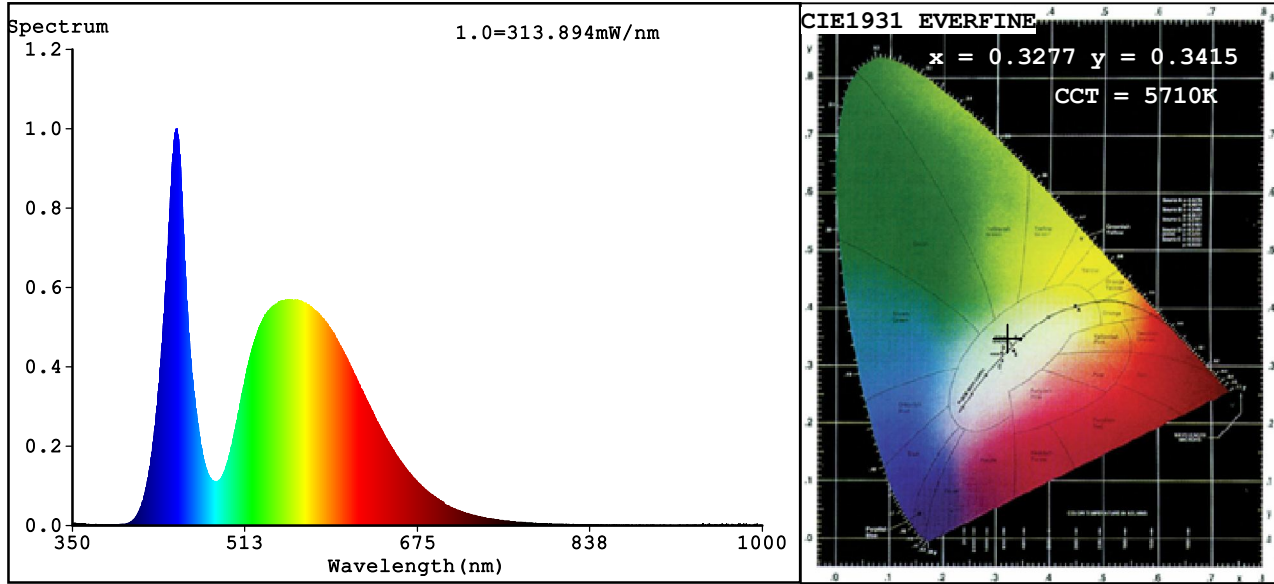


**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3277$   $y=0.3415$   $u'=0.2035$   $v'=0.4771$

CCT=5710K (Duv=0.0024) Dominant WL:Ld =512.5nm Purity=1.8%

Ratio:R=13.2% G=83.4% B=3.4%; Peak WL:Lp=448.6nm FWHM=23.6nm

Render Index:Ra=72.3

R1 =71	R2 =76	R3 =77	R4 =74	R5 =72	R6 =67	R7 =81	
R8 =61	R9 =0	R10=41	R11=71	R12=43	R13=71	R14=87	R15=66

**Photo Parameters:**

Flux = 10691 lm Eff. : 77.32 lm/W Fe = 33.00 W

**Electrical parameters:**

V = 229.73 V I = 0.6157 A P = 138.3 W PF = 0.9776

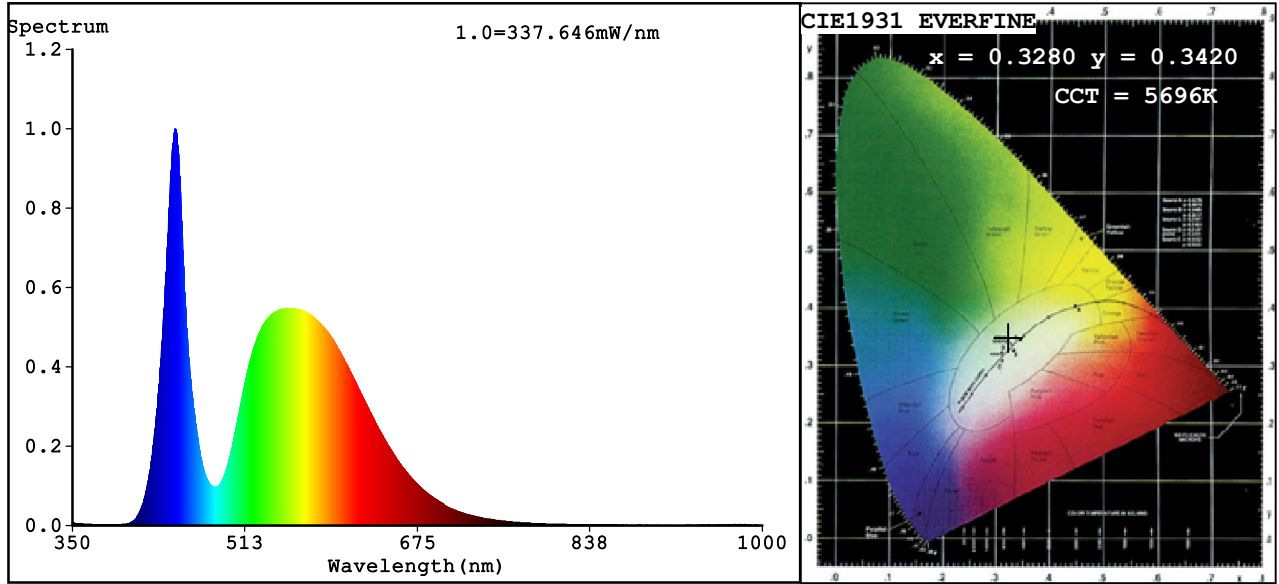
WHITE:ANSI\_5700K

Status: Integral T = 3 ms Ip = 40791 (62%)

Model:HELIOS SMD/150W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:98HELIOS150  
Date:2018-03-16 10:24  
Humidity:65.0%  
Remarks:017V055B\_4288

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3280$   $y=0.3420$   $u'=0.2035$   $v'=0.4774$   
 CCT=5696K(Duv=0.0025) Dominant WL:Ld =515.3nm Purity=1.8%  
 Ratio:R=13.2% G=83.6% B=3.3%;;Peak WL:Lp=447.2nm FWHM=22.3nm  
 Render Index:Ra=71.7  
 R1 =70 R2 =75 R3 =77 R4 =74 R5 =71 R6 =66 R7 =80  
 R8 =61 R9 =0 R10=39 R11=71 R12=43 R13=70 R14=87 R15=66

**Photo Parameters:**

Flux = 11079 lm Eff. : 79.16 lm/W Fe = 34.07 W

**Electrical parameters:**

V = 229.83 V I = 0.6226 A P = 140.0 W PF = 0.9782

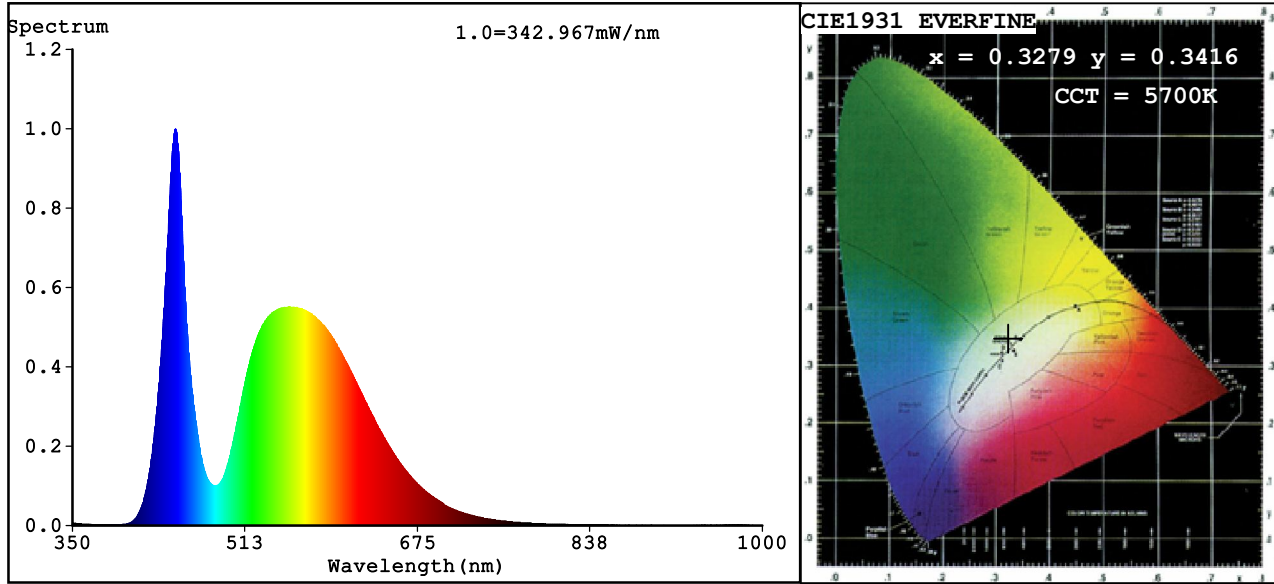
WHITE:ANSI\_5700K

Status: Integral T = 3 ms Ip = 43651 (67%)

Model:HELIOS SMD/150W  
 Tester:Petya Marinova  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:98HELIOS150  
 Date:2018-03-16 10:32  
 Humidity:65.0%  
 Remarks:017V055B\_4288

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3279$   $y=0.3416$   $u'=0.2036$   $v'=0.4771$

CCT=5700K(Duv=0.0023) Dominant WL:Ld =513.4nm Purity=1.8%

Ratio:R=13.2% G=83.5% B=3.3%;;Peak WL:Lp=447.2nm FWHM=22.6nm

Render Index:Ra=71.9

R1 =71	R2 =75	R3 =77	R4 =74	R5 =72	R6 =66	R7 =80	
R8 =61	R9 =0	R10=39	R11=72	R12=43	R13=70	R14=87	R15=66

**Photo Parameters:**

Flux = 11327 lm Eff. : 80.61 lm/W Fe = 34.87 W

**Electrical parameters:**

V = 229.84 V I = 0.6251 A P = 140.5 W PF = 0.9782

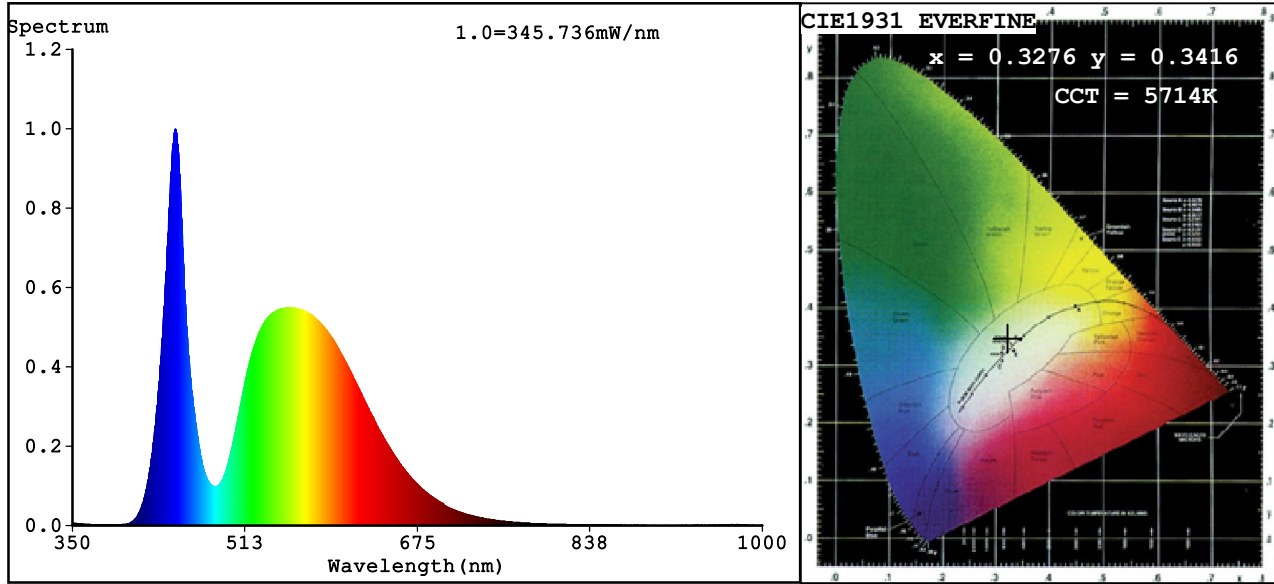
WHITE:ANSI\_5700K

Status: Integral T = 3 ms Ip = 44340 (68%)

Model:HELIOS SMD/150W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:98HELIOS150  
Date:2018-03-16 10:40  
Humidity:65.0%  
Remarks:017V055B\_4288

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3276$   $y=0.3416$   $u'=0.2034$   $v'=0.4771$

CCT=5714K (Duv=0.0024) Dominant WL:Ld =512.2nm Purity=1.8%

Ratio:R=13.2% G=83.6% B=3.3%; Peak WL:Lp=447.2nm FWHM=22.5nm

Render Index:Ra=71.8

R1 =70	R2 =75	R3 =77	R4 =74	R5 =72	R6 =66	R7 =80	
R8 =61	R9 =0	R10=39	R11=72	R12=43	R13=70	R14=87	R15=66

**Photo Parameters:**

Flux = 11383 lm Eff. : 80.96 lm/W Fe = 35.04 W

**Electrical parameters:**

V = 229.80 V I = 0.6255 A P = 140.6 W PF = 0.9782

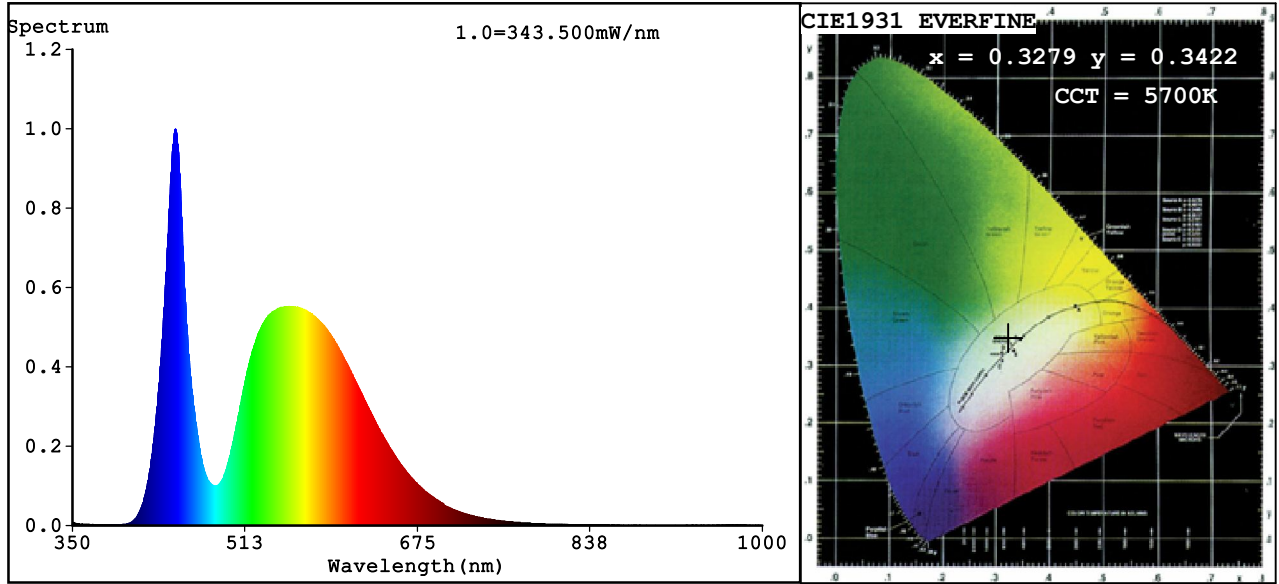
WHITE:ANSI\_5700K

Status: Integral T = 3 ms Ip = 44698 (68%)

Model:HELIOS SMD/150W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:98HELIOS150  
Date:2018-03-16 10:50  
Humidity:65.0%  
Remarks:017V055B\_4288

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3279$   $y=0.3422$   $u'=0.2034$   $v'=0.4774$   
 CCT=5700K(Duv=0.0026) Dominant WL:Ld =515.1nm Purity=1.8%  
 Ratio:R=13.2% G=83.6% B=3.3%;;Peak WL:Lp=447.2nm FWHM=22.5nm  
 Render Index:Ra=71.7  
 R1 =70 R2 =75 R3 =77 R4 =74 R5 =71 R6 =66 R7 =80  
 R8 =61 R9 =0 R10=39 R11=71 R12=43 R13=70 R14=87 R15=66

**Photo Parameters:**

Flux = 11370 lm Eff. : 81.01 lm/W Fe = 34.95 W

**Electrical parameters:**

V = 229.83 V I = 0.6244 A P = 140.3 W PF = 0.9780

WHITE:ANSI\_5700K

Status: Integral T = 3 ms Ip = 44409 (68%)

Model:HELIOS SMD/150W  
 Tester:Petya Marinova  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:98HELIOS150  
 Date:2018-03-16 11:27  
 Humidity:65.0%  
 Remarks:017V055B\_4288