LUZ NEGRA
www.luznegra.net

ecoled

LOW BRIGHTNESS | **MENORCA** | **FLEXIBLE STRIP**

Ref: 32.011 5500K
Ref: 32.012 4000K

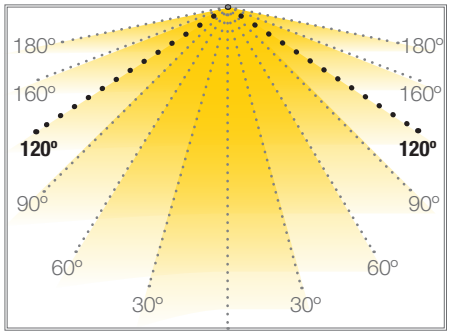
Single-coloured flexible strip "**PRO WATERPROOF DUO"**
IP67 with 96 leds/metre 3014SMD.

Side lighting flexible led strip.

10mm PCB

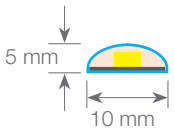
Daily recommended use: 18h
Maximum connection in open circuit: 7.5m
Maximum connection in closed circuit: 15m
Estimated lifespan: 50000h *

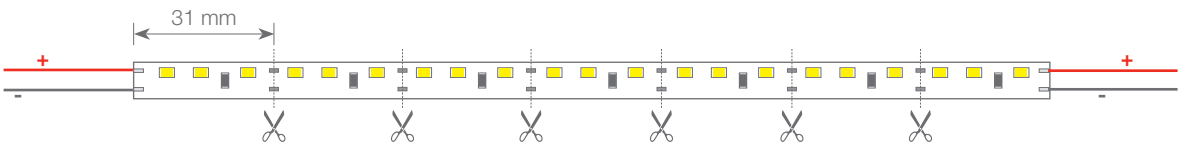
* Depending on the dissipation of the profile, the daily working hours and the external environmental working temperature



Power (W)	7.7W/m
Voltage (V)	12V
Led type	SMD3014
Lumens (5500K)	600 Lm/m
Lumens (4000K)	550 Lm/m
CRI	>75
Light emission	120º
Waterproofing	IP67 "DUO"
Nº leds/m	96
Measurements	5000x10x5mm
Cuttable	every 31mm
PCB	10mm
Working temperature	-20°C / +40°C
Apt for	indoor/outdoor
Packaging	1 roll/5m
Guarantee	3 years

Approved by: CE RoHS COMPLIANT





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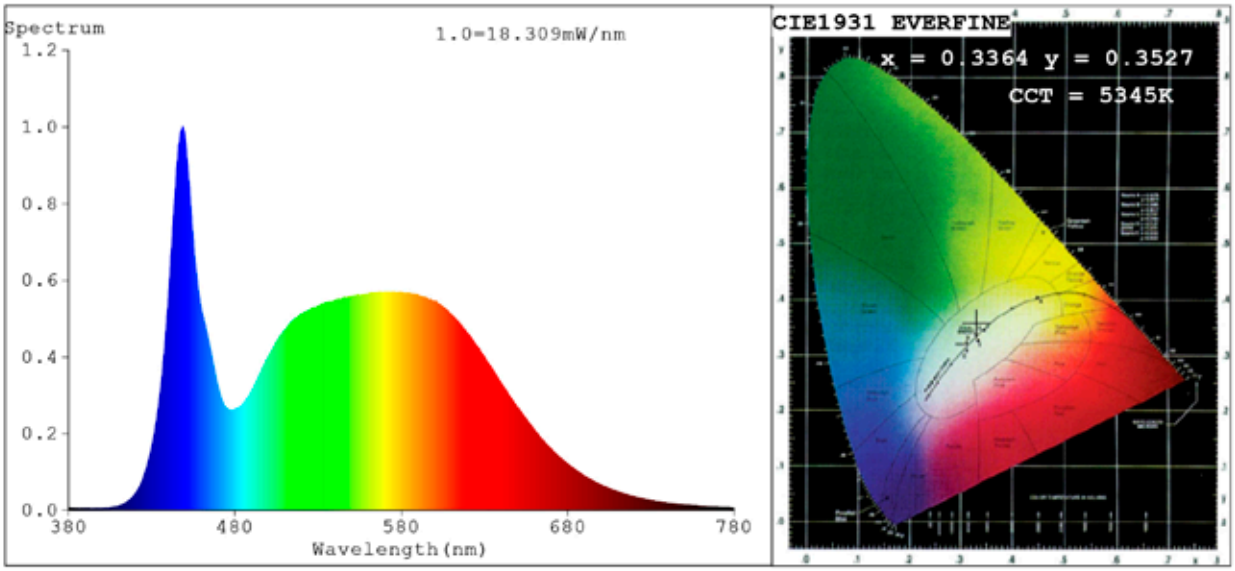
Spectrum Test Report



Color Parameters:

Chromaticity Coordinate:x=0.3364 y=0.3527/u'=0.2051 v'=0.4839

CCT=5345K(Duv=0.0042) Dominant WL:Ld =560.7nm Purity=6.8%

Ratio:R=15.1% G=80.1% B=4.8%;;Peak WL:Lp=448.5nm FWHM=22.2nm

Render Index:Ra=84.0 CRI=77.4 TM30:Rf=83 Rg=96

R1 =82	R2 =88	R3 =92	R4 =85	R5 =83	R6 =84	R7 =88	
R8 =70	R9 =12	R10=71	R11=85	R12=65	R13=83	R14=96	R15=77

Photo Parameters:

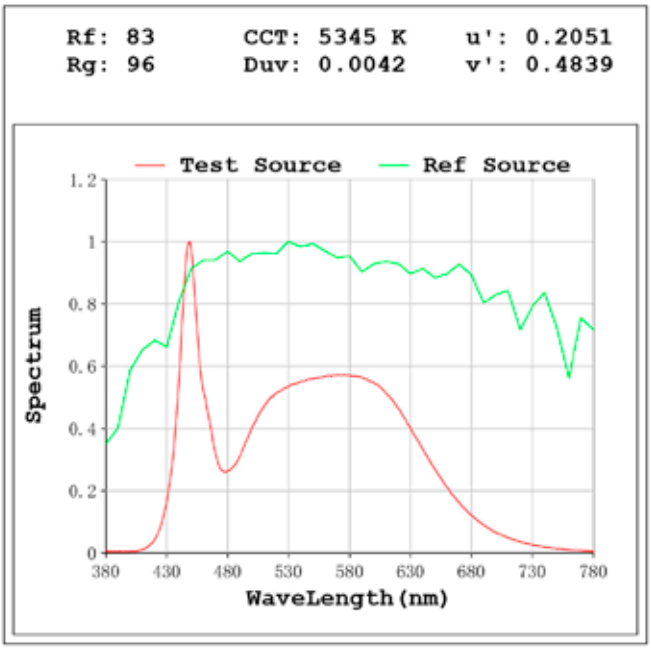
Flux = 685.9 lm Eff. : 90.37 lm/W Fe = 2.153 W Scotopic:1397.6 S/P:2.0375

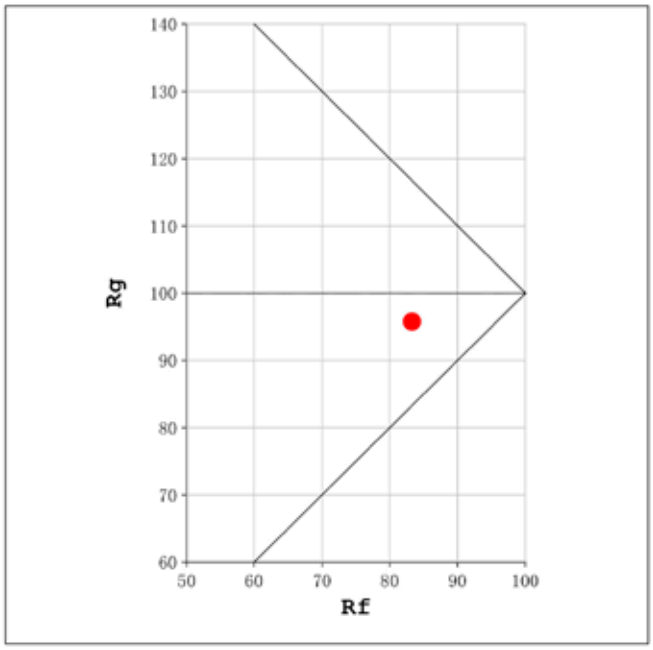
Electrical parameters:

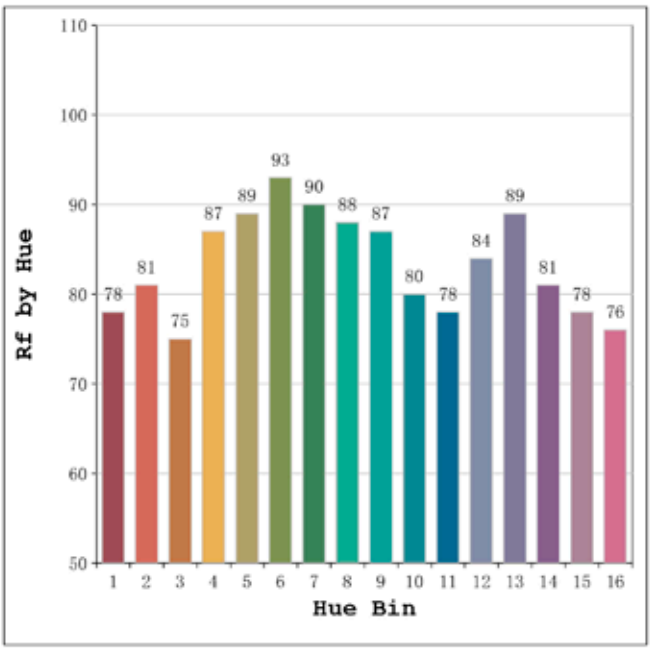
V = 11.998 V I = 0.6326 A P = 7.590 W PF = 1.000

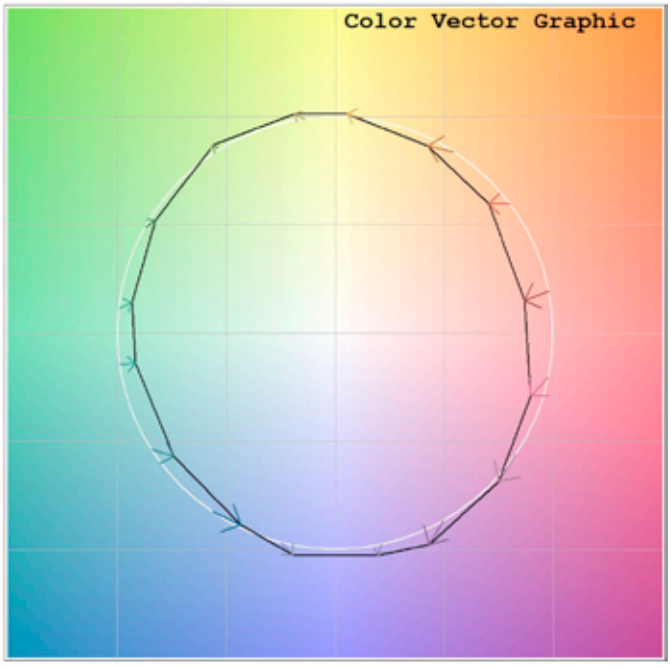
Status: Integral T = 1985 ms Ip = 52239 (80%)

Model:Ecoled Menorca 5500K	Number: 32.011
Tester:Sergio Carneros	Date:25-5-2021
Temperature:27Deg	Humidity:57%
Manufacturer:Luz Negra S.L.	Remarks:100c, de tria flexible









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Tester:Sergio Carneros
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Manufacturer:Luz Negra S.L.

Number: 32.011
Date:25-5-2021
Humidity:57%
Remarks:100c, de tria flexible

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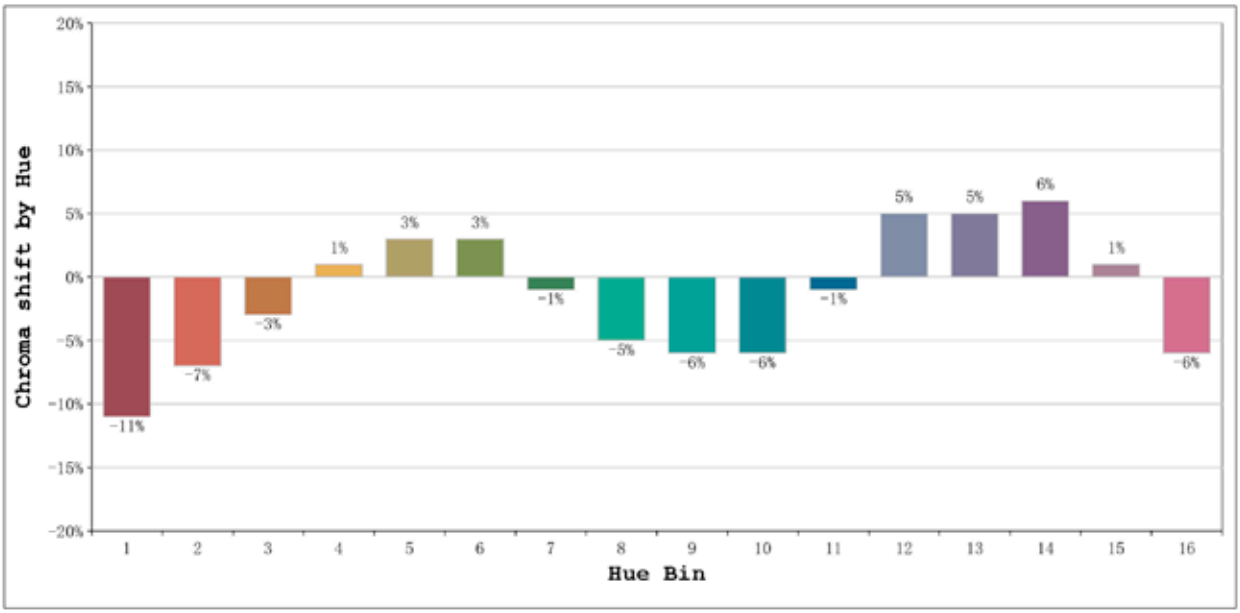

			Graphic shift(%)	
Hue Bin	Hue Angle	Rf	Chroma	Hue
1	0.0° - 22.5°	78	-11	-1
2	22.5° - 45.0°	81	-7	5
3	45.0° - 67.5°	75	-3	11
4	67.5° - 90.0°	87	1	8
5	90.0° - 112.5°	89	3	4
6	112.5° - 135.0°	93	3	-1
7	135.0° - 157.5°	90	-1	-4
8	157.5° - 180.0°	88	-5	-3
9	180.0° - 202.5°	87	-6	1
10	202.5° - 225.0°	80	-6	8
11	225.0° - 247.5°	78	-1	14
12	247.5° - 270.0°	84	5	7
13	270.0° - 292.5°	89	5	-2
14	292.5° - 315.0°	81	6	-10
15	315.0° - 337.5°	78	1	-14
16	337.5° - 360.0°	76	-6	-9

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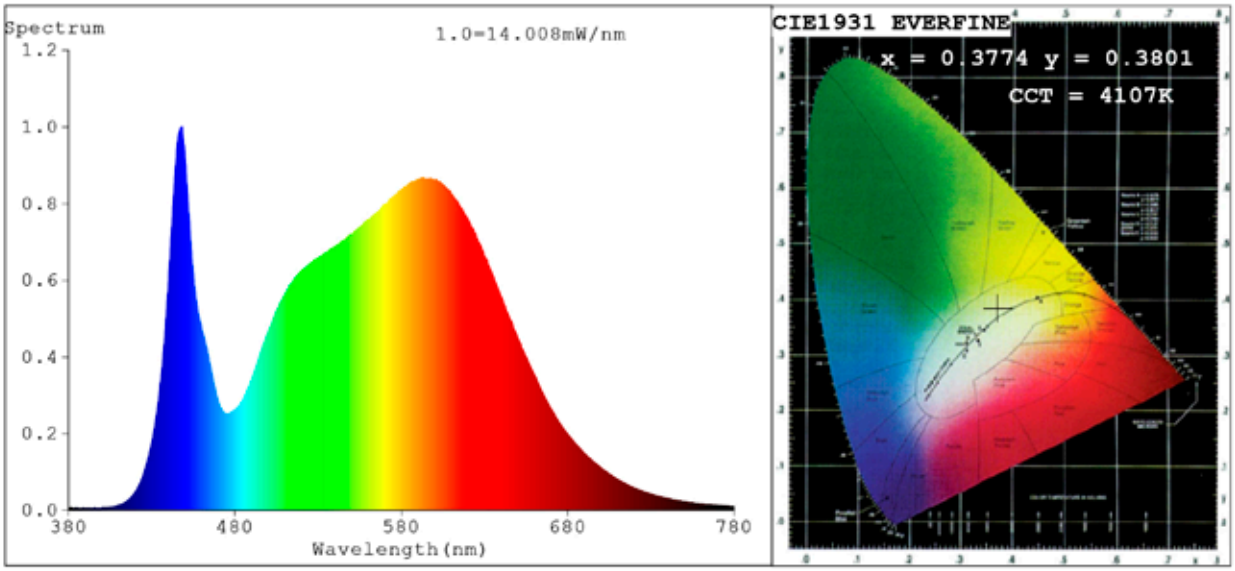


Color Parameters:

Chromaticity Coordinate:x=0.3774 y=0.3801/u'=0.2218 v'=0.5026

CCT=4107K(Duv=0.0025) Dominant WL:Ld =577.3nm Purity=27.3%

Ratio:R=18.0% G=78.4% B=3.6%;;Peak WL:Lp=448.1nm FWHM=20.2nm

Render Index:Ra=83.7 CRI=77.3 TM30:Rf=84 Rg=96

R1 =82	R2 =88	R3 =94	R4 =84	R5 =82	R6 =85	R7 =87	
R8 =67	R9 =11	R10=73	R11=84	R12=65	R13=83	R14=97	R15=75

Photo Parameters:

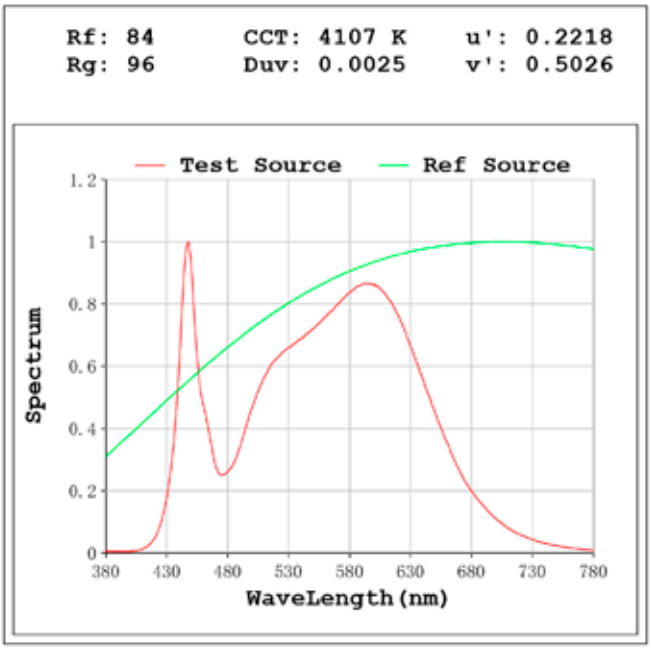
Flux = 719.5 lm Eff. : 90.86 lm/W Fe = 2.179 W Scotopic:1233.3 S/P:1.7141

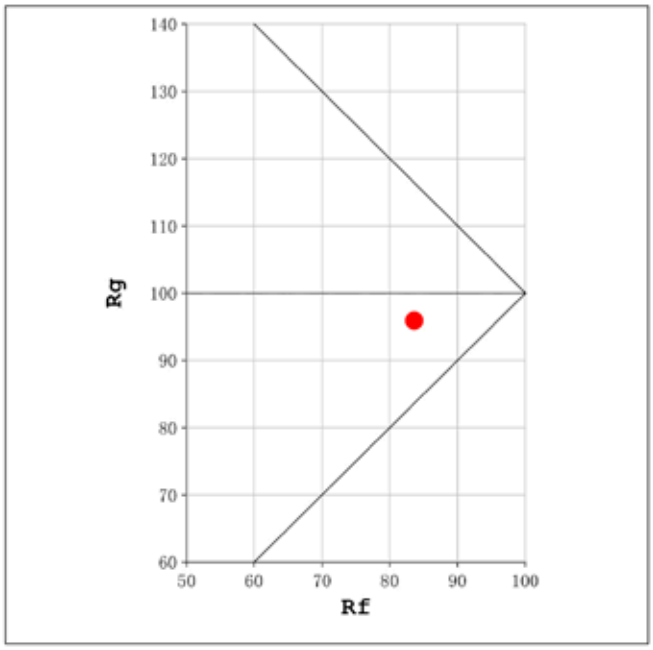
Electrical parameters:

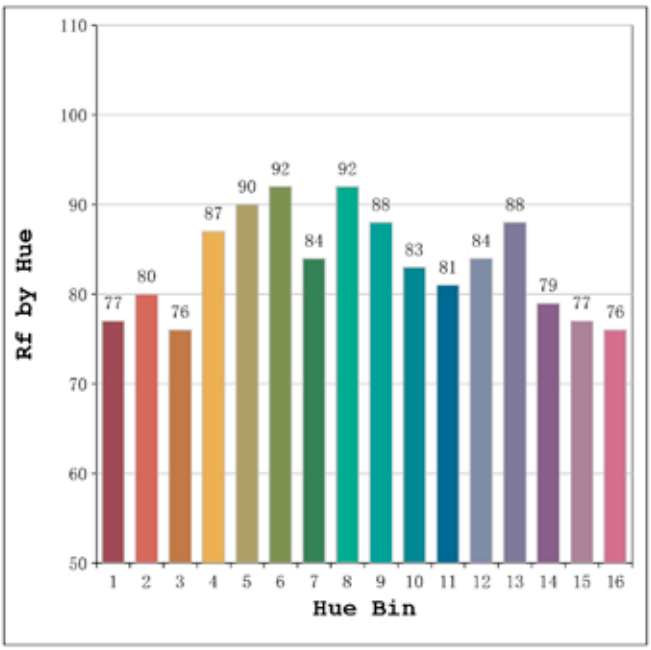
V = 11.998 V I = 0.6600 A P = 7.919 W PF = 1.000

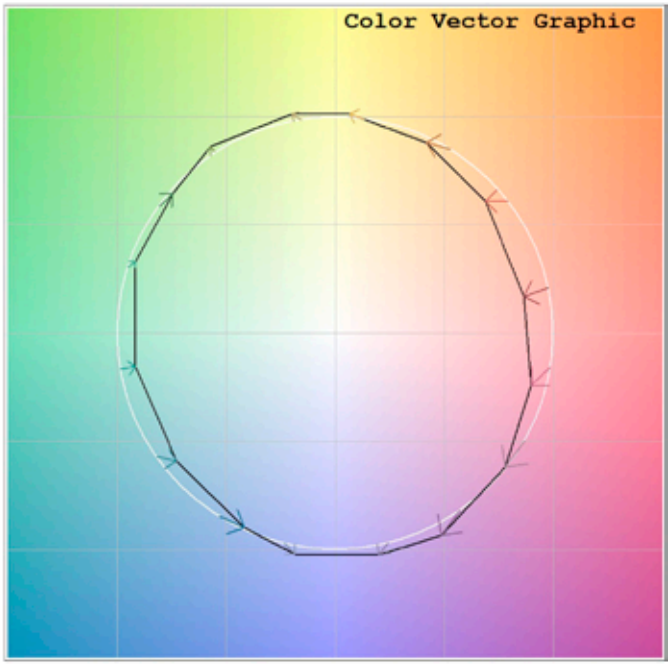
Status: Integral T = 2000 ms Ip = 51810 (79%)

Model:Ecoled Menorca 4000K	Number: 32.012
Tester:Sergio Carneros	Date:25-5-2021
Temperature:27Deg	Humidity:57%
Manufacturer:Luz Negra S.L.	Remarks:100cm de tria flexible









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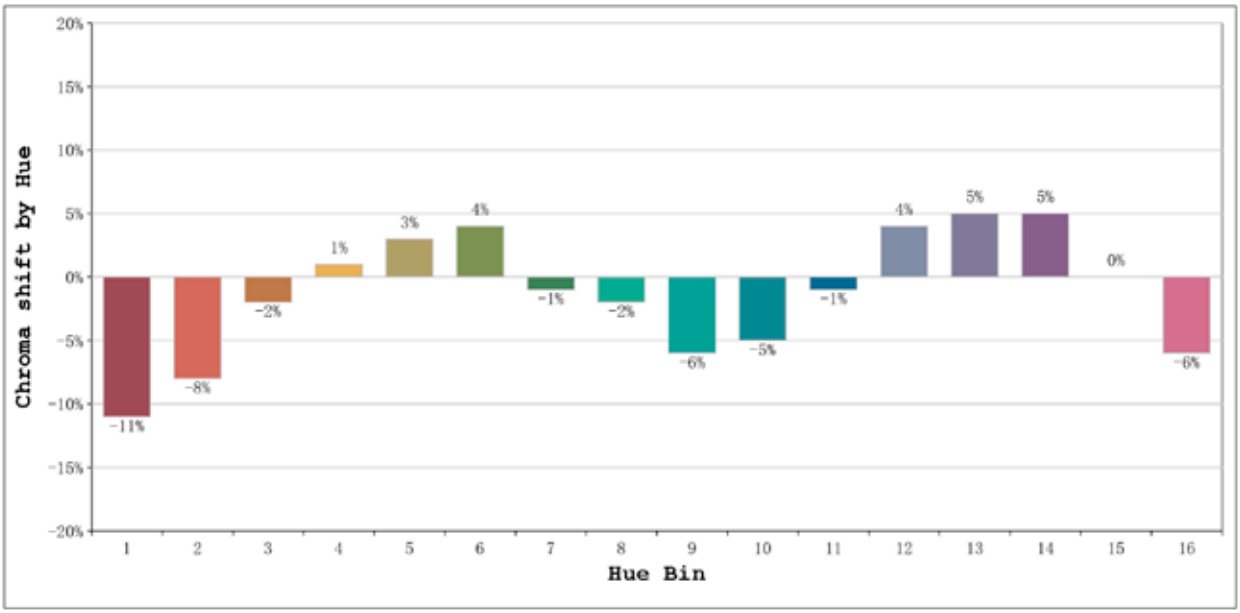

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