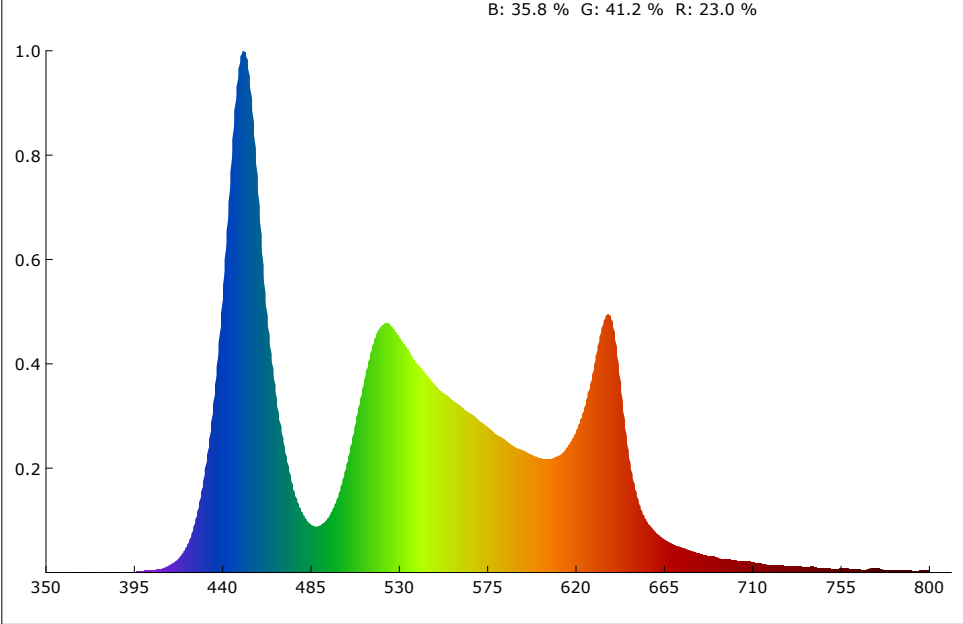
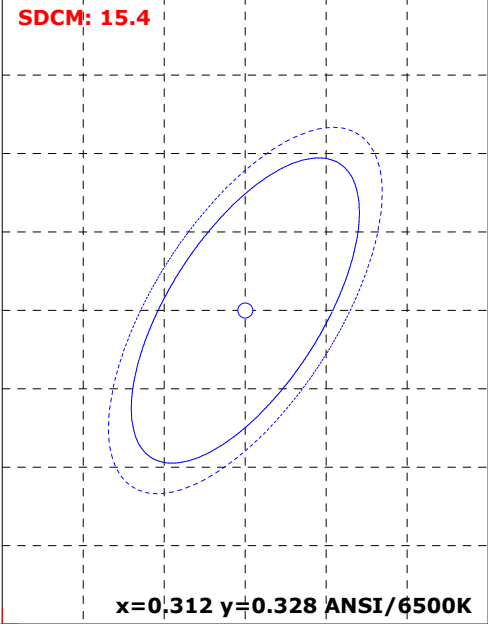


Spectrogram



SDCM



Color Parameter:

x: 0.2930 y: 0.3006 u: 0.1946 v: 0.2995 u': 0.1946 v': 0.4492
R_ratio: 23.0 % G_ratio: 41.2 % B_ratio: 35.8 % RedRatio: 14.2 % GreenRatio: 81.6 % BlueRatio: 4.2 %

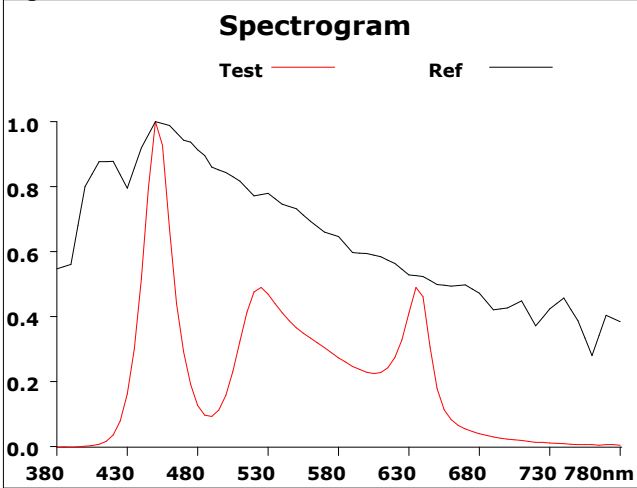
Ra: 86.3 AvgR: 82.1
R1: 98.7 R2: 88.0 R3: 71.3 R4: 85.0 R5: 95.9 R6: 81.9 R7: 86.4 R8: 83.4
R9: 67.3 R10: 66.5 R11: 81.3 R12: 52.9 R13: 96.9 R14: 82.9 R15: 92.6

CCT: 8306 K Flux: 1018.532 lm PeakWave: 450.6 nm SDCM: 15.4
S/P: 2.4 CentralWave: 451.4 nm DominantWave: 480.3 nm CentroidWave: 536.1 nm
HalfWidth: 22.8 nm duv: -0.00095 purity: 16.6 % CQS: 84.6
LER(TM-30): 284.7 Ep: 3577.4 mw Rg: 104.7 Rf: 81.6
Red Ep: 811.8 mw Near red Ep: 42.8 mw Near infrared Ep: 4.7 mw

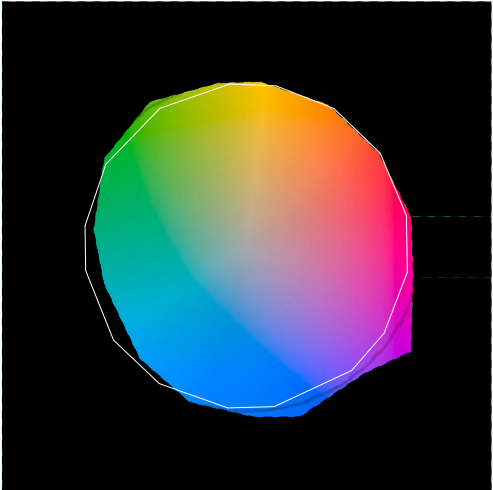
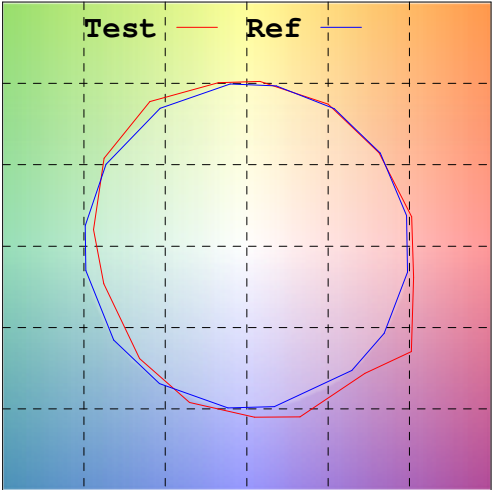
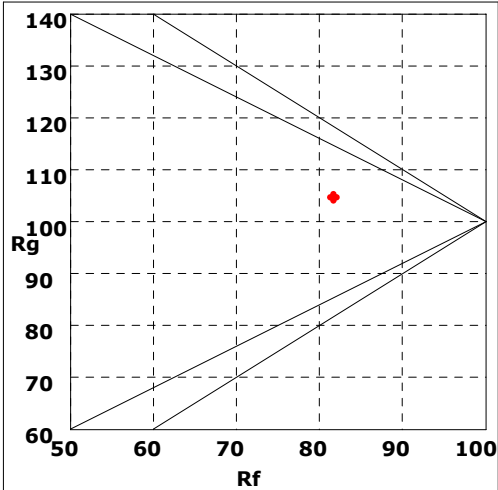
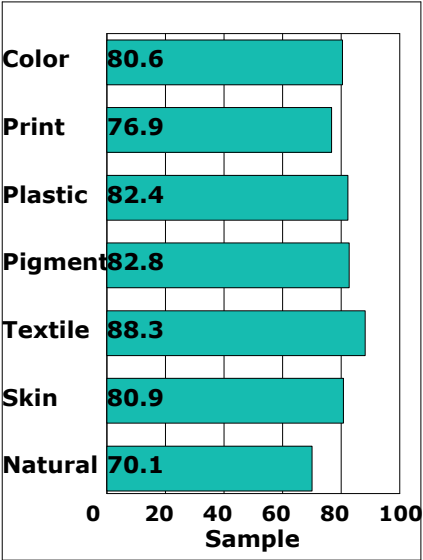
Electrical parameters:

Effic: 89.0 Lm/W Energy: 96.9 Effi: F
U: 220.2 V I: 0.431 A P: 11.450 W Pf: 0.120

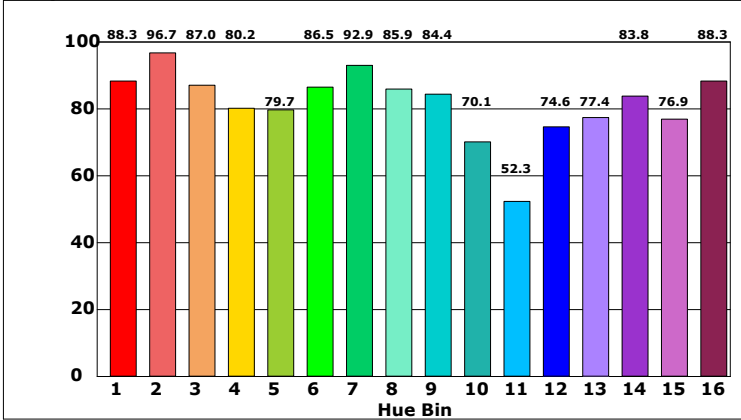
Rf: 81.6 CCT: 8306K u': 0.1946
Rg: 104.7 LER: 284.7 Duv: -0.00095 v': 0.4492



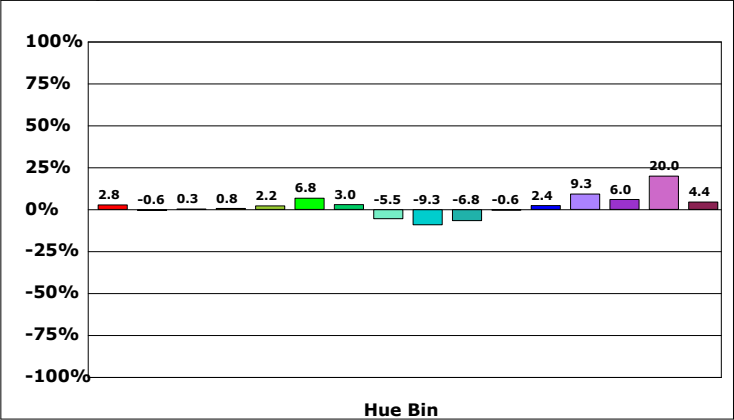
500			
Hue Bin	Rf	Chroma	Hue
1	88.3	2.8%	-1.4%
2	96.7	-0.6%	0.6%
3	87.0	0.3%	4.7%
4	80.2	0.8%	10.4%
5	79.7	2.2%	6.9%
6	86.5	6.8%	3.0%
7	92.9	3.0%	-2.4%
8	85.9	-5.5%	1.3%
9	84.4	-9.3%	10.1%
10	70.1	-6.8%	18.3%
11	52.3	-0.6%	21.8%
12	74.6	2.4%	17.2%
13	77.4	9.3%	14.2%
14	83.8	6.0%	5.8%
15	76.9	20.0%	0.0%
16	88.3	4.4%	-2.4%



Rf by Bue

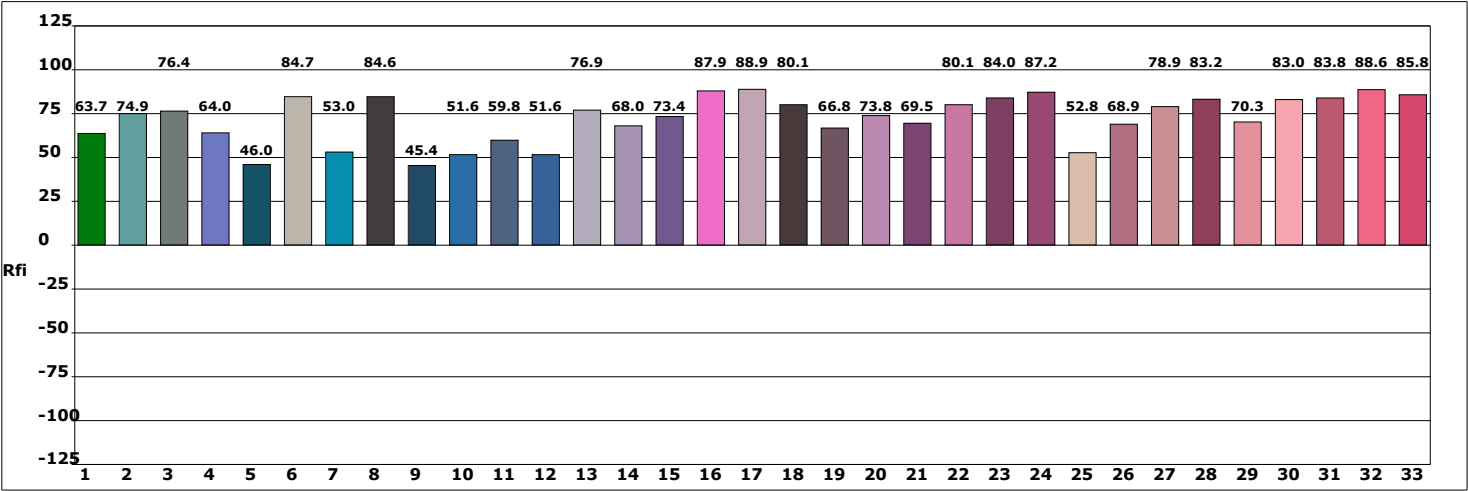
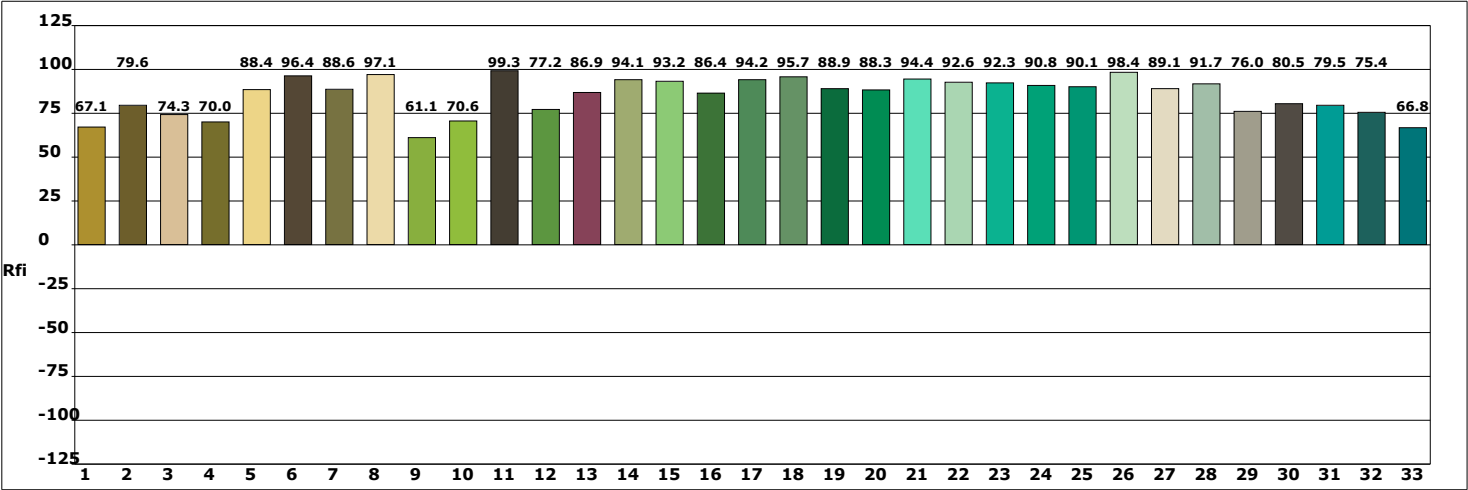
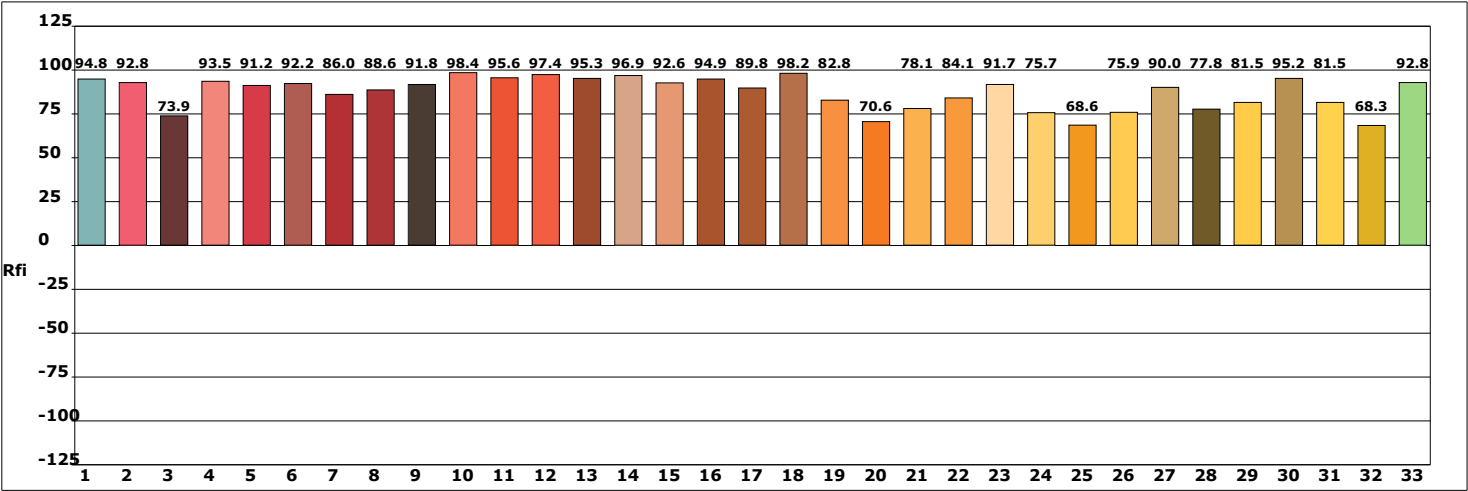


Chroma by Bue



Product model:
Product number:
Tester:
Remarks:

Manufacturer: Guangzhou Hotion Technology Co.,
Test unit:
Date of observation: 02/03/13



Product model:
Product number:
Tester:
Remarks:

Manufacturer: Guangzhou Hotion Technology Co.,
Test unit:
Date of observation: 02/03/13