



## **SIRC-2000 Spectral Image Radiance Colorimeter**

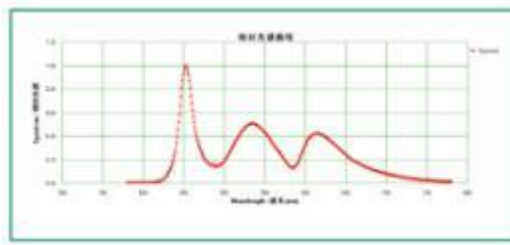
**More powerful functions and higher accuracy to overcome the defects of the original luminance measurement**

**Patented double CCD design integrates luminance image and spectral analysis**

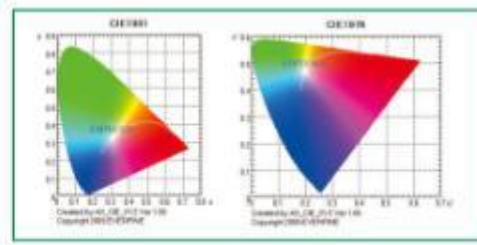
SIRC-2000 is a new generation of luminance meter, it adapts patented technologies to overcome the drawbacks of former ones, that it can not only precisely analysis the luminance image but also acquire the spectral and colorimetric information of an aiming point.

### **Main characteristics**

- 1) Patented double CCD design and more powerful functions
- 2) High precision, one sampling to realize the measurement of luminance uniformity, with high test efficiency.
- 3) High performance CCD array detector design with high resolution of 0.6nm/pixel makes the measurement of monochromatic light more advantageous.
- 4) Wide wavelength range : 350nm-1000nm, luminance range 0.1-1,000,000cd/m<sup>2</sup>
- 5) Equipped with TFT liquid crystal and touch screen , suitable for laboratory and on site testing



Relative spectral curve



CIE chromaticity diagram

**Welcome to contact Sales Center of EVERFINE for more details.**

- 1) Wavelength range: 350~1000nm
- 2) Wavelength resolution: 0.6nm/pixel
- 3) Wavelength accuracy :  $\pm 0.3\text{nm}$
- 4) Viewing angle:  $1^\circ$
- 5) Viewing field:  $8^\circ$
- 6) Measurement distance: 400mm to infinity(standard lens)
- 7) Measurement area: about  $\Phi 5.6\text{mm}$  (at 400mm)
- 8) Luminance range<sup>\*\*1</sup>(under standard A source):  $0.1\text{-}5000\text{cd/m}^2$  ;
- 9) Chromaticity coordinates accuracy(x, y): 0.0015 (high than  $0.2\text{cd/m}^2$ , under standard A source)



**LED Display**



**Automotive Display**



**Smart Phone**



**Touch Screen**