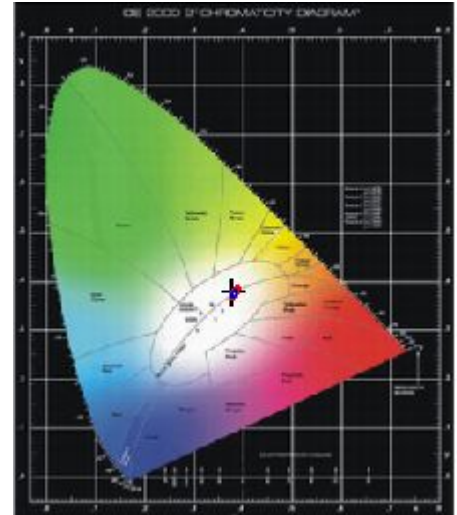
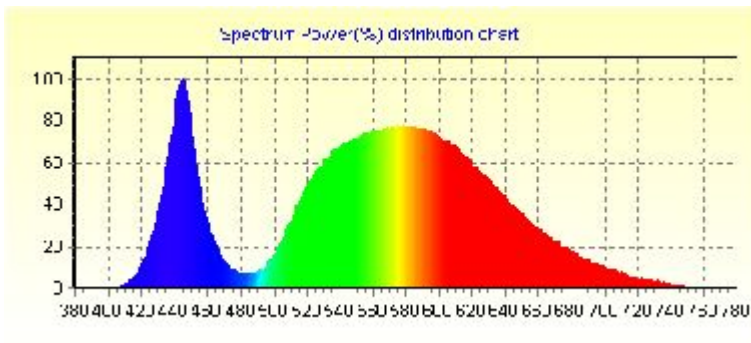


# LED Integrated Testing System test report

|                      |  |          |                           |
|----------------------|--|----------|---------------------------|
| test item:           | LED spectrum analyse   |          |                           |
| equipment:           | Led test system  |          |                           |
| certificate we have: | The certificate of CSA, optoelectronic oranzation of COEMA and Hi-tech enterprice. |          |                           |
| Test Identifier      | Mode:  | WD GU10G | Manufacturer: iINCOMP LTD |
|                      | Temperature:   | 21 °C    | Humidity: 65 %            |
|                      | Conner:  | 5630/16  | Date: 2013.march.21       |
|                      | Organ:   | incomp   |                           |

curve of spectrum power distributing



| Spectrum                  | Electrical paramete |              |           |
|---------------------------|---------------------|--------------|-----------|
| (Peak): 446.0 nm          | I(test):            | 37.000 mA    |           |
| (Main): 576.2 nm          | Vf:                 | 228.300 V    |           |
| (Centroid): 434.8 nm      | v:                  | 436.205 lm   |           |
| (Center): 436.0 nm        | Efficiency:         | 101.254 lm/w |           |
| BandWidth: 22.0 nm        | P:                  | 4.3 W        |           |
| ColorTemp: 4194 K         | PFC:                | 0.510        |           |
| CIE(x,y): 0.3747, 0.3813  | Ra1:70.3            | Ra2:75.6     | Ra3:78.7  |
| CIE(u,v): 0.2196, 0.3351  | Ra4:70.8            | Ra5:67.6     | Ra6:64.0  |
| Ra: 70.5                  | Ra7:79.1            | Ra8:57.8     | Ra9:-20.5 |
| Purity: 0.269             | Ra10:39.7           | Ra11:73.0    | Ra12:37.4 |
| Light Power: 1481.9130 mw | Ra13:69.4           | Ra14:87.3    | Ra15:65.3 |

Remark:  
SHARLIGHT 15 PERC UTAN