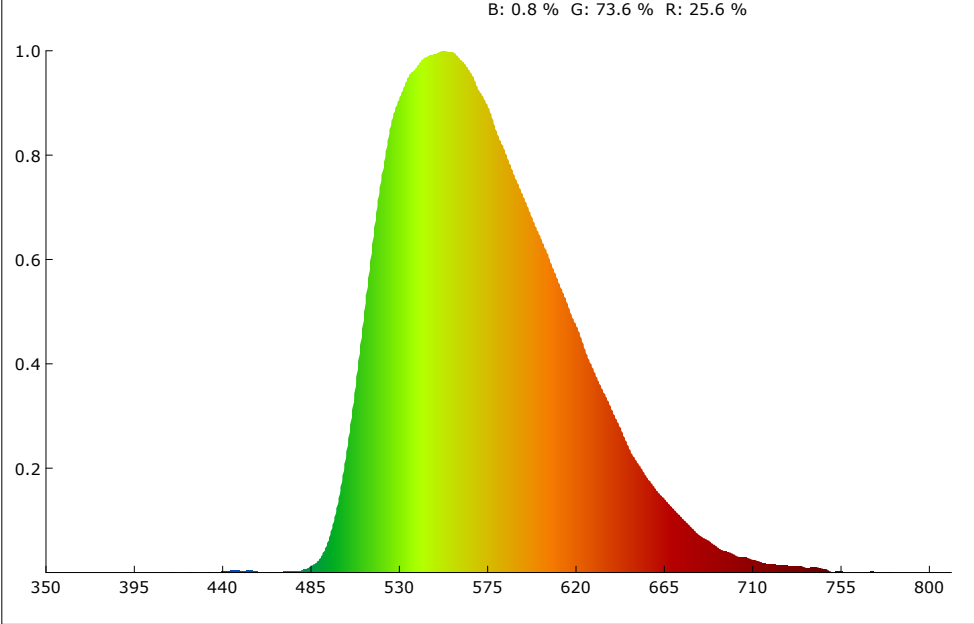
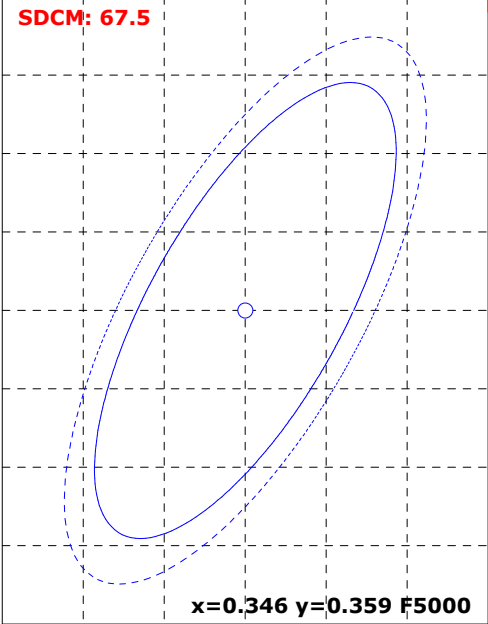


Spectrogram



SDCM



Color Parameter:

x: 0.4263      y: 0.5545      u: 0.1937      v: 0.3780      u': 0.1937      v': 0.5670  
R\_ratio: 25.6 %      G\_ratio: 73.6 %      B\_ratio: 0.8 %      RedRatio: 10.9 %      GreenRatio: 89.1 %      BlueRatio: 0.0 %

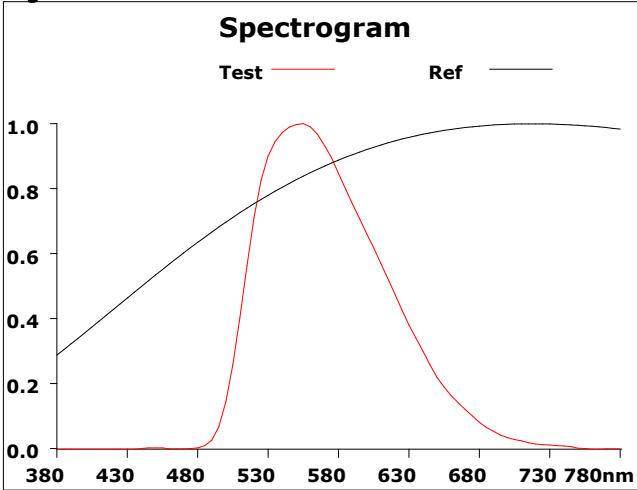
Ra: 27.6      AvgR: 13.2  
R1: 38.9      R2: 40.2      R3: 26.7      R4: -1.5      R5: 36.6      R6: 34.8      R7: 30.9      R8: 14.2  
R9: -99.0      R10: -21.5      R11: -27.7      R12: 3.3      R13: 37.1      R14: 63.1      R15: 22.6

CCT: 4039 K      Flux: 694.596 lm      PeakWave: 556.5 nm      SDCM: 67.5  
S/P: 1.2      CentralWave: 564.8 nm      DominantWave: 568.2 nm      CentroidWave: 573.8 nm  
HalfWidth: 104.2 nm      duv: 0.05373      purity: 94.6 %      CQS: 11.3  
LER(TM-30): 486.3      Ep: 1428.3 mw      Rg: 22.9      Rf: 16.3  
Red Ep: 362.6 mw      Near red Ep: 11.4 mw      Near infrared Ep: 0.0 mw

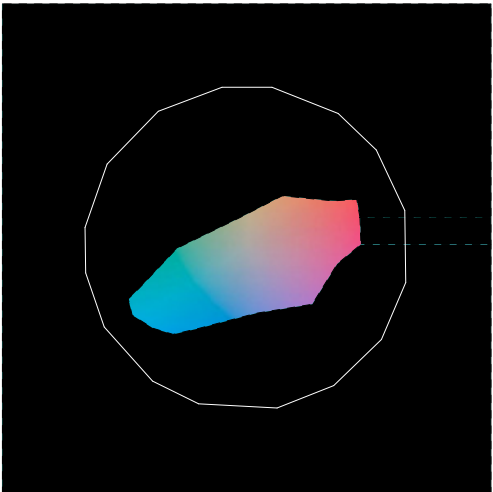
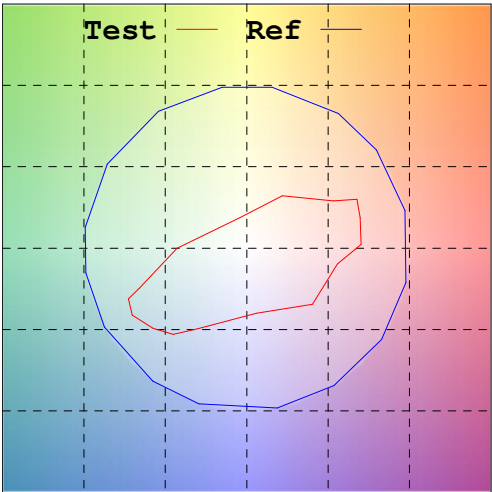
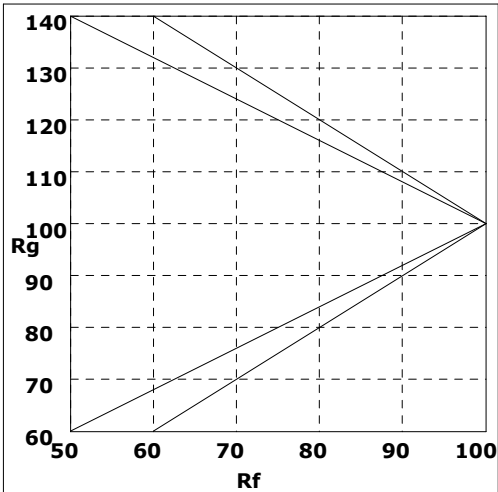
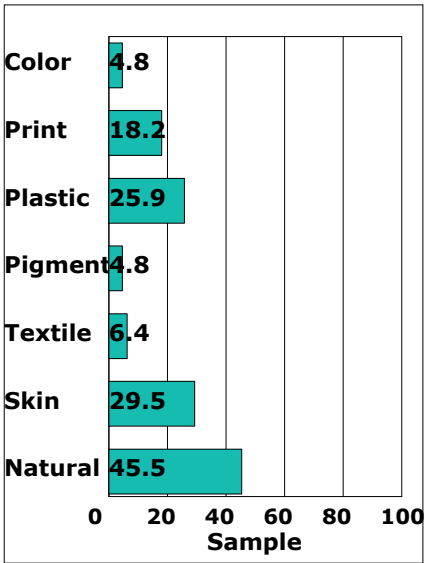
Electrical parameters:

Effic: 13.2 Lm/W      Energy: 14.4      Effi: G  
U: 220.1 V      I: 0.390 A      P: 52.470 W      Pf: 0.611

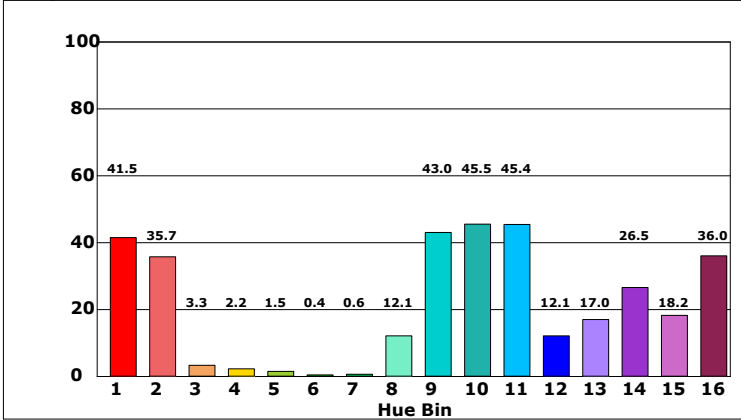
Rf: 16.3 CCT: 4039K u': 0.1937  
Rg: 22.9 LER: 486.3 Duv: 0.05373 v': 0.5670



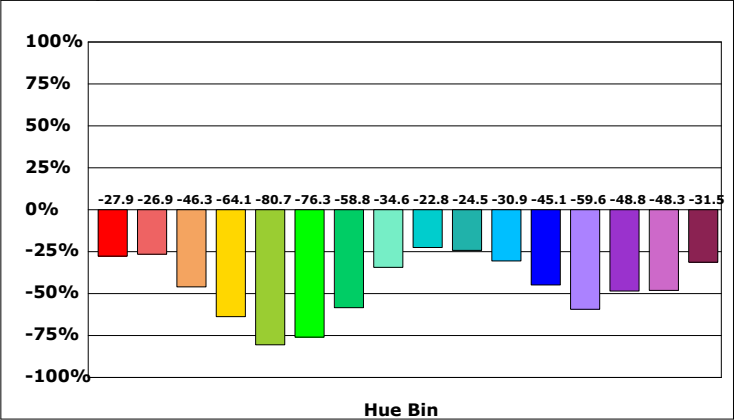
| 500     |      |        |        |
|---------|------|--------|--------|
| Hue Bin | Rf   | Chroma | Hue    |
| 1       | 41.5 | -27.9% | 1.0%   |
| 2       | 35.7 | -26.9% | -18.4% |
| 3       | 3.3  | -46.3% | -27.2% |
| 4       | 2.2  | -64.1% | -19.1% |
| 5       | 1.5  | -80.7% | 4.9%   |
| 6       | 0.4  | -76.3% | 37.2%  |
| 7       | 0.6  | -58.8% | 52.4%  |
| 8       | 12.1 | -34.6% | 37.8%  |
| 9       | 43.0 | -22.8% | 31.0%  |
| 10      | 45.5 | -24.5% | 17.4%  |
| 11      | 45.4 | -30.9% | -5.5%  |
| 12      | 12.1 | -45.1% | -9.5%  |
| 13      | 17.0 | -59.6% | -1.2%  |
| 14      | 26.5 | -48.8% | 16.8%  |
| 15      | 18.2 | -48.3% | 23.5%  |
| 16      | 36.0 | -31.5% | 17.5%  |



Rf by Bue



Chroma by Bue



Product model:  
Product number:  
Tester:  
Remarks:

Manufacturer: Guangzhou Hotion Technology Co.,  
Test unit:  
Date of observation: 03/17/14

