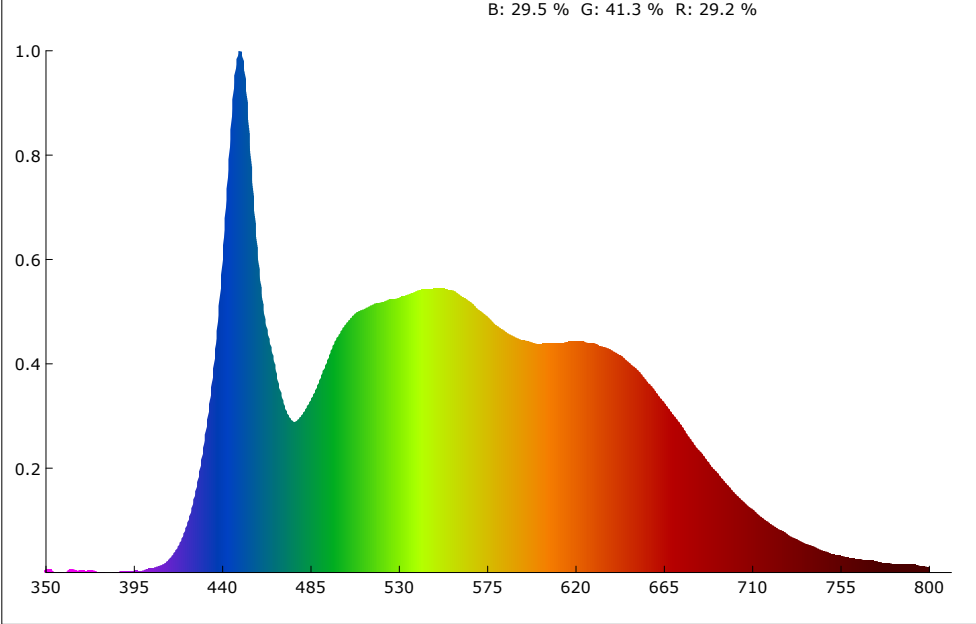
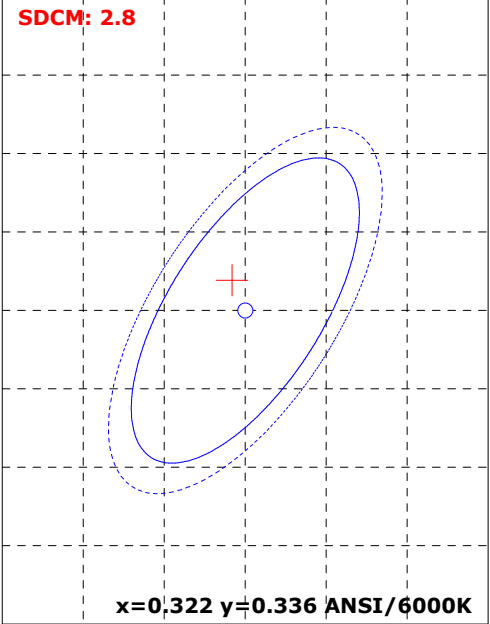


Spectrogram



SDCM



Color Parameter:

x: 0.3242 y: 0.3419 u: 0.2009 v: 0.3178 u': 0.2009 v': 0.4767
R_ratio: 29.2 % G_ratio: 41.3 % B_ratio: 29.5 % RedRatio: 15.0 % GreenRatio: 81.3 % BlueRatio: 3.8 %

Ra: 91.6 AvgR: 89.2
R1: 93.1 R2: 93.1 R3: 91.6 R4: 92.7 R5: 91.0 R6: 86.6 R7: 92.8 R8: 92.0
R9: 77.0 R10: 82.4 R11: 92.2 R12: 71.4 R13: 93.0 R14: 95.5 R15: 93.1

CCT: 5874 K	Flux: 1253.233 lm	PeakWave: 449.6 nm	SDCM: 2.8
S/P: 2.2	CentralWave: 450.2 nm	DominantWave: 504.5 nm	CentroidWave: 557.1 nm
HalfWidth: 23.0 nm	duv: 0.00417	purity: 2.8 %	CQS: 91.3
LER(TM-30): 278.2	Ep: 4504.6 mw	Rg: 100.7	Rf: 90.2
Red Ep: 1260.0 mw	Near red Ep: 177.6 mw	Near infrared Ep: 11.5 mw	

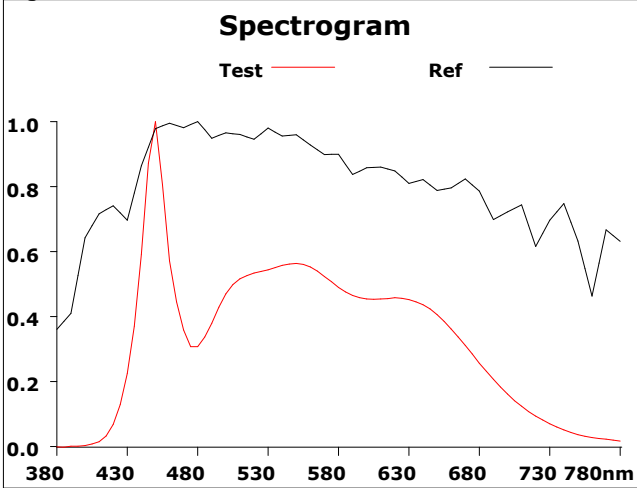
Electrical parameters:

Effic: 37.7 lm/W	Energy: 41.1	Effi: G	
U: 221.5 V	I: 0.262 A	P: 33.200 W	Pf: 0.570

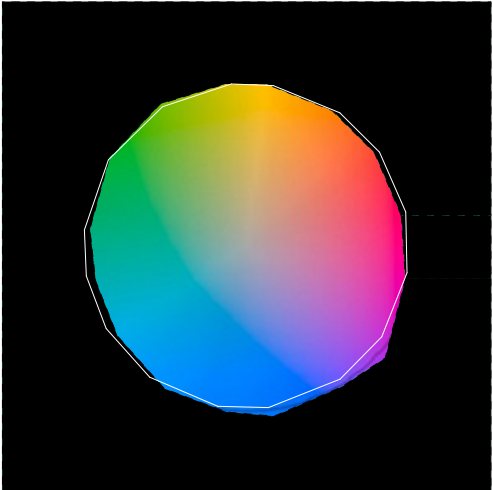
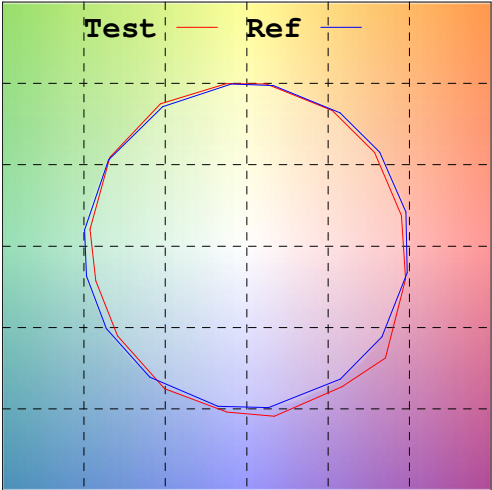
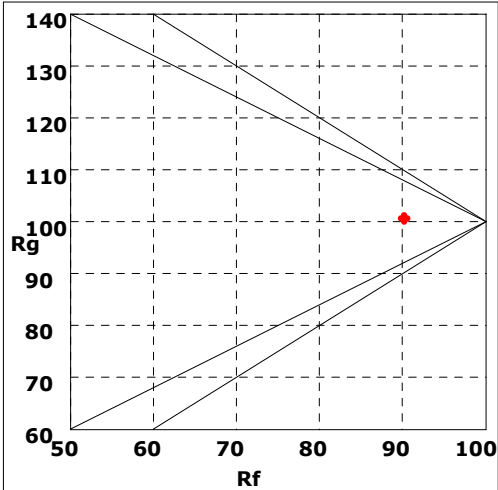
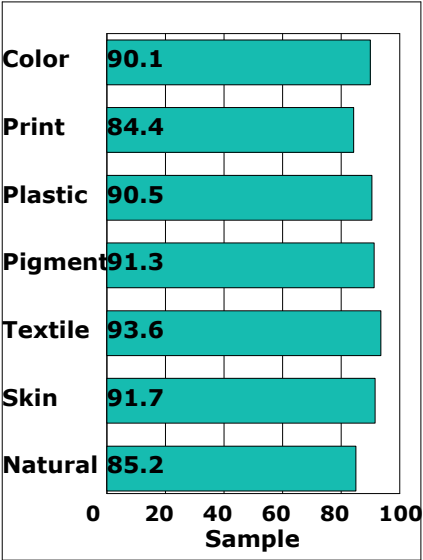
Product model:
Product number:
Tester:
Remarks:

Manufacturer:
Test unit:
Date of observation: 09/23/23

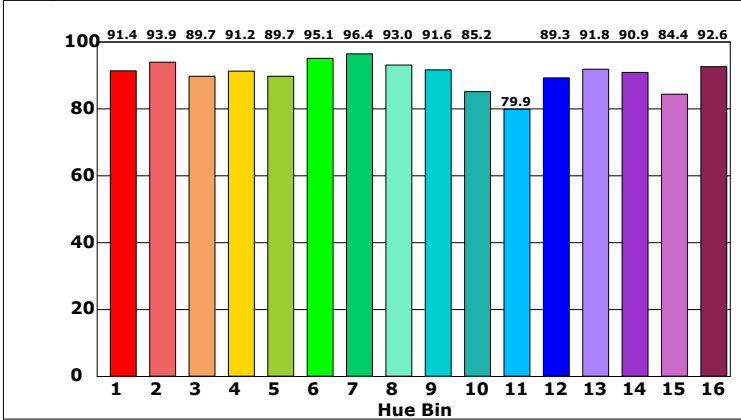
Rf: 90.2 CCT: 5874K u': 0.2009
Rg: 100.7 LER: 278.2 Duv: 0.00417 v': 0.4767



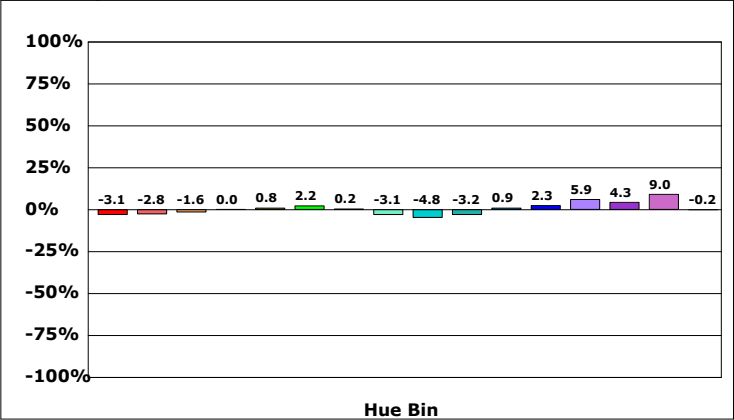
500			
Hue Bin	Rf	Chroma	Hue
1	91.4	-3.1%	-1.5%
2	93.9	-2.8%	1.5%
3	89.7	-1.6%	4.7%
4	91.2	0.0%	4.4%
5	89.7	0.8%	3.0%
6	95.1	2.2%	-0.0%
7	96.4	0.2%	-1.9%
8	93.0	-3.1%	-1.1%
9	91.6	-4.8%	4.0%
10	85.2	-3.2%	7.6%
11	79.9	0.9%	11.3%
12	89.3	2.3%	6.1%
13	91.8	5.9%	2.4%
14	90.9	4.3%	-1.7%
15	84.4	9.0%	-9.6%
16	92.6	-0.2%	-3.8%



Rf by Bue

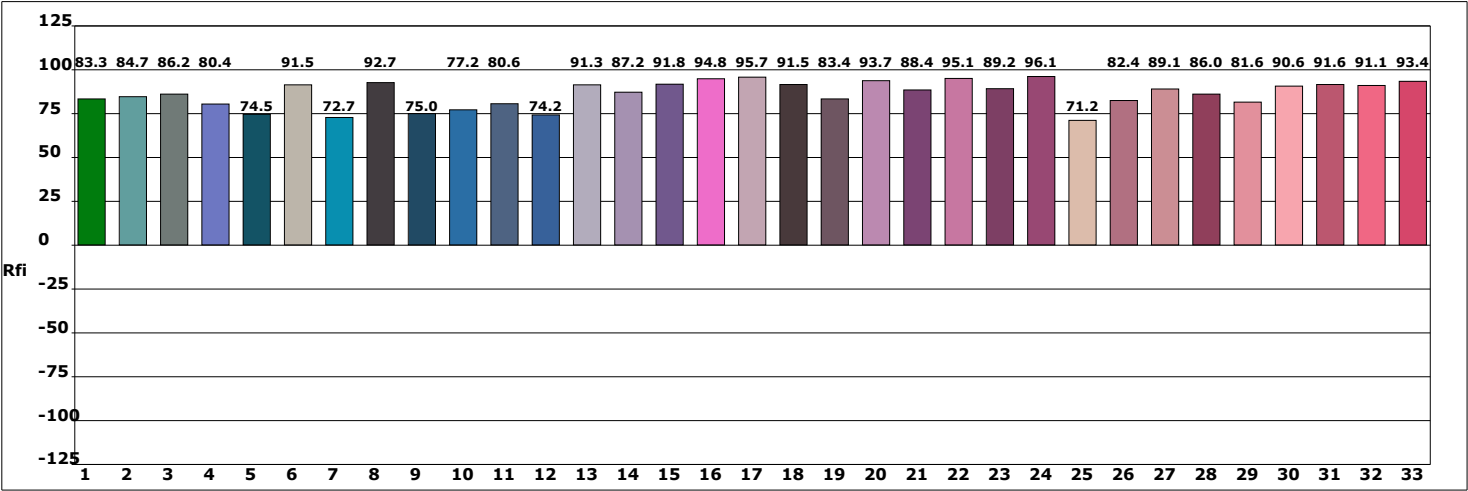
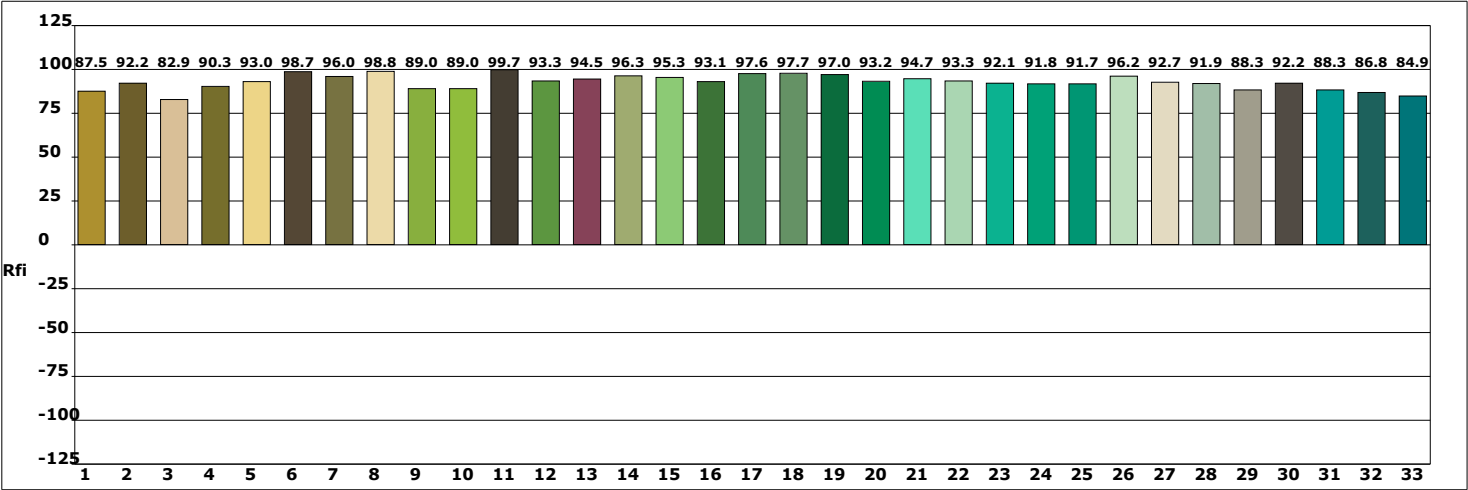
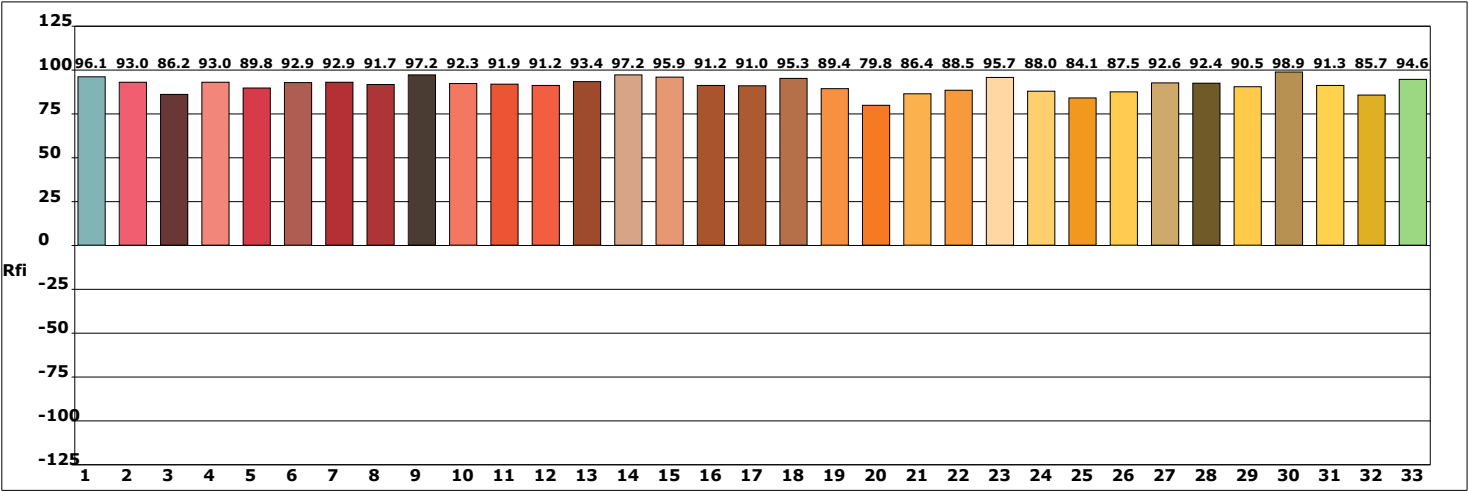


Chroma by Bue



Product model:
Product number:
Tester:
Remarks:

Manufacturer:
Test unit:
Date of observation: 09/23/23



Product model:
Product number:
Tester:
Remarks:

Manufacturer:
Test unit:
Date of observation: 09/23/23