Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: METALUX

Report Number: P1590800

Luminaire Tested: 24CGTX-55-L92765-W2A2-2700K

Issue Date: 9/7/2026

Report Generated By 670265710 / DESKTOP-98SHLC4

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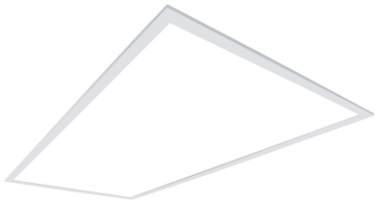
Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1590800
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	9/7/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	METALUX
Catalog Number:	24CGTX-55-L92765-W2A2-2700K
Description:	2X4 5500 LUMEN CGTX TROFFER WITH VividTune LEDS AT 2700K CCT WITH FROSTED SMOOTH LENS
Light Source:	2700K CCT, 90 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6197.5 lumens
Efficiency:	N/A
Efficacy:	107.0 lumens/watt
Spacing Criteria (0/90/45):	1.27 / 1.27 / 1.39
Luminous Opening:	Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type:	Direct
Input Watts (W):	57.9
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

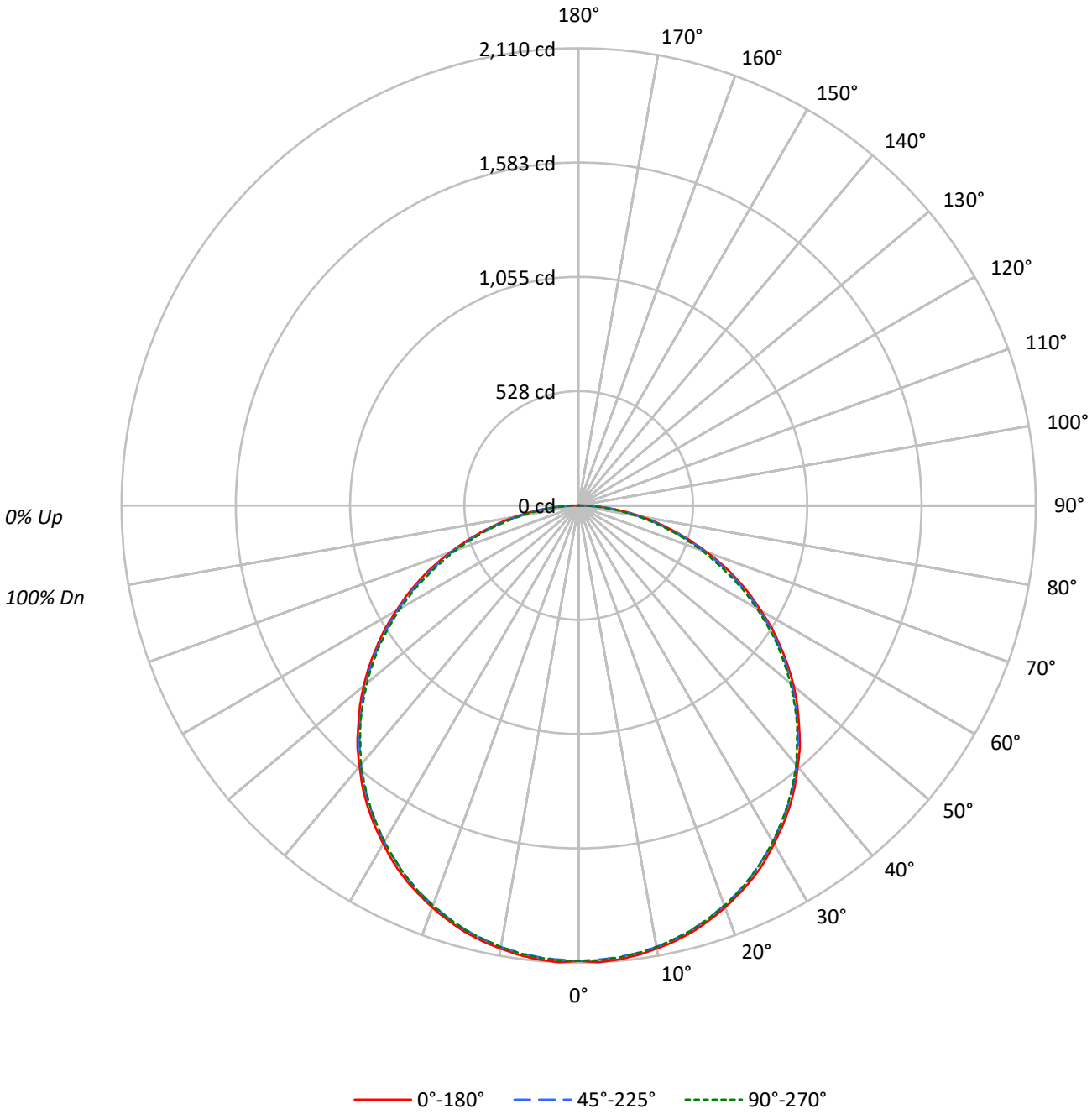


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Scaled Data Report

TEST NUMBER: P1590800
CATALOG NUMBER: 24CGTX-55-L92765-W2A2-2700K

Luminous Intensity Polar Plot



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TEST NUMBER: P1590800
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	99	95	106	101	97	93	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69
3	90	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	26	37	30	25	36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3219	3219	3219
5°	3235	3218	3221
10°	3230	3218	3218
15°	3228	3213	3214
20°	3219	3201	3204
25°	3211	3189	3191
30°	3189	3173	3169
35°	3175	3152	3147
40°	3145	3125	3125
45°	3117	3089	3087
50°	3086	3057	3040
55°	3039	3009	2988
60°	2974	2944	2910
65°	2925	2867	2809
70°	2812	2763	2700
75°	2687	2610	2533
80°	2558	2443	2337
85°	2285	2214	2109

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 3117 cd/sqm

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Scaled Data Report

TEST NUMBER: P1590800
CATALOG NUMBER: 24CGTX-55-L92765-W2A2-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.2	3.2
10°-20°	572.3	9.2
20°-30°	870.8	14.1
30°-40°	1055.2	17.0
40°-50°	1102.6	17.8
50°-60°	1006.8	16.2
60°-70°	780.9	12.6
70°-80°	467.9	7.6
80°-90°	141.8	2.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1642.3	26.5
0°-40°	2697.5	43.5
0°-60°	4807.0	77.6
0°-90°	6197.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6197.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2102	2102	2102	2102	2102	
5°	2104	2096	2093	2092	2095	200
15°	2036	2028	2026	2026	2027	575
25°	1900	1892	1887	1888	1888	875
35°	1698	1689	1686	1684	1683	1061
45°	1439	1433	1426	1426	1425	1111
55°	1138	1132	1127	1119	1119	1017
65°	807	798	791	779	775	796
75°	454	452	441	432	428	481
85°	130	131	126	120	120	148
90°	0	0	0	0	0	

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TEST NUMBER: P1590800
CATALOG NUMBER: 24CGTX-55-L92765-W2A2-2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	*2102*	2102	2102	2102	2102
2.5°	*2110*	*2102*	*2098*	*2097*	*2101*
5°	*2104*	2096	2093	2092	2095
7.5°	*2093*	2087	2083	2082	2084
10°	*2077*	2072	2069	2068	2069
12.5°	*2059*	2053	2049	2049	2049
15°	*2036*	2028	2026	2026	2027
17.5°	*2007*	1999	1997	1998	1997
20°	*1975*	1968	1964	1965	1966
22.5°	*1938*	1931	1928	1928	1930
25°	*1900*	1892	1887	1888	1888
27.5°	*1855*	1846	1840	1840	1841
30°	*1803*	1797	1794	1793	1792
32.5°	*1752*	1744	1738	1738	1739
35°	*1698*	1689	1686	1684	1683
37.5°	*1638*	1631	1626	1625	1623
40°	*1573*	1567	1563	1561	1563
42.5°	*1511*	1503	1498	1494	1491
45°	*1439*	1433	1426	1426	1425
47.5°	*1369*	1360	1356	1355	1350
50°	*1295*	1288	1283	1280	1276
52.5°	*1218*	1213	1205	1201	1197
55°	*1138*	1132	1127	1119	1119
57.5°	*1059*	1051	1045	1040	1034
60°	*971*	968	961	954	950
62.5°	*891*	884	878	865	864
65°	*807*	798	791	779	775
67.5°	*720*	711	702	692	685
70°	*628*	623	617	603	603
72.5°	*540*	539	529	518	514
75°	*454*	452	441	432	428
77.5°	*372*	370	357	350	342
80°	*290*	287	277	268	265
82.5°	*211*	208	200	193	190
85°	*130*	131	126	120	120
87.5°	*59*	58	55	56	55
90°	*0*	0	0	0	0

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TEST NUMBER: P1590800
CATALOG NUMBER: 24CGTX-55-L92765-W2A2-2700K

CIE UGR TABLE:

Reflectances:											
	Ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
	Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
	Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	16.06	17.72	16.42	18.03	18.34	15.97	17.62	16.33	17.94	18.25
	3H	17.98	19.48	18.36	19.81	20.17	17.81	19.32	18.19	19.64	20.00
	4H	18.73	20.15	19.13	20.49	20.87	18.52	19.94	18.92	20.29	20.66
	6H	19.32	20.64	19.73	21.00	21.39	19.06	20.38	19.47	20.74	21.13
	8H	19.53	20.79	19.95	21.18	21.58	19.24	20.50	19.67	20.89	21.29
	12H	19.68	20.88	20.11	21.26	21.69	19.37	20.58	19.80	20.96	21.39
4H	2H	16.71	18.13	17.11	18.48	18.85	16.64	18.06	17.04	18.40	18.78
	3H	18.86	20.05	19.27	20.45	20.85	18.71	19.90	19.12	20.30	20.70
	4H	19.74	20.83	20.17	21.24	21.67	19.55	20.63	19.98	21.05	21.48
	6H	20.48	21.43	20.93	21.87	22.32	20.22	21.17	20.68	21.61	22.07
	8H	20.74	21.63	21.20	22.07	22.54	20.46	21.35	20.92	21.79	22.25
	12H	20.94	21.74	21.42	22.22	22.69	20.64	21.44	21.12	21.91	22.38
8H	4H	20.08	20.97	20.54	21.41	21.87	19.91	20.80	20.37	21.24	21.70
	6H	20.95	21.69	21.44	22.18	22.65	20.72	21.46	21.21	21.94	22.42
	8H	21.30	21.97	21.81	22.47	22.96	21.03	21.70	21.54	22.20	22.69
	12H	21.59	22.18	22.10	22.67	23.23	21.29	21.88	21.80	22.37	22.93
12H	4H	20.12	20.92	20.60	21.39	21.86	19.96	20.76	20.44	21.23	21.70
	6H	21.02	21.68	21.52	22.19	22.67	20.79	21.46	21.30	21.97	22.45
	8H	21.43	22.02	21.94	22.51	23.07	21.18	21.76	21.68	22.25	22.81

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LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2510-566-2-R2

Test Date: 10/14/2025

Luminaire Tested: 22CGTX-50-L92765-W2A-2700K

Data in this report applies to families of products including 22CGTX

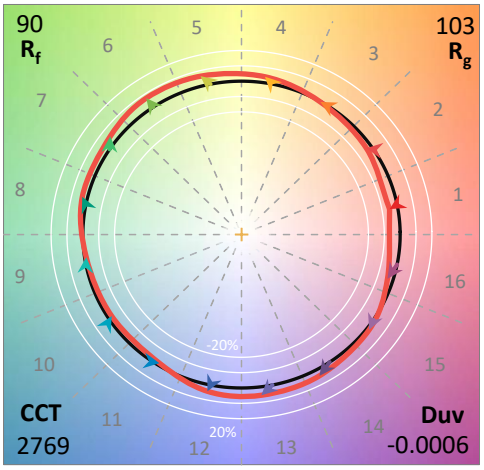
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Version: v7.05

Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2510-566-2-R2
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	07/28/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Metalux
Catalog Number:	**22CGTX-50-L92765-W2A-2700K**
Description:	*THIS IS A REVISION OF REPORT SP1-2512-566-2-R2 TO UPDATE THE CATALOG INFORMATION* 2X2 50000 Lumen CGTX TUNABLE WHITE FROM 2700K TO 6500K - 9.5V

Spectral Parameters

CCT (K):	2769	CRI (Ra):	93.3		
CIE u':	0.2597	R1:	95.3	R9:	56.5
CIE v':	0.5252	R2:	96.1	R10:	89.8
Duv:	-0.0006	R3:	96.0	R11:	95.2
CIE x:	0.4534	R4:	94.8	R12:	89.7
CIE y:	0.4074	R5:	94.9	R13:	95.3
CIE z:	0.1392	R6:	97.1	R14:	96.4
Peak Wavelength (nm):	630	R7:	91.2	R15:	89.6
Dominant Wavelength (nm):	584	R8:	81.4		
Purity:	58.37672				
Rf:	89.8				
Rg:	102.5				



Test Conditions

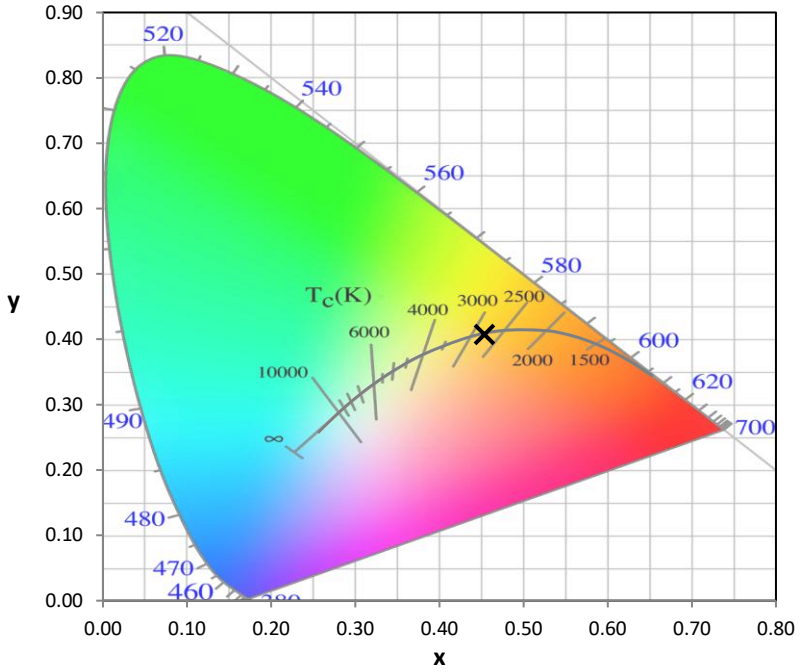
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2510-566-2-R2

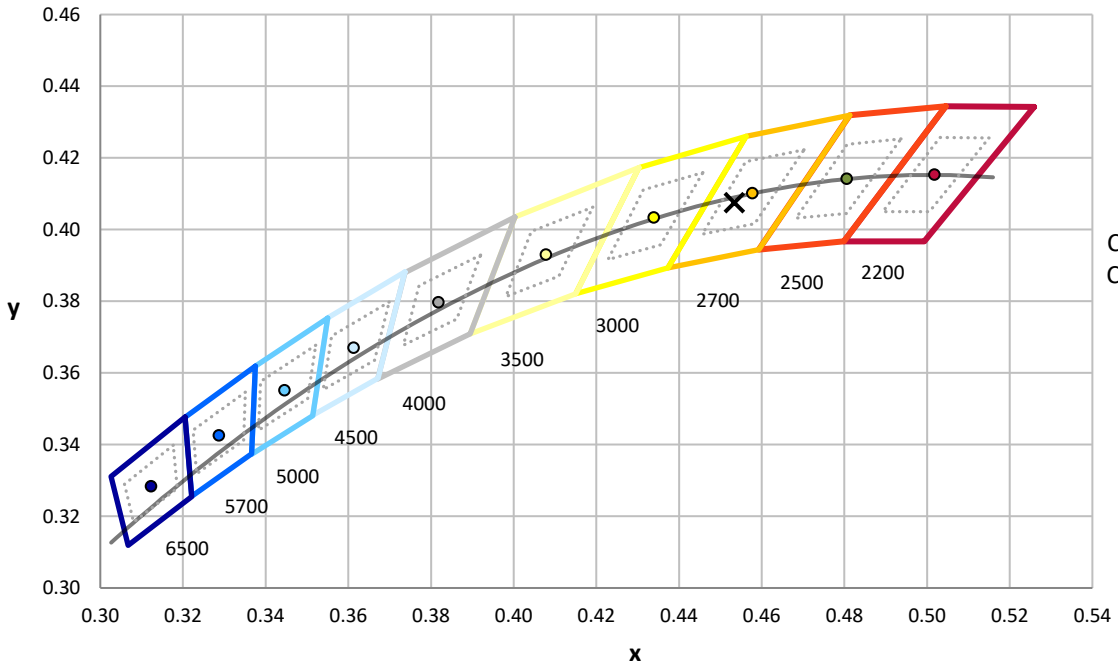
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208	10/22/2024	10/22/2025
Sphere Thermometer	ONSET IN0085	10/22/2024	10/22/2025
Room Thermometer	ONSET IN0046	10/22/2024	10/22/2025

REPORT NUMBER: SP1-2510-566-2-R2

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

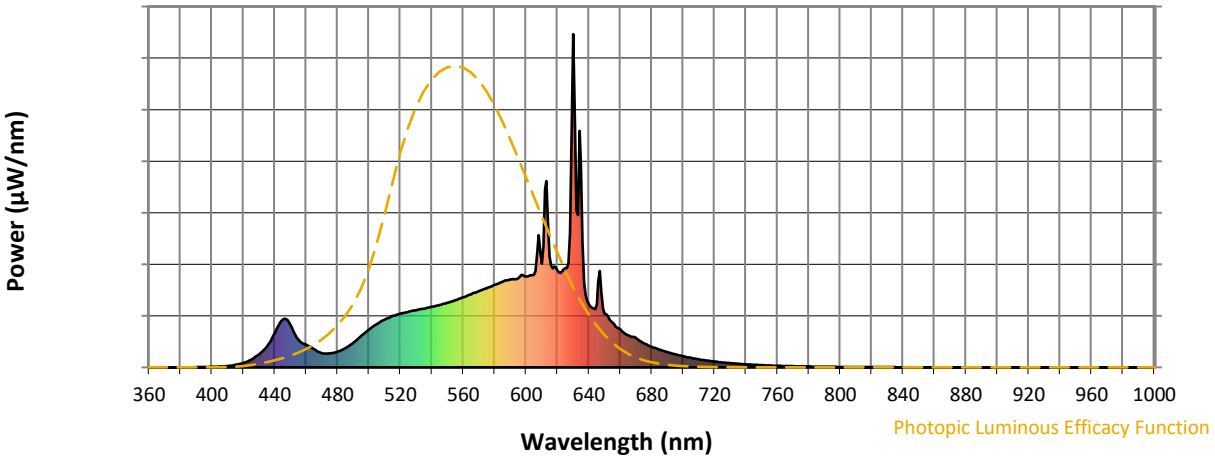


CCT = 2769K
CIE x = 0.4534
CIE y = 0.4074
Duv = -0.0006

Point lies inside the ANSI 2700K 4-step quadrangle

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Photopic Flux vs. Wavelength

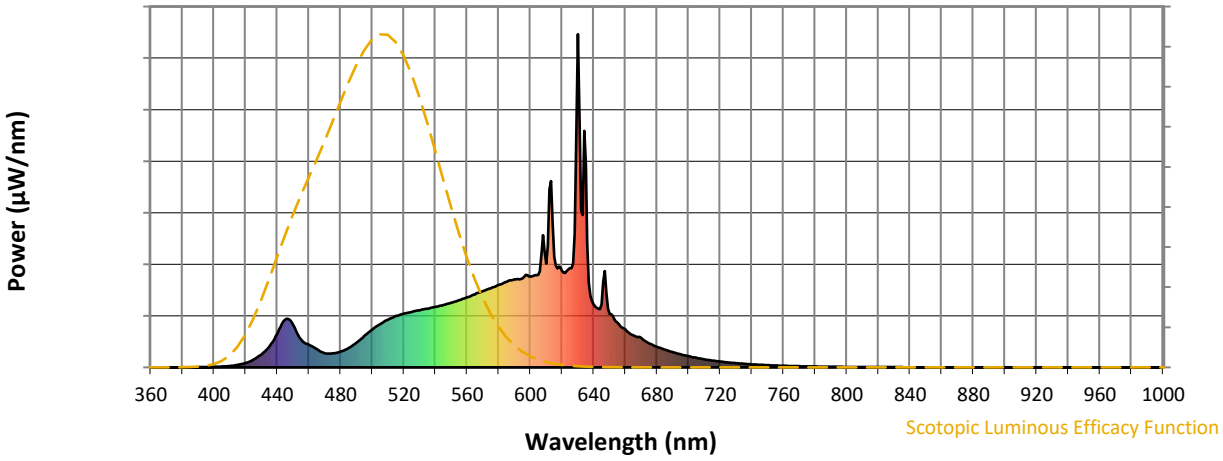


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	74	NR	620	290	NR	750	7	NR	880	0	NR
365	0	NR	495	94	NR	625	297	NR	755	6	NR	885	0	NR
370	0	NR	500	113	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	130	NR	635	606	NR	765	4	NR	895	0	NR
380	0	NR	510	143	NR	640	189	NR	770	3	NR	900	0	NR
385	0	NR	515	154	NR	645	190	NR	775	3	NR	905	0	NR
390	1	NR	520	162	NR	650	161	NR	780	3	NR	910	0	NR
395	1	NR	525	166	NR	655	134	NR	785	2	NR	915	0	NR
400	2	NR	530	171	NR	660	114	NR	790	2	NR	920	0	NR
405	3	NR	535	176	NR	665	96	NR	795	2	NR	925	0	NR
410	4	NR	540	182	NR	670	89	NR	800	1	NR	930	0	NR
415	7	NR	545	187	NR	675	72	NR	805	1	NR	935	0	NR
420	14	NR	550	194	NR	680	62	NR	810	1	NR	940	0	NR
425	23	NR	555	202	NR	685	53	NR	815	1	NR	945	0	NR
430	38	NR	560	210	NR	690	46	NR	820	1	NR	950	0	NR
435	63	NR	565	219	NR	695	39	NR	825	1	NR	955	0	NR
440	102	NR	570	228	NR	700	33	NR	830	1	NR	960	0	NR
445	144	NR	575	238	NR	705	28	NR	835	1	NR	965	0	NR
450	128	NR	580	247	NR	710	24	NR	840	0	NR	970	0	NR
455	83	NR	585	257	NR	715	20	NR	845	0	NR	975	0	NR
460	68	NR	590	264	NR	720	18	NR	850	0	NR	980	0	NR
465	55	NR	595	267	NR	725	15	NR	855	0	NR	985	0	NR
470	43	NR	600	273	NR	730	13	NR	860	0	NR	990	0	NR
475	42	NR	605	278	NR	735	11	NR	865	0	NR	995	0	NR
480	47	NR	610	311	NR	740	9	NR	870	0	NR	1000	0	NR
485	58	NR	615	333	NR	745	8	NR	875	0	NR			

REPORT NUMBER: SP1-2510-566-2-R2

Scotopic Flux vs. Wavelength

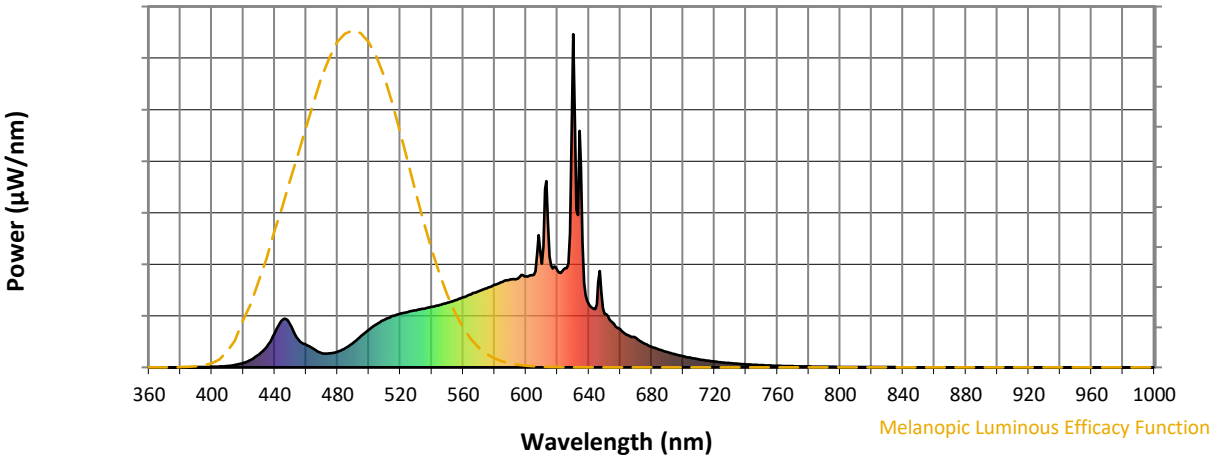


Scotopic Lumens: NR **S/P: 1.3**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	74	NR	620	290	NR	750	7	NR	880	0	NR
365	0	NR	495	94	NR	625	297	NR	755	6	NR	885	0	NR
370	0	NR	500	113	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	130	NR	635	606	NR	765	4	NR	895	0	NR
380	0	NR	510	143	NR	640	189	NR	770	3	NR	900	0	NR
385	0	NR	515	154	NR	645	190	NR	775	3	NR	905	0	NR
390	1	NR	520	162	NR	650	161	NR	780	3	NR	910	0	NR
395	1	NR	525	166	NR	655	134	NR	785	2	NR	915	0	NR
400	2	NR	530	171	NR	660	114	NR	790	2	NR	920	0	NR
405	3	NR	535	176	NR	665	96	NR	795	2	NR	925	0	NR
410	4	NR	540	182	NR	670	89	NR	800	1	NR	930	0	NR
415	7	NR	545	187	NR	675	72	NR	805	1	NR	935	0	NR
420	14	NR	550	194	NR	680	62	NR	810	1	NR	940	0	NR
425	23	NR	555	202	NR	685	53	NR	815	1	NR	945	0	NR
430	38	NR	560	210	NR	690	46	NR	820	1	NR	950	0	NR
435	63	NR	565	219	NR	695	39	NR	825	1	NR	955	0	NR
440	102	NR	570	228	NR	700	33	NR	830	1	NR	960	0	NR
445	144	NR	575	238	NR	705	28	NR	835	1	NR	965	0	NR
450	128	NR	580	247	NR	710	24	NR	840	0	NR	970	0	NR
455	83	NR	585	257	NR	715	20	NR	845	0	NR	975	0	NR
460	68	NR	590	264	NR	720	18	NR	850	0	NR	980	0	NR
465	55	NR	595	267	NR	725	15	NR	855	0	NR	985	0	NR
470	43	NR	600	273	NR	730	13	NR	860	0	NR	990	0	NR
475	42	NR	605	278	NR	735	11	NR	865	0	NR	995	0	NR
480	47	NR	610	311	NR	740	9	NR	870	0	NR	1000	0	NR
485	58	NR	615	333	NR	745	8	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.45**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	74	NR	620	290	NR	750	7	NR	880	0	NR
365	0	NR	495	94	NR	625	297	NR	755	6	NR	885	0	NR
370	0	NR	500	113	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	130	NR	635	606	NR	765	4	NR	895	0	NR
380	0	NR	510	143	NR	640	189	NR	770	3	NR	900	0	NR
385	0	NR	515	154	NR	645	190	NR	775	3	NR	905	0	NR
390	1	NR	520	162	NR	650	161	NR	780	3	NR	910	0	NR
395	1	NR	525	166	NR	655	134	NR	785	2	NR	915	0	NR
400	2	NR	530	171	NR	660	114	NR	790	2	NR	920	0	NR
405	3	NR	535	176	NR	665	96	NR	795	2	NR	925	0	NR
410	4	NR	540	182	NR	670	89	NR	800	1	NR	930	0	NR
415	7	NR	545	187	NR	675	72	NR	805	1	NR	935	0	NR
420	14	NR	550	194	NR	680	62	NR	810	1	NR	940	0	NR
425	23	NR	555	202	NR	685	53	NR	815	1	NR	945	0	NR
430	38	NR	560	210	NR	690	46	NR	820	1	NR	950	0	NR
435	63	NR	565	219	NR	695	39	NR	825	1	NR	955	0	NR
440	102	NR	570	228	NR	700	33	NR	830	1	NR	960	0	NR
445	144	NR	575	238	NR	705	28	NR	835	1	NR	965	0	NR
450	128	NR	580	247	NR	710	24	NR	840	0	NR	970	0	NR
455	83	NR	585	257	NR	715	20	NR	845	0	NR	975	0	NR
460	68	NR	590	264	NR	720	18	NR	850	0	NR	980	0	NR
465	55	NR	595	267	NR	725	15	NR	855	0	NR	985	0	NR
470	43	NR	600	273	NR	730	13	NR	860	0	NR	990	0	NR
475	42	NR	605	278	NR	735	11	NR	865	0	NR	995	0	NR
480	47	NR	610	311	NR	740	9	NR	870	0	NR	1000	0	NR
485	58	NR	615	333	NR	745	8	NR	875	0	NR			

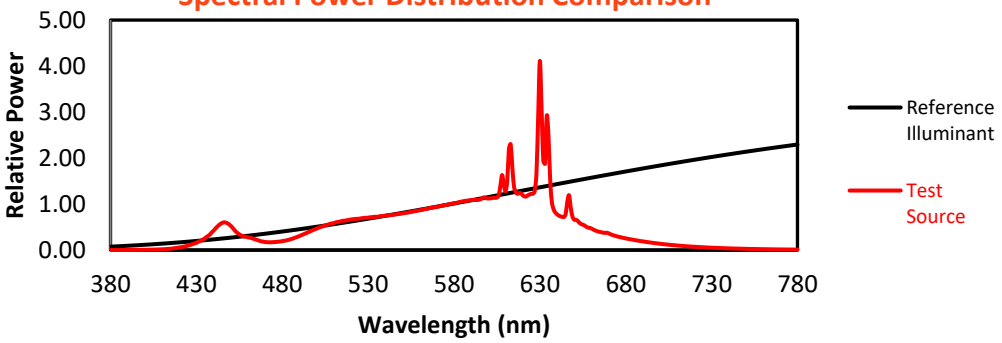
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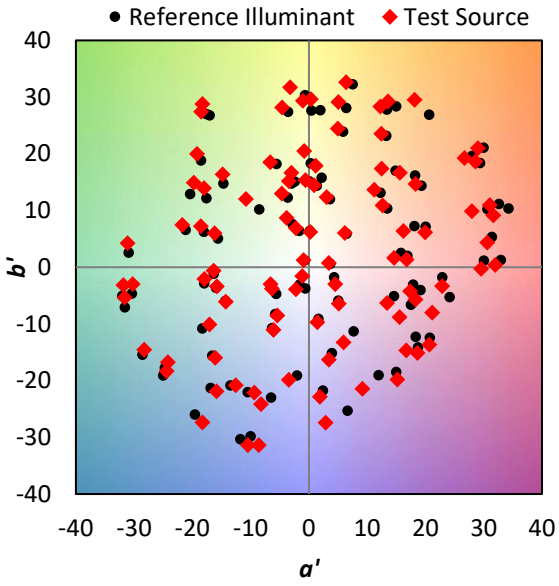
Summary

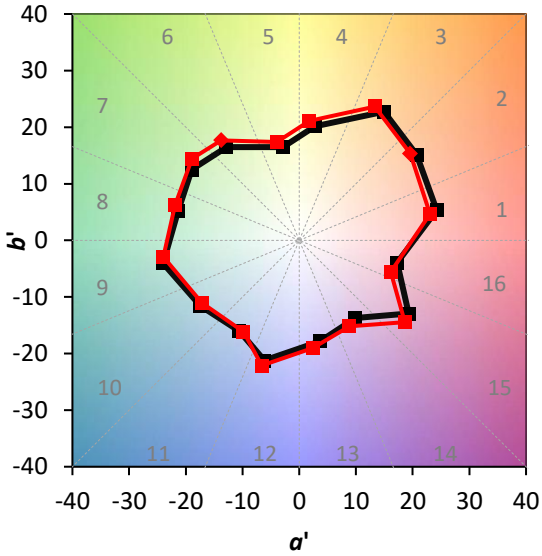
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R_g = 102.5
CIE R_a = 93.3
R_9 = 56.5

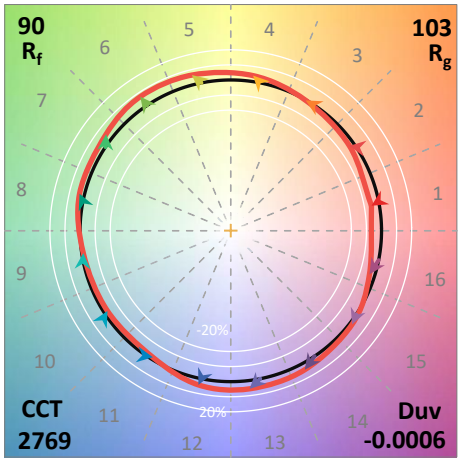
Spectral Power Distribution Comparison

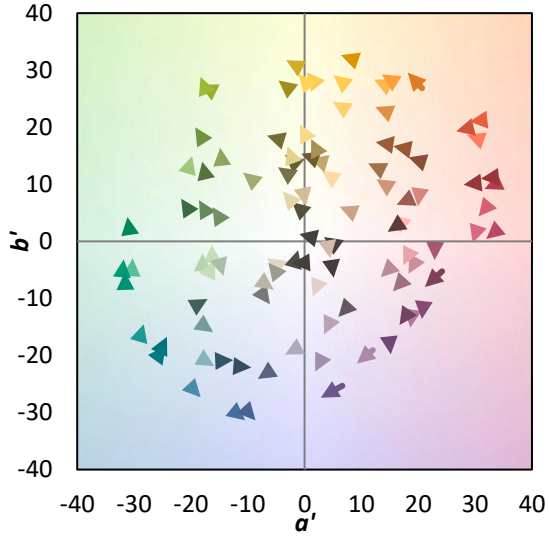


Color Vector Graphics







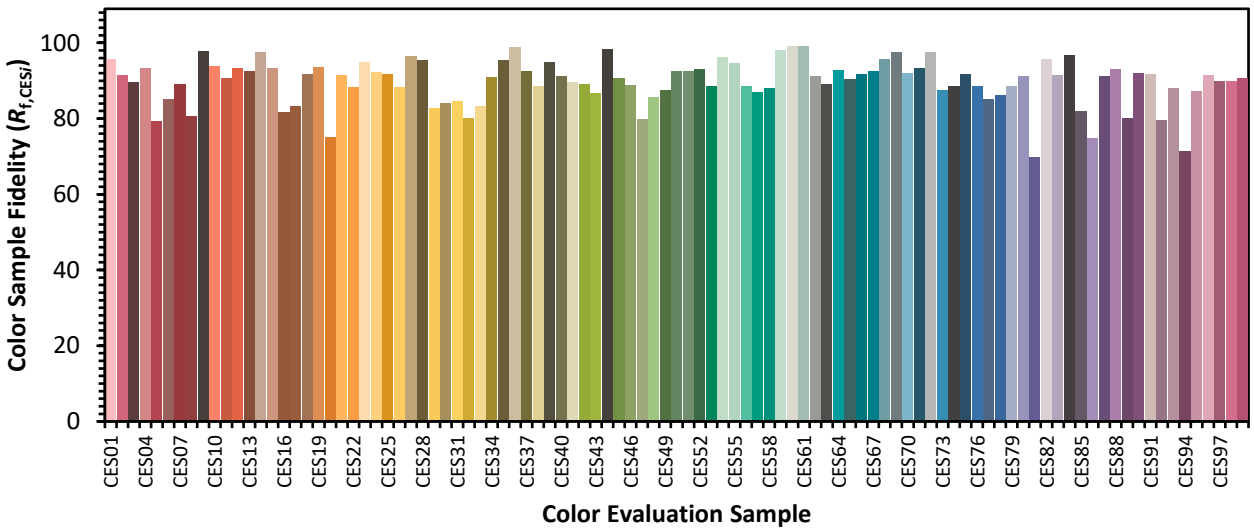


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Individual Sample Fidelity Index ($R_{f,i}$)

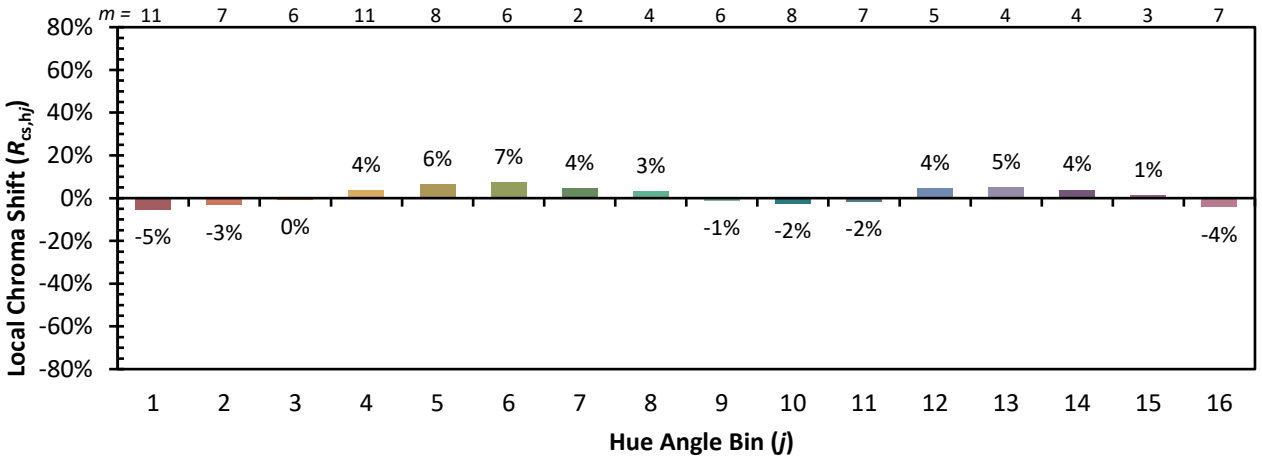
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CES02 = 64	CES27 = 97	CES52 = 93	CES77 = 85
CES03 = 32	CES28 = 95	CES53 = 88	CES78 = 86
CES04 = 70	CES29 = 83	CES54 = 96	CES79 = 89
CES05 = 51	CES30 = 84	CES55 = 95	CES80 = 91
CES06 = 51	CES31 = 85	CES56 = 89	CES81 = 70
CES07 = 44	CES32 = 80	CES57 = 87	CES82 = 96
CES08 = 43	CES33 = 83	CES58 = 88	CES83 = 92
CES09 = 29	CES34 = 91	CES59 = 98	CES84 = 97
CES10 = 77	CES35 = 95	CES60 = 99	CES85 = 82
CES11 = 59	CES36 = 99	CES61 = 99	CES86 = 75
CES12 = 66	CES37 = 93	CES62 = 91	CES87 = 91
CES13 = 44	CES38 = 88	CES63 = 89	CES88 = 93
CES14 = 74	CES39 = 95	CES64 = 93	CES89 = 80
CES15 = 72	CES40 = 91	CES65 = 90	CES90 = 92
CES16 = 48	CES41 = 90	CES66 = 92	CES91 = 92
CES17 = 50	CES42 = 89	CES67 = 93	CES92 = 80
CES18 = 57	CES43 = 87	CES68 = 96	CES93 = 88
CES19 = 72	CES44 = 98	CES69 = 98	CES94 = 71
CES20 = 68	CES45 = 91	CES70 = 92	CES95 = 87
CES21 = 87	CES46 = 89	CES71 = 93	CES96 = 92
CES22 = 79	CES47 = 80	CES72 = 97	CES97 = 90
CES23 = 92	CES48 = 86	CES73 = 87	CES98 = 90
CES24 = 91	CES49 = 87	CES74 = 89	CES99 = 91
CES25 = 72	CES50 = 92	CES75 = 92	

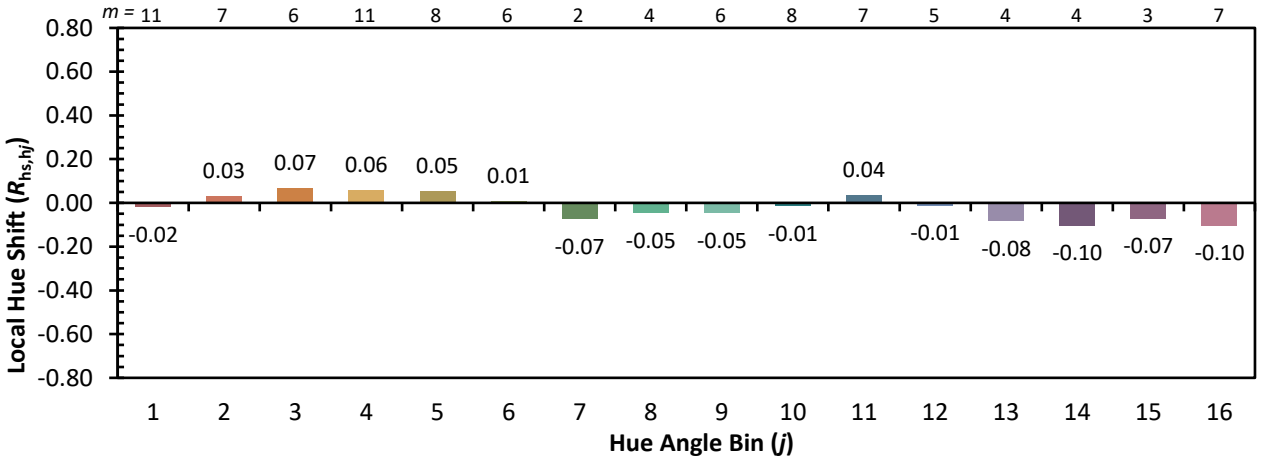


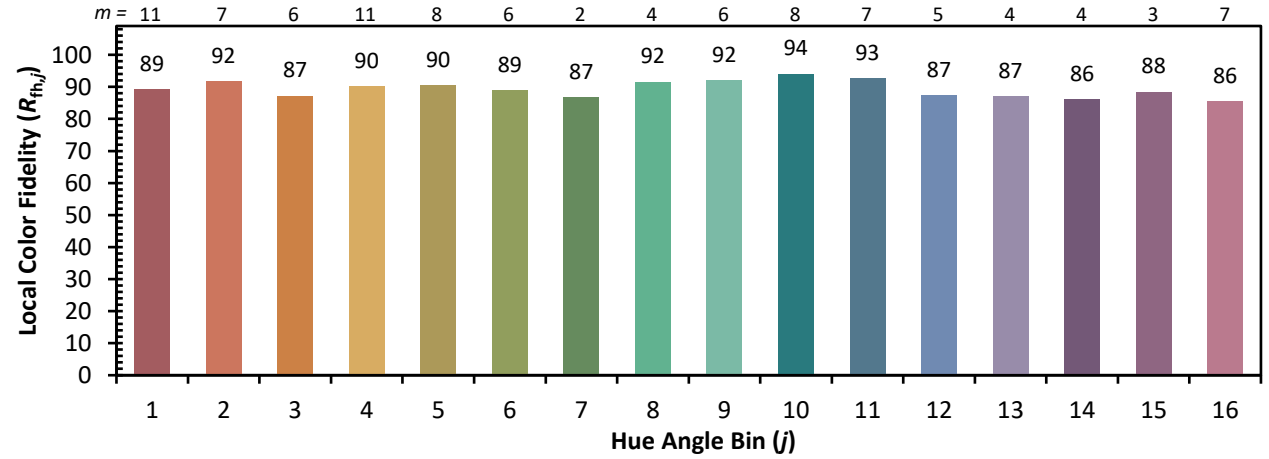
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Color Rendition by Hue-Angle Bin



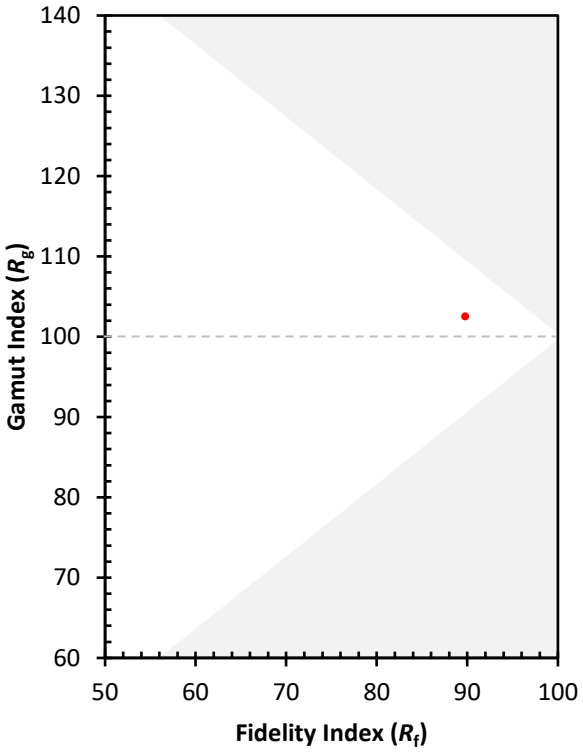


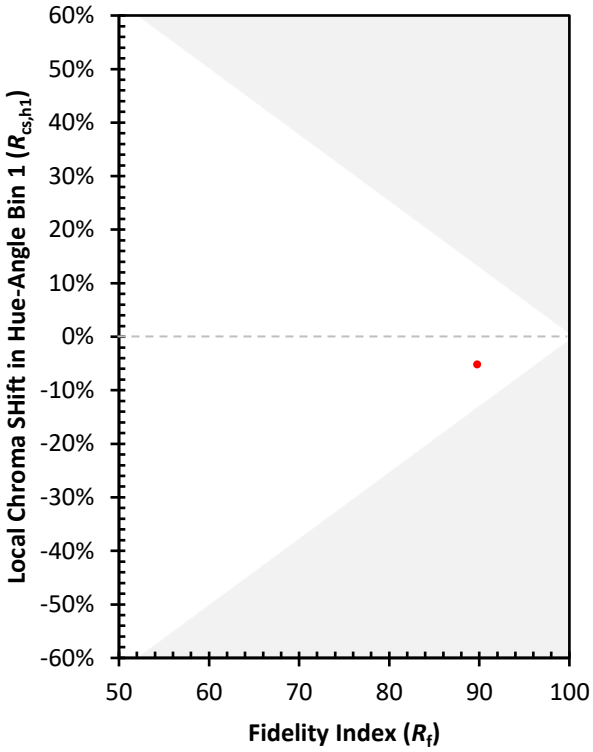


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Measure Comparisons





(END OF REPORT)