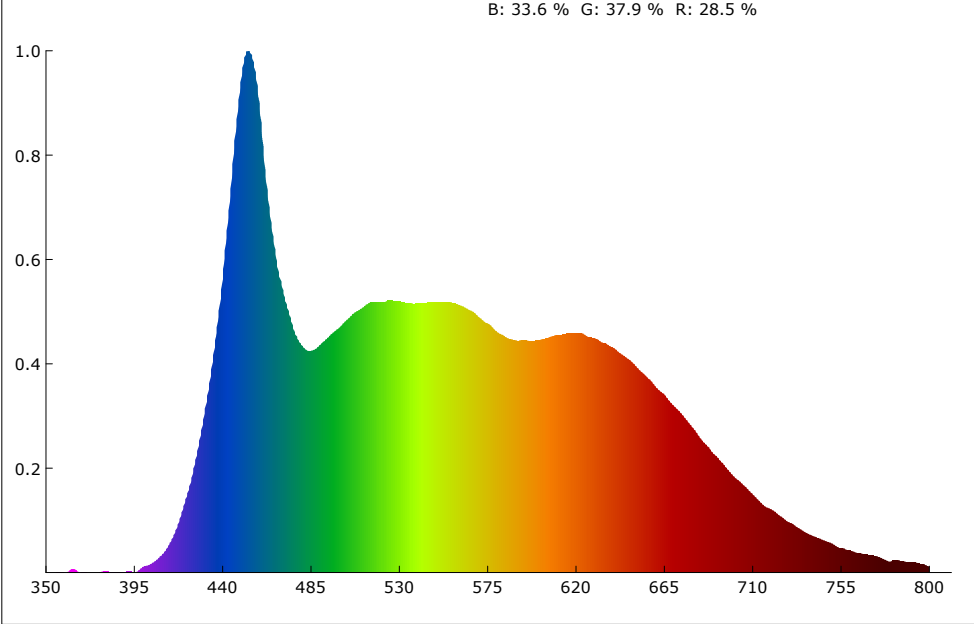
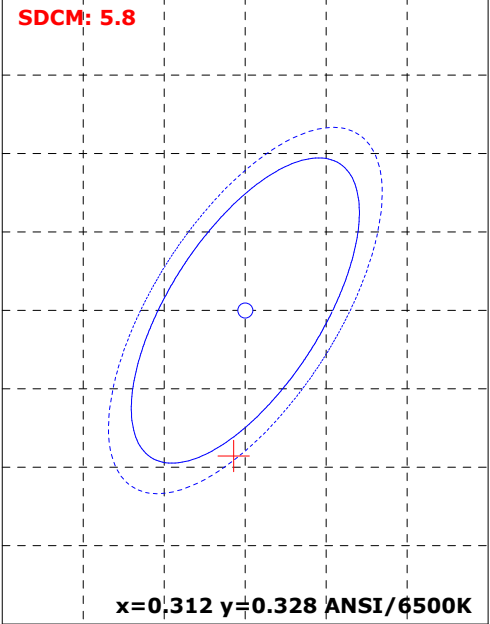


Spectrogram



SDCM



Color Parameter:

x: 0.3116 y: 0.3189 u: 0.2009 v: 0.3084 u': 0.2009 v': 0.4626
R_ratio: 28.5 % G_ratio: 37.9 % B_ratio: 33.6 % RedRatio: 15.4 % GreenRatio: 79.6 % BlueRatio: 5.0 %

Ra: 97.2 AvgR: 95.7
R1: 97.3 R2: 98.5 R3: 95.4 R4: 98.9 R5: 96.5 R6: 93.9 R7: 98.9 R8: 98.5
R9: 93.7 R10: 96.3 R11: 97.5 R12: 78.3 R13: 98.4 R14: 97.1 R15: 95.8

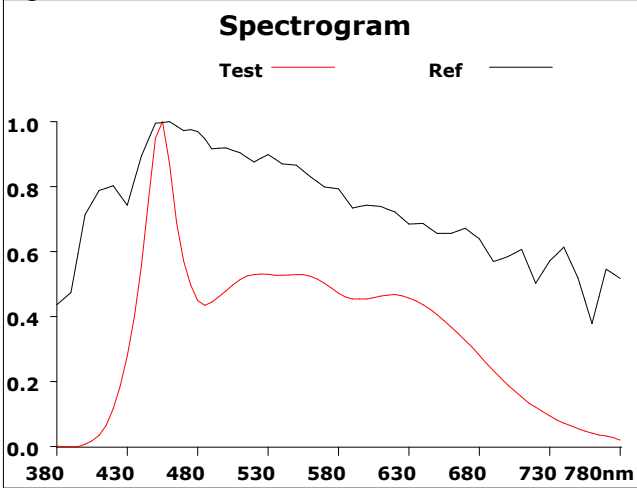
CCT: 6659 K Flux: 5226.583 lm PeakWave: 453.3 nm SDCM: 5.8
S/P: 2.4 CentralWave: 456.4 nm DominantWave: 482.6 nm CentroidWave: 555.2 nm
HalfWidth: 35.0 nm duv: -0.00153 purity: 8.6 % CQS: 91.5
LER(TM-30): 259.6 Ep: 20133.4 mw Rg: 100.9 Rf: 92.3
Red Ep: 5442.1 mw Near red Ep: 970.5 mw Near infrared Ep: 61.2 mw

Electrical parameters:

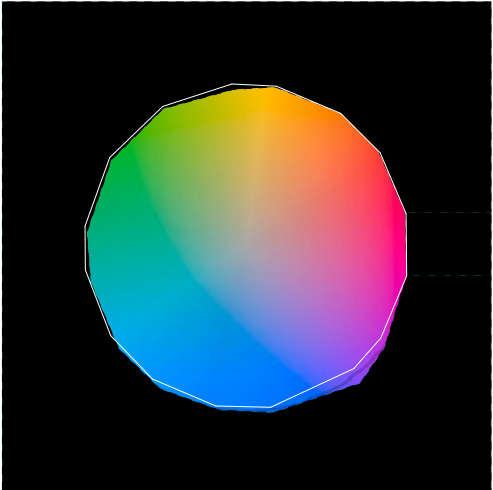
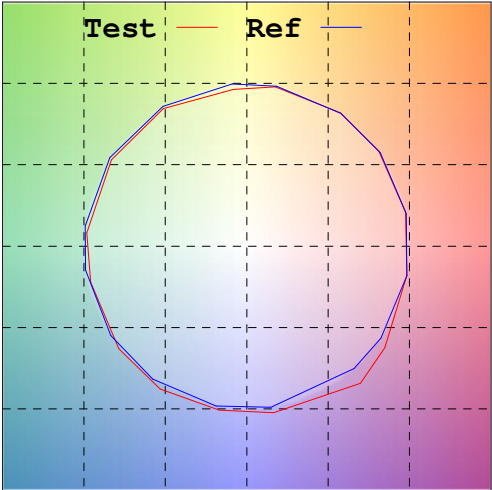
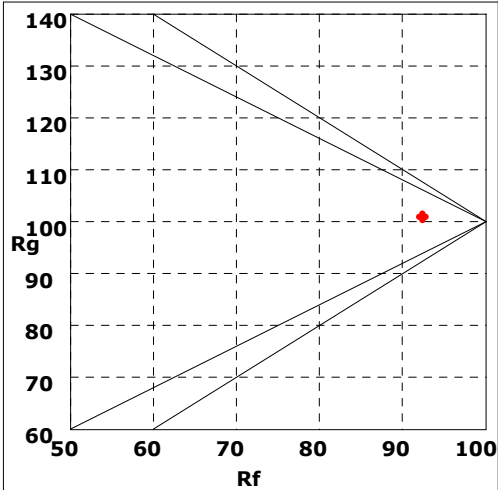
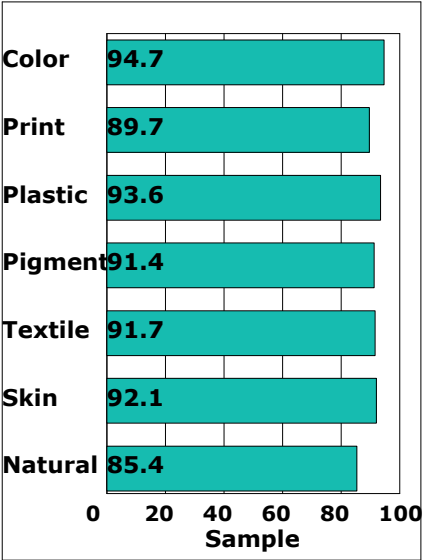
Effic: 21.8 Lm/W Energy: 23.7 Effi: G
U: 219.0 V I: 1.549 A P: 240.000 W Pf: 0.707

Product model: Manufacturer: Guangzhou Hotion Technology Co.,
Product number: Test unit:
Tester: Date of observation: 06/29/14
Remarks:

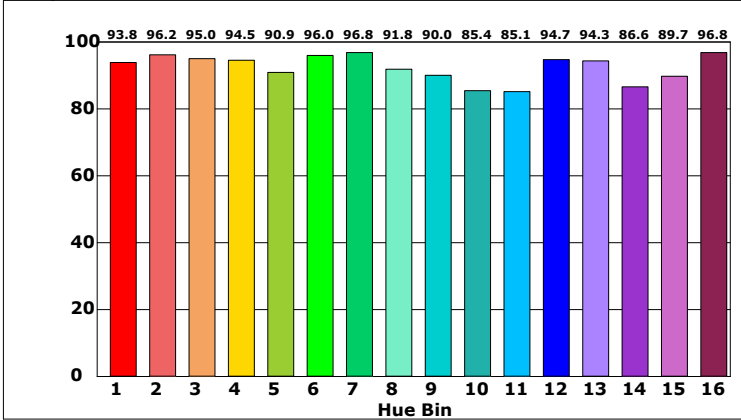
Rf: 92.3 CCT: 6659K u': 0.2009
Rg: 100.9 LER: 259.6 Duv: -0.00153 v': 0.4626



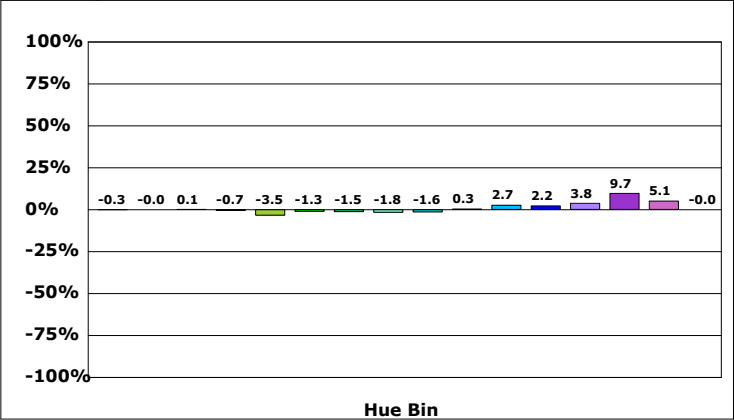
500			
Hue Bin	Rf	Chroma	Hue
1	93.8	-0.3%	0.7%
2	96.2	-0.0%	1.4%
3	95.0	0.1%	0.4%
4	94.5	-0.7%	0.8%
5	90.9	-3.5%	-0.2%
6	96.0	-1.3%	0.5%
7	96.8	-1.5%	0.7%
8	91.8	-1.8%	3.9%
9	90.0	-1.6%	8.0%
10	85.4	0.3%	9.3%
11	85.1	2.7%	7.2%
12	94.7	2.2%	2.4%
13	94.3	3.8%	1.2%
14	86.6	9.7%	-1.9%
15	89.7	5.1%	-3.5%
16	96.8	-0.0%	0.2%



Rf by Bue

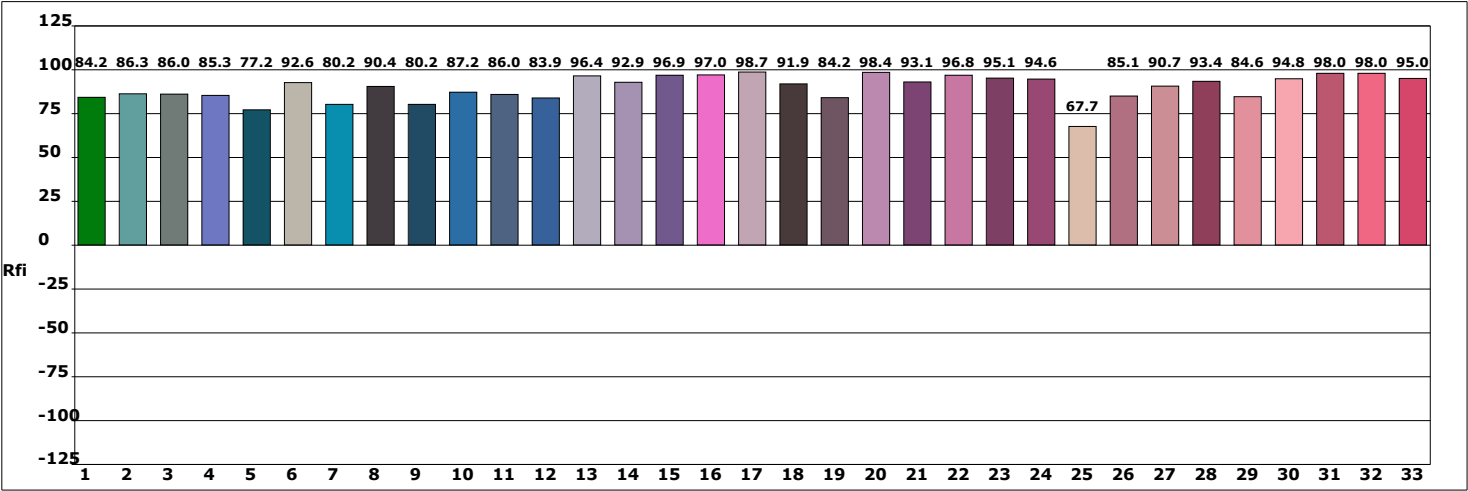
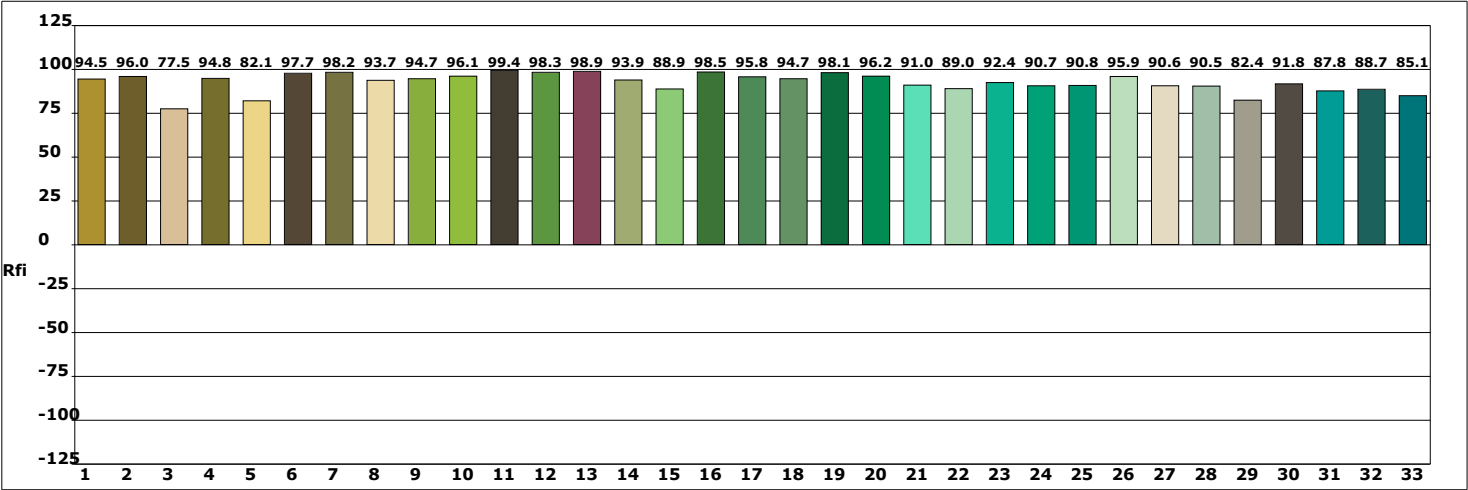
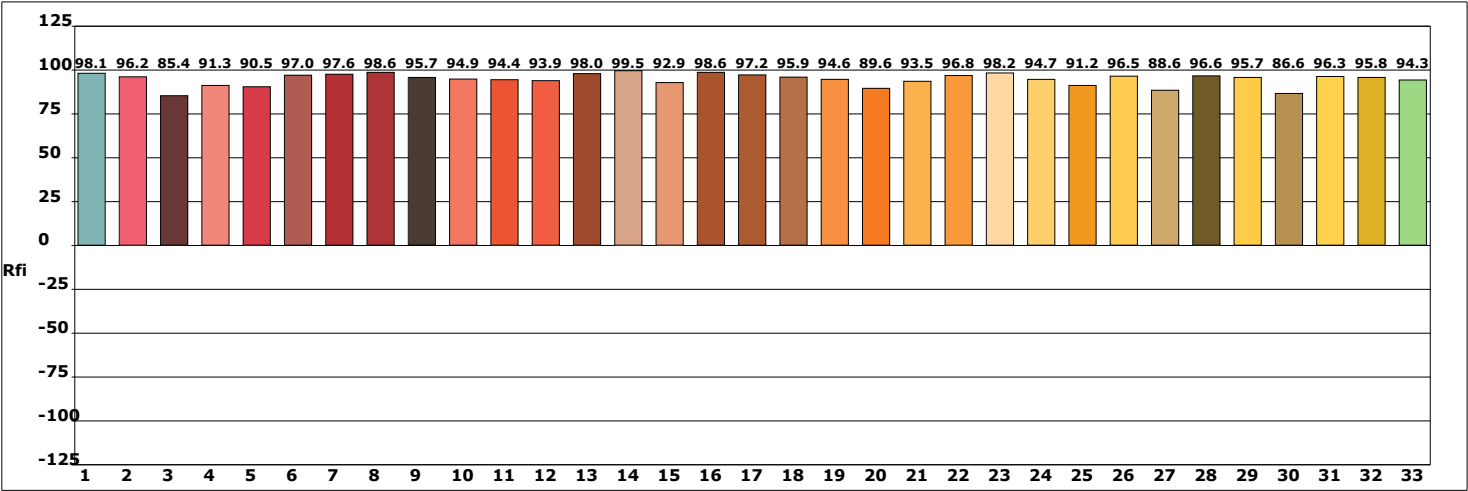


Chroma by Bue



Product model:
Product number:
Tester:
Remarks:

Manufacturer: Guangzhou Hotion Technology Co.,
Test unit:
Date of observation: 06/29/14



Product model:
Product number:
Tester:
Remarks:

Manufacturer: Guangzhou Hotion Technology Co.,
Test unit:
Date of observation: 06/29/14