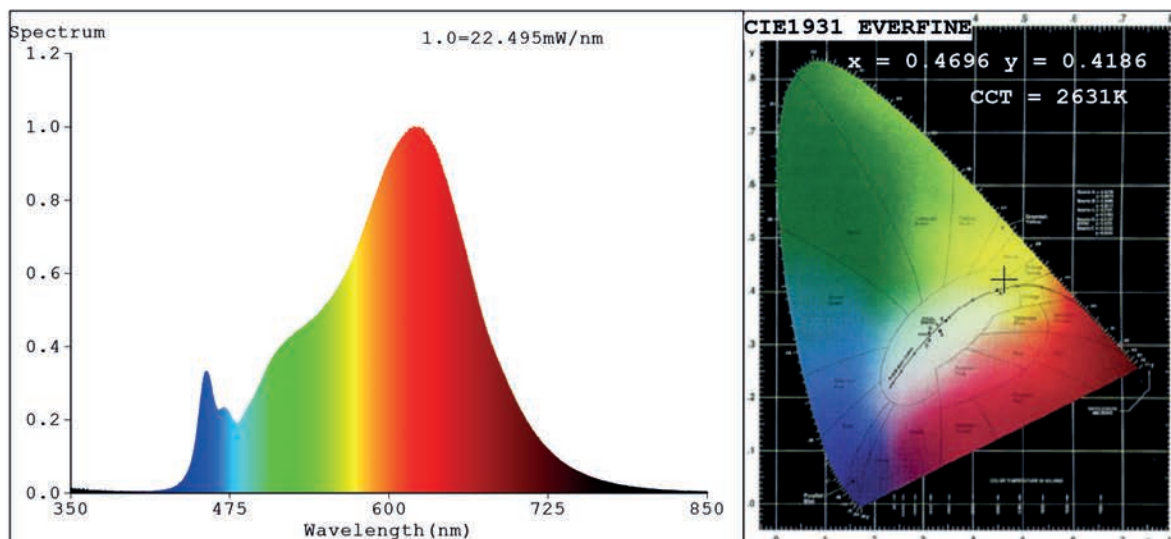


## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.4696$   $y=0.4186$   $u'=0.2651$   $v'=0.5318$   
 CCT=2631K(Duv=0.0022) Dominant WL:Ld =583.9nm Purity=66.6%  
 Ratio:R=27.1% G=70.4% B=2.5%; Peak WL:Lp=619.4nm FWHM=124.2nm  
 Render Index:Ra=91.8 CRI=89.6 TM30:Rf=88 Rg=95  
 R1 =93 R2 =98 R3 =96 R4 =92 R5 =93 R6 =97 R7 =88  
 R8 =76 R9 =50 R10=96 R11=96 R12=85 R13=95 R14=99 R15=86

### Photo Parameters:

Flux = 991.3 lm Eff. : 91.05 lm/W Fe = 3.354 W

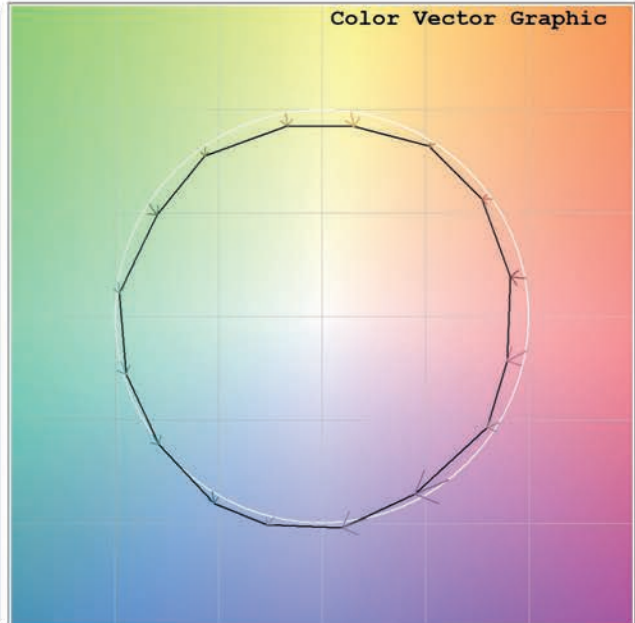
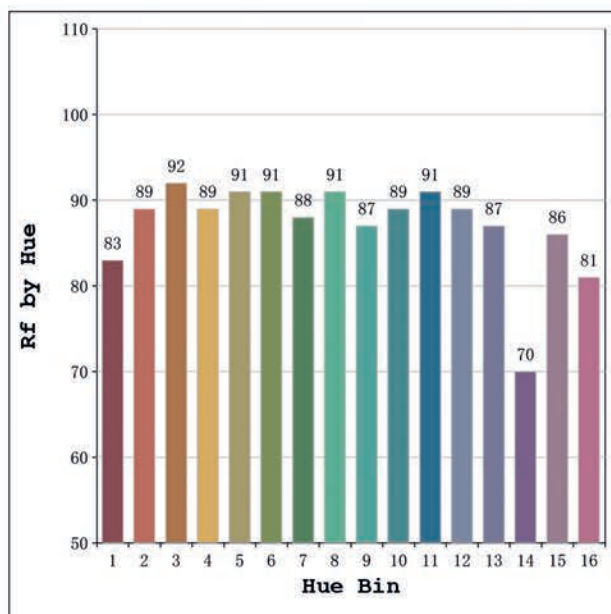
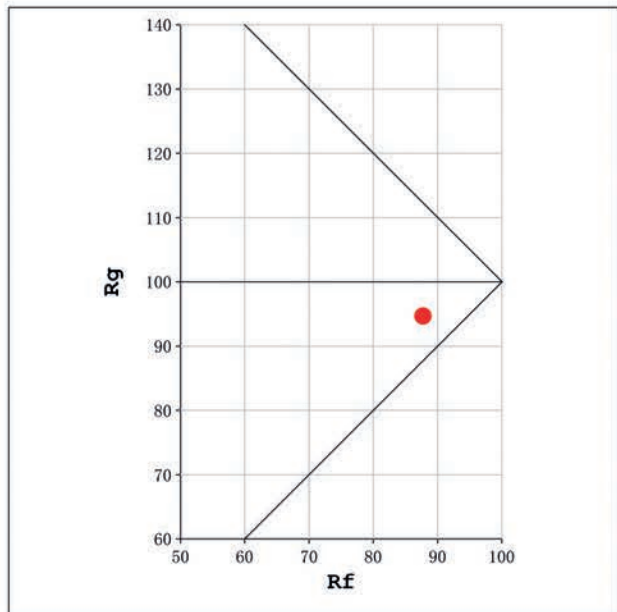
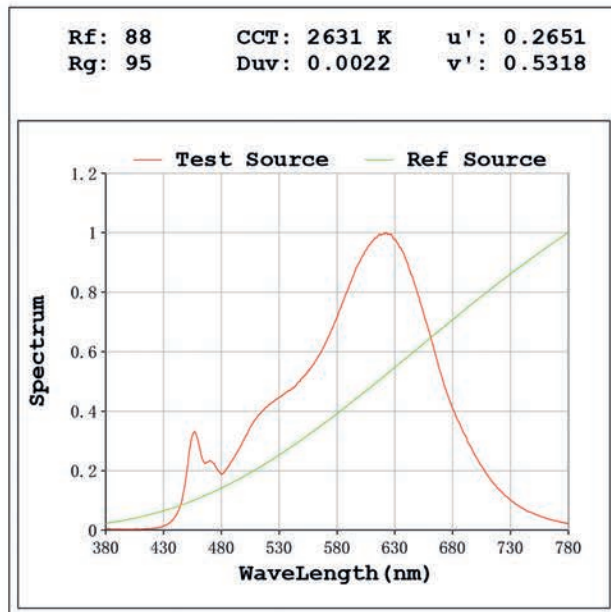
### Electrical parameters:

V = 23.998 V I = 0.4537 A P = 10.89 W PF = 1.000

Status: Integral T = 1308 ms Ip = 54837 (84%)

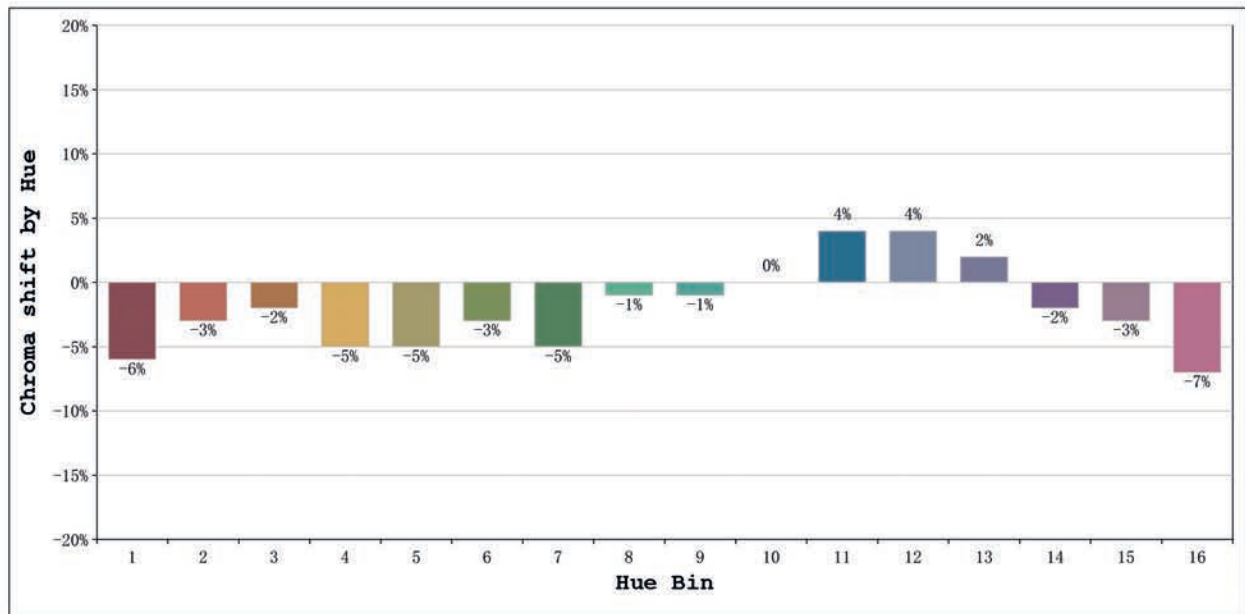
Model:Ecoled COB saunas  
 Tester:Sergio Carneros  
 Temperature:20Deg  
 Manufacturer:Luz Negra

Number: 31.243  
 Date:2025-06-16 13:57:21  
 Humidity:50%  
 Remarks:100cm de tira flexible



Model:Ecoled COB saunas  
 Tester:Sergio Carneros  
 Temperature:20Deg  
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 Humidity:50%  
 Remarks:100cm de tira flexible



|         |                 |    | Graphic shift(%) |     |
|---------|-----------------|----|------------------|-----|
| Hue Bin | Hue Angle       | Rf | Chroma           | Hue |
| 1       | 0.0° - 22.5°    | 83 | -6               | 2   |
| 2       | 22.5° - 45.0°   | 89 | -3               | 3   |
| 3       | 45.0° - 67.5°   | 92 | -2               | 2   |
| 4       | 67.5° - 90.0°   | 89 | -5               | -2  |
| 5       | 90.0° - 112.5°  | 91 | -5               | 0   |
| 6       | 112.5° - 135.0° | 91 | -3               | 3   |
| 7       | 135.0° - 157.5° | 88 | -5               | 2   |
| 8       | 157.5° - 180.0° | 91 | -1               | 5   |
| 9       | 180.0° - 202.5° | 87 | -1               | 6   |
| 10      | 202.5° - 225.0° | 89 | 0                | 6   |
| 11      | 225.0° - 247.5° | 91 | 4                | 4   |
| 12      | 247.5° - 270.0° | 89 | 4                | -2  |
| 13      | 270.0° - 292.5° | 87 | 2                | -11 |
| 14      | 292.5° - 315.0° | 70 | -2               | -17 |
| 15      | 315.0° - 337.5° | 86 | -3               | -4  |
| 16      | 337.5° - 360.0° | 81 | -7               | -5  |

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