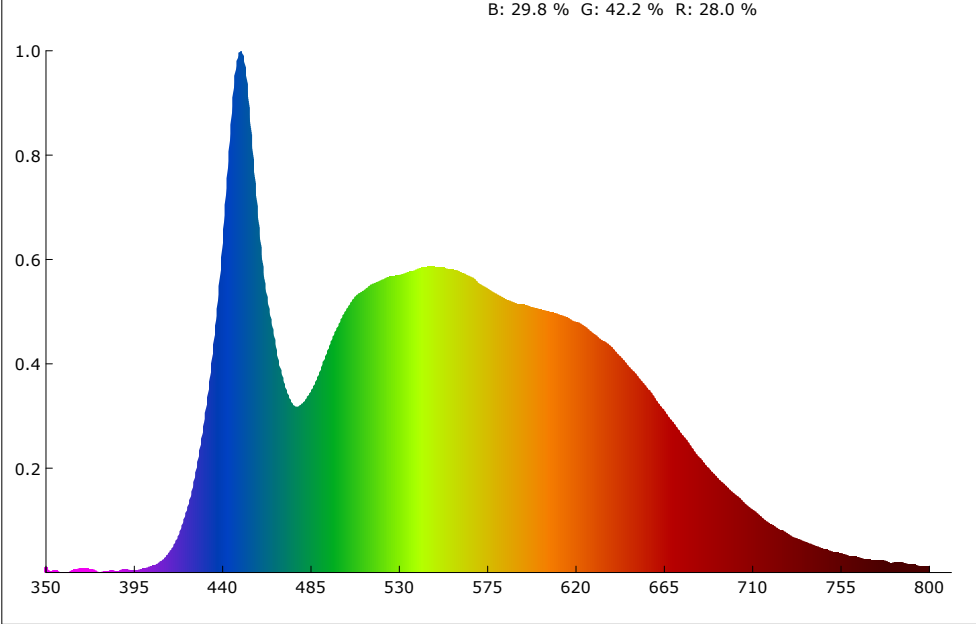
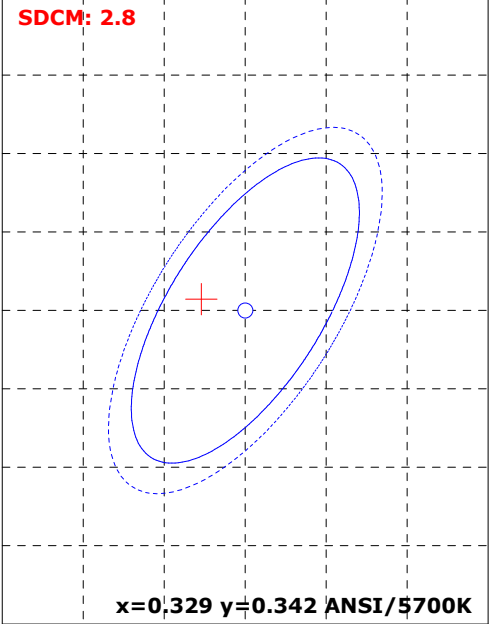


Spectrogram



SDCM



Color Parameter:

x: 0.3260 y: 0.3424 u: 0.2020 v: 0.3182 u': 0.2020 v': 0.4773
R_ratio: 28.0 % G_ratio: 42.2 % B_ratio: 29.8 % RedRatio: 14.9 % GreenRatio: 81.4 % BlueRatio: 3.7 %

Ra: 90.7 AvgR: 87.1
R1: 90.7 R2: 91.8 R3: 91.7 R4: 91.6 R5: 90.6 R6: 88.1 R7: 93.8 R8: 87.3
R9: 61.1 R10: 80.2 R11: 91.4 R12: 72.5 R13: 90.8 R14: 95.4 R15: 89.4

CCT: 5784 K	Flux: 2234.106 lm	PeakWave: 449.6 nm	SDCM: 2.8
S/P: 2.2	CentralWave: 451.0 nm	DominantWave: 509.1 nm	CentroidWave: 555.2 nm
HalfWidth: 26.7 nm	duv: 0.00358	purity: 2.3 %	CQS: 90.2
LER(TM-30): 283.9	Ep: 7868.0 mw	Rg: 99.6	Rf: 89.2
Red Ep: 2112.8 mw	Near red Ep: 300.7 mw	Near infrared Ep: 20.5 mw	

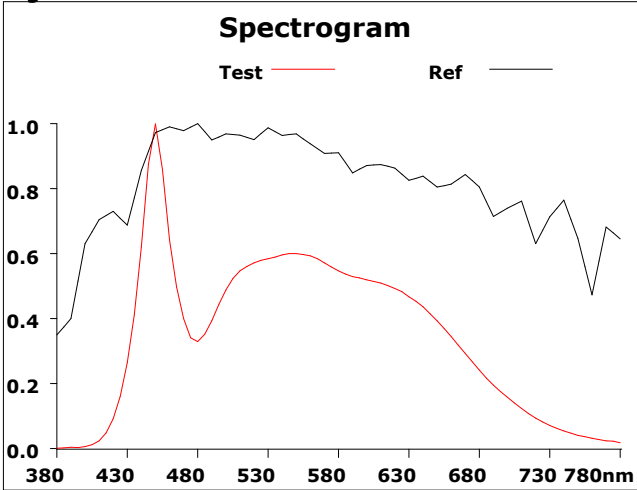
Electrical parameters:

Effic: 57.8 lm/W	Energy: 62.9	Effi: G	
U: 222.1 V	I: 0.296 A	P: 38.660 W	Pf: 0.587

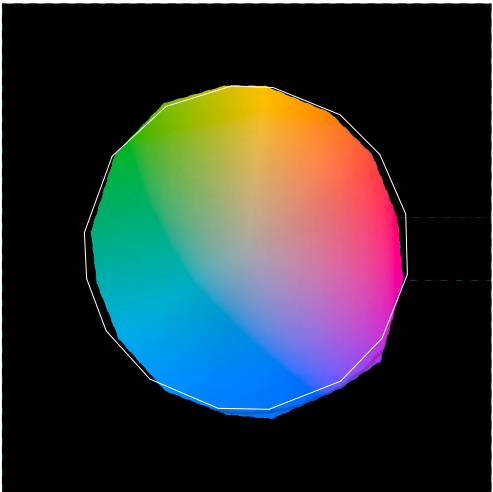
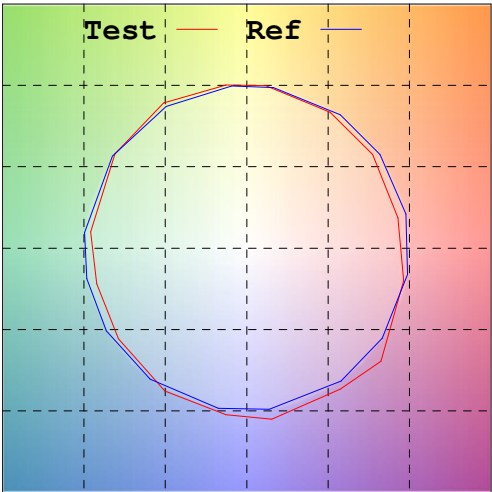
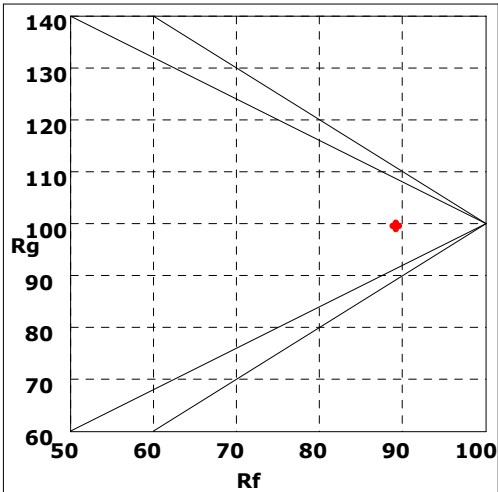
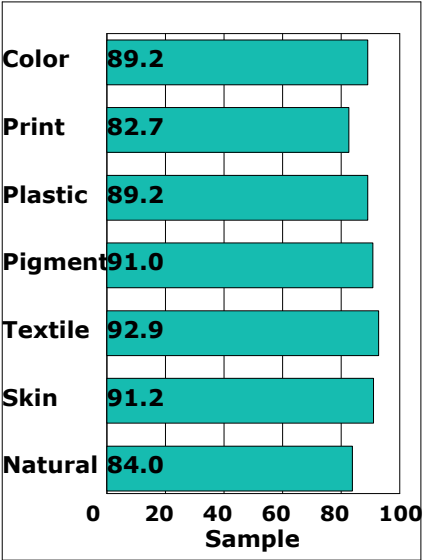
Product model:
Product number:
Tester:
Remarks:

Manufacturer:
Test unit:
Date of observation: 09/11/23

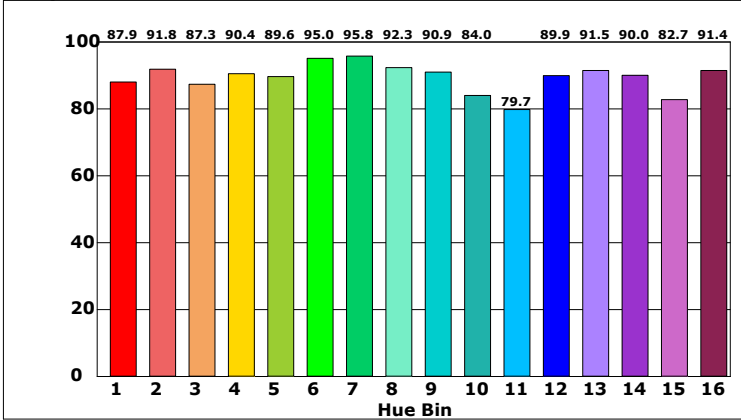
Rf: 89.2 CCT: 5784K u': 0.2020
Rg: 99.6 LER: 283.9 Duv: 0.00358 v': 0.4773



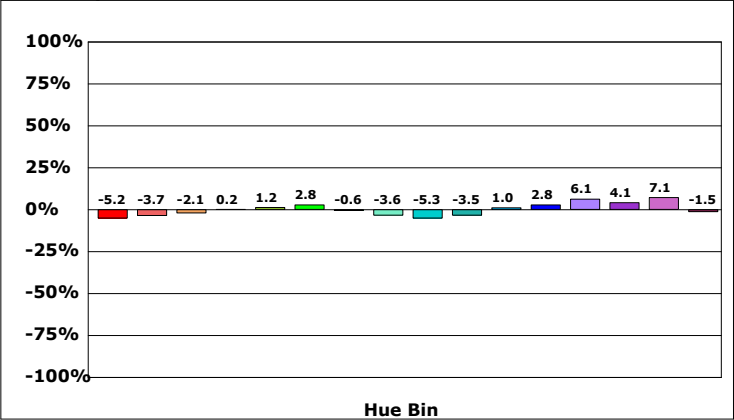
500			
Hue Bin	Rf	Chroma	Hue
1	87.9	-5.2%	-1.4%
2	91.8	-3.7%	2.5%
3	87.3	-2.1%	6.0%
4	90.4	0.2%	5.0%
5	89.6	1.2%	3.2%
6	95.0	2.8%	0.1%
7	95.8	-0.6%	-2.0%
8	92.3	-3.6%	-1.1%
9	90.9	-5.3%	4.3%
10	84.0	-3.5%	8.1%
11	79.7	1.0%	11.4%
12	89.9	2.8%	5.3%
13	91.5	6.1%	0.4%
14	90.0	4.1%	-3.1%
15	82.7	7.1%	-12.2%
16	91.4	-1.5%	-4.2%



Rf by Bue

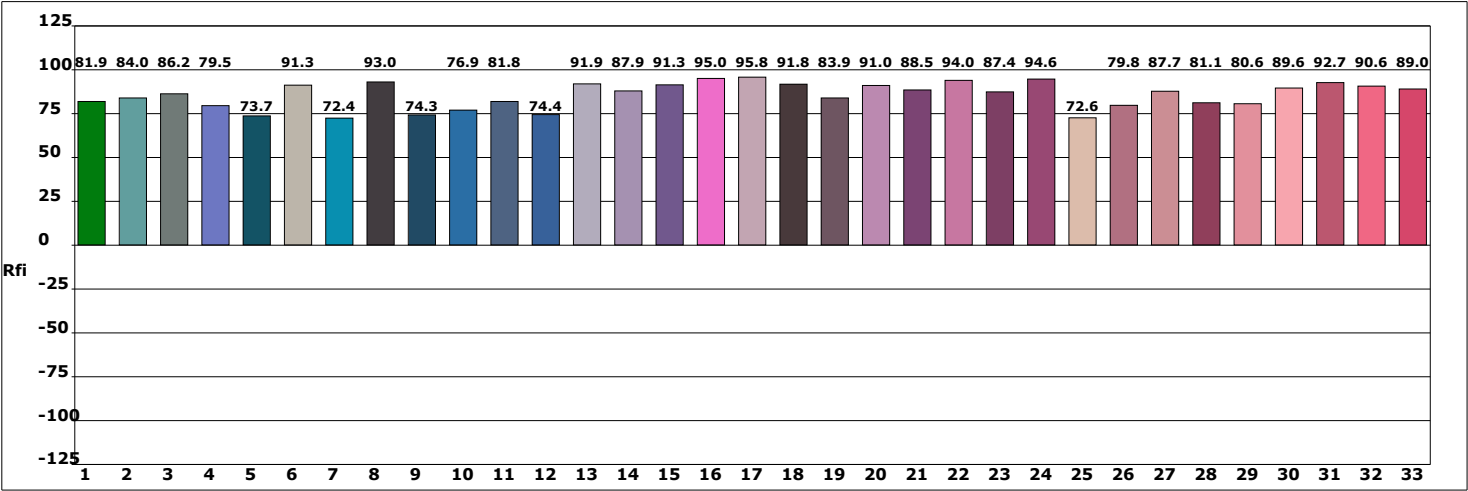
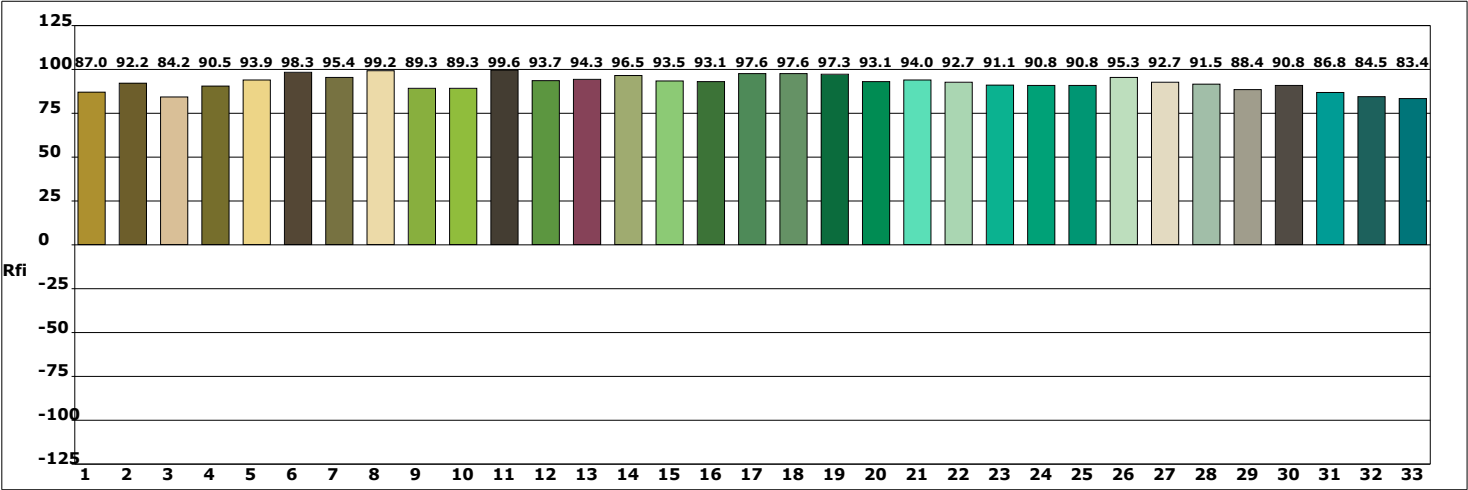
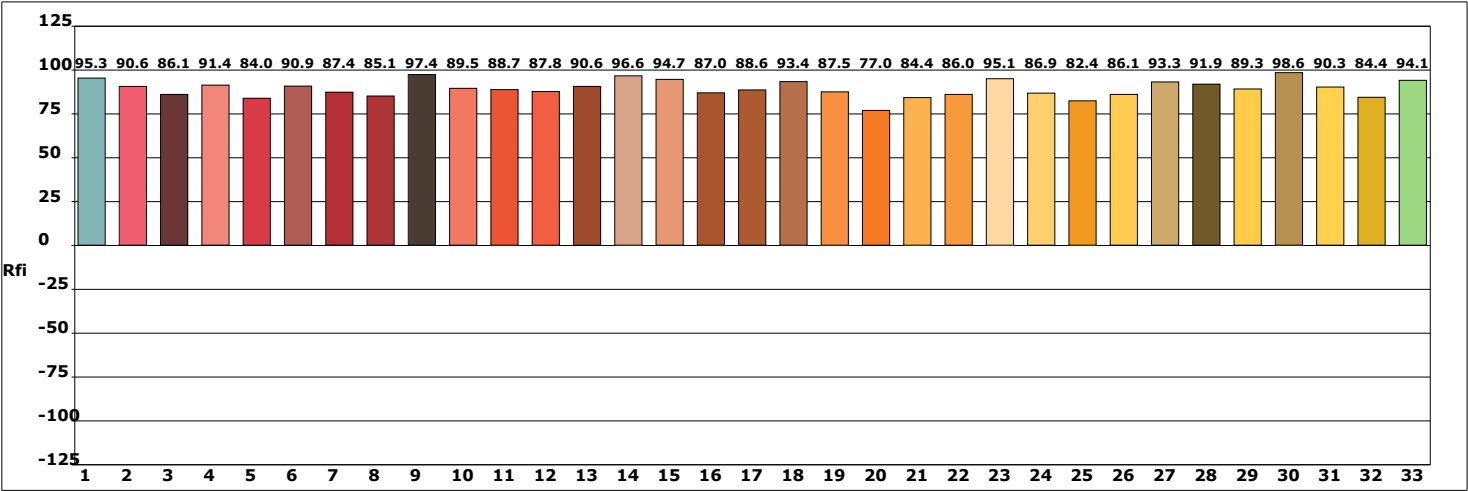


Chroma by Bue



Product model:
Product number:
Tester:
Remarks:

Manufacturer:
Test unit:
Date of observation: 09/11/23



Product model:
Product number:
Tester:
Remarks:

Manufacturer:
Test unit:
Date of observation: 09/11/23