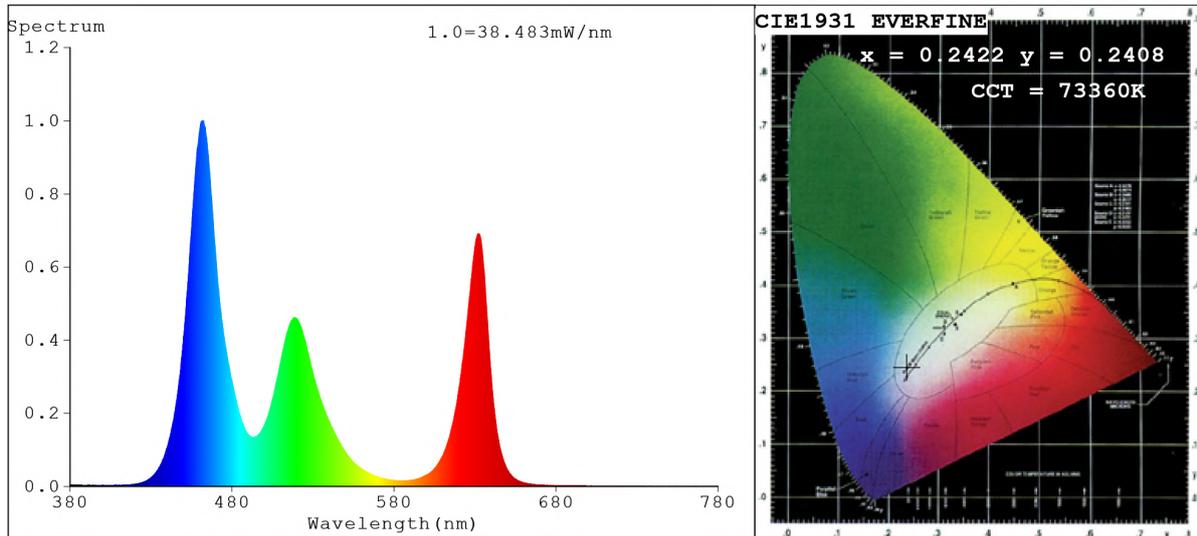


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.2422$ $y=0.2408$ / $u'=0.1792$ $v'=0.4009$
 CCT=73360K (Duv=0.0017) Dominant WL: $L_d = 476.7\text{nm}$ Purity=39.7%
 Ratio: R=21.7% G=65.7% B=12.5%; Peak WL: $L_p=462.1\text{nm}$ FWHM=20.7nm
 Render Index: Ra=46.6 CRI=41.5 TM30: Rf=43 Rg=116
 R1 =27 R2 =59 R3 =74 R4 =46 R5 =50 R6 =60 R7 =58
 R8 =0 R9 =0 R10=4 R11=32 R12=61 R13=31 R14=79 R15=4

Photo Parameters:

Flux = 465.7 lm Eff. : 43.09 lm/W $F_e = 2.165$ W Scotopic:1911.6 S/P:4.1046

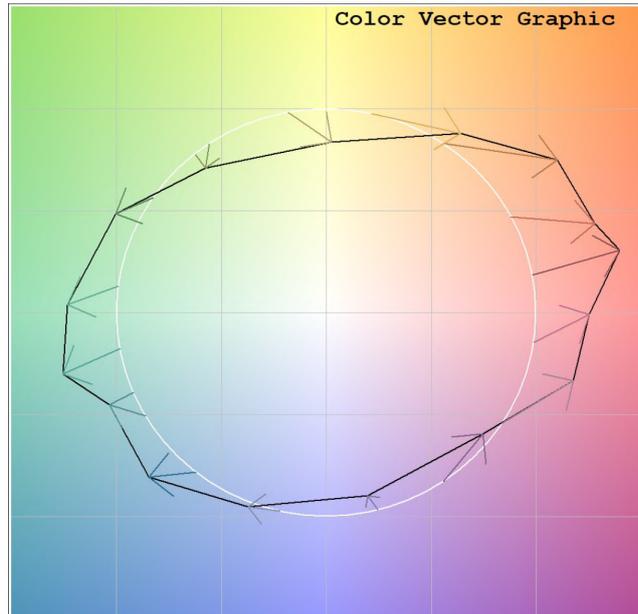
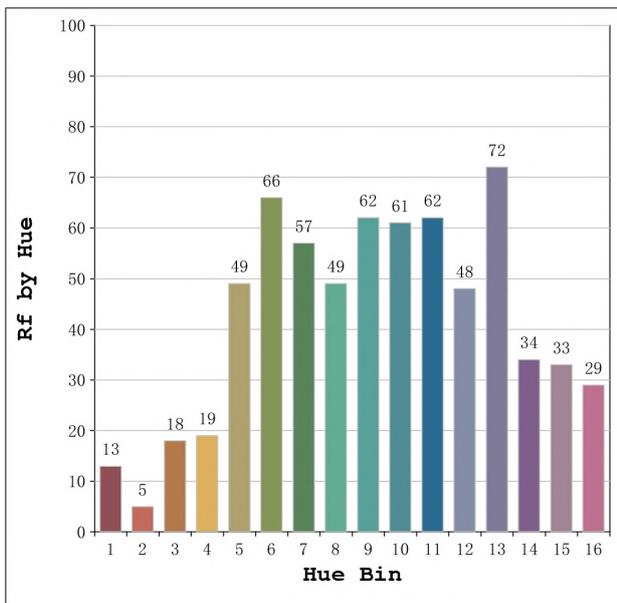
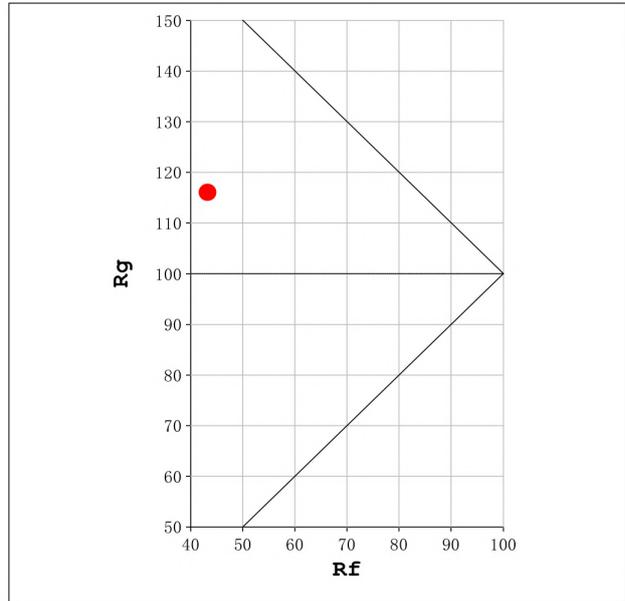
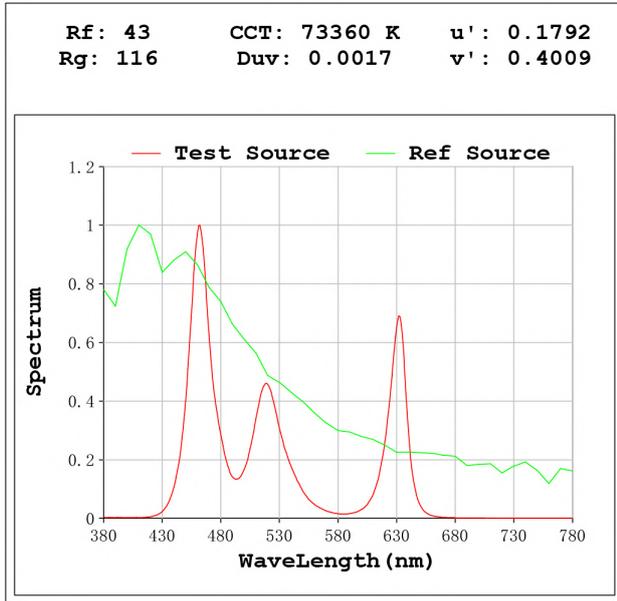
Electrical parameters:

V = 23.998 V I = 0.4504 A P = 10.81 W PF = 1.000

Status: Integral T = 843 ms $I_p = 52810$ (81%)

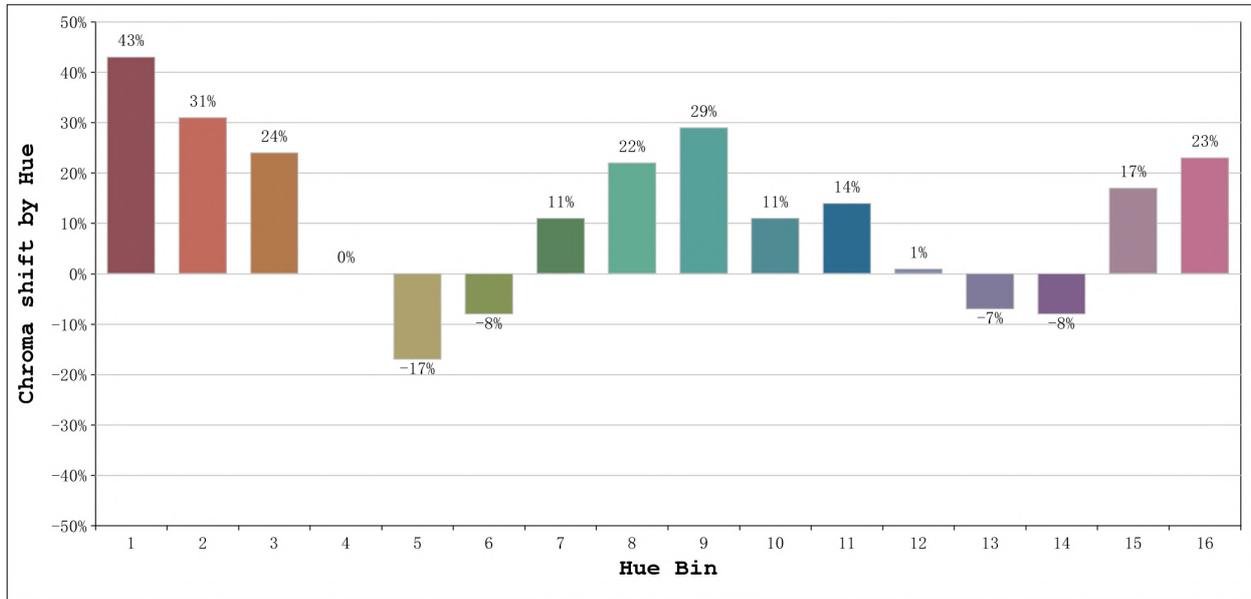
Model:Ecoled Gandia R+G+B
 Tester:Sergio Carneros
 Temperature:20Deg
 Manufacturer:Luz Negra

Number: 33.193
 Date:17-11-2023 11:22:24
 Humidity:57%
 Remarks:100cm de tira flexible



Model:Ecoled Gandia R+G+B
 Tester:Sergio Carneros
 Temperature:20Deg
 Manufacturer:Luz Negra

Number: 33.193
 Date:17-11-2023 11:22:24
 Humidity:57%
 Remarks:100cm de tira flexible

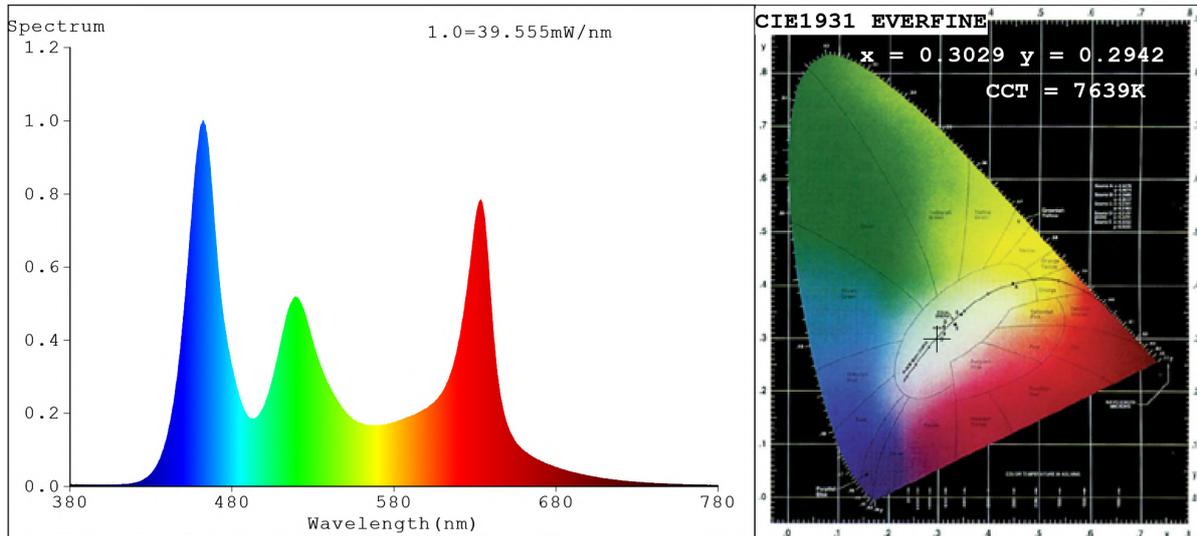


Hue Bin	Hue Angle	Rf	Graphic shift (%)	
			Chroma	Hue
1	0.0° - 22.5°	13	43	4
2	22.5° - 45.0°	5	31	-24
3	45.0° - 67.5°	18	24	-49
4	67.5° - 90.0°	19	0	-43
5	90.0° - 112.5°	49	-17	-17
6	112.5° - 135.0°	66	-8	8
7	135.0° - 157.5°	57	11	16
8	157.5° - 180.0°	49	22	14
9	180.0° - 202.5°	62	29	7
10	202.5° - 225.0°	61	11	-13
11	225.0° - 247.5°	62	14	-16
12	247.5° - 270.0°	48	1	-15
13	270.0° - 292.5°	72	-7	-2
14	292.5° - 315.0°	34	-8	28
15	315.0° - 337.5°	33	17	36
16	337.5° - 360.0°	29	23	19

Model:Ecoled Gandia R+G+B
 Tester:Sergio Carneros
 Temperature:20Deg
 Manufacturer:Luz Negra

Number: 33.193
 Date:17-11-2023 11:22:24
 Humidity:57%
 Remarks:100cm de tira flexible

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3029$ $y=0.2942$ / $u'=0.2045$ $v'=0.4469$
 CCT=7639K (Duv=-0.0103) Dominant WL:Ld =470.8nm Purity=14.4%
 Ratio:R=21.9% G=69.7% B=8.4%; Peak WL:Lp=462.2nm FWHM=22.7nm
 Render Index:Ra=61.8 CRI=55.4 TM30:Rf=69 Rg=113
 R1 =47 R2 =70 R3 =89 R4 =57 R5 =57 R6 =65 R7 =76
 R8 =33 R9 =0 R10=37 R11=44 R12=60 R13=50 R14=90 R15=38

Photo Parameters:

Flux = 809.8 lm Eff. : 54.86 lm/W Fe = 3.198 W Scotopic:2358.8 S/P:2.9129

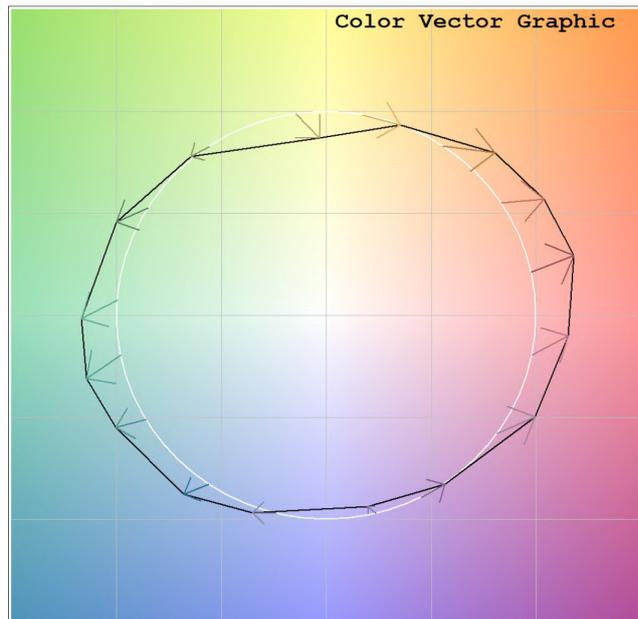
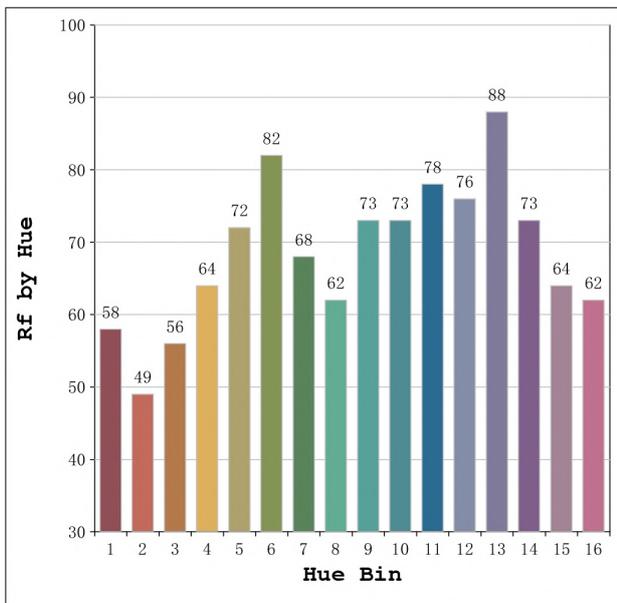
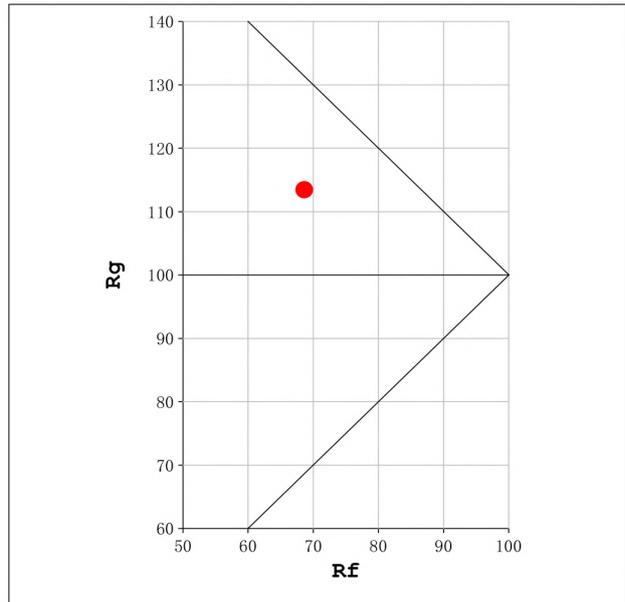
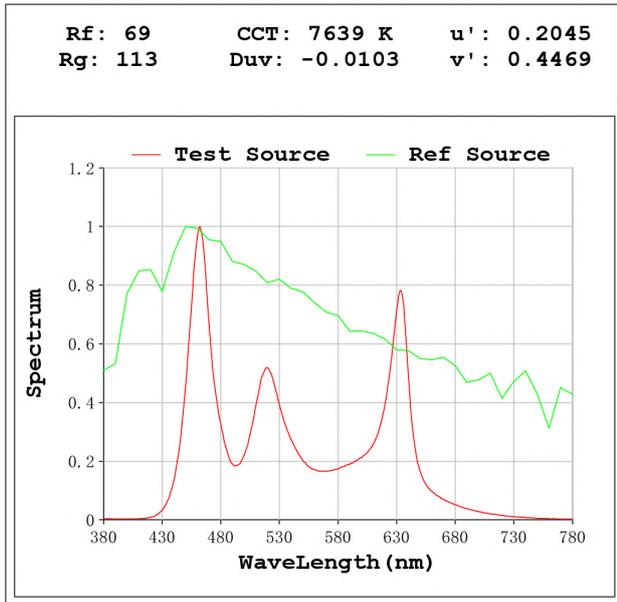
Electrical parameters:

V = 23.998 V I = 0.6151 A P = 14.76 W PF = 1.000

Status: Integral T = 843 ms Ip = 54008 (82%)

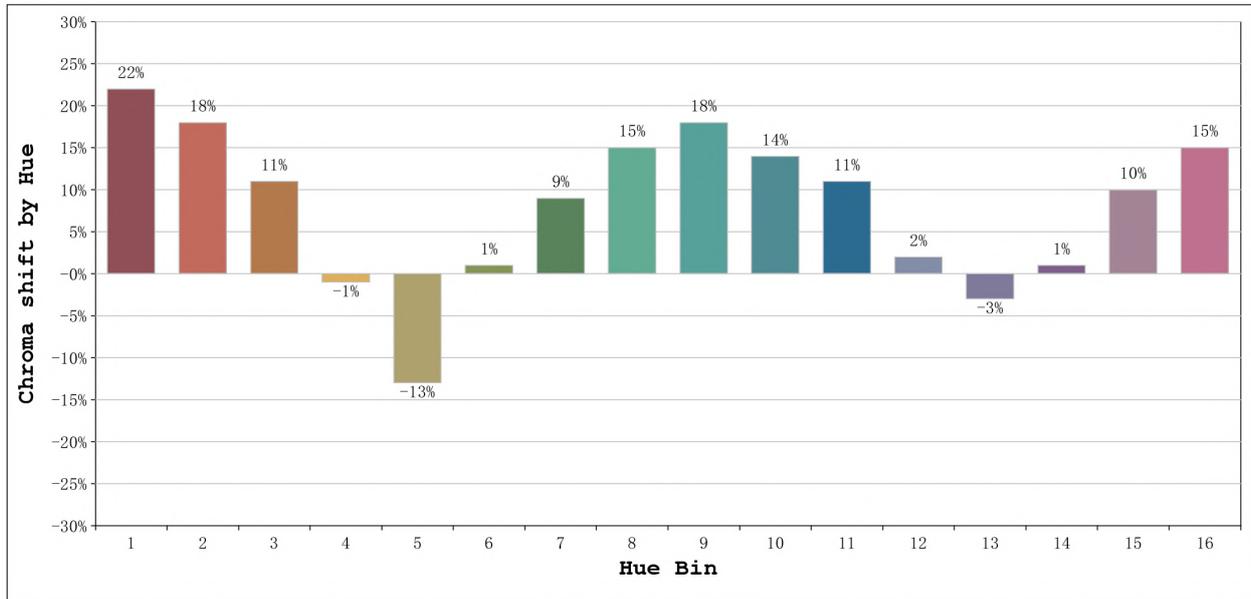
Model:Ecoled Gandia R+G+B+W
 Tester:Sergio Carneros
 Temperature:20Deg
 Manufacturer:Luz Negra

Number: 33.193
 Date:17-11-2023 11:41:24
 Humidity:57%
 Remarks:100cm de tira flexible



Model: Ecoledd Gandia R+G+B+W
 Tester: Sergio Carneros
 Temperature: 20Deg
 Manufacturer: Luz Negra

Number: 33.193
 Date: 17-11-2023 11:41:24
 Humidity: 57%
 Remarks: 100cm de tira flexible

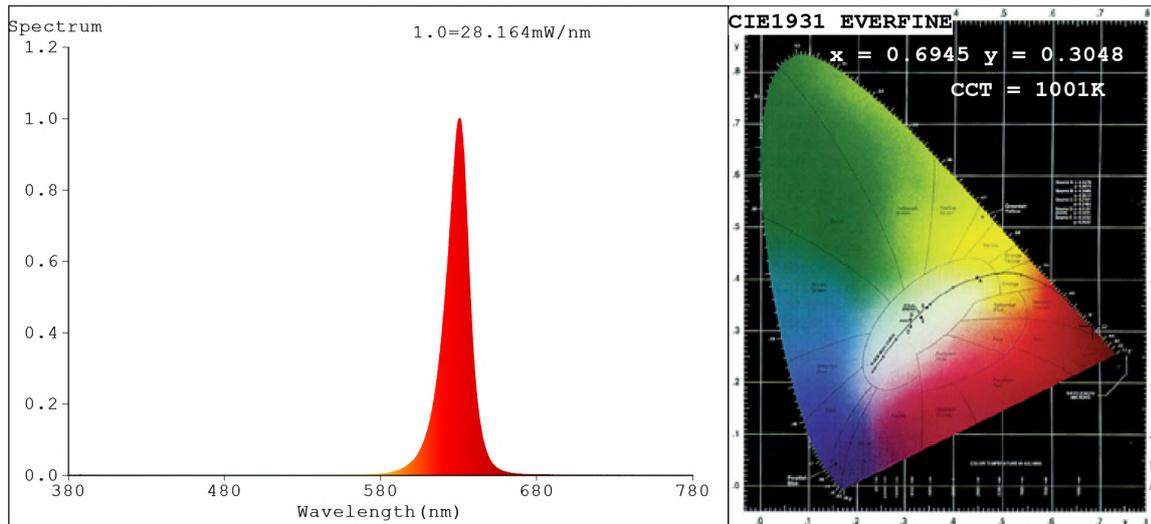


Hue Bin	Hue Angle	Rf	Graphic shift (%)	
			Chroma	Hue
1	0.0° - 22.5°	58	22	4
2	22.5° - 45.0°	49	18	-9
3	45.0° - 67.5°	56	11	-21
4	67.5° - 90.0°	64	-1	-17
5	90.0° - 112.5°	72	-13	-8
6	112.5° - 135.0°	82	1	10
7	135.0° - 157.5°	68	9	14
8	157.5° - 180.0°	62	15	13
9	180.0° - 202.5°	73	18	8
10	202.5° - 225.0°	73	14	-4
11	225.0° - 247.5°	78	11	-6
12	247.5° - 270.0°	76	2	-10
13	270.0° - 292.5°	88	-3	-2
14	292.5° - 315.0°	73	1	13
15	315.0° - 337.5°	64	10	17
16	337.5° - 360.0°	62	15	12

Model: Ecoledd Gandia R+G+B+W
 Tester: Sergio Carneros
 Temperature: 20Deg
 Manufacturer: Luz Negra

Number: 33.193
 Date: 17-11-2023 11:41:24
 Humidity: 57%
 Remarks: 100cm de tira flexible

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.6945$ $y=0.3048$ / $u'=0.5274$ $v'=0.5207$
 CCT=1001K (Duv=-0.0798) Dominant WL: $\lambda_d = 621.9$ nm Purity=99.8%
 Ratio: R=96.1% G=3.9% B=0.0%; Peak WL: $\lambda_p = 630.6$ nm FWHM=16.1nm
 Render Index: Ra=26.9 CRI=32.6 TM30: Rf=11 Rg=-1
 R1 =8 R2 =79 R3 =31 R4 =0 R5 =2 R6 =91 R7 =5
 R8 =0 R9 =0 R10=72 R11=0 R12=79 R13=31 R14=60 R15=0

Photo Parameters:

Flux = 111.3 lm Eff. : 33.69 lm/W Fe = 550.2 mW Scotopic: 6.0895 S/P: 0.05469

Electrical parameters:

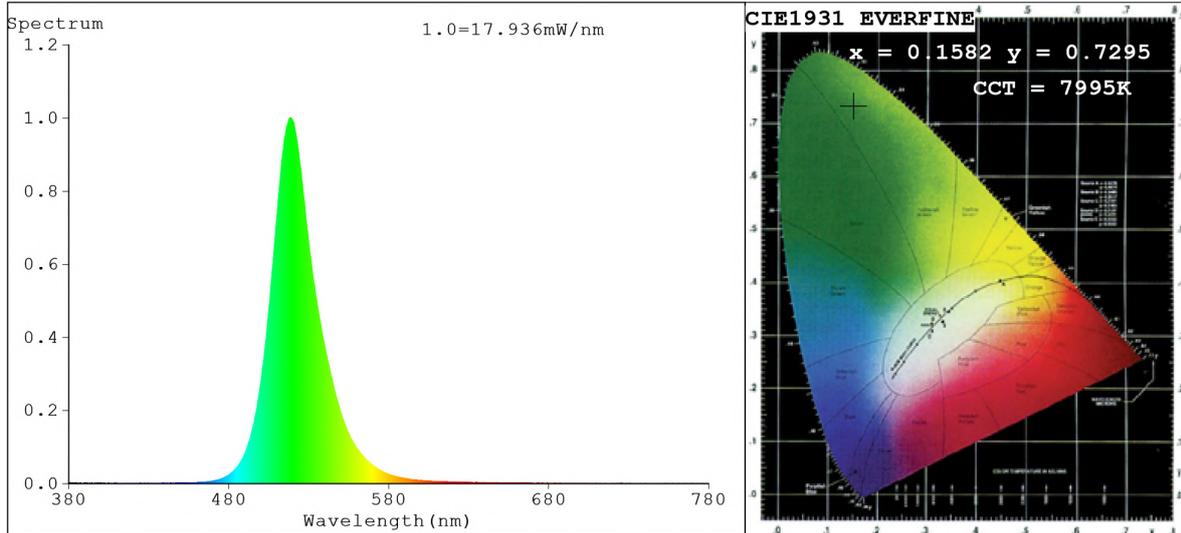
V = 23.998 V I = 0.1377 A P = 3.305 W PF = 1.000

Status: Integral T = 1000 ms Ip = 45039 (69%)

Model: Ecoled Gandia rojo
 Tester: Sergio Carneros
 Temperature: 20Deg
 Manufacturer: Luz Negra

Number: 33.193
 Date: 17-11-2023 11:48:14
 Humidity: 57%
 Remarks: 100cm de tira flexible

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.1582$ $y=0.7295$ / $u'=0.0553$ $v'=0.5740$
 CCT=7995K (Duv=0.1613) Dominant WL:Ld =525.2nm Purity=80.5%
 Ratio:R=0.3% G=97.7% B=2.0%; Peak WL:Lp=518.4nm FWHM=29.3nm
 Render Index:Ra=0.0 CRI=2.6 TM30:Rf=0 Rg=7
 R1 =0 R2 =0 R3 =0 R4 =0 R5 =0 R6 =0 R7 =0
 R8 =0 R9 =0 R10=0 R11=0 R12=0 R13=0 R14=37 R15=0

Photo Parameters:

Flux = 304.3 lm Eff. : 80.05 lm/W Fe = 637.9 mW Scotopic:895.31 S/P:2.9421

Electrical parameters:

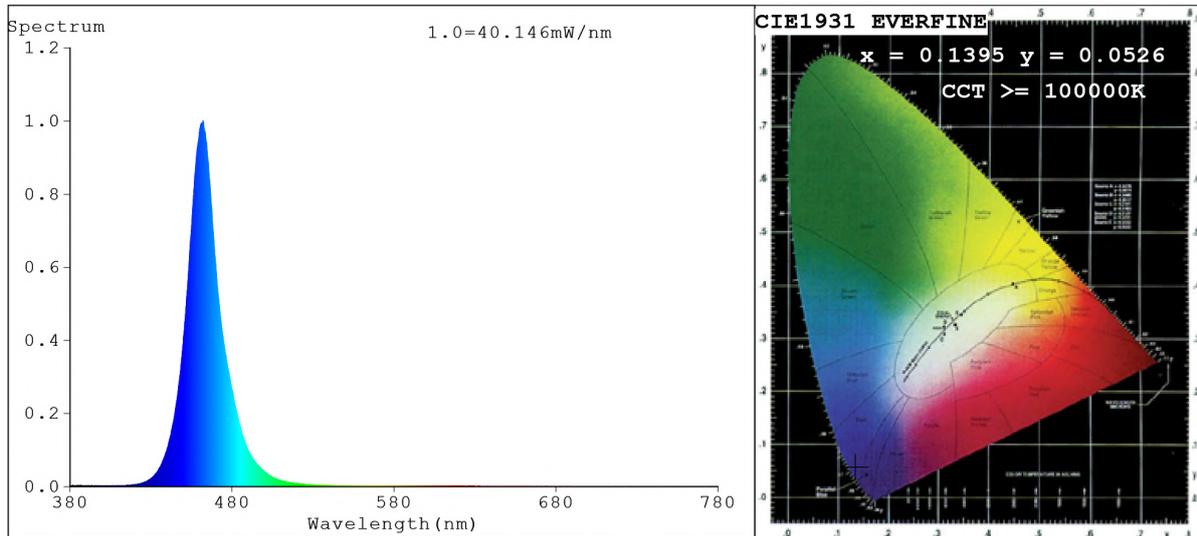
V = 23.998 V I = 0.1584 A P = 3.801 W PF = 1.000

Status: Integral T = 1000 ms Ip = 36545 (56%)

Model:Ecoled Gandia verde
 Tester:Sergio Carneros
 Temperature:20Deg
 Manufacturer:Luz Negra

Number: 33.193
 Date:17-11-2023 11:05:24
 Humidity:57%
 Remarks:100cm de tira flexible

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.1395$ $y=0.0526$ $u'=0.1664$ $v'=0.1413$
 CCT=100000K (Duv=0.1724) Dominant WL:Ld =466.2nm Purity=96.8%
 Ratio:R=1.0% G=15.6% B=83.4%; Peak WL:Lp=462.1nm FWHM=20.3nm
 Render Index:Ra=1.1 CRI=0.6 TM30:Rf=0 Rg=118
 R1 =0 R2 =0 R3 =0 R4 =0 R5 =9 R6 =0 R7 =0
 R8 =0 R9 =0 R10=0 R11=0 R12=0 R13=0 R14=0 R15=7

Photo Parameters:

Flux = 64.01 lm Eff. : 16.82 lm/W Fe = 1.031 W Scotopic:1055.3 S/P:16.48'

Electrical parameters:

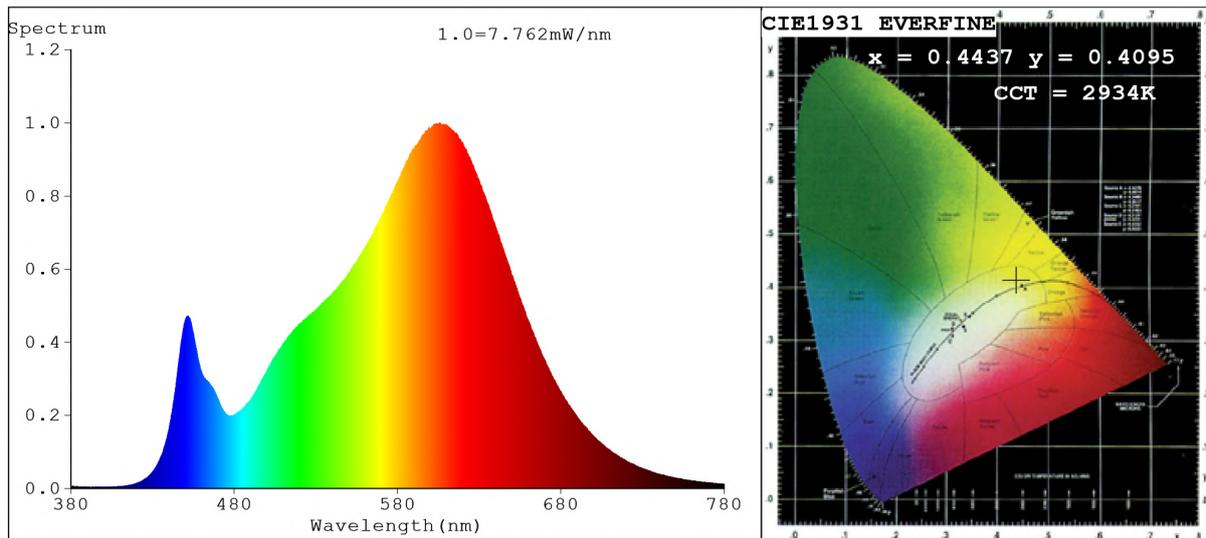
V = 23.998 V I = 0.1586 A P = 3.806 W PF = 1.000

Status: Integral T = 500 ms Ip = 32536 (50%)

Model:Ecoled Gandia azul
 Tester:Sergio Carneros
 Temperature:20Deg
 Manufacturer:Luz Negra

Number: 33.193
 Date:17-11-2023 11:10:24
 Humidity:57%
 Remarks:100cm de tira flexible

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4437$ $y=0.4095$ $u'=0.2526$ $v'=0.5245$
 CCT=2934K (Duv=0.0013) Dominant WL:Ld =582.7nm Purity=56.1%
 Ratio:R=23.5% G=73.9% B=2.6%; Peak WL:Lp=605.9nm FWHM=124.0nm
 Render Index:Ra=83.6 CRI=78.5 TM30:Rf=84 Rg=95
 R1 =82 R2 =92 R3 =96 R4 =82 R5 =83 R6 =91 R7 =83
 R8 =60 R9 =10 R10=82 R11=82 R12=73 R13=85 R14=99 R15=74

Photo Parameters:

Flux = 371.2 lm Eff. : 93.97 lm/W Fe = 1.121 W Scotopic:493.4 S/P:1.3292

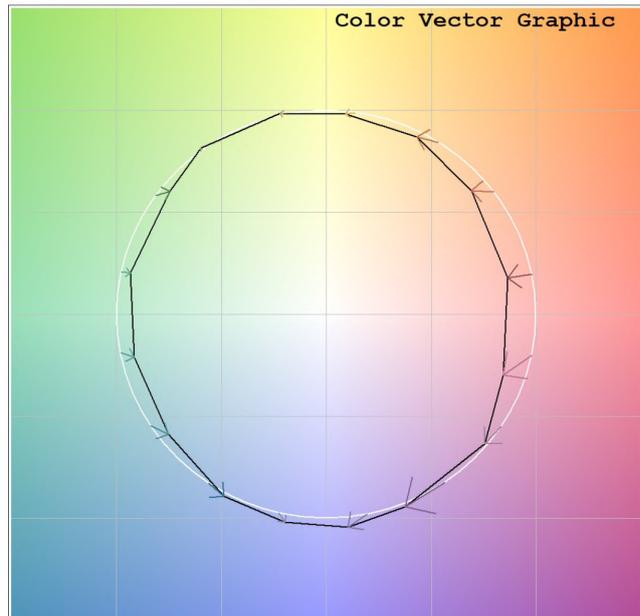
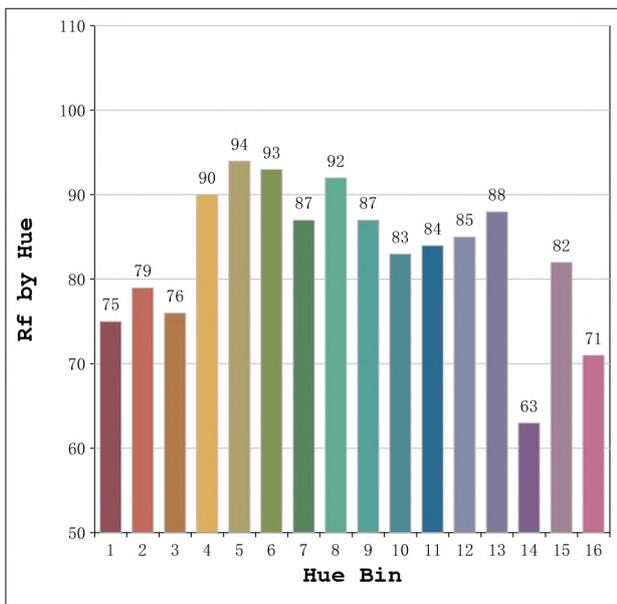
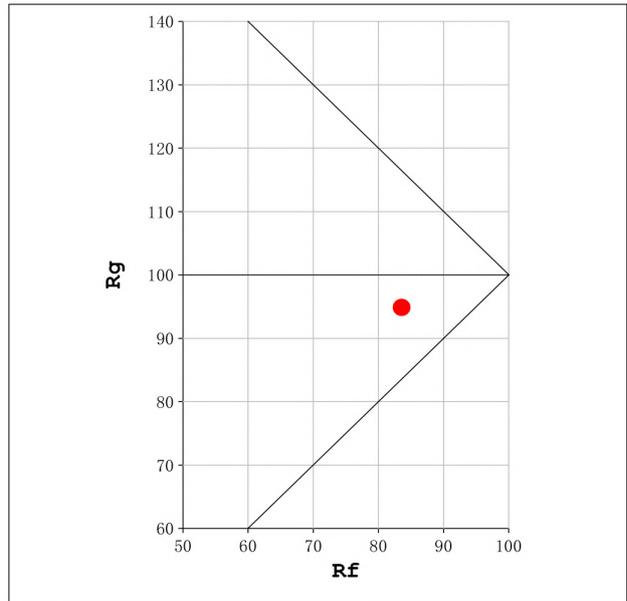
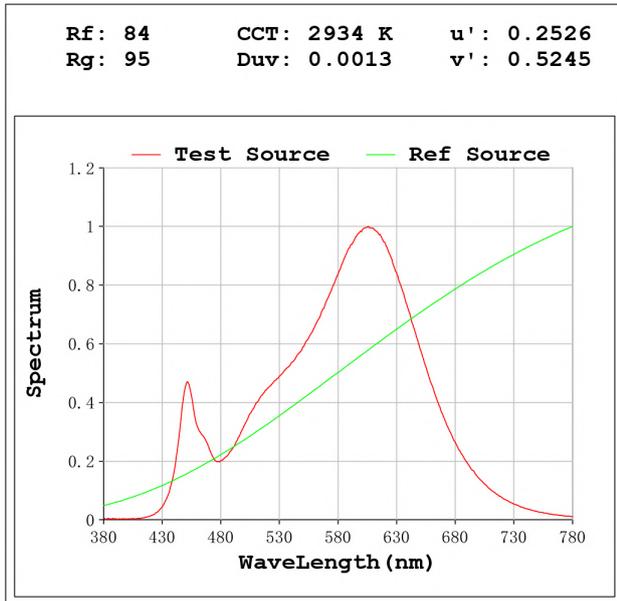
Electrical parameters:

V = 23.998 V I = 0.1646 A P = 3.950 W PF = 1.000

Status: Integral T = 3675 ms Ip = 52433 (80%)

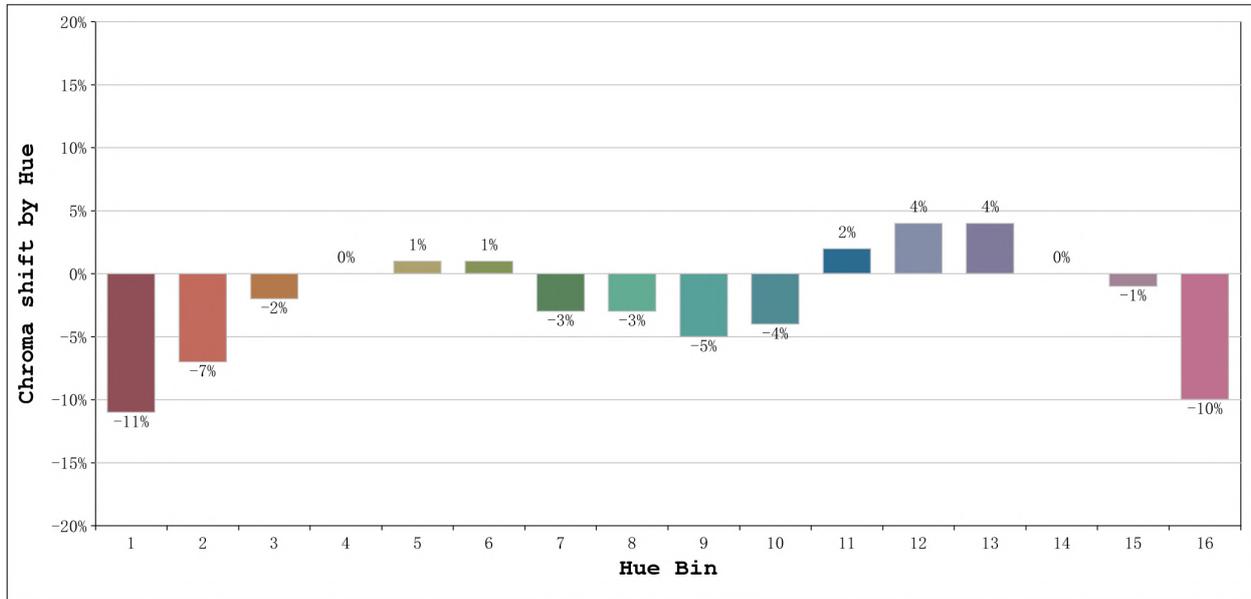
Model:Ecoled Gandia blanco
 Tester:Sergio Carneros
 Temperature:20Deg
 Manufacturer:Luz Negra

Number: 33.193
 Date:17-11-2023 11:01:24
 Humidity:57%
 Remarks:100cm de tira flexible



Model:Ecoled Gandia blanco
 Tester:Sergio Carneros
 Temperature:20Deg
 Manufacturer:Luz Negra

Number: 33.193
 Date:17-11-2023 11:01:24
 Humidity:57%
 Remarks:100cm de tira flexible



Hue Bin	Hue Angle	Rf	Graphic shift (%)	
			Chroma	Hue
1	0.0° - 22.5°	75	-11	1
2	22.5° - 45.0°	79	-7	6
3	45.0° - 67.5°	76	-2	10
4	67.5° - 90.0°	90	0	4
5	90.0° - 112.5°	94	1	3
6	112.5° - 135.0°	93	1	0
7	135.0° - 157.5°	87	-3	-5
8	157.5° - 180.0°	92	-3	0
9	180.0° - 202.5°	87	-5	3
10	202.5° - 225.0°	83	-4	8
11	225.0° - 247.5°	84	2	10
12	247.5° - 270.0°	85	4	4
13	270.0° - 292.5°	88	4	-9
14	292.5° - 315.0°	63	0	-21
15	315.0° - 337.5°	82	-1	-10
16	337.5° - 360.0°	71	-10	-11

Model:Ecoled Gandia blanco
 Tester:Sergio Carneros
 Temperature:20Deg
 Manufacturer:Luz Negra

Number: 33.193
 Date:17-11-2023 11:01:24
 Humidity:57%
 Remarks:100cm de tira flexible