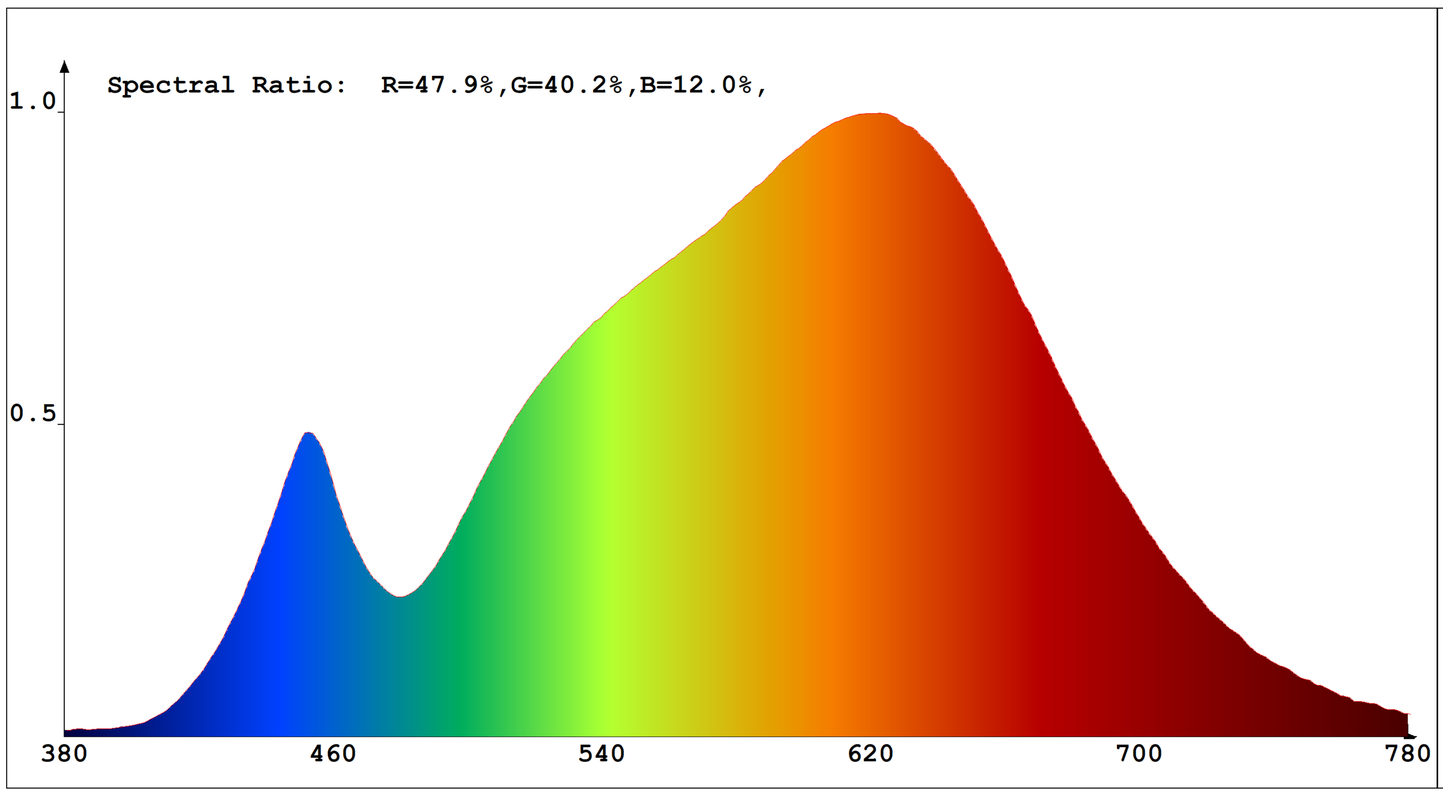
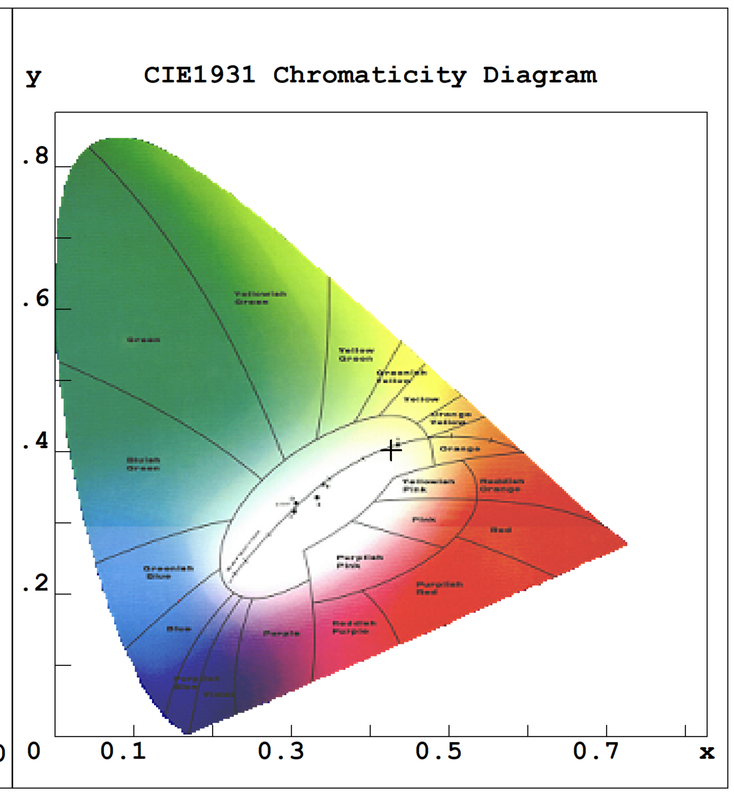
Luminaire test report

Product Mark

Product Type : Bogota 20W
Manufacturer : Lumen Warm Inc.
Temperature : 21.8'C
Humidity : 42.5%
Operator : NDR
Test Date : 2019-11-25
Remark: no driver, output cc I=500mA





Chroma Parameters

Chro.Coor.:x=0.4269 y=0.4022 u=0.2449 v=0.3461 duv=0.0007
CCT: 3161K Dominant Wave.:581.9nm Purity:48.9% Centre Wave:597.7nm
Flux RGB Ratio:R=22.1%,G=76.2%,B=1.7% Peak Wave:621.8nm Half Width:170.8nm

Rendering Index:Ra= 90.0 CRI= 86.9

R1 =90	R2 =93	R3 =94	R4 =91	R5 =89	R6 =90	R7 =92	R8 =81
R9 =55	R10=82	R11=90	R12=77	R13=90	R14=96	R15=87	

Fidelity Index(Rf)=89.1 Gamut Index(Rg)=100.1

Photo Parameters

Flux:1166.69lm Effi.:63.9lm/W Radiant:3851.9mW Iv:0.0mcd
Efficiency:0.21 Effi Level:A (EU 874-2012)

Ele. Parameters

Voltage:U=36.50V Current:I=0.5000A
Power:P=18.250W Power Factor:PF=1.000

Instrument state

Instrument:Hopoo HP8000 Integral Time: 110.694ms VPeak: 14041
VDark: 1299 Scan Range: 380-780nm Product ID: 201901623

IES TM-30-2015 Test Report

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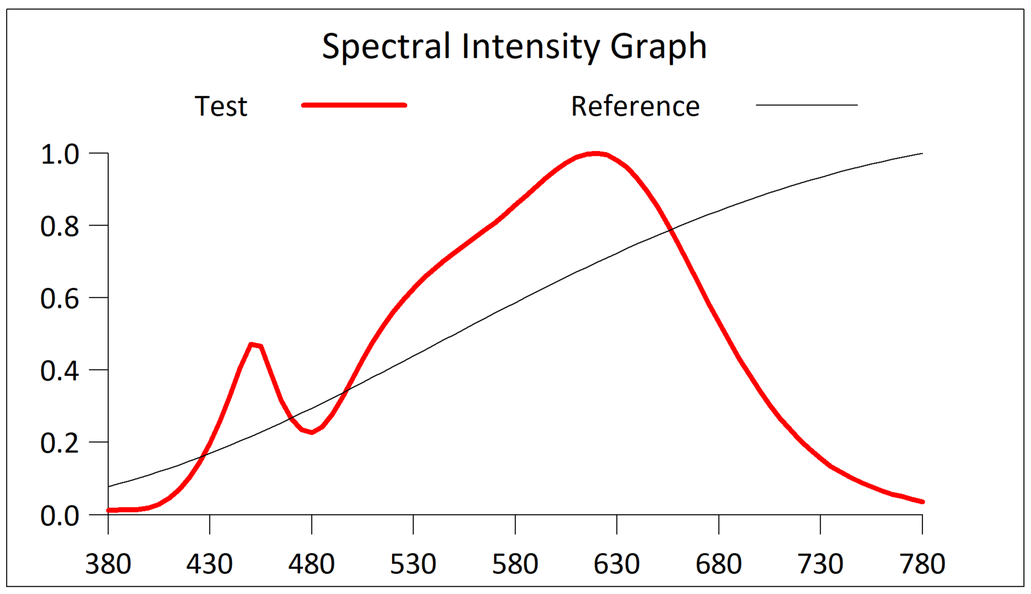
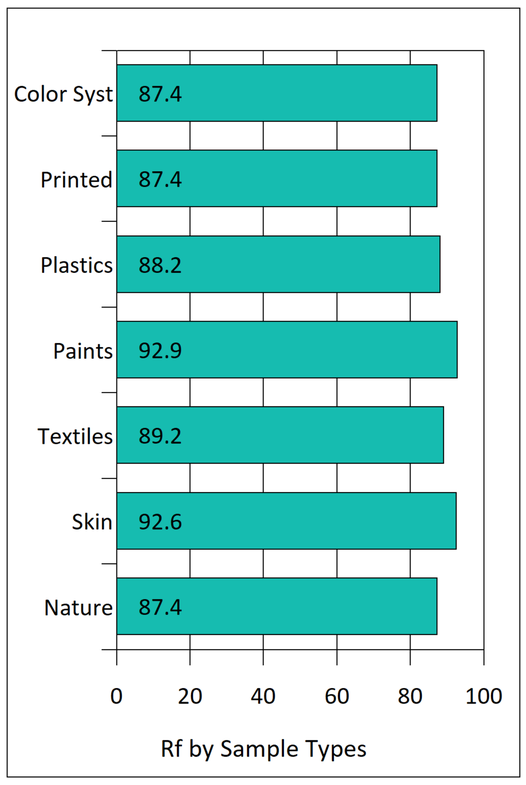
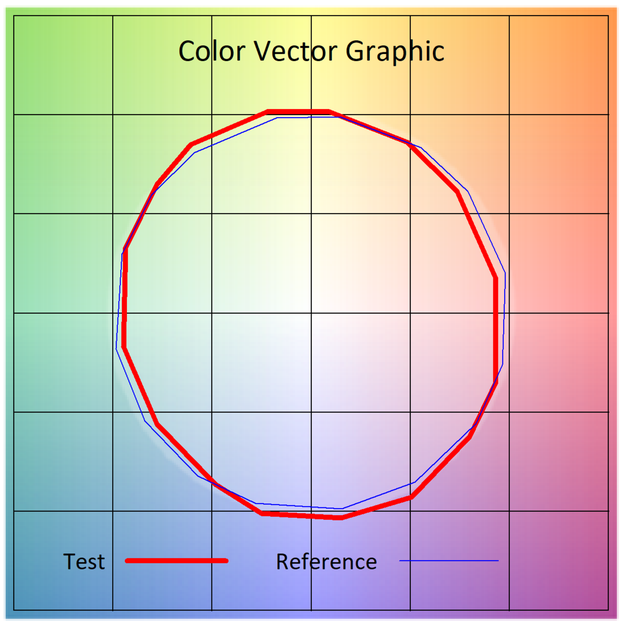
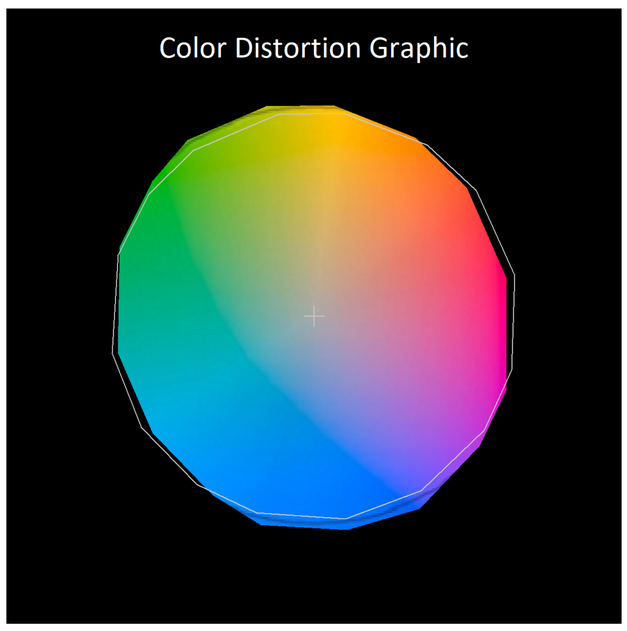
Rf: 89.1		CCT(K): 3161	u': 0.2449
Rg: 100.1	LER: 290.5	Duv: 0.0007	v': 0.3461

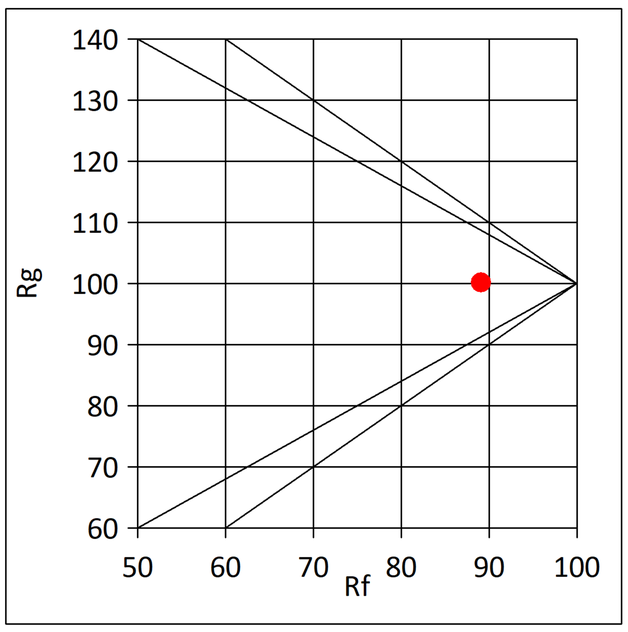


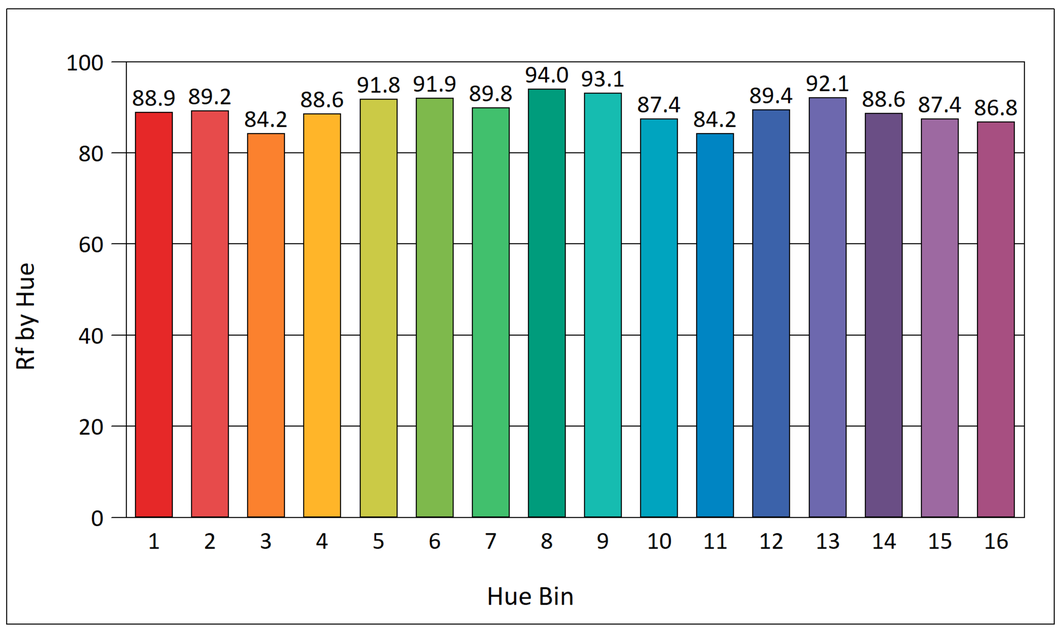
		Graphic Shifts (%)	
Hue Bin	Rf	Chroma	Hue
1	88.9	-5.3%	-1.4%
2	89.2	-4.4%	3.5%
3	84.2	-1.5%	7.3%
4	88.6	1.7%	6.3%
5	91.8	3.8%	4.1%
6	91.9	4.4%	-0.8%
7	89.8	0.8%	-5.6%
8	94.0	-1.2%	-3.3%
9	93.1	-3.8%	-0.3%
10	87.4	-4.3%	4.9%
11	84.2	-1.3%	9.4%
12	89.4	4.3%	3.9%
13	92.1	4.4%	-1.1%
14	88.6	5.3%	-5.9%
15	87.4	1.0%	-7.3%
16	86.8	-1.8%	-9.3%

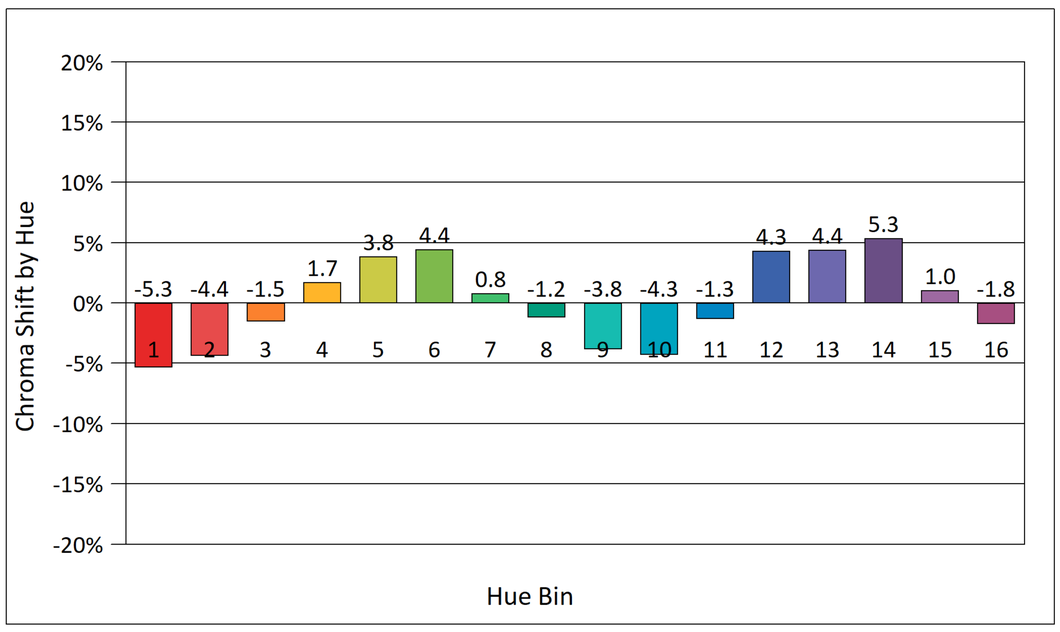












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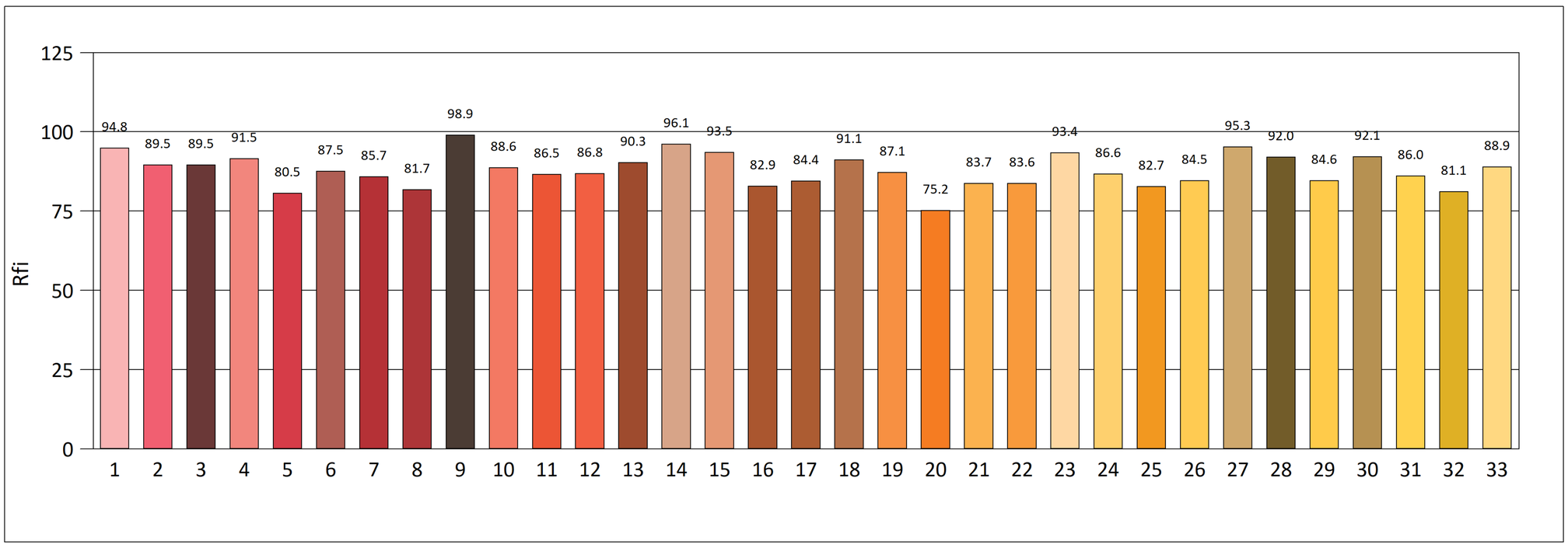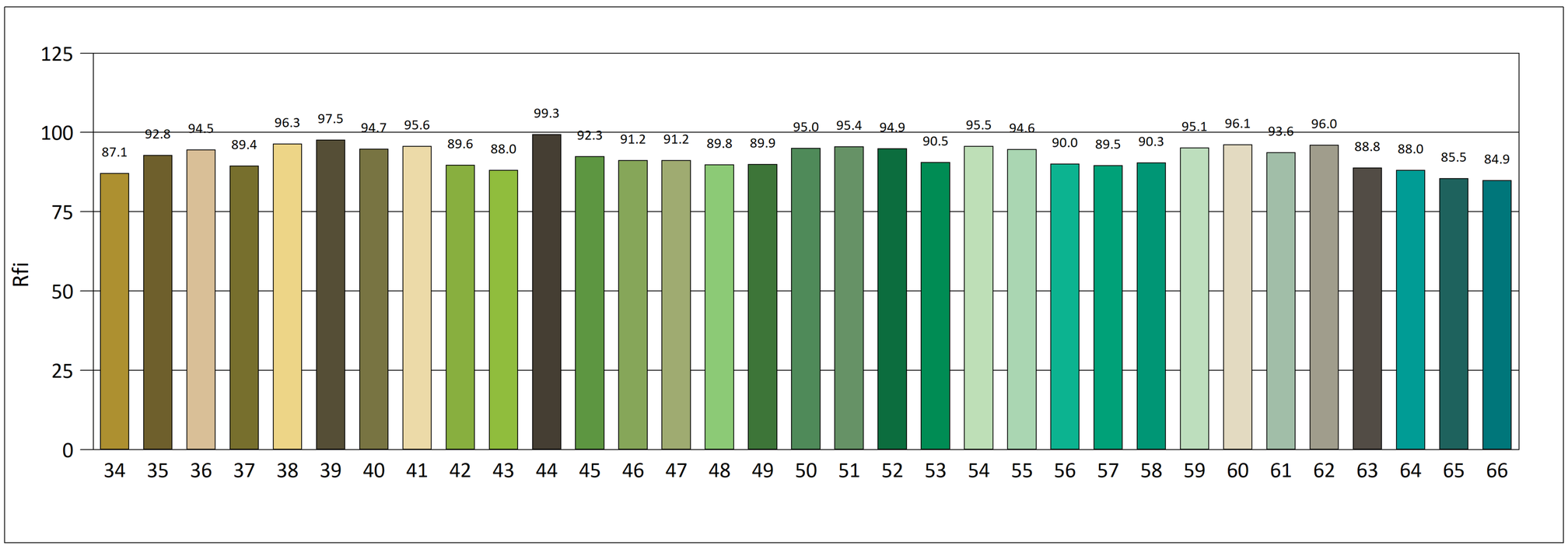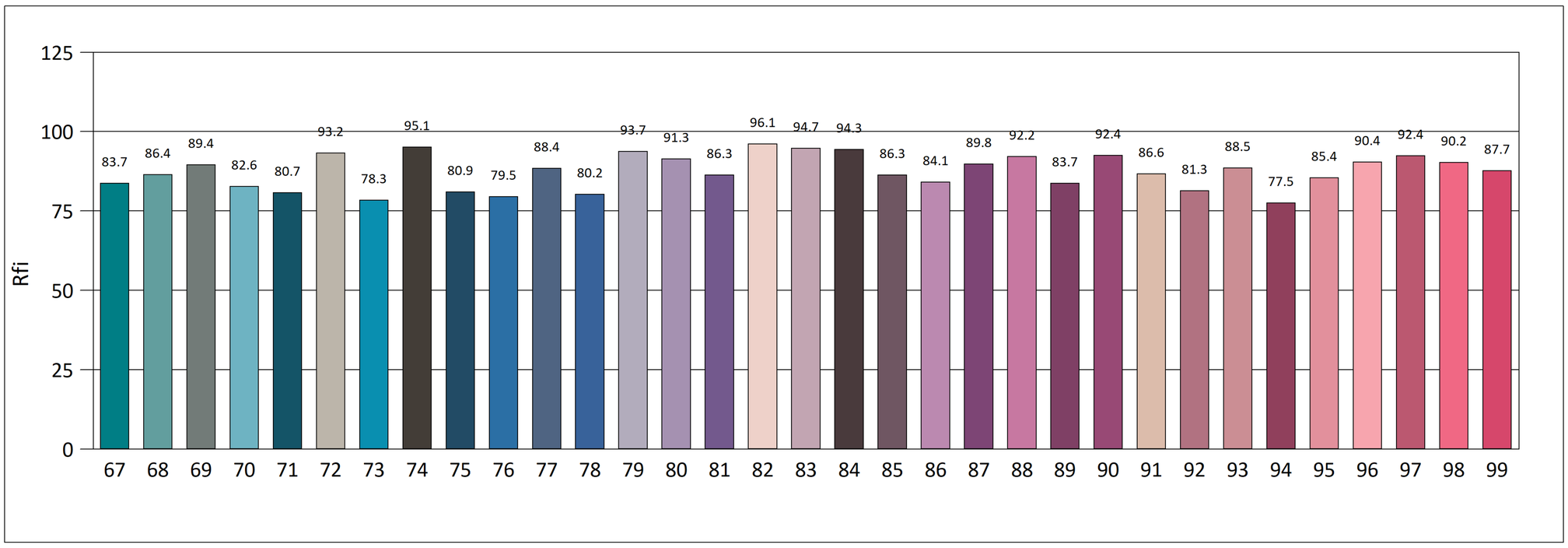
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