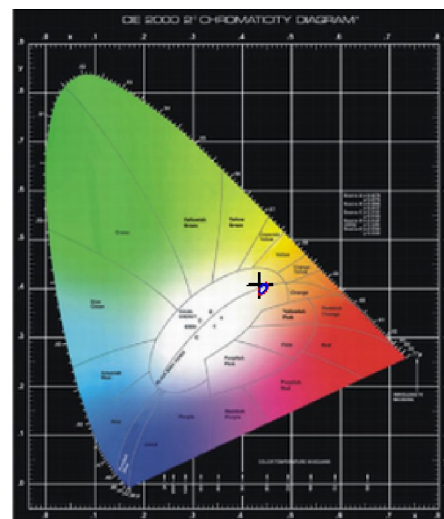
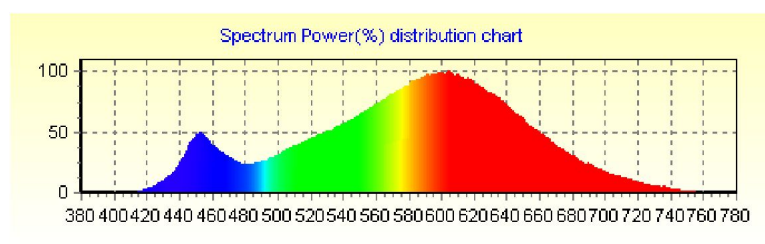


# LED Integrated Testing System test report

|                      |                                                                                     |                      |
|----------------------|-------------------------------------------------------------------------------------|----------------------|
| test item:           | LED spectrum analyse                                                                |                      |
| equipment:           | Led test system                                                                     |                      |
| certificate we have: | The certificate of CSA, optoelectronic oranization of COEMA and Hi-tech enterprice. |                      |
| Test Identifier      | Mode: LEDLAMP E14                                                                   | Manufacturer: INCOMP |
|                      | Temperature: 22 °C                                                                  | Humidity: 65 %       |
|                      | Conner: 5630 SHARLIGHT                                                              | Date: 2013.OKT.4     |
|                      | Organ: INCOMP                                                                       |                      |

curve of spectrum power distributing



| Spectrum              |                | Electrical paramete |             |          |  |
|-----------------------|----------------|---------------------|-------------|----------|--|
| $\lambda$ (Peak):     | 604.3 nm       | I (test):           | 44.000 mA   |          |  |
| $\lambda$ (Main):     | 581.1 nm       | Vf:                 | 228.100 V   |          |  |
| $\lambda$ (Centroid): | 550.4 nm       | $\phi v$ :          | 349.131 lm  |          |  |
| $\lambda$ (Center):   | 514.0 nm       | Efficiency:         | 69.021 lm/w |          |  |
| BandWidth:            | 130.0 nm       | P:                  | 5.0 W       |          |  |
| ColorTemp:            | 3143 K         | PFC:                | 0.504       |          |  |
| CIE(x,y):             | 0.4319, 0.4105 | R1:79.5             | R2:90.1     | R3:96.4  |  |
| CIE(u,v):             | 0.2447, 0.3488 | R4:78.4             | R5:79.7     | R6:87.6  |  |
| Ra:                   | 81.7           | R7:82.8             | R8:59.0     | R9:6.7   |  |
| Purity:               | 0.529          | R10:76.7            | R11:71.7    | R12:68.0 |  |
| Light Power:          | 1111.8785 mw   | R13:81.5            | R14:98.5    | R15:72.9 |  |

Remark: