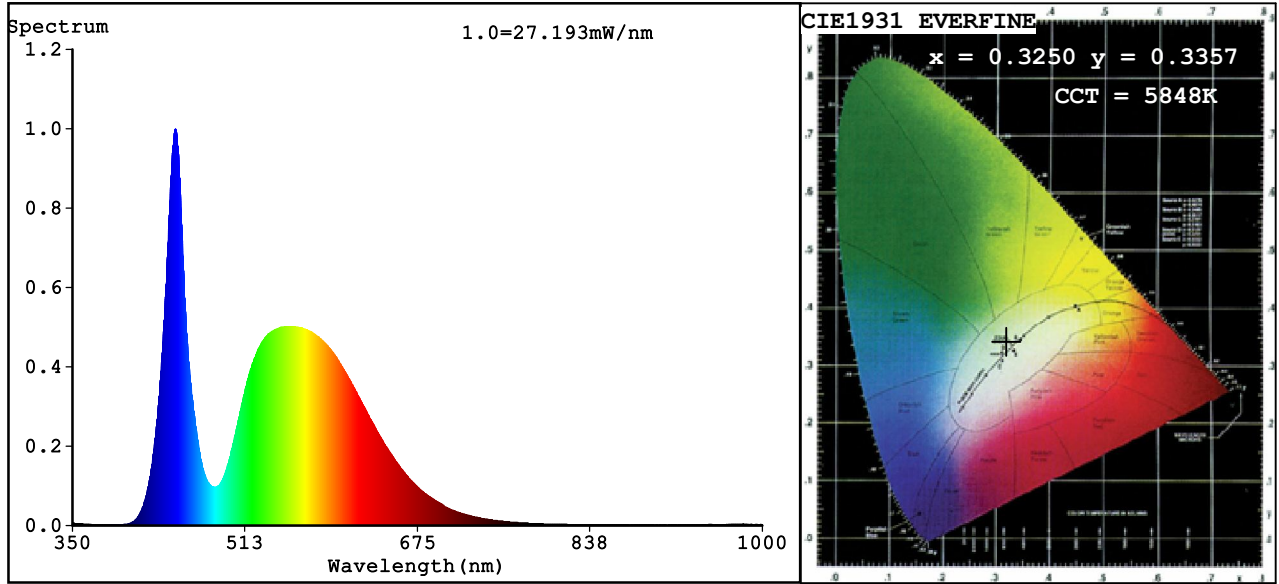


**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3250$   $y=0.3357$   $u'=0.2038$   $v'=0.4737$

CCT=5848K(Duv=0.0007) Dominant WL:Ld =495.4nm Purity=2.7%

Ratio:R=13.3% G=83.2% B=3.5%;;Peak WL:Lp=447.2nm FWHM=21.2nm

Render Index:Ra=73.3

R1 =73	R2 =76	R3 =77	R4 =75	R5 =74	R6 =68	R7 =81	
R8 =63	R9 =0	R10=42	R11=74	R12=45	R13=72	R14=87	R15=69

**Photo Parameters:**

Flux = 828.0 lm Eff. : 94.13 lm/W Fe = 2.590 W

**Electrical parameters:**

V = 229.87 V I = 0.06424 A P = 8.796 W PF = 0.5956

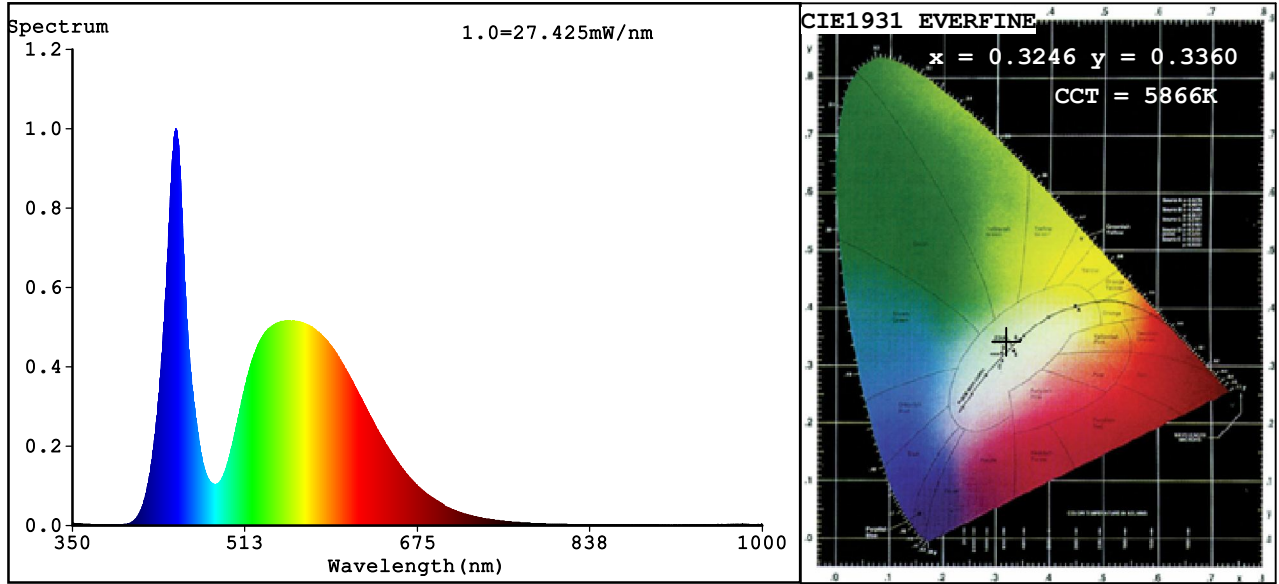
WHITE:ANSI\_5700K

Status: Integral T = 43 ms Ip = 50390 (77%)

Model:HELIOS10/10W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:98HELIOS10  
Date:2018-03-09 12:43  
Humidity:65.0%  
Remarks:017V055B\_4288

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3246$   $y=0.3360$  /  $u'=0.2034$   $v'=0.4738$   
 CCT=5866K (Duv=0.0010) Dominant WL:Ld =495.6nm Purity=2.8%  
 Ratio:R=13.3% G=83.2% B=3.5%;; Peak WL:Lp=447.3nm FWHM=22.0nm  
 Render Index:Ra=73.5  
 R1 =73 R2 =76 R3 =77 R4 =75 R5 =74 R6 =68 R7 =81  
 R8 =63 R9 =0 R10=42 R11=74 R12=45 R13=72 R14=87 R15=69

**Photo Parameters:**

Flux = 857.6 lm Eff. : 100.14 lm/W Fe = 2.683 W

**Electrical parameters:**

V = 229.93 V I = 0.06196 A P = 8.565 W PF = 0.6012

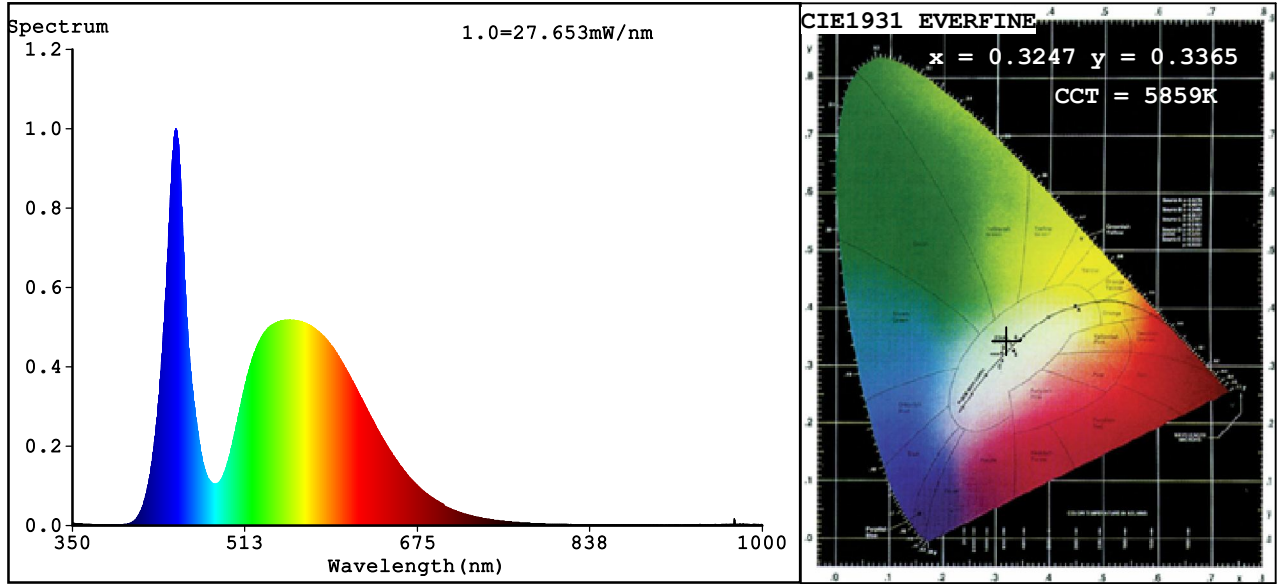
WHITE:ANSI\_5700K

Status: Integral T = 43 ms Ip = 50952 (78%)

Model:HELIOS10/10W  
 Tester:Petya Marinova  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:98HELIOS10  
 Date:2018-03-09 12:57  
 Humidity:65.0%  
 Remarks:017V055B\_4288

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3247$   $y=0.3365$   $u'=0.2033$   $v'=0.4741$

CCT=5859K (Duv=0.0012) Dominant WL:Ld =496.5nm Purity=2.7%

Ratio:R=13.3% G=83.2% B=3.5%;; Peak WL:Lp=447.5nm FWHM=22.1nm

Render Index:Ra=73.5

R1 =73	R2 =76	R3 =77	R4 =75	R5 =74	R6 =68	R7 =81	
R8 =63	R9 =0	R10=42	R11=74	R12=45	R13=72	R14=87	R15=69

**Photo Parameters:**

Flux = 868.6 lm Eff. : 100.45 lm/W Fe = 2.715 W

**Electrical parameters:**

V = 229.97 V I = 0.06293 A P = 8.648 W PF = 0.5976

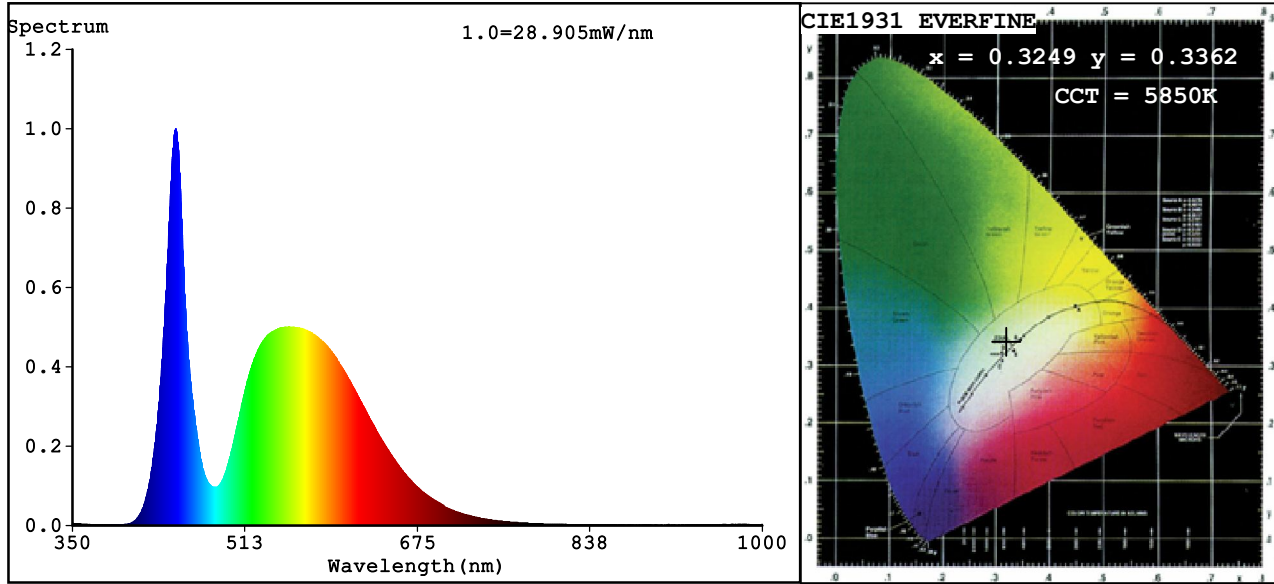
WHITE:ANSI\_5700K

Status: Integral T = 43 ms Ip = 51381 (78%)

Model:HELIOS10/10W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:98HELIOS10  
Date:2018-03-09 13:02  
Humidity:65.0%  
Remarks:017V055B\_4288

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3249$   $y=0.3362$   $u'=0.2036$   $v'=0.4739$

CCT=5850K(Duv=0.0009) Dominant WL:Ld =496.0nm Purity=2.7%

Ratio:R=13.3% G=83.2% B=3.5%;;Peak WL:Lp=447.3nm FWHM=21.1nm

Render Index:Ra=73.3

R1 =73	R2 =76	R3 =77	R4 =75	R5 =74	R6 =68	R7 =81	
R8 =63	R9 =0	R10=42	R11=74	R12=44	R13=72	R14=87	R15=69

**Photo Parameters:**

Flux = 877.2 lm Eff. : 100.79 lm/W Fe = 2.738 W

**Electrical parameters:**

V = 229.96 V I = 0.06310 A P = 8.703 W PF = 0.5997

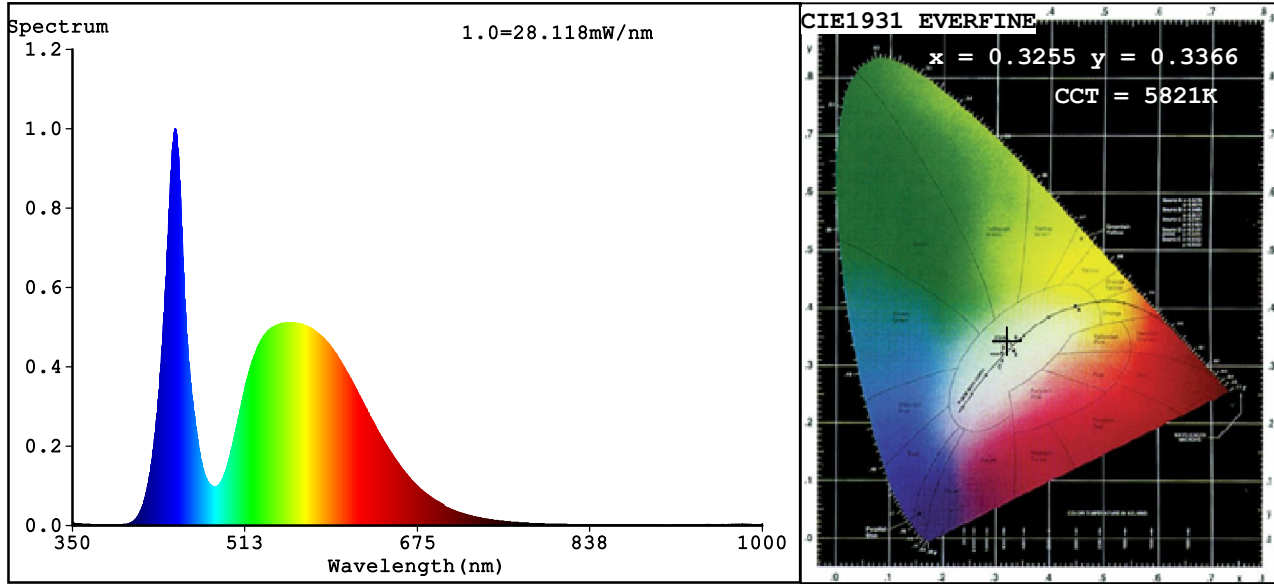
WHITE:ANSI\_5700K

Status: Integral T = 43 ms Ip = 53642 (82%)

Model:HELIOS10/10W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:98HELIOS10  
Date:2018-03-09 13:06  
Humidity:65.0%  
Remarks:017V055B\_4288

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3255$   $y=0.3366$   $u'=0.2038$   $v'=0.4742$

CCT=5821K (Duv=0.0009) Dominant WL:Ld =497.0nm Purity=2.5%

Ratio:R=13.3% G=83.2% B=3.4%;; Peak WL:Lp=446.6nm FWHM=21.7nm

Render Index:Ra=73.1

R1 =73	R2 =76	R3 =77	R4 =75	R5 =74	R6 =68	R7 =80	
R8 =63	R9 =0	R10=41	R11=74	R12=45	R13=72	R14=87	R15=68

**Photo Parameters:**

Flux = 872.3 lm Eff. : 100.94 lm/W Fe = 2.726 W

**Electrical parameters:**

V = 229.94 V I = 0.06250 A P = 8.642 W PF = 0.6013

WHITE:ANSI\_5700K

Status: Integral T = 43 ms Ip = 52081 (79%)

Model:HELIOS10/10W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:98HELIOS10  
Date:2018-03-09 13:08  
Humidity:65.0%  
Remarks:017V055B\_4288