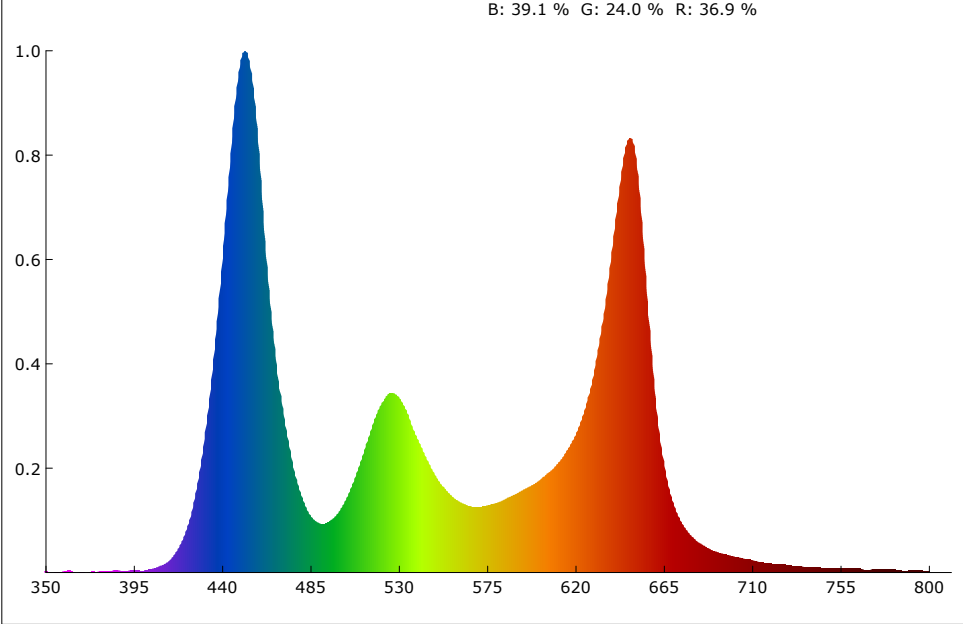
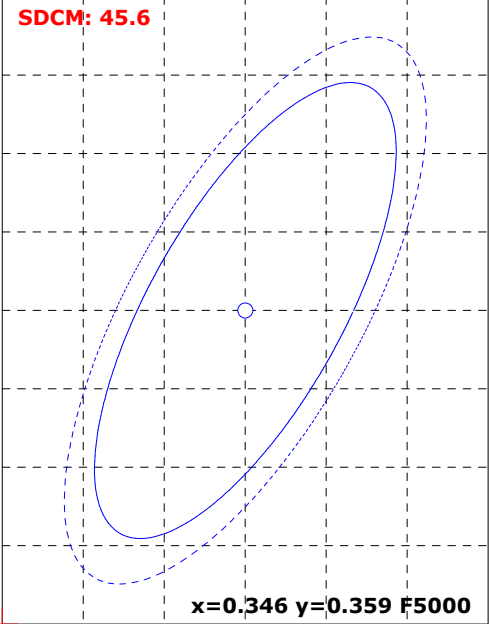


Spectrogram



SDCM



Color Parameter:

x: 0.2909 y: 0.2267 u: 0.2264 v: 0.2647 u': 0.2264 v': 0.3970
R_ratio: 36.9 % G_ratio: 24.0 % B_ratio: 39.1 % RedRatio: 24.5 % GreenRatio: 68.7 % BlueRatio: 6.8 %

Ra: 33.9 AvgR: 23.1
R1: 14.4 R2: 64.0 R3: 47.2 R4: 14.1 R5: 33.0 R6: 69.0 R7: 57.1 R8: -27.5
R9: -99.0 R10: 41.3 R11: -1.0 R12: 63.6 R13: 24.1 R14: 64.0 R15: -17.2

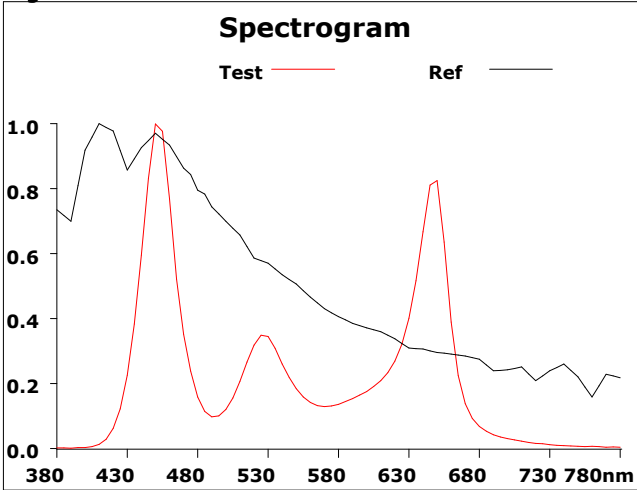
CCT: 17839 K Flux: 3840.130 lm PeakWave: 452.3 nm SDCM: 45.6
S/P: 2.9 CentralWave: 451.8 nm DominantWave: 0.0 nm CentroidWave: 547.2 nm
HalfWidth: 26.5 nm duv: -0.04429 purity: 0.0 % CQS: 78.8
LER(TM-30): 193.3 Ep: 19861.1 mw Rg: 128.4 Rf: 55.0
Red Ep: 7207.6 mw Near red Ep: 257.8 mw Near infrared Ep: 24.6 mw

Electrical parameters:

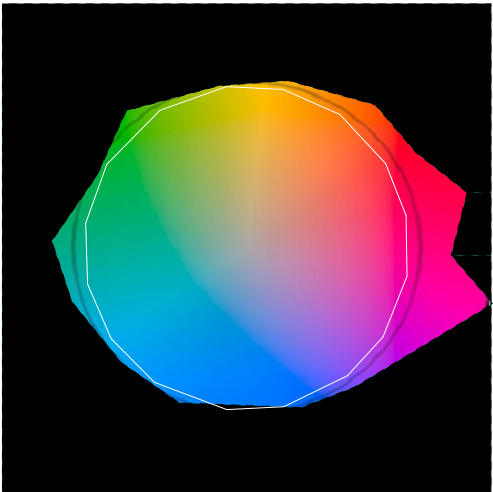
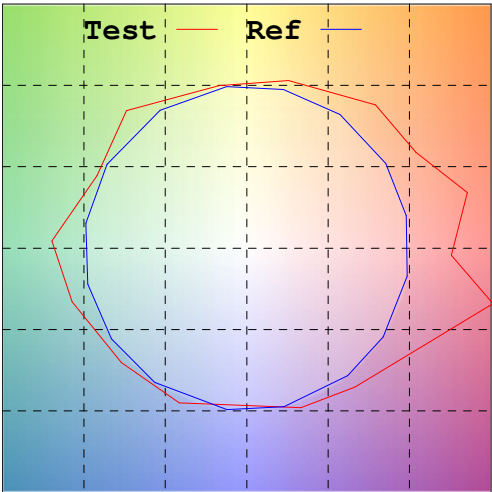
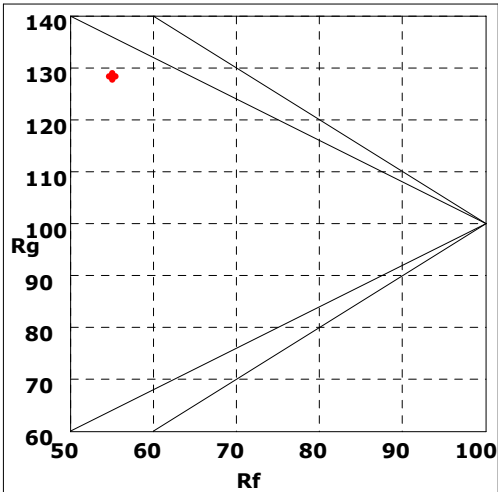
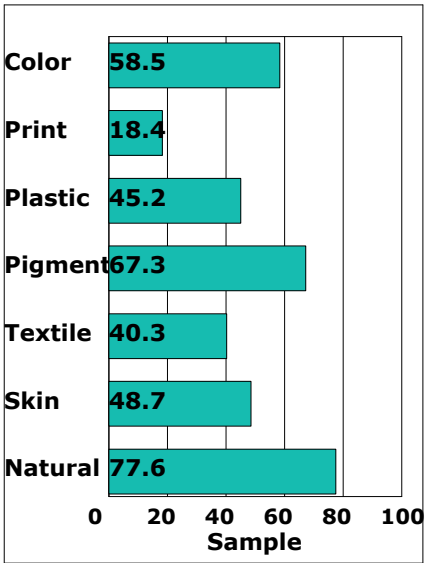
Effic: 9.4 Lm/W Energy: 10.3 Effi: G
U: 217.8 V I: 2.499 A P: 406.800 W Pf: 0.747

Product model: Manufacturer: Guangzhou Hotion Technology Co.,
Product number: Test unit:
Tester: Date of observation: 05/30/14
Remarks:

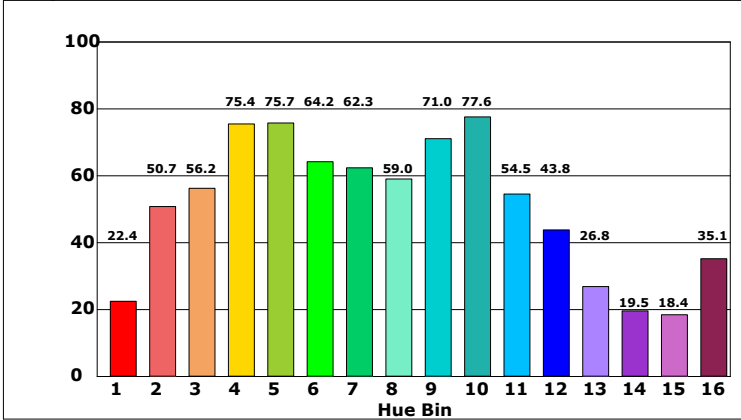
Rf: 55.0 CCT: 17839K u': 0.2264
Rg: 128.4 LER: 193.3 Duv: -0.04429 v': 0.3970



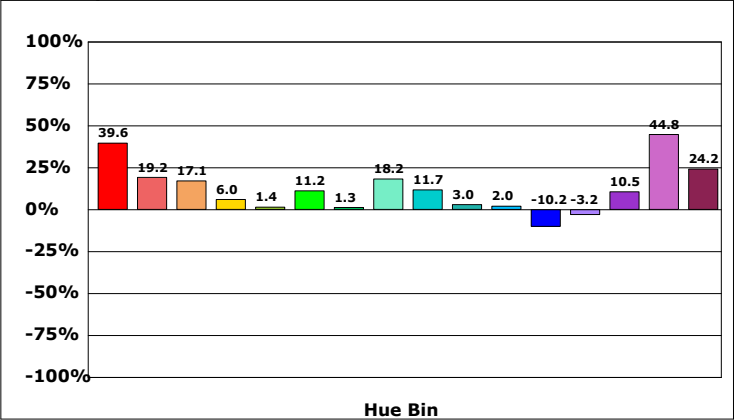
500			
Hue Bin	Rf	Chroma	Hue
1	22.4	39.6%	6.5%
2	50.7	19.2%	-4.7%
3	56.2	17.1%	-14.9%
4	75.4	6.0%	-2.0%
5	75.7	1.4%	4.4%
6	64.2	11.2%	17.3%
7	62.3	1.3%	9.0%
8	59.0	18.2%	14.7%
9	71.0	11.7%	8.7%
10	77.6	3.0%	15.5%
11	54.5	2.0%	19.5%
12	43.8	-10.2%	44.3%
13	26.8	-3.2%	44.9%
14	19.5	10.5%	49.4%
15	18.4	44.8%	54.4%
16	35.1	24.2%	17.9%



Rf by Bue

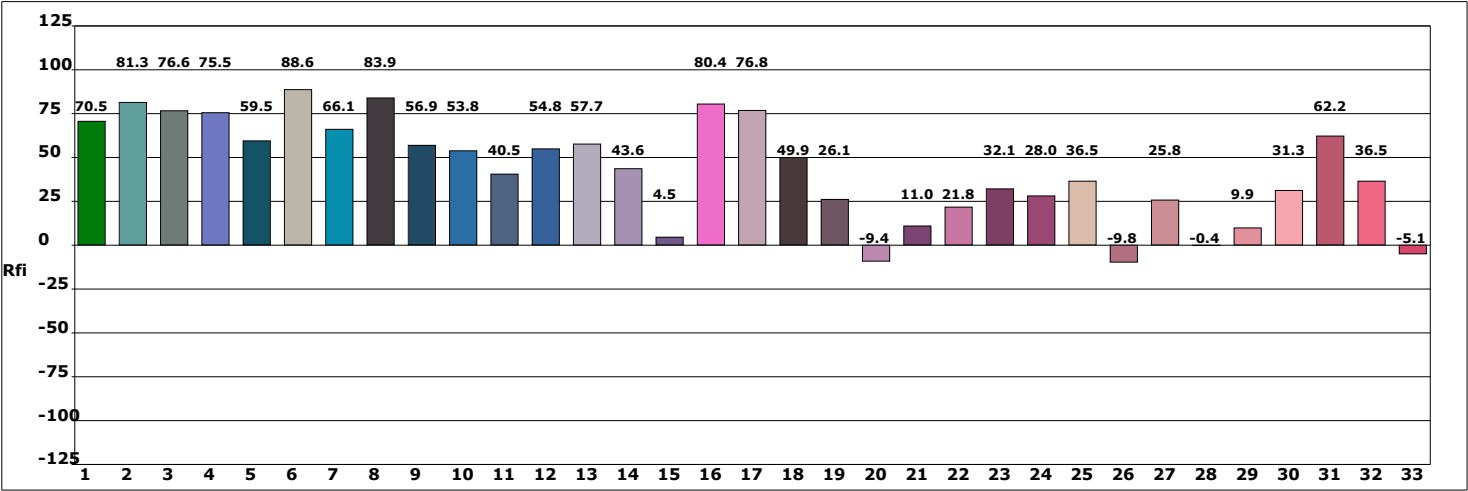
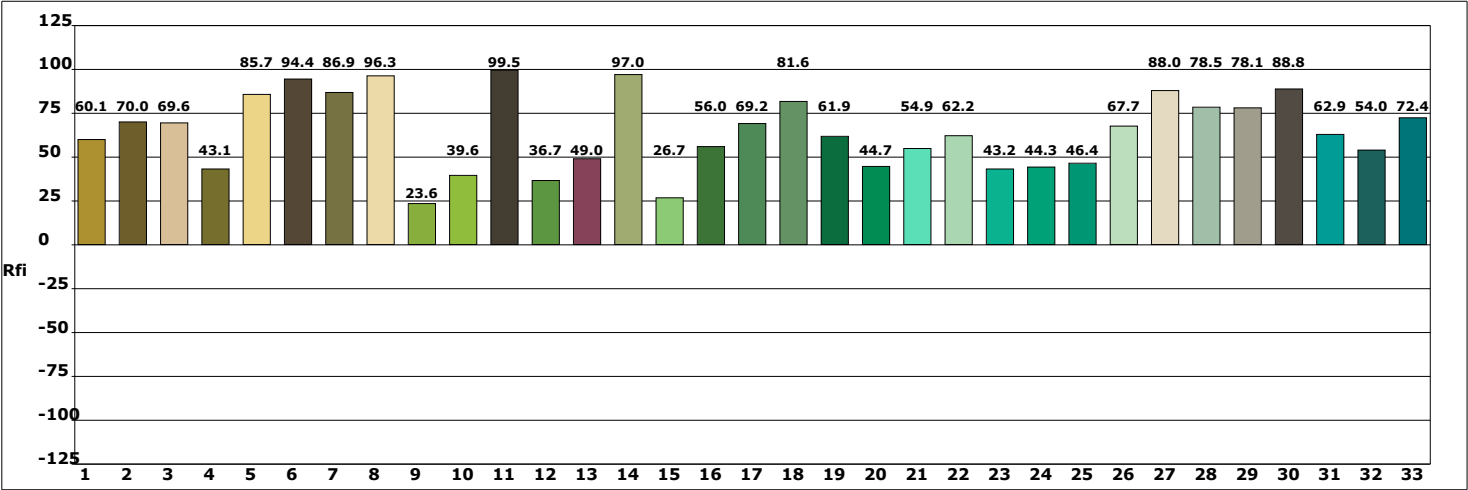
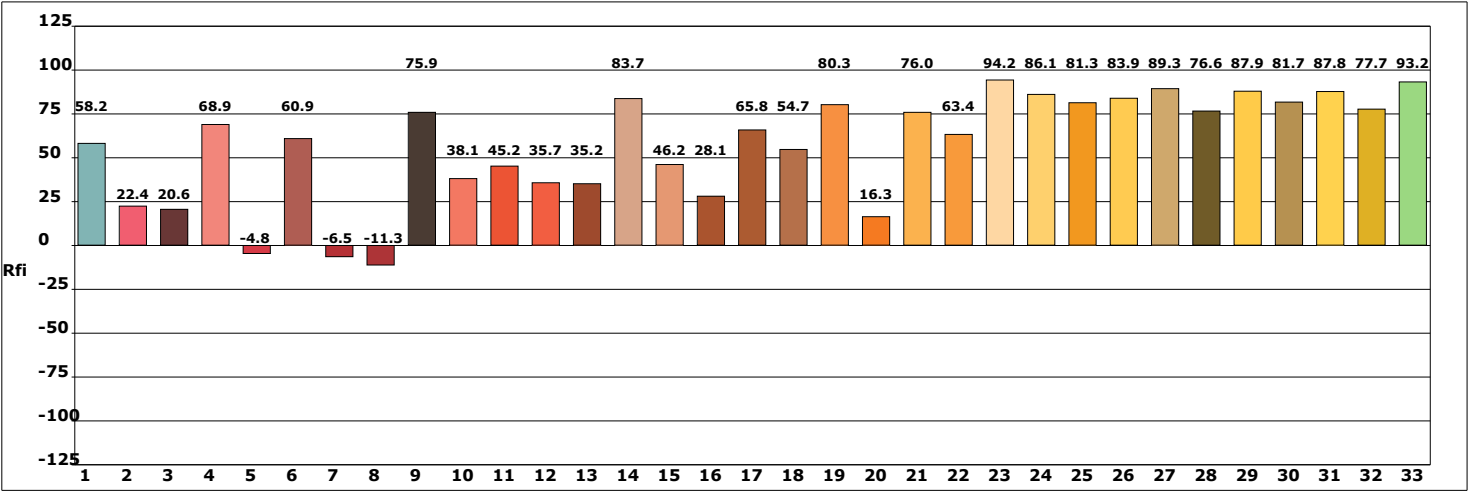


Chroma by Bue



Product model:
Product number:
Tester:
Remarks:

Manufacturer: Guangzhou Hotion Technology Co.,
Test unit:
Date of observation: 05/30/14



Product model:
Product number:
Tester:
Remarks:

Manufacturer: Guangzhou Hotion Technology Co.,
Test unit:
Date of observation: 05/30/14