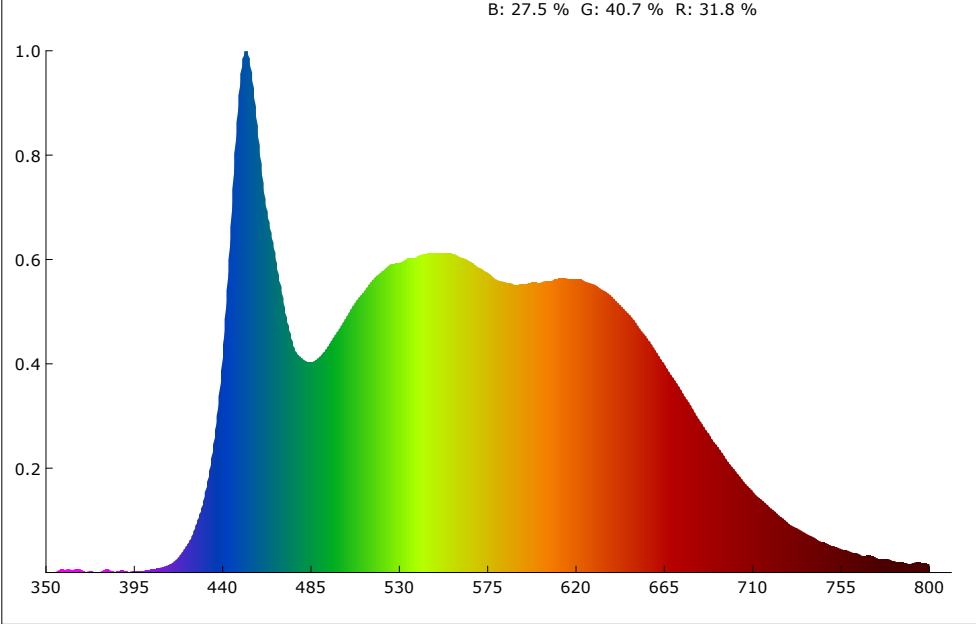
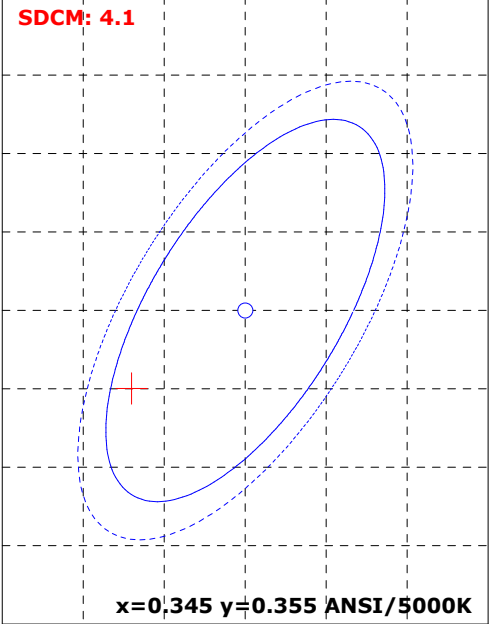


Spectrogram



SDCM



Color Parameter:

x: 0.3377	y: 0.3503	u: 0.2069	v: 0.3220	u': 0.2069	v': 0.4830		
R_ratio: 31.8 %	G_ratio: 40.7 %	B_ratio: 27.5 %	RedRatio: 16.2 %	GreenRatio: 79.7 %	BlueRatio: 4.0 %		
Ra: 94.6		AvgR: 92.2					
R1: 95.2	R2: 96.8	R3: 95.5	R4: 94.1	R5: 93.7	R6: 92.9	R7: 96.6	R8: 92.5
R9: 80.5	R10: 90.5	R11: 93.7	R12: 72.4	R13: 96.1	R14: 97.3	R15: 94.7	
CCT: 5287 K		Flux: 3731.554 lm	PeakWave: 452.3 nm	SDCM: 4.1			
S/P: 2.1		CentralWave: 457.2 nm	DominantWave: 564.0 nm	CentroidWave: 563.6 nm			
HalfWidth: 30.2 nm		duv: 0.00244	purity: 6.5 %	CQS: 91.5			
LER(TM-30): 279.9		Ep: 13330.4 mw	Rg: 98.6	Rf: 90.4			
Red Ep: 4028.9 mw		Near red Ep: 600.3 mw	Near infrared Ep: 37.6 mw				

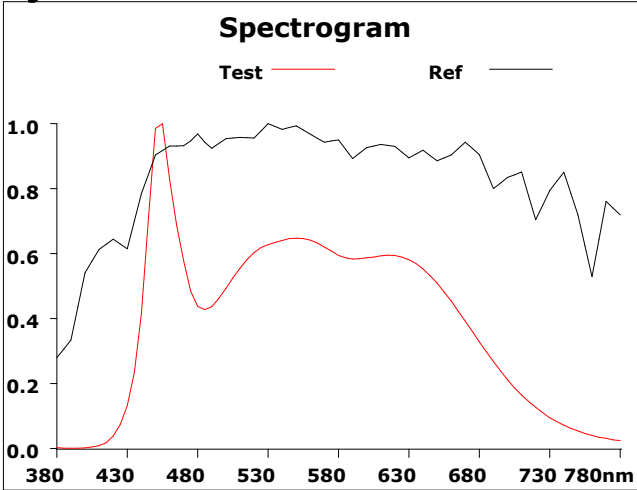
Electrical parameters:

Effic: 36.1 Lm/W	Energy: 39.3	Effi: G	
U: 219.2 V	I: 0.725 A	P: 103.300 W	Pf: 0.649

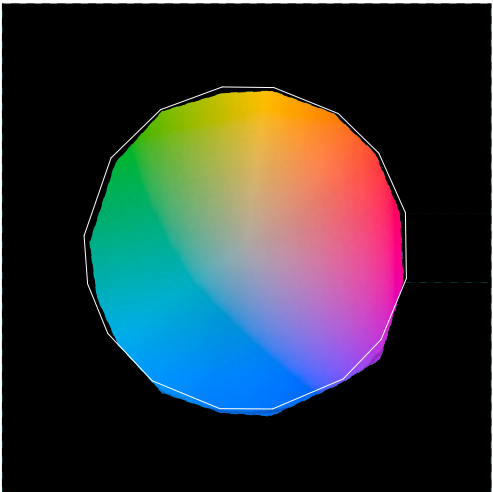
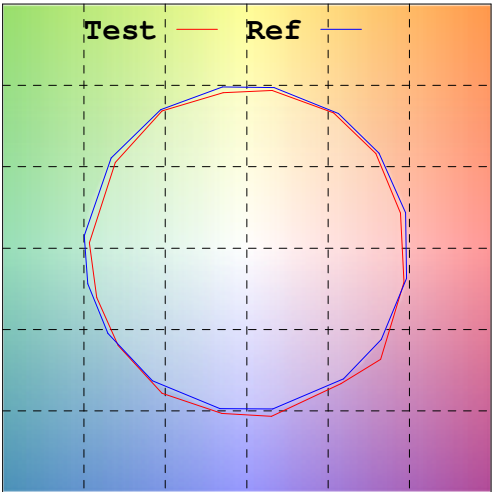
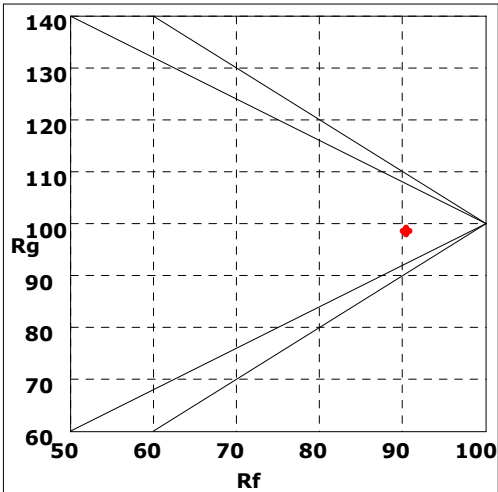
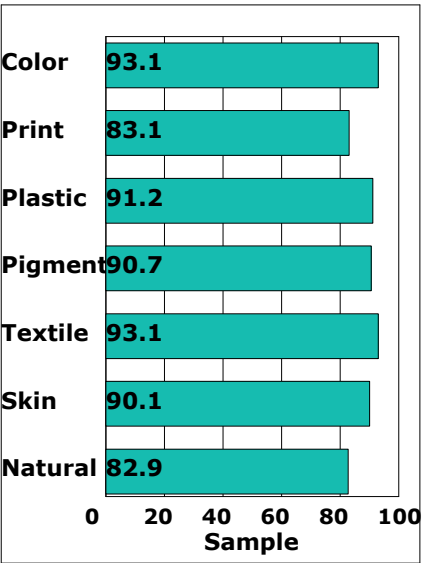
Product model:
Product number:
Tester:
Remarks:

Manufacturer:
Test unit:
Date of observation: 03/15/24

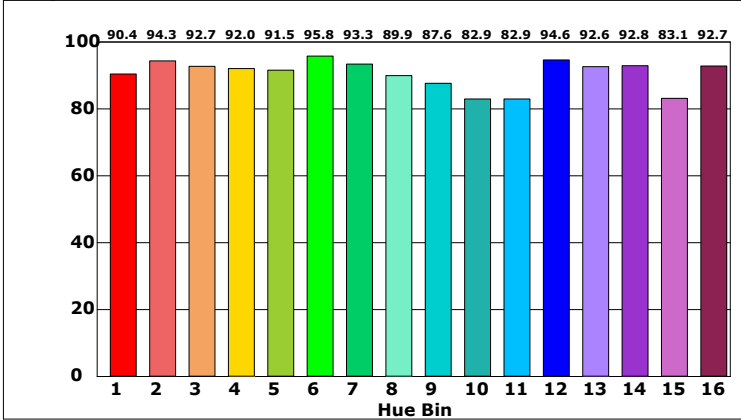
Rf: 90.4 CCT: 5287K u': 0.2069
Rg: 98.6 LER: 279.9 Duv: 0.00244 v': 0.4830



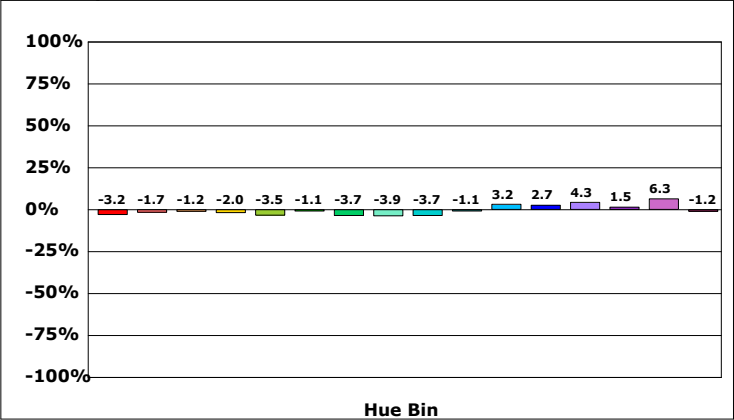
500			
Hue Bin	Rf	Chroma	Hue
1	90.4	-3.2%	0.5%
2	94.3	-1.7%	0.8%
3	92.7	-1.2%	2.6%
4	92.0	-2.0%	0.8%
5	91.5	-3.5%	0.4%
6	95.8	-1.1%	-0.2%
7	93.3	-3.7%	0.7%
8	89.9	-3.9%	3.6%
9	87.6	-3.7%	9.3%
10	82.9	-1.1%	9.6%
11	82.9	3.2%	9.1%
12	94.6	2.7%	1.7%
13	92.6	4.3%	-1.8%
14	92.8	1.5%	-3.0%
15	83.1	6.3%	-10.4%
16	92.7	-1.2%	-2.7%



Rf by Bue

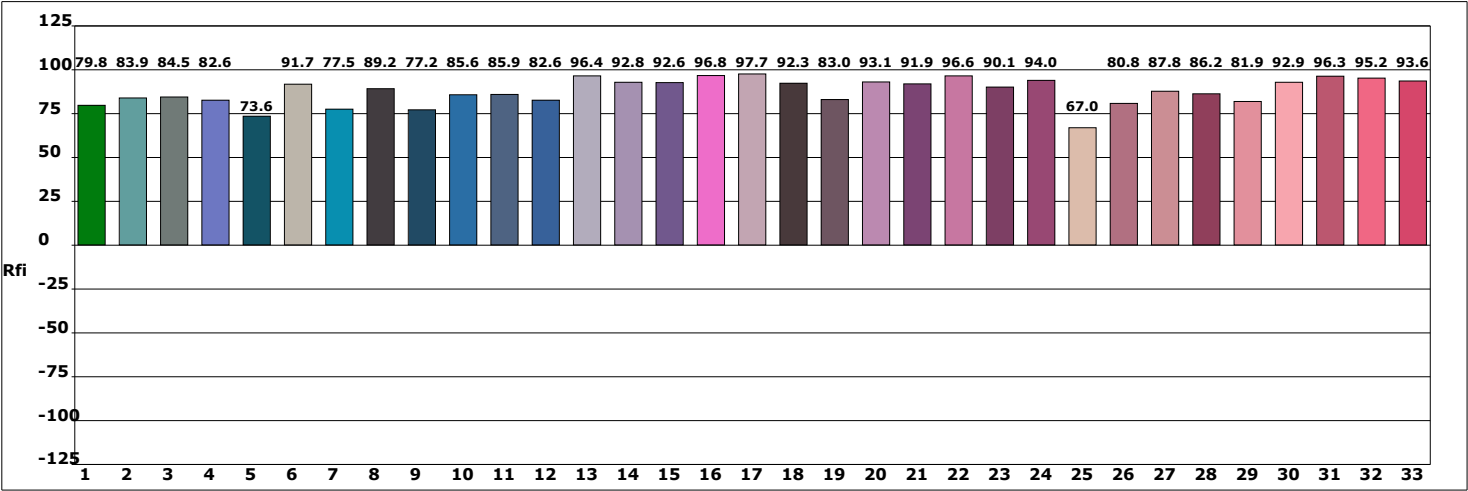
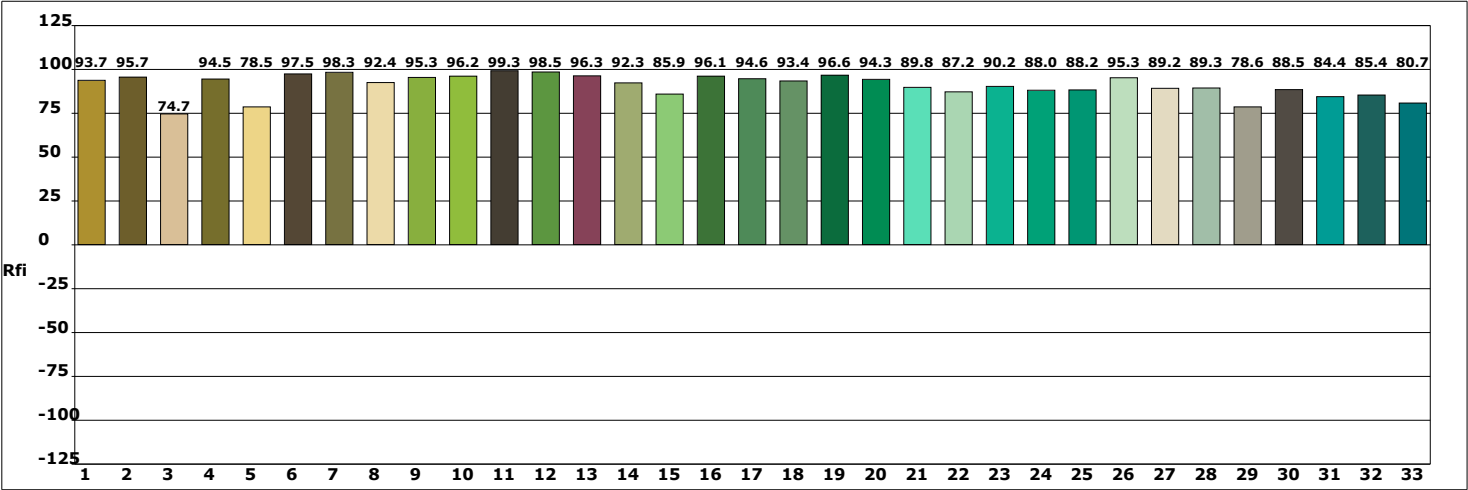
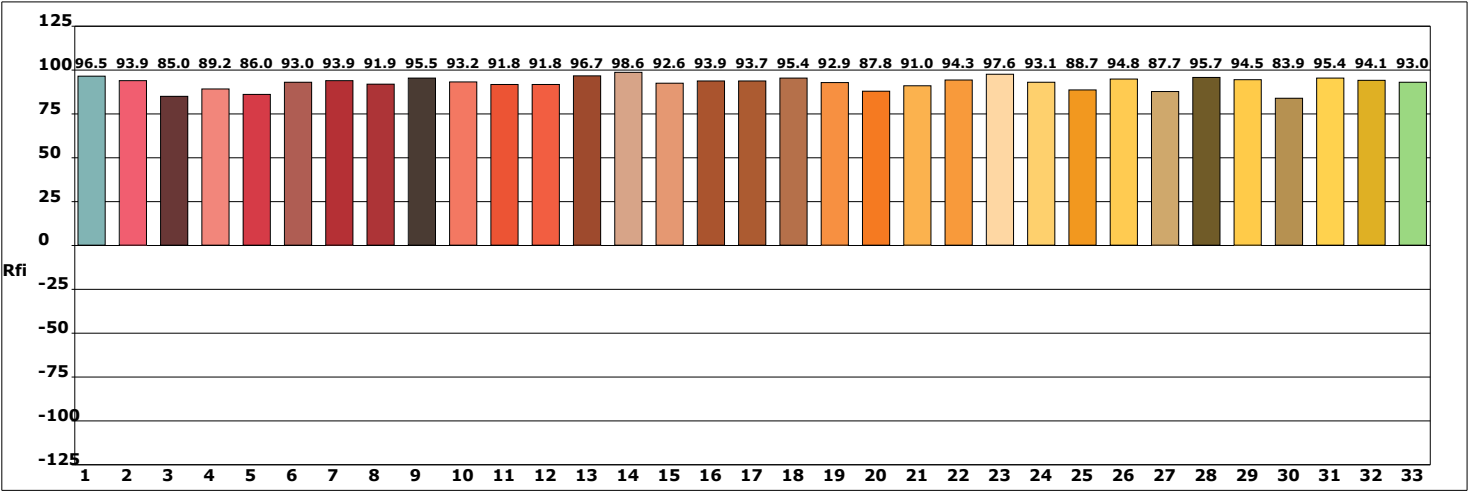


Chroma by Bue



Product model:
Product number:
Tester:
Remarks:

Manufacturer:
Test unit:
Date of observation: 03/15/24



Product model:
Product number:
Tester:
Remarks:

Manufacturer:
Test unit:
Date of observation: 03/15/24