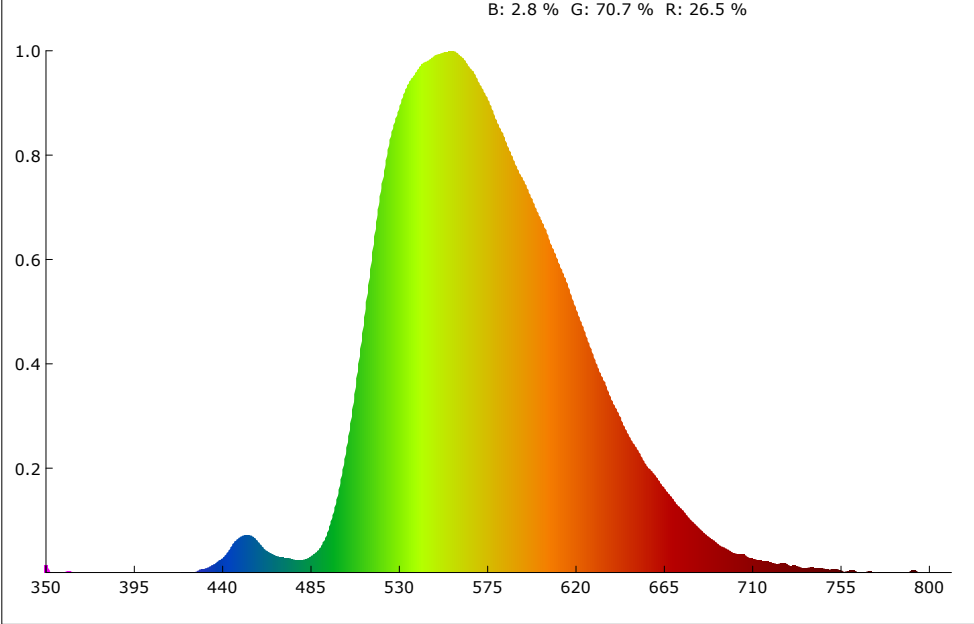
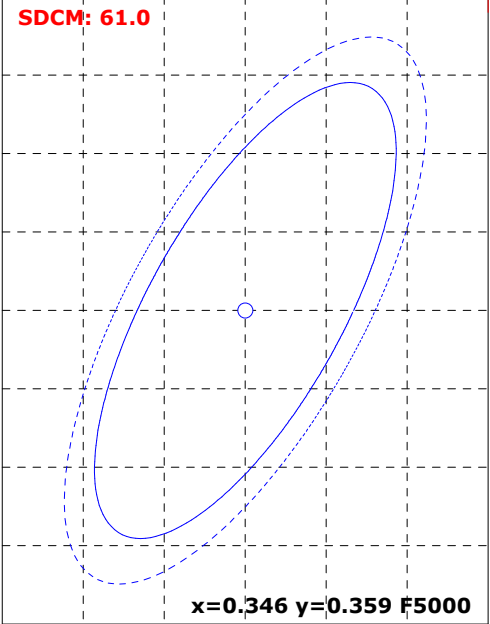


Spectrogram



SDCM



Color Parameter:

x: 0.4239 y: 0.5362 u: 0.1975 v: 0.3747 u': 0.1975 v': 0.5620
R_ratio: 26.5 % G_ratio: 70.7 % B_ratio: 2.8 % RedRatio: 11.5 % GreenRatio: 88.3 % BlueRatio: 0.2 %

Ra: 50.0 AvgR: 32.7
R1: 42.0 R2: 57.2 R3: 70.6 R4: 37.0 R5: 40.4 R6: 47.3 R7: 75.4 R8: 30.3
R9: -99.0 R10: 7.6 R11: 20.1 R12: 4.3 R13: 43.4 R14: 85.3 R15: 28.6

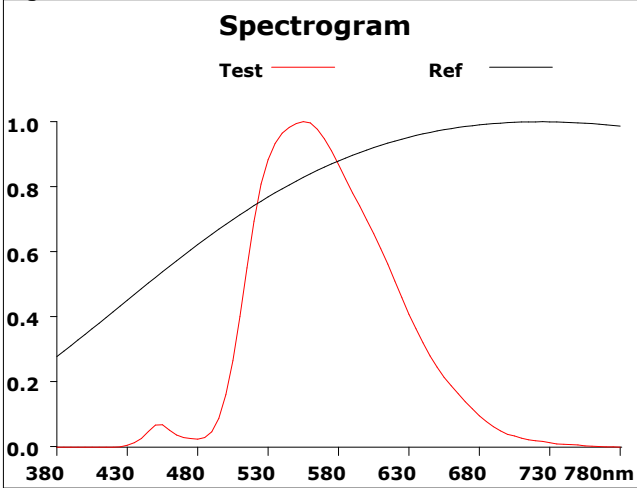
CCT: 4005 K Flux: 1711.338 lm PeakWave: 556.5 nm SDCM: 61.0
S/P: 1.2 CentralWave: 566.6 nm DominantWave: 568.8 nm CentroidWave: 573.3 nm
HalfWidth: 107.0 nm duv: 0.04885 purity: 88.4 % CQS: 54.2
LER(TM-30): 470.8 Ep: 3634.9 mw Rg: 57.3 Rf: 51.5
Red Ep: 954.8 mw Near red Ep: 32.5 mw Near infrared Ep: 0.6 mw

Electrical parameters:

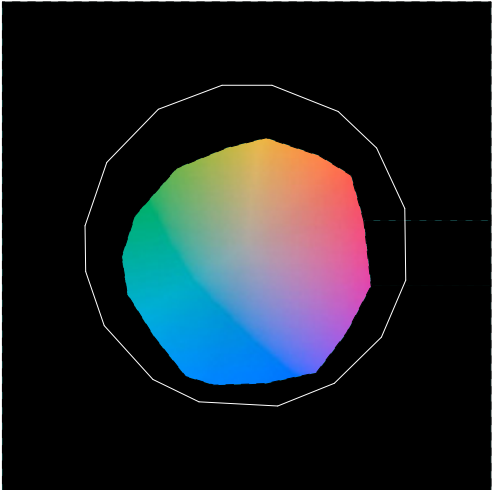
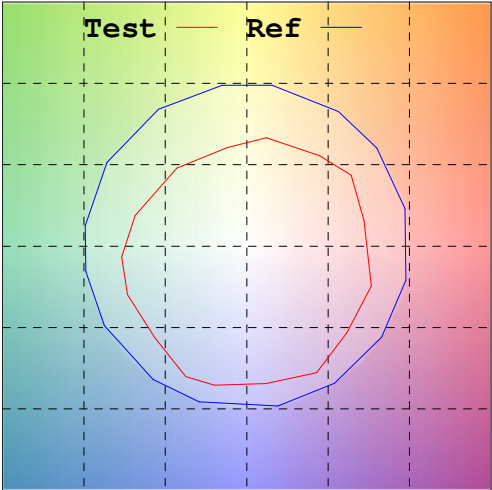
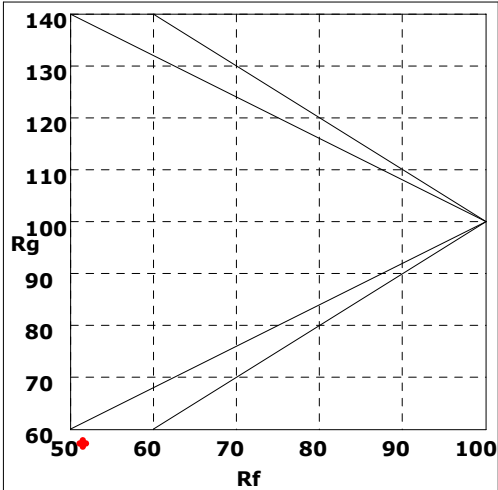
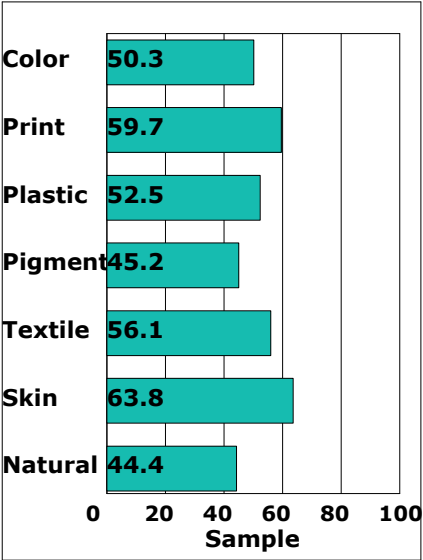
Effic: 27.7 Lm/W Energy: 30.2 Effi: G
U: 220.9 V I: 0.460 A P: 61.780 W Pf: 0.607

Product model: Manufacturer: Guangzhou Hotion Technology Co.,
Product number: Test unit:
Tester: Date of observation: 03/17/14
Remarks:

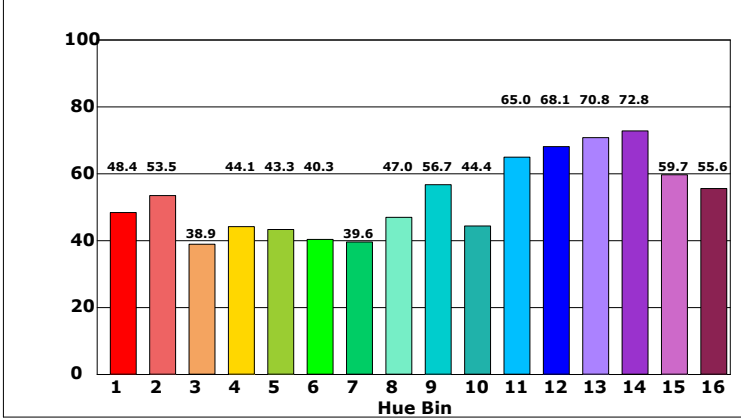
Rf: 51.5 CCT: 4005K u': 0.1975
Rg: 57.3 LER: 470.8 Duv: 0.04885 v': 0.5620



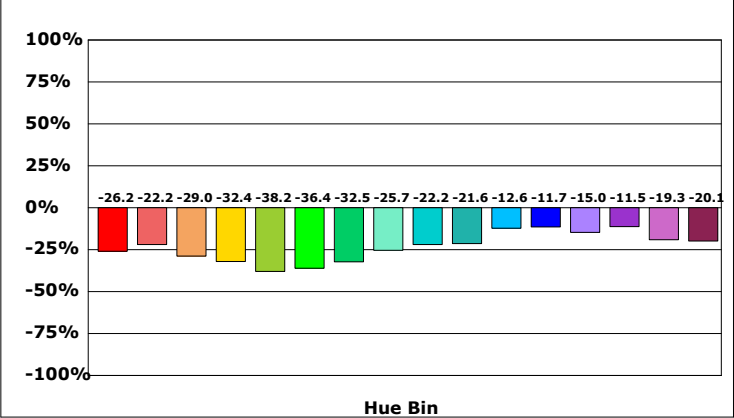
500			
Hue Bin	Rf	Chroma	Hue
1	48.4	-26.2%	-2.4%
2	53.5	-22.2%	-5.2%
3	38.9	-29.0%	-5.4%
4	44.1	-32.4%	-2.8%
5	43.3	-38.2%	4.7%
6	40.3	-36.4%	10.6%
7	39.6	-32.5%	17.5%
8	47.0	-25.7%	14.4%
9	56.7	-22.2%	18.9%
10	44.4	-21.6%	23.2%
11	65.0	-12.6%	15.7%
12	68.1	-11.7%	7.1%
13	70.8	-15.0%	-4.5%
14	72.8	-11.5%	-5.6%
15	59.7	-19.3%	-9.9%
16	55.6	-20.1%	-7.5%



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

