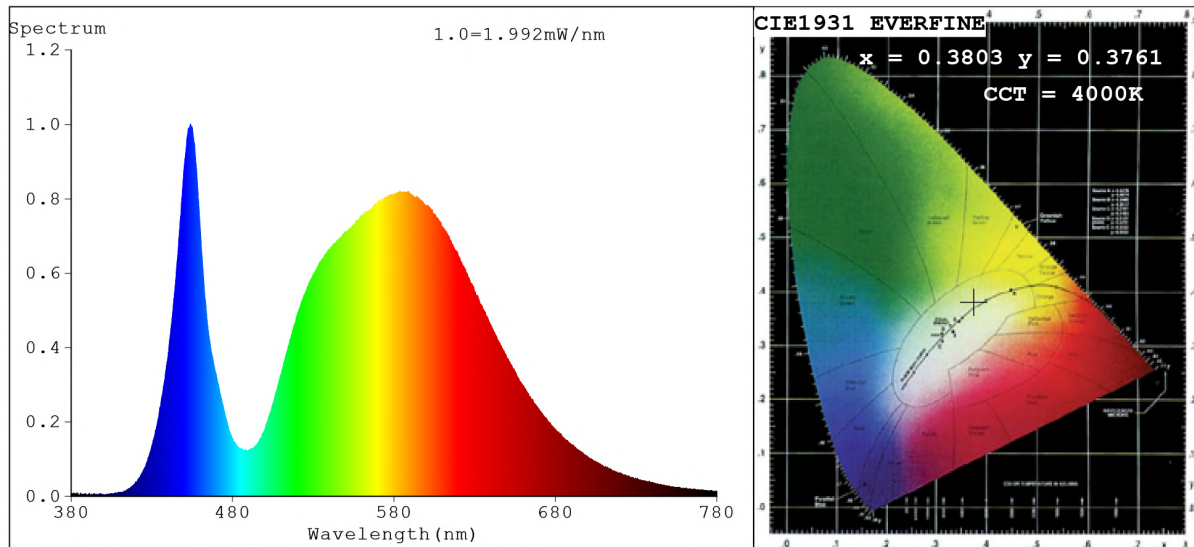


## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.3803$   $y=0.3761$  /  $u'=0.2253$   $v'=0.5013$   
 CCT=4000K (Duv=-0.0003) Dominant WL:  $\lambda_d = 579.2\text{nm}$  Purity=27.0%  
 Ratio: R=17.2% G=80.1% B=2.7%; Peak WL:  $\lambda_p = 453.9\text{nm}$  FWHM=20.4nm  
 Render Index: Ra=74.2 CRI=65.6 TM30: Rf=73 Rg=93  
 R1 =72 R2 =81 R3 =87 R4 =72 R5 =70 R6 =72 R7 =83  
 R8 =57 R9 =0 R10=53 R11=65 R12=40 R13=74 R14=92 R15=68

### Photo Parameters:

Flux = 92.48 lm Eff. : 4.78 lm/W Fe = 271.9 mW Scotopic: 143.1 S/P: 1.5474

### Electrical parameters:

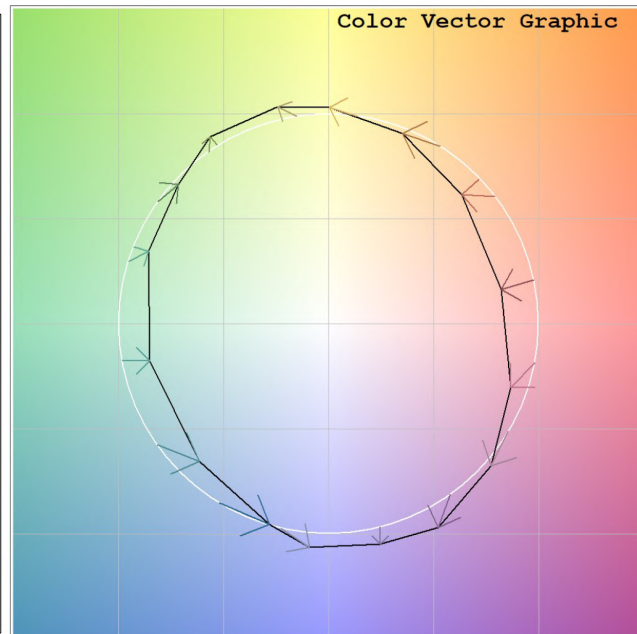
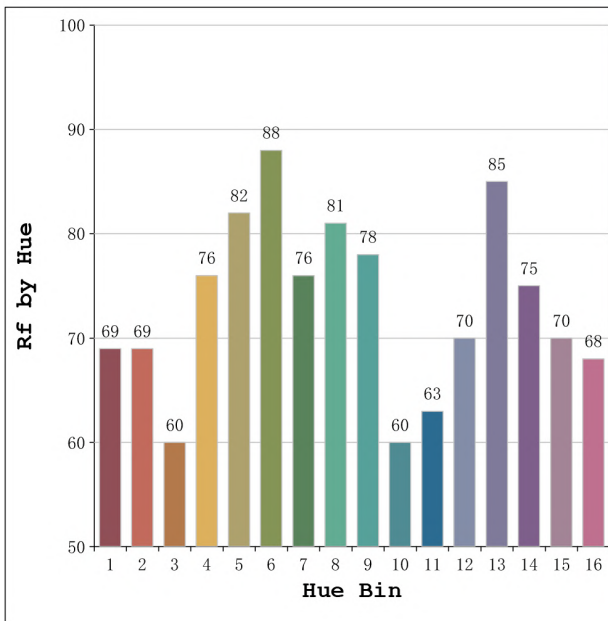
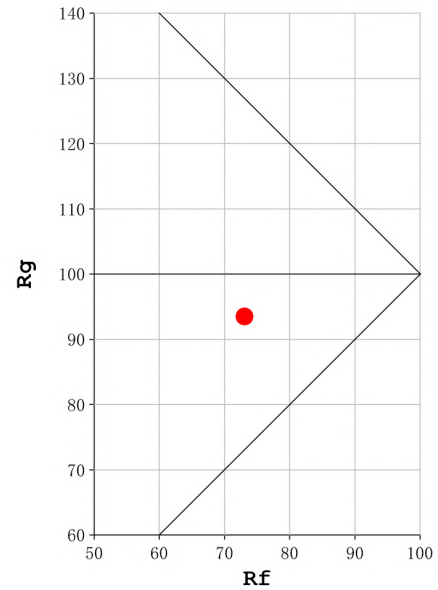
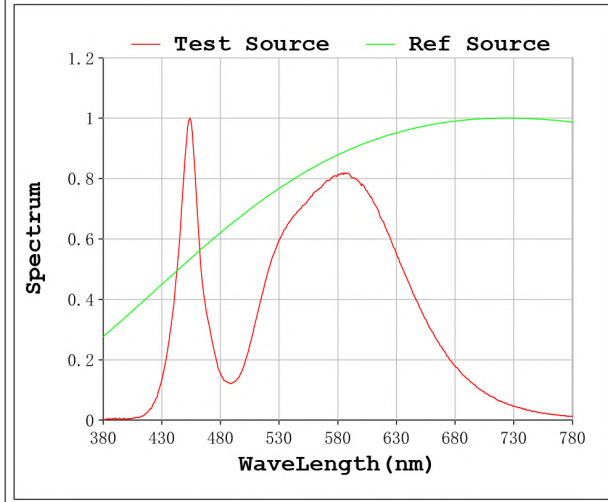
V = 11.998 V I = 1.613 A P = 19.35 W PF = 1.000

Status: Integral T = 5000 ms Ip = 17582 (27%)

Model: Ecoled Mérida 4000K  
 Tester: Sergio Carneros  
 Temperature: 20Deg  
 Manufacturer: Luz Negra

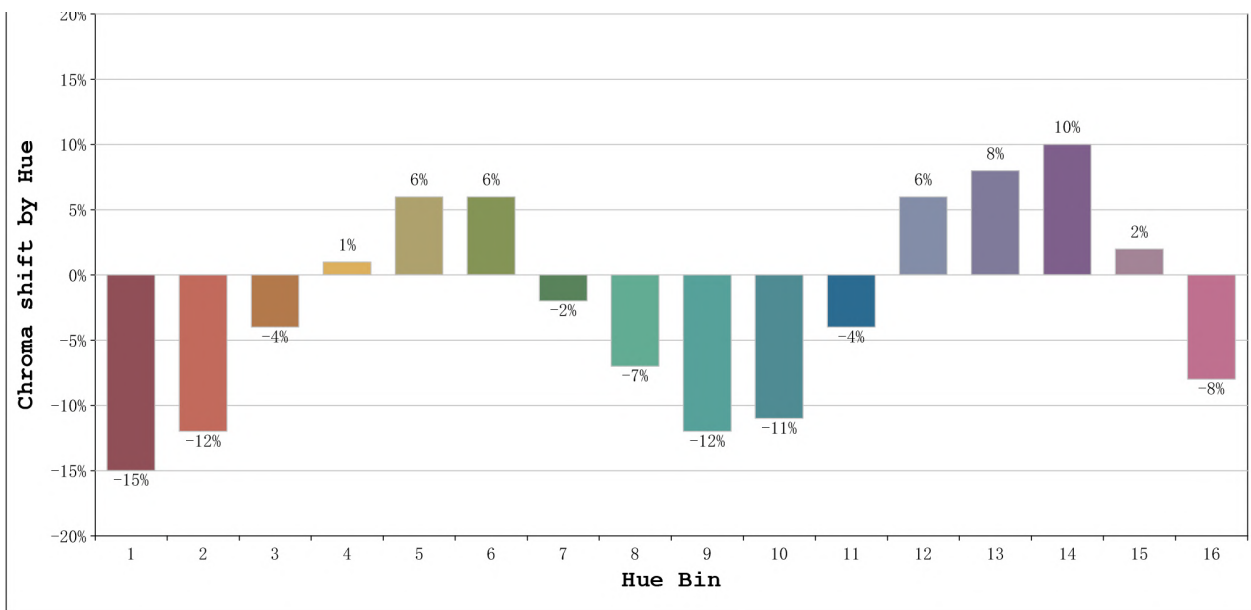
Number: 43.025  
 Date: 2023-03-04 11:08:20  
 Humidity: 50%  
 Remarks: 20modulos led

**Rf: 73**      **CCT: 4000 K**      **u': 0.2253**  
**Rg: 93**      **Duv: -0.0003**      **v': 0.5013**



Model:Ecoled Mérida 4000K  
 Tester:Sergio Carneros  
 Temperature:20Deg  
 Manufacturer:Luz Negra

Number: 43.025  
 Date:2023-03-04 11:08:20  
 Humidity:50%  
 Remarks:20modulos led



			Graphic shift(%)	
Hue Bin	Hue Angle	Rf	Chroma	Hue
1	0.0° - 22.5°	69	-15	0
2	22.5° - 45.0°	69	-12	9
3	45.0° - 67.5°	60	-4	18
4	67.5° - 90.0°	76	1	14
5	90.0° - 112.5°	82	6	8
6	112.5° - 135.0°	88	6	-4
7	135.0° - 157.5°	76	-2	-11
8	157.5° - 180.0°	81	-7	-6
9	180.0° - 202.5°	78	-12	3
10	202.5° - 225.0°	60	-11	18
11	225.0° - 247.5°	63	-4	26
12	247.5° - 270.0°	70	6	15
13	270.0° - 292.5°	85	8	-1
14	292.5° - 315.0°	75	10	-12
15	315.0° - 337.5°	70	2	-17
16	337.5° - 360.0°	68	-8	-13

Model:Ecoled Mérida 4000K  
 Tester:Sergio Carneros  
 Temperature:20Deg  
 Manufacturer:Luz Negra

Number: 43.025  
 Date:2023-03-04 11:08:20  
 Humidity:50%  
 Remarks:20modulos led