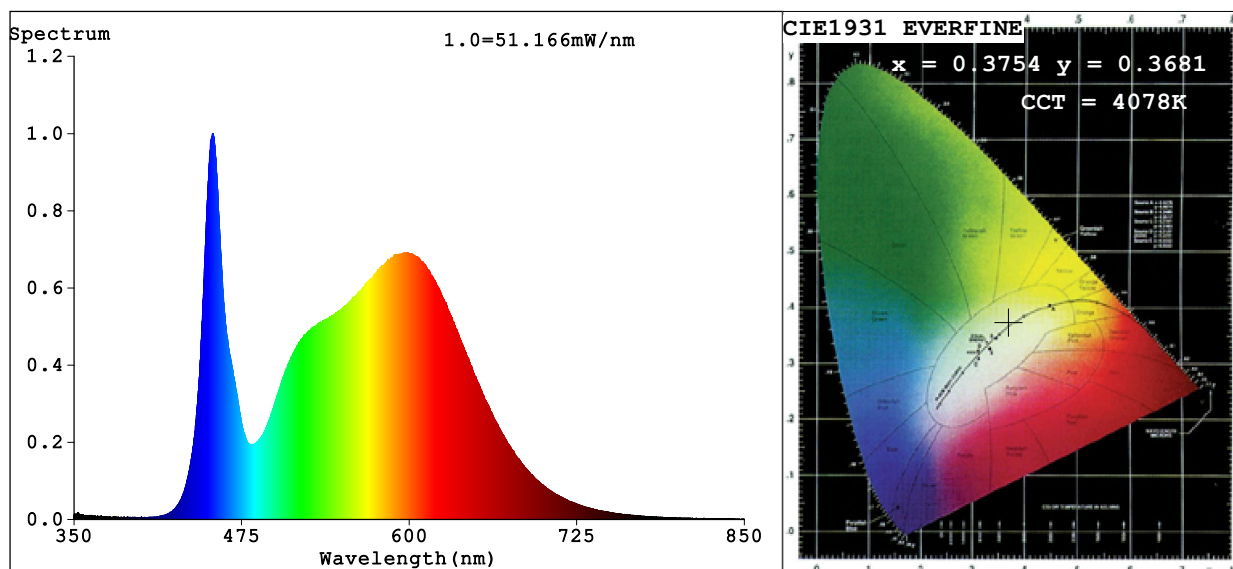


## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.3754$   $y=0.3681$   $u'=0.2252$   $v'=0.4970$

CCT=4078K (Duv=-0.0026) Dominant WL:Ld =580.4nm Purity=23.1%

Ratio:R=18.7% G=77.6% B=3.8%; Peak WL:Lp=453.6nm FWHM=18.0nm

Render Index:Ra=85.1 CRI=79.0 TM30:Rf=82 Rg=96

R1 =85 R2 =92 R3 =95 R4 =84 R5 =84 R6 =87 R7 =87

R8 =68 R9 =20 R10=79 R11=83 R12=59 R13=87 R14=97 R15=80

### Photo Parameters:

Flux = 2038 lm Eff. : 115.64 lm/W Fe = 6.316 W

### Electrical parameters:

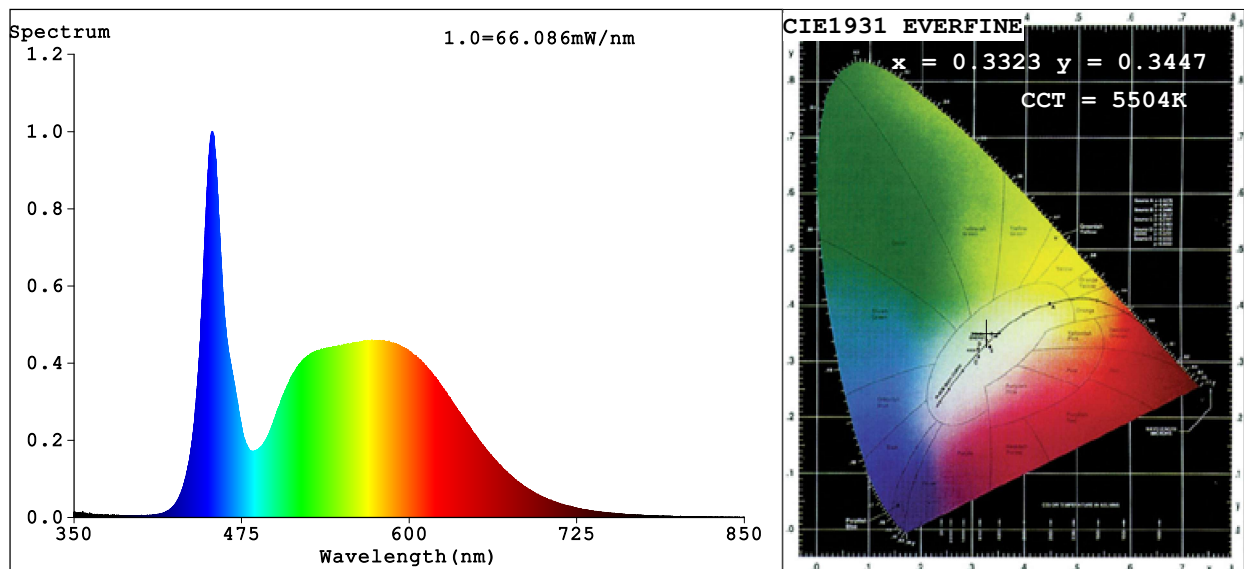
V = 230.10 V I = 0.08122 A P = 17.62 W PF = 0.9430

Status: Integral T = 936 ms Ip = 49802 (76%)

Model:Kiss Codo 45°  
Tester:Alejandro Hervas  
Temperature:20Deg  
Manufacturer:Luz Negra

Number:89.107 (NW)  
Date:2026-02-23 08:39:52  
Humidity:50%  
Remarks:Luminaria Completa

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.3323$   $y=0.3447$   $u'=0.2054$   $v'=0.4794$   
CCT=5504K (Duv=0.0019) Dominant WL:Ld =550.1nm Purity=3.2%  
Ratio:R=14.9% G=80.4% B=4.7%; Peak WL:Lp=453.2nm FWHM=18.2nm  
Render Index:Ra=83.3 CRI=76.1 TM30:Rf=81 Rg=95  
R1 =82 R2 =88 R3 =91 R4 =83 R5 =82 R6 =82 R7 =88  
R8 =70 R9 =13 R10=70 R11=82 R12=54 R13=84 R14=95 R15=78

### Photo Parameters:

Flux = 1962 lm Eff. : 108.06 lm/W Fe = 6.199 W

### Electrical parameters:

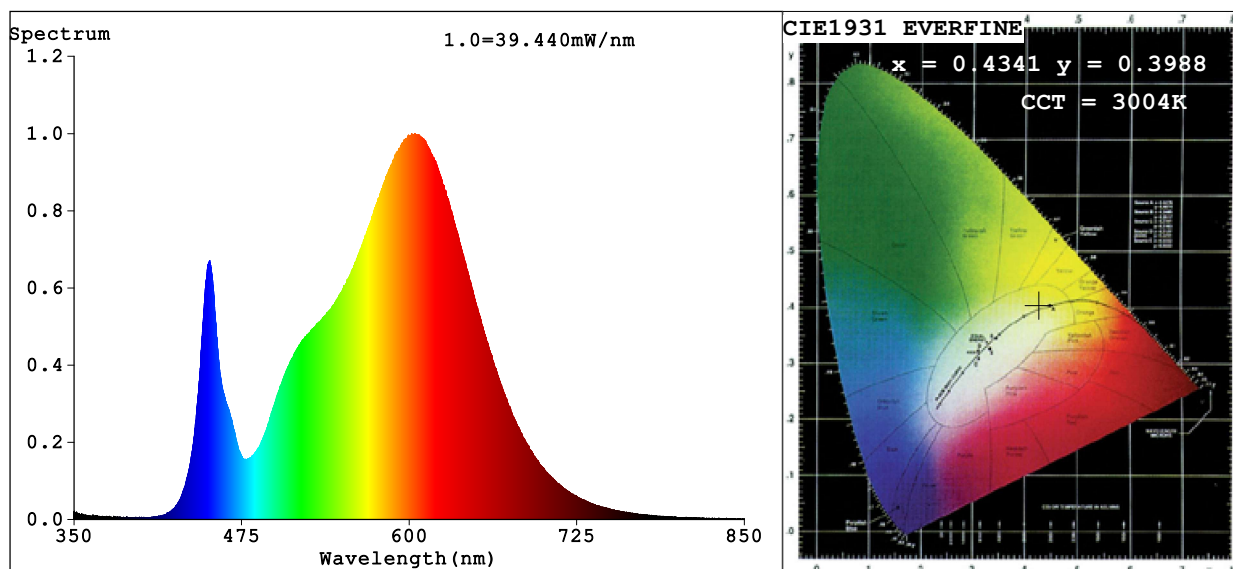
V = 230.10 V I = 0.08349 A P = 18.16 W PF = 0.9452

Status: Integral T = 792 ms Ip = 49697 (76%)

Model:Kiss Codo 45°  
Tester:Alejandro Hervas  
Temperature:20Deg  
Manufacturer:Luz Negra

Number:89.107 (CW)  
Date:2026-02-23 08:40:46  
Humidity:50%  
Remarks:Luminaria Completa

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.4341$   $y=0.3988$   $u'=0.2510$   $v'=0.5189$

CCT=3004K (Duv=-0.0017) Dominant WL:Ld =583.4nm Purity=50.0%

Ratio:R=23.0% G=74.6% B=2.5%; Peak WL:Lp=604.2nm FWHM=125.0nm

Render Index:Ra=82.3 CRI=76.8 TM30:Rf=81 Rg=97

R1 =81 R2 =91 R3 =96 R4 =80 R5 =81 R6 =89 R7 =82

R8 =58 R9 =5 R10=79 R11=80 R12=70 R13=83 R14=99 R15=74

### Photo Parameters:

Flux = 1900 lm Eff. : 104.08 lm/W Fe = 5.754 W

### Electrical parameters:

V = 230.10 V I = 0.08394 A P = 18.26 W PF = 0.9454

Status: Integral T = 792 ms Ip = 46238 (71%)

Model:Kiss Codo 45°  
Tester:Alejandro Hervas  
Temperature:20Deg  
Manufacturer:Luz Negra

Number:89.107 (WW)  
Date:2026-02-23 08:41:13  
Humidity:50%  
Remarks:Luminaria Completa