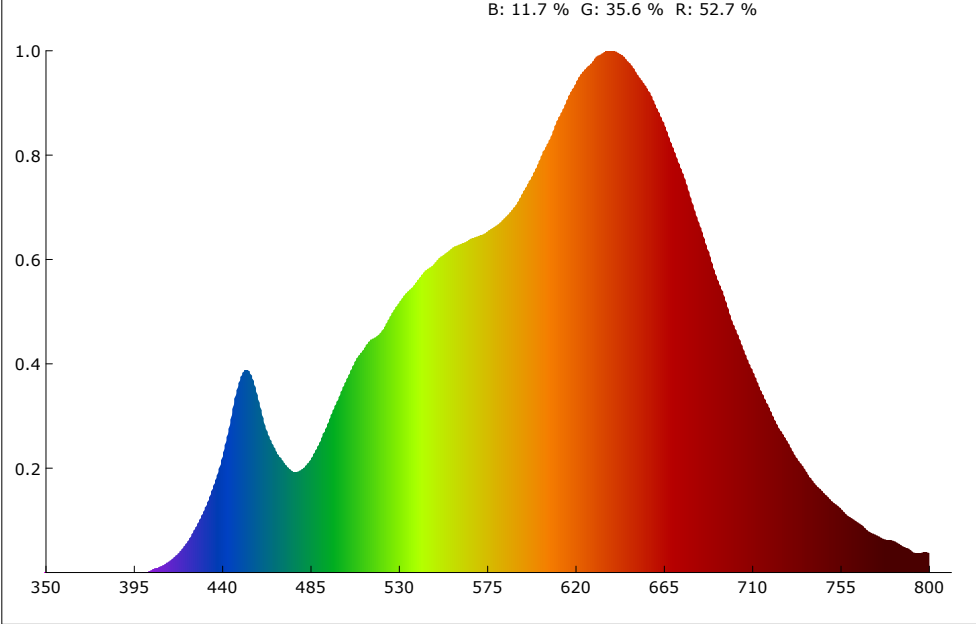
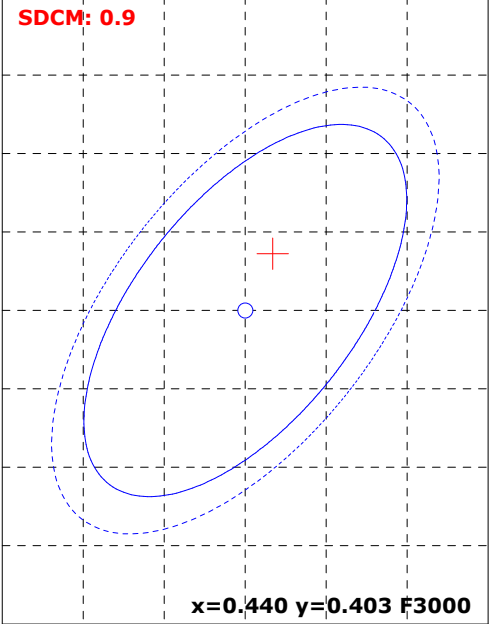


Spectrogram



SDCM



Color Parameter:

x: 0.4417	y: 0.4036	u: 0.2539	v: 0.3479	u': 0.2539	v': 0.5218
R_ratio: 52.7 %	G_ratio: 35.6 %	B_ratio: 11.7 %	RedRatio: 24.8 %	GreenRatio: 73.5 %	BlueRatio: 1.7 %
Ra: 97.6	AvgR: 96.7				
R1: 99.5	R2: 98.2	R3: 93.5	R4: 96.5	R5: 99.0	R6: 97.4
R7: 98.0	R8: 98.7	R9: 96.4	R10: 94.0	R11: 95.5	R12: 88.7
R13: 99.6	R14: 95.4	R15: 99.7			
CCT: 2916 K	Flux: 4628.397 lm	PeakWave: 636.5 nm	SDCM: 0.9		
S/P: 1.4	CentralWave: 612.0 nm	DominantWave: 583.5 nm	CentroidWave: 606.2 nm		
HalfWidth: 170.8 nm	duv: -0.00086	purity: 53.7 %	CQS: 91.8		
LER(TM-30): 253.5	Ep: 18260.1 mw	Rg: 102.8	Rf: 94.8		
Red Ep: 8661.6 mw	Near red Ep: 1723.6 mw	Near infrared Ep: 101.3 mw			

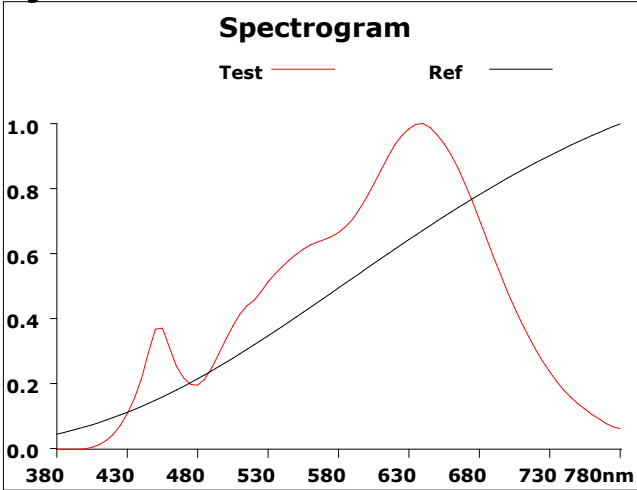
Electrical parameters:

Effic: 16.9 Lm/W	Energy: 18.4	Effi: G	
U: 221.2 V	I: 1.302 A	P: 274.500 W	Pf: 0.953

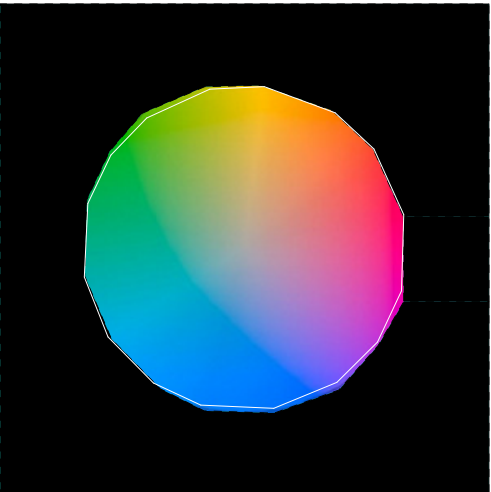
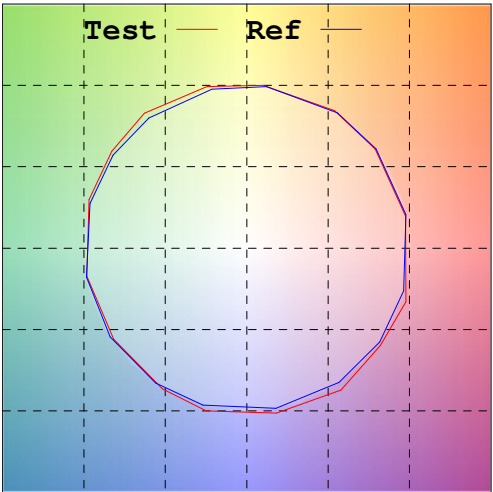
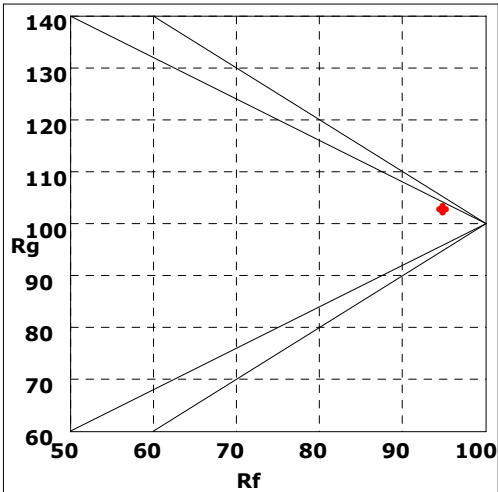
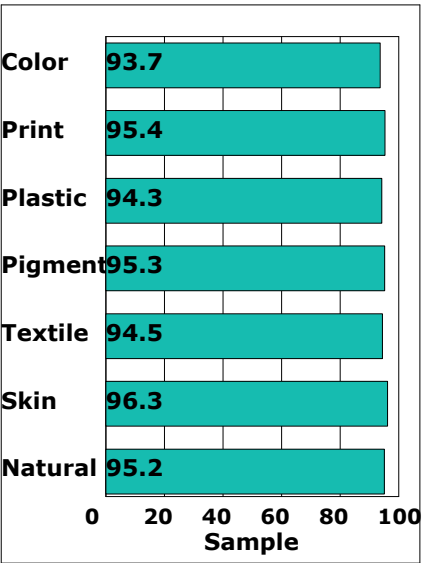
Product model:
Product number:
Tester:
Remarks:

Manufacturer:
Test unit:
Date of observation: 10/12/23

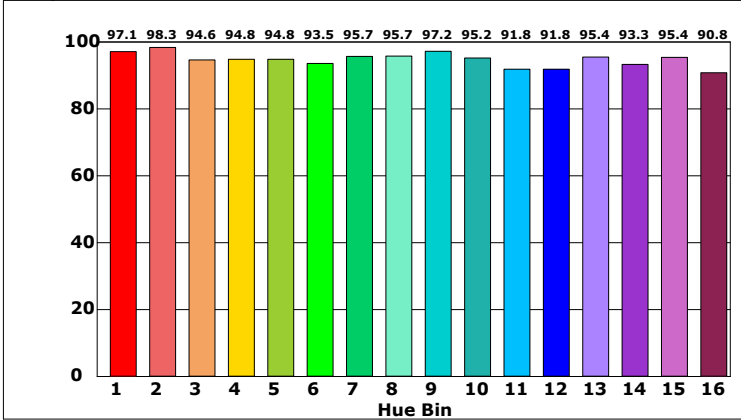
Rf: 94.8 CCT: 2916K u': 0.2539
Rg: 102.8 LER: 253.5 Duv: -0.00086 v': 0.5218



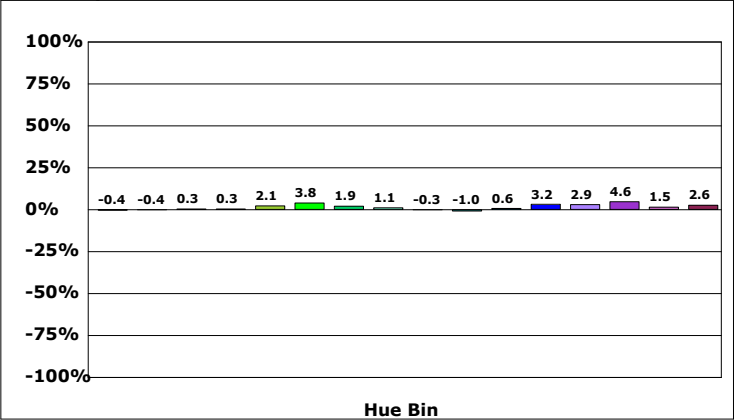
500			
Hue Bin	Rf	Chroma	Hue
1	97.1	-0.4%	-0.9%
2	98.3	-0.4%	0.3%
3	94.6	0.3%	2.4%
4	94.8	0.3%	1.9%
5	94.8	2.1%	2.7%
6	93.5	3.8%	0.7%
7	95.7	1.9%	-1.5%
8	95.7	1.1%	-2.3%
9	97.2	-0.3%	-0.5%
10	95.2	-1.0%	2.3%
11	91.8	0.6%	5.3%
12	91.8	3.2%	2.6%
13	95.4	2.9%	-0.3%
14	93.3	4.6%	-1.6%
15	95.4	1.5%	-1.5%
16	90.8	2.6%	-6.3%



Rf by Bue

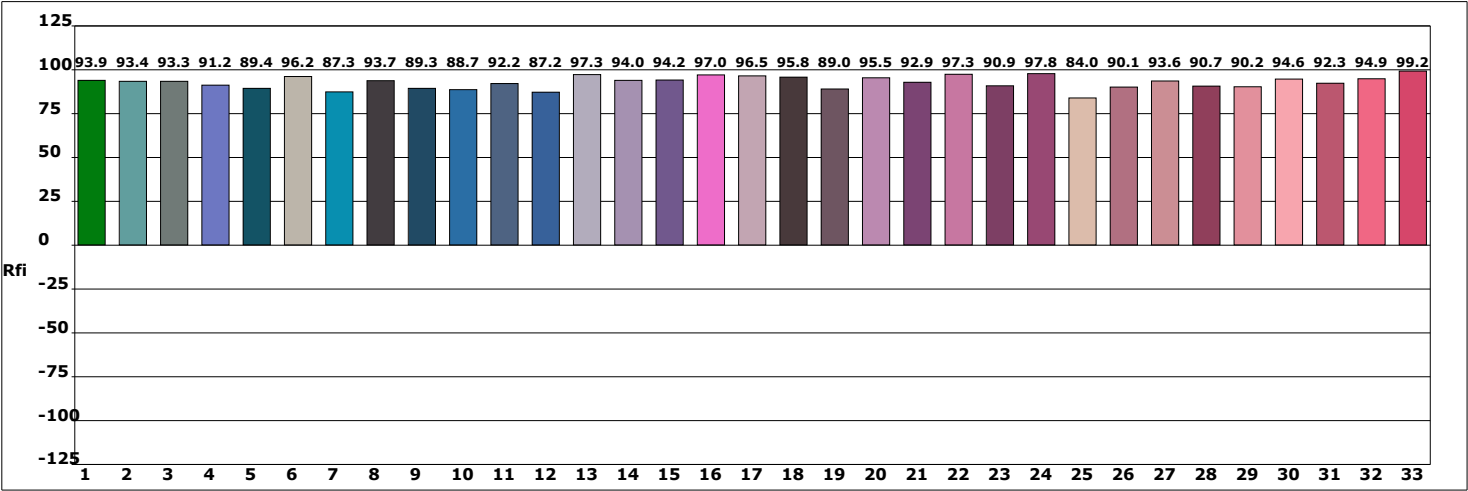
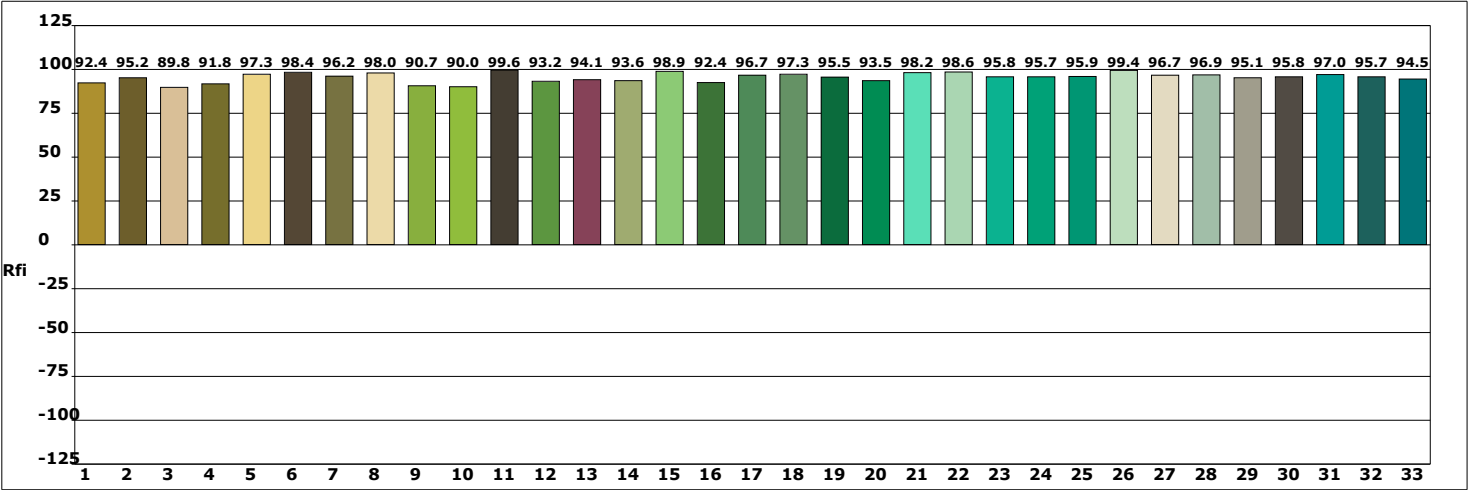
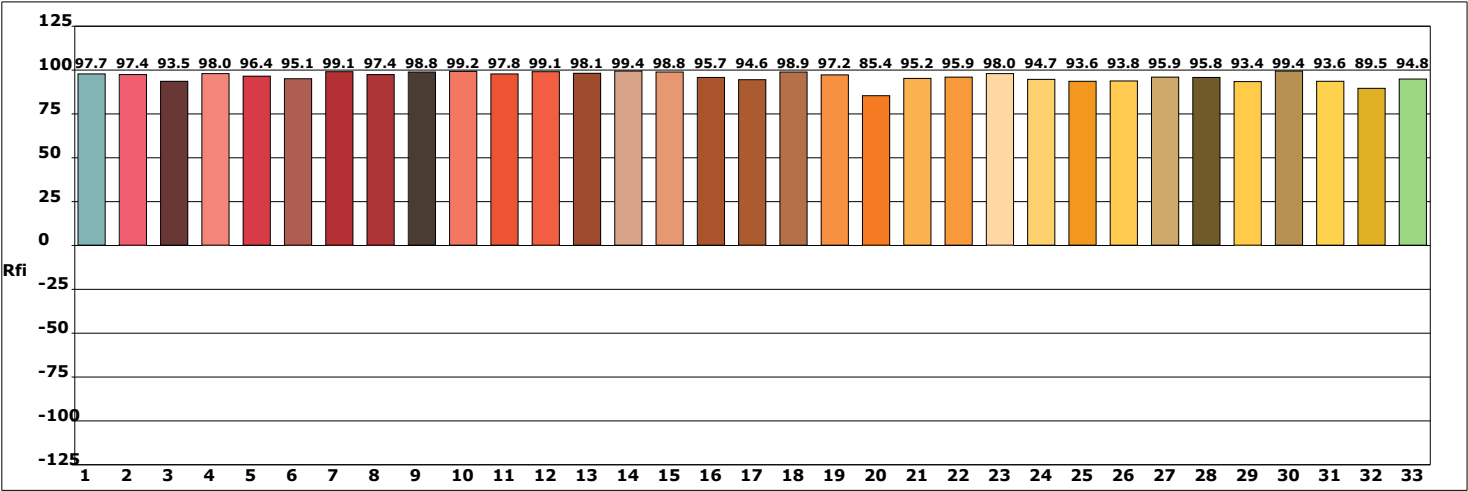


Chroma by Bue



Product model:
Product number:
Tester:
Remarks:

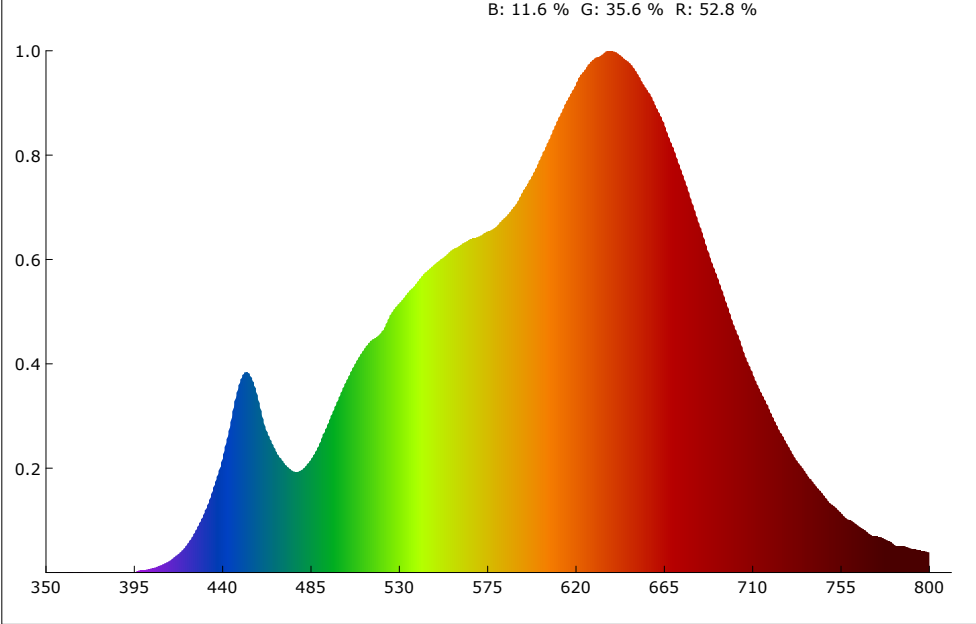
Manufacturer:
Test unit:
Date of observation: 10/12/23



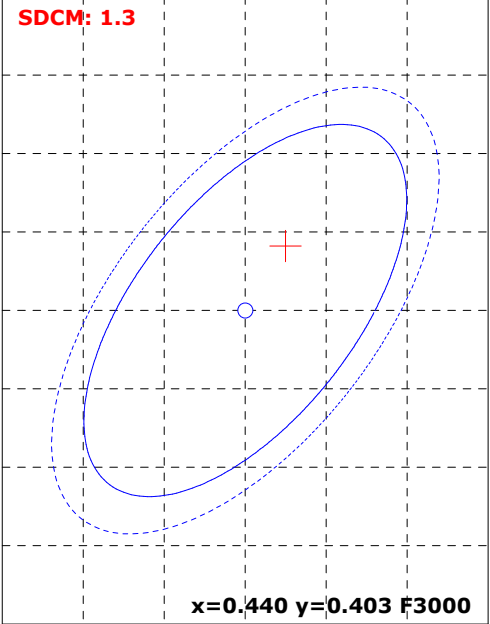
Product model:
Product number:
Tester:
Remarks:

Manufacturer:
Test unit:
Date of observation: 10/12/23

Spectrogram



SDCM



Color Parameter:

x: 0.4425 y: 0.4041 u: 0.2542 v: 0.3482 u': 0.2542 v': 0.5223
R_ratio: 52.8 % G_ratio: 35.6 % B_ratio: 11.6 % RedRatio: 24.9 % GreenRatio: 73.5 % BlueRatio: 1.7 %

Ra: 97.6 AvgR: 96.6
R1: 99.7 R2: 98.2 R3: 93.7 R4: 96.9 R5: 99.2 R6: 97.0 R7: 97.7 R8: 98.4
R9: 95.8 R10: 94.0 R11: 95.8 R12: 88.2 R13: 99.7 R14: 95.4 R15: 99.7

CCT: 2907 K Flux: 6619.833 lm PeakWave: 636.5 nm SDCM: 1.3
S/P: 1.4 CentralWave: 612.2 nm DominantWave: 583.5 nm CentroidWave: 606.1 nm
HalfWidth: 171.0 nm duv: -0.00068 purity: 54.1 % CQS: 91.9
LER(TM-30): 253.9 Ep: 26073.5 mw Rg: 102.7 Rf: 94.9
Red Ep: 12405.3 mw Near red Ep: 2422.6 mw Near infrared Ep: 148.0 mw

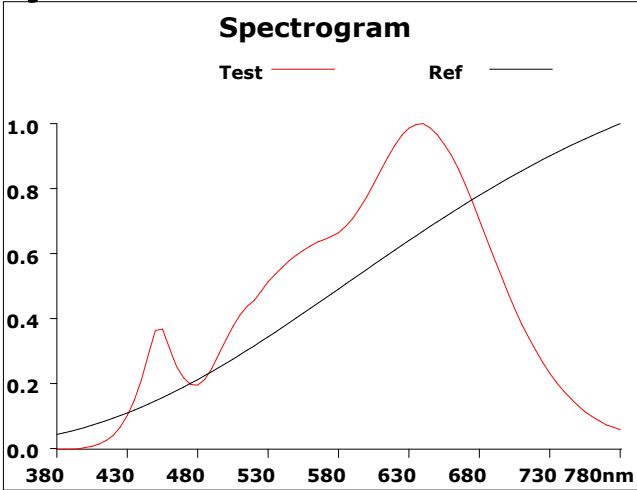
Electrical parameters:

Effic: 24.0 Lm/W Energy: 26.2 Effi: G
U: 221.3 V I: 1.305 A P: 275.300 W Pf: 0.953

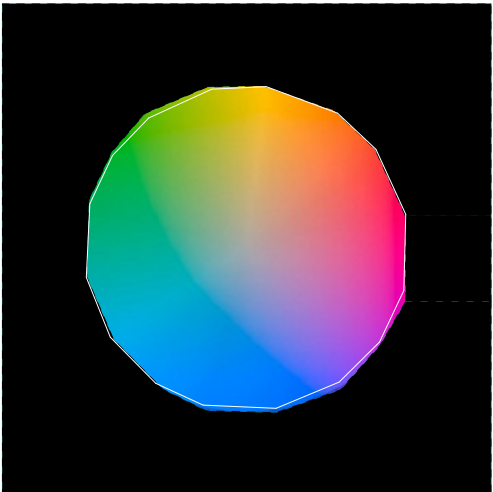
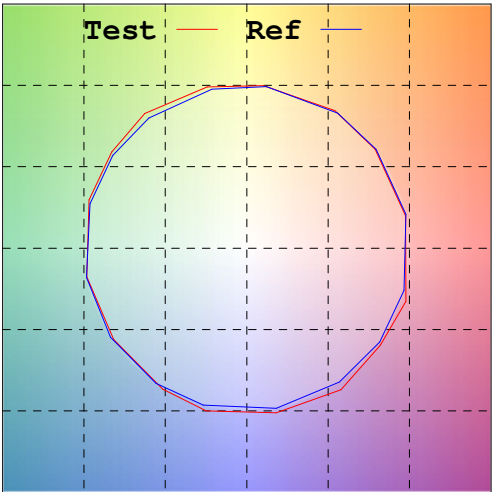
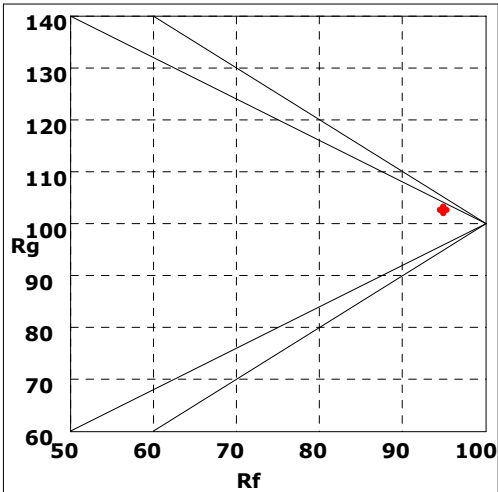
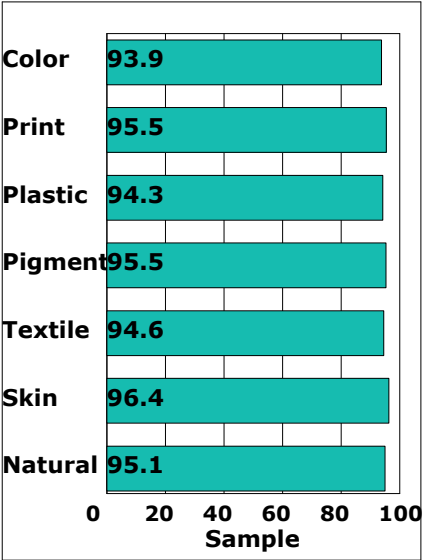
Product model:
Product number:
Tester:
Remarks:

Manufacturer:
Test unit:
Date of observation: 10/12/23

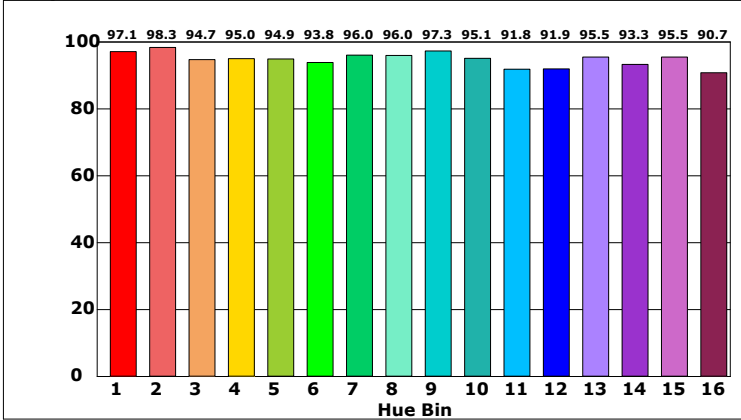
Rf: 94.9 CCT: 2907K u': 0.2542
Rg: 102.7 LER: 253.9 Duv: -0.00068 v': 0.5223



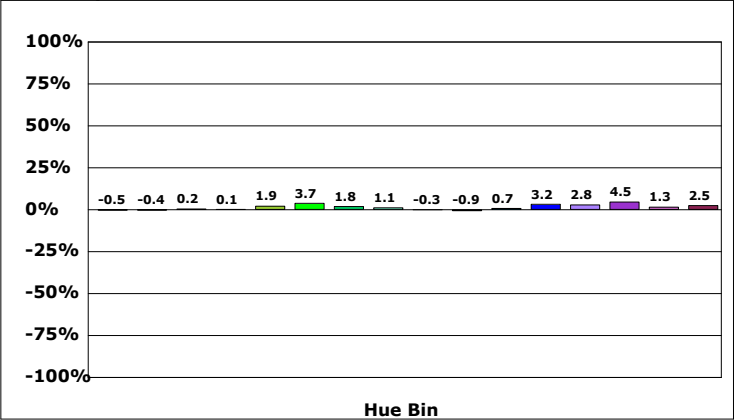
500			
Hue Bin	Rf	Chroma	Hue
1	97.1	-0.5%	-0.9%
2	98.3	-0.4%	0.3%
3	94.7	0.2%	2.3%
4	95.0	0.1%	1.8%
5	94.9	1.9%	2.7%
6	93.8	3.7%	0.7%
7	96.0	1.8%	-1.4%
8	96.0	1.1%	-2.1%
9	97.3	-0.3%	-0.4%
10	95.1	-0.9%	2.4%
11	91.8	0.7%	5.3%
12	91.9	3.2%	2.5%
13	95.5	2.8%	-0.5%
14	93.3	4.5%	-1.8%
15	95.5	1.3%	-1.5%
16	90.7	2.5%	-6.3%



Rf by Bue

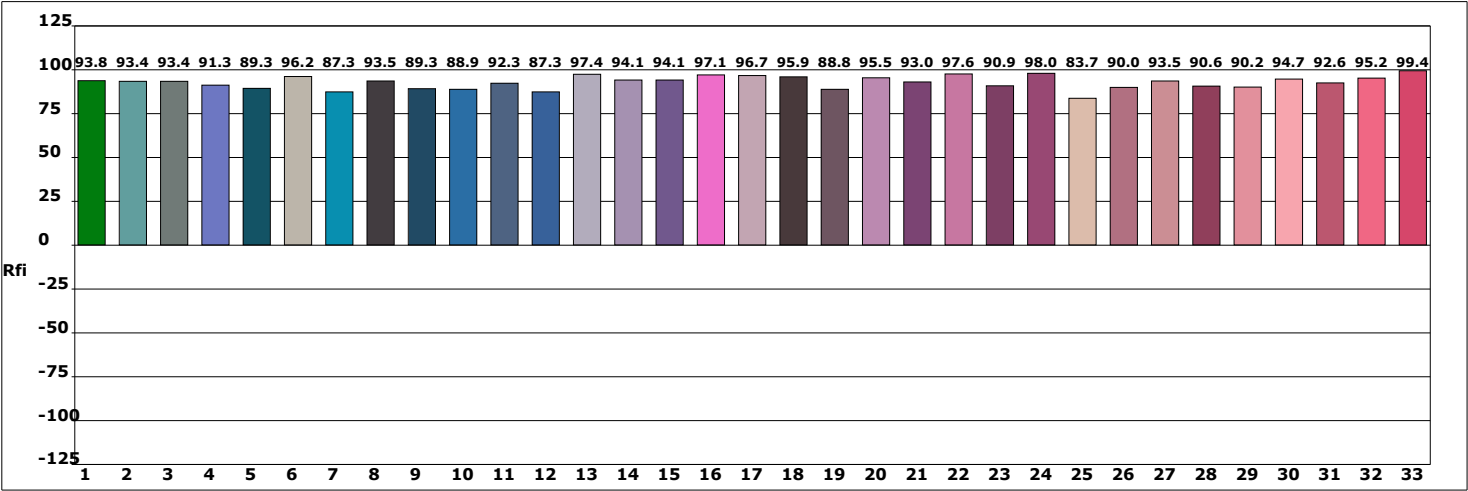
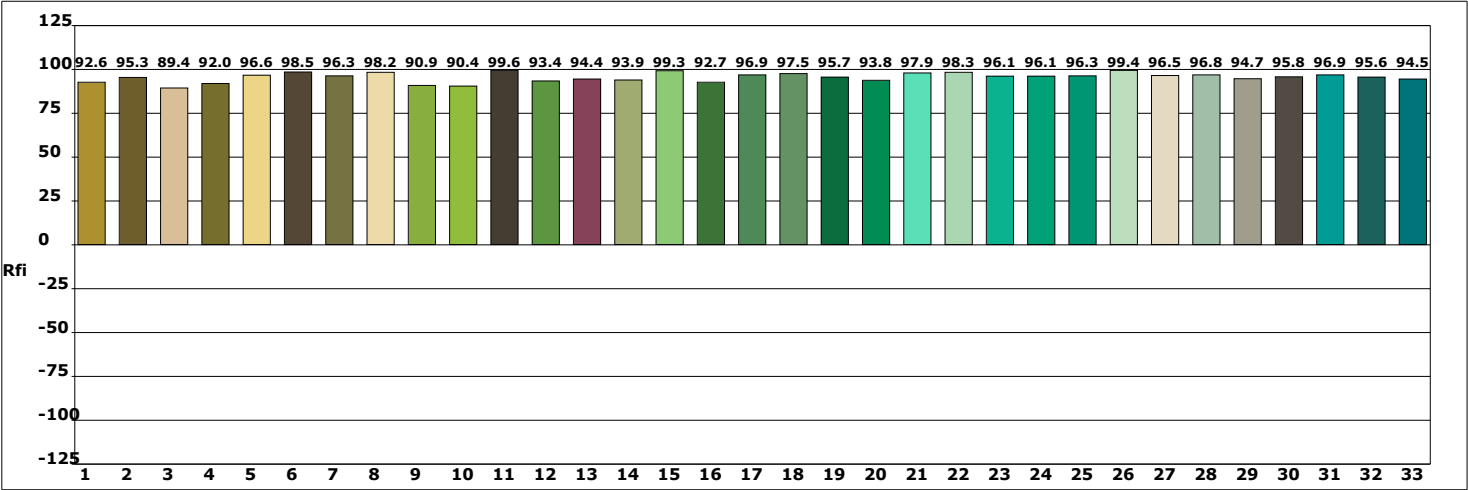
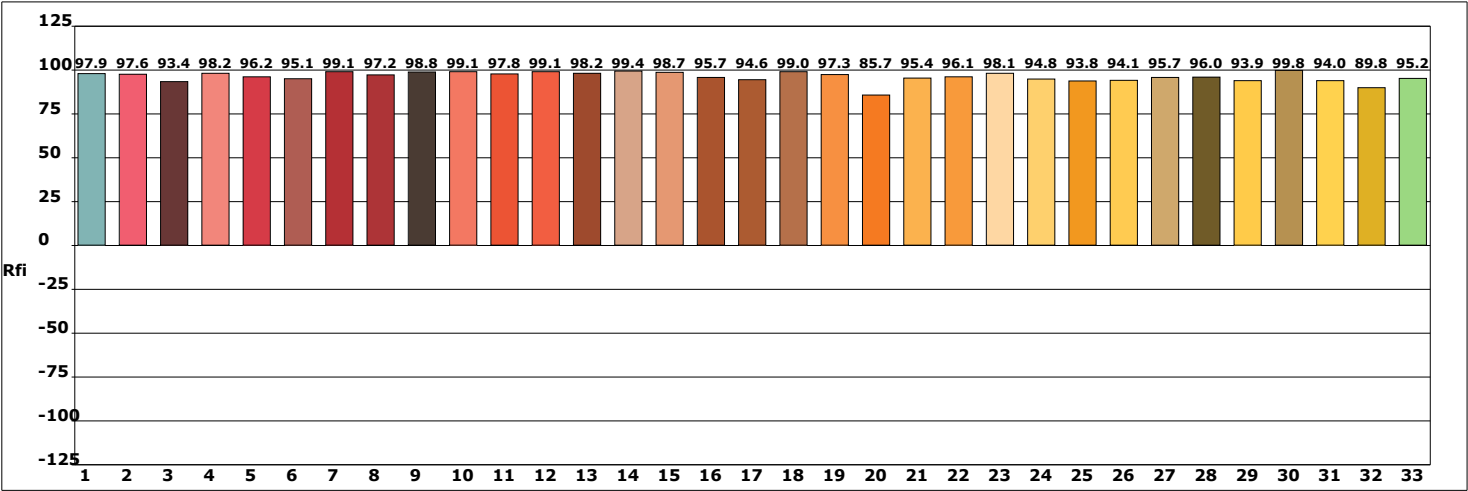


Chroma by Bue



Product model:
Product number:
Tester:
Remarks:

Manufacturer:
Test unit:
Date of observation: 10/12/23



Product model:
Product number:
Tester:
Remarks:

Manufacturer:
Test unit:
Date of observation: 10/12/23