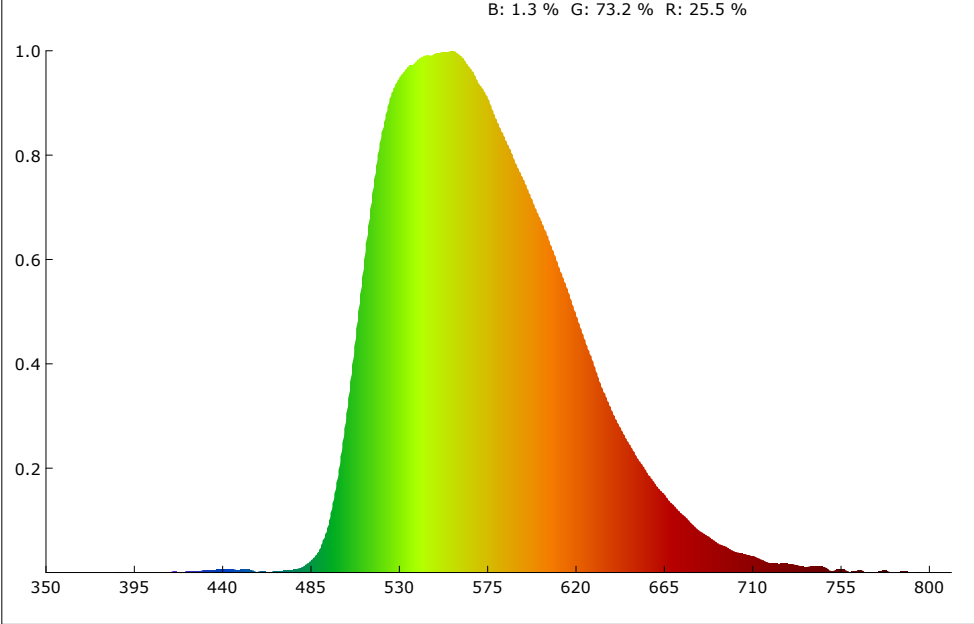
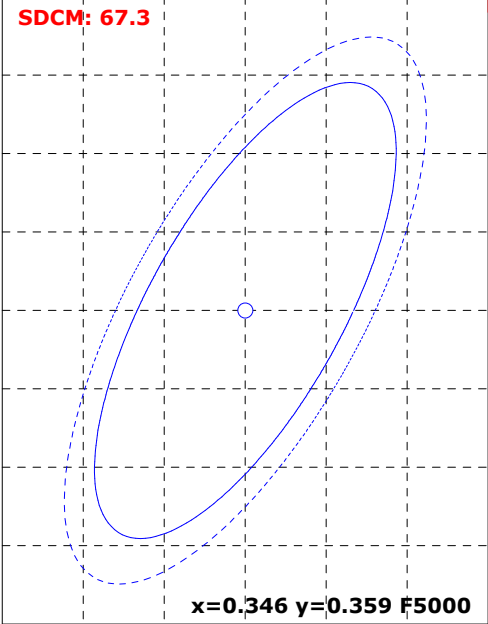


Spectrogram



SDCM



Color Parameter:

x: 0.4231      y: 0.5534      u: 0.1924      v: 0.3775      u': 0.1924      v': 0.5662  
R\_ratio: 25.5 %      G\_ratio: 73.2 %      B\_ratio: 1.3 %      RedRatio: 11.0 %      GreenRatio: 89.0 %      BlueRatio: 0.1 %

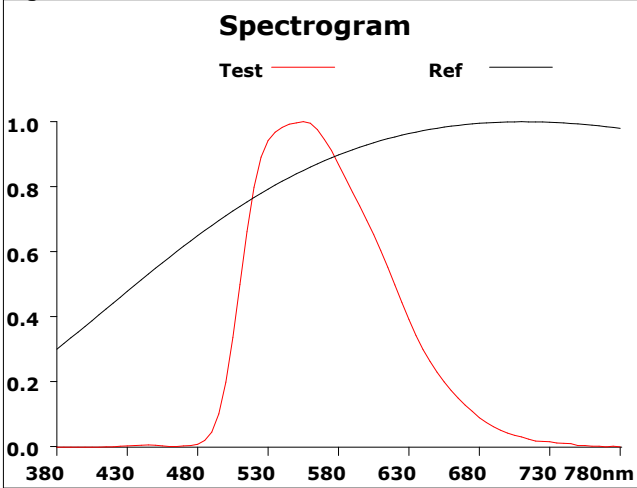
Ra: 32.2      AvgR: 18.1  
R1: 41.0      R2: 45.0      R3: 35.3      R4: 6.5      R5: 39.8      R6: 38.6      R7: 35.3      R8: 16.5  
R9: -99.0      R10: -11.7      R11: -17.6      R12: 9.4      R13: 40.2      R14: 68.2      R15: 24.5

CCT: 4077 K      Flux: 1001.916 lm      PeakWave: 557.7 nm      SDCM: 67.3  
S/P: 1.3      CentralWave: 564.4 nm      DominantWave: 567.9 nm      CentroidWave: 573.1 nm  
HalfWidth: 109.3 nm      duv: 0.05407      purity: 93.3 %      CQS: 16.4  
LER(TM-30): 479.2      Ep: 2091.0 mw      Rg: 29.6      Rf: 22.9  
Red Ep: 528.4 mw      Near red Ep: 20.8 mw      Near infrared Ep: 0.4 mw

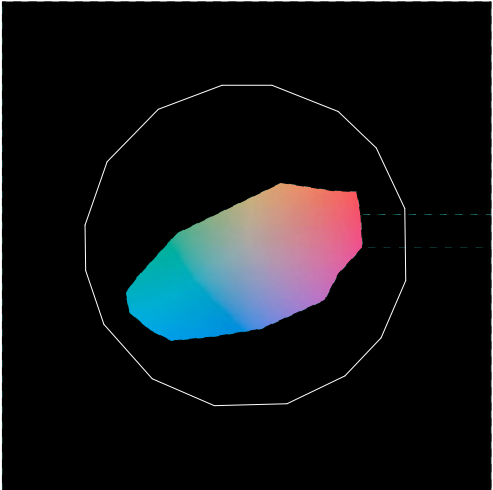
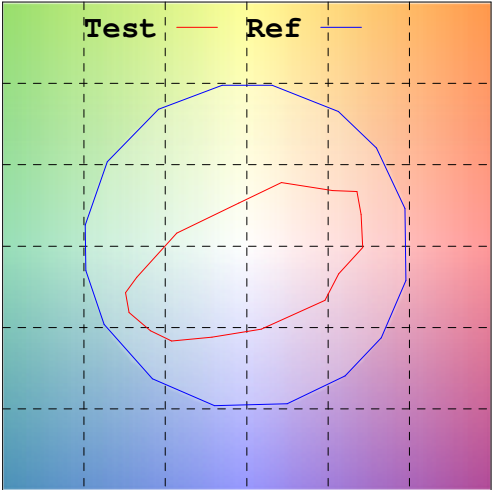
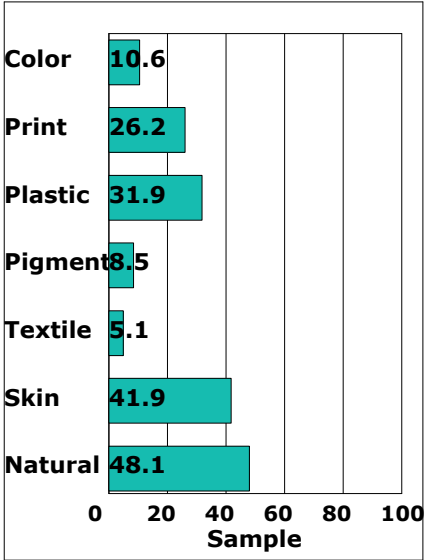
Electrical parameters:

Effic: 17.4 Lm/W      Energy: 19.0      Effi: G  
U: 219.3 V      I: 0.428 A      P: 57.420 W      Pf: 0.611

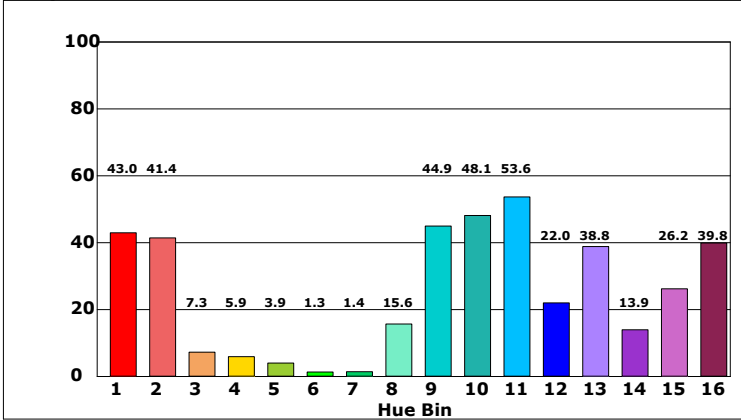
Rf: 22.9 CCT: 4077K u': 0.1924  
Rg: 29.6 LER: 479.2 Duv: 0.05407 v': 0.5662



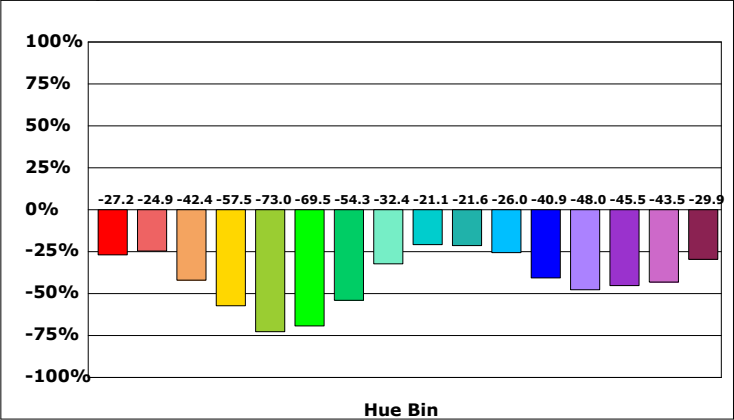
| 500     |      |        |        |
|---------|------|--------|--------|
| Hue Bin | Rf   | Chroma | Hue    |
| 1       | 43.0 | -27.2% | 1.5%   |
| 2       | 41.4 | -24.9% | -15.4% |
| 3       | 7.3  | -42.4% | -24.1% |
| 4       | 5.9  | -57.5% | -17.3% |
| 5       | 3.9  | -73.0% | 4.1%   |
| 6       | 1.3  | -69.5% | 33.0%  |
| 7       | 1.4  | -54.3% | 48.9%  |
| 8       | 15.6 | -32.4% | 36.0%  |
| 9       | 44.9 | -21.1% | 30.6%  |
| 10      | 48.1 | -21.6% | 19.1%  |
| 11      | 53.6 | -26.0% | -3.1%  |
| 12      | 22.0 | -40.9% | -9.7%  |
| 13      | 38.8 | -48.0% | -6.8%  |
| 14      | 13.9 | -45.5% | 15.4%  |
| 15      | 26.2 | -43.5% | 18.2%  |
| 16      | 39.8 | -29.9% | 14.7%  |



Rf by Bue



Chroma by Bue



Product model:  
Product number:  
Tester:  
Remarks:

Manufacturer: Guangzhou Hotion Technology Co.,  
Test unit:  
Date of observation: 03/19/14

