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: FAIL-SAFE

Report Number: P1357354

Luminaire Tested: 6ASL4-25VHE-3-A59-UNV

Issue Date: 2/17/2026

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

Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1357354
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2511-597-12)
Test Lab:	INNOVATION CENTER
Issue Date:	2/17/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	FAIL-SAFE
Catalog Number:	6ASL4-25VHE-3-A59-UNV
Description:	6FT 2500 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND A59 LEDS 3 ROW
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3042.0 lumens
Efficiency:	N/A
Efficacy:	34.2 lumens/watt
Spacing Criteria (0/90/45):	1.21 / 1.3 / 1.39
Luminous Opening:	Rectangular w/ Sides (W: 0.33' x L: 5.98' x H: 0.1')
CIE Type:	Direct

Input Watts (W):	88.9
Input Voltage (V):	NR
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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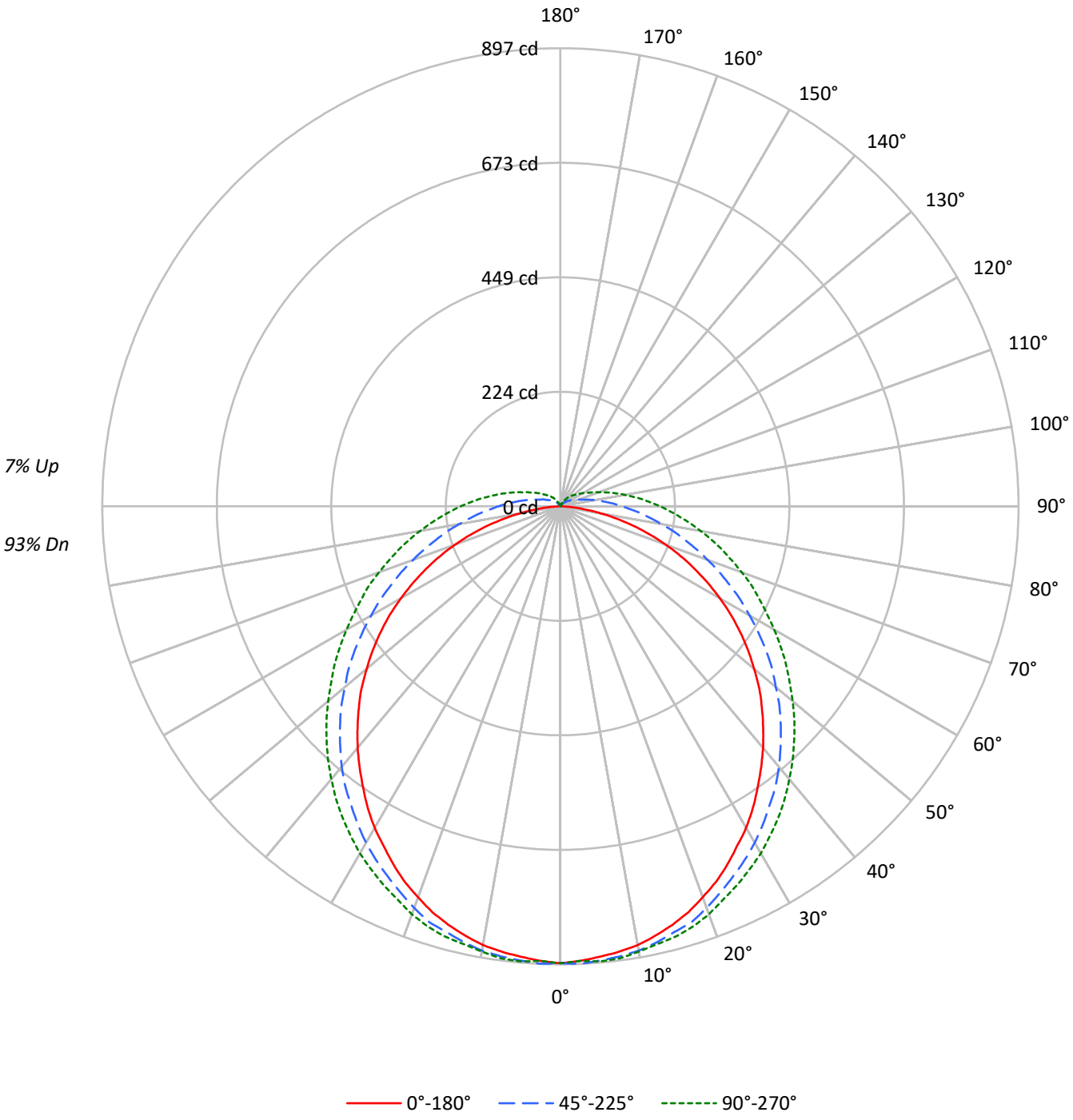
Luminous Intensity Polar Plot



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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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93
1	105	100	95	91	102	97	92	88	91	88	84	86	83	80	81	79	77	74
2	95	86	79	72	92	84	77	71	79	73	68	75	70	66	71	67	63	61
3	86	75	67	60	83	73	65	59	69	62	57	65	60	55	62	57	53	50
4	79	66	57	50	76	65	56	49	61	54	48	58	52	47	55	50	45	43
5	73	59	50	43	70	58	49	42	55	47	41	52	45	40	49	44	39	37
6	67	53	44	37	64	52	43	37	49	42	36	47	40	35	45	39	34	32
7	62	48	39	33	60	47	38	32	45	37	32	43	36	31	41	35	30	28
8	58	44	35	29	56	43	35	29	41	34	28	39	32	28	37	32	27	25
9	54	40	32	26	52	39	31	26	38	30	25	36	30	25	35	29	24	22
10	50	37	29	24	49	36	29	23	35	28	23	33	27	23	32	26	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4832	4832	4832
5°	4793	4743	4721
10°	4770	4654	4602
15°	4720	4542	4501
20°	4653	4434	4387
25°	4574	4298	4257
30°	4490	4181	4147
35°	4386	4048	4025
40°	4291	3926	3896
45°	4189	3778	3767
50°	4073	3620	3633
55°	3948	3469	3512
60°	3784	3291	3389
65°	3575	3121	3288
70°	3308	2953	3208
75°	2915	2801	3154
80°	2315	2690	3130
85°	1442	2672	3177

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 4189 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.8	2.8
10°-20°	243.6	8.0
20°-30°	368.3	12.1
30°-40°	445.9	14.7
40°-50°	468.4	15.4
50°-60°	437.0	14.4
60°-70°	361.1	11.9
70°-80°	260.0	8.5
80°-90°	161.6	5.3
90°-100°	94.7	3.1
100°-110°	54.2	1.8
110°-120°	30.6	1.0
120°-130°	17.6	0.6
130°-140°	9.5	0.3
140°-150°	4.0	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	696.7	22.9
0°-40°	1142.7	37.6
0°-60°	2048.0	67.3
0°-90°	2830.8	93.1
90°-120°	179.4	5.9
90°-150°	210.5	6.9
90°-180°	211.0	6.9
0°-180°	3042.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	895	895	895	895	895	
5°	885	893	893	893	895	84
15°	848	859	863	869	872	239
25°	774	787	800	811	818	356
35°	673	692	714	735	744	421
45°	558	578	610	636	647	431
55°	430	454	491	526	539	384
65°	290	318	366	413	430	287
75°	149	186	251	305	327	157
85°	28	84	158	214	234	34
90°	0	50	121	173	195	1
95°	0	32	91	140	160	0
105°	0	11	50	87	102	0
115°	0	6	30	54	63	0
125°	0	4	19	35	41	0
135°	0	0	11	22	28	0
145°	0	0	6	13	15	0
155°	0	0	0	4	6	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	894.7	*894.7*	894.7	894.7	894.7
2.5°	*891.0*	*896.6*	*896.6*	*891.0*	*891.0*
5°	885.4	*892.8*	892.8	892.8	894.7
7.5°	879.8	*889.1*	889.1	889.1	892.8
10°	872.4	*881.7*	883.5	883.5	885.4
12.5°	861.2	*872.4*	874.2	876.1	878.0
15°	848.2	*859.4*	863.1	868.7	872.4
17.5°	833.3	*846.3*	853.8	859.4	863.1
20°	814.7	*827.7*	837.0	844.5	850.1
22.5°	796.1	*807.3*	818.4	827.7	833.3
25°	773.8	*786.8*	799.8	811.0	818.4
27.5°	749.6	*764.5*	781.2	794.2	801.7
30°	727.3	*742.2*	760.8	777.5	784.9
32.5°	701.2	*718.0*	738.4	755.2	764.5
35°	673.3	*691.9*	714.3	734.7	744.0
37.5°	645.4	*664.0*	691.9	712.4	721.7
40°	617.5	*636.1*	665.9	688.2	697.5
42.5°	587.8	*606.4*	638.0	662.2	673.3
45°	558.0	*578.5*	610.1	636.1	647.3
47.5°	528.3	*548.7*	582.2	610.1	621.3
50°	494.8	*517.1*	550.6	582.2	593.4
52.5°	463.2	*485.5*	522.7	554.3	565.5
55°	429.7	*453.9*	491.1	526.4	539.4
57.5°	396.2	*420.4*	459.4	496.6	511.5
60°	360.9	*386.9*	427.8	466.9	483.6
62.5°	325.5	*353.4*	398.1	439.0	455.7
65°	290.2	*318.1*	366.4	412.9	429.7
67.5°	254.8	*284.6*	336.7	385.0	405.5
70°	219.5	*251.1*	306.9	357.1	377.6
72.5°	184.1	*217.6*	279.0	331.1	351.6
75°	148.8	*186.0*	251.1	305.1	327.4
77.5°	113.5	*156.2*	226.9	280.9	303.2
80°	81.8	*130.2*	200.9	256.7	279.0
82.5°	52.1	*104.2*	178.6	234.4	256.7
85°	27.9	*83.7*	158.1	213.9	234.4
87.5°	9.3	*65.1*	137.6	193.4	213.9
90°	0.0	*50.2*	120.9	173.0	195.3
92.5°	0.0	*39.1*	106.0	156.2	176.7
95°	0.0	*31.6*	91.1	139.5	160.0
97.5°	0.0	*26.0*	80.0	124.6	143.2
100°	0.0	*20.5*	68.8	111.6	128.3
102.5°	0.0	*16.7*	59.5	98.6	115.3
105°	0.0	*11.2*	50.2	87.4	102.3
107.5°	0.0	*9.3*	42.8	78.1	91.1
110°	0.0	*7.4*	39.1	67.0	80.0

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	*5.6*	35.3	59.5	72.5
115°	0.0	*5.6*	29.8	53.9	63.2
117.5°	0.0	*5.6*	26.0	48.4	57.7
120°	0.0	*3.7*	24.2	42.8	52.1
122.5°	0.0	*3.7*	20.5	39.1	46.5
125°	0.0	*3.7*	18.6	35.3	40.9
127.5°	0.0	*1.9*	16.7	31.6	37.2
130°	0.0	*1.9*	14.9	27.9	33.5
132.5°	0.0	*1.9*	13.0	26.0	31.6
135°	0.0	*0.0*	11.2	22.3	27.9
137.5°	0.0	*0.0*	9.3	20.5	24.2
140°	0.0	*0.0*	7.4	16.7	22.3
142.5°	0.0	*0.0*	5.6	14.9	18.6
145°	0.0	*0.0*	5.6	13.0	14.9
147.5°	0.0	*0.0*	3.7	9.3	13.0
150°	0.0	*0.0*	1.9	7.4	9.3
152.5°	0.0	*0.0*	0.0	5.6	7.4
155°	0.0	*0.0*	0.0	3.7	5.6
157.5°	0.0	*0.0*	0.0	0.0	1.9
160°	0.0	*0.0*	0.0	0.0	0.0
162.5°	0.0	*0.0*	0.0	0.0	0.0
165°	0.0	*0.0*	0.0	0.0	0.0
167.5°	0.0	*0.0*	0.0	0.0	0.0
170°	0.0	*0.0*	0.0	0.0	0.0
172.5°	0.0	*0.0*	0.0	0.0	0.0
175°	0.0	*0.0*	0.0	0.0	0.0
177.5°	0.0	*0.0*	0.0	0.0	0.0
180°	0.0	*0.0*	0.0	0.0	0.0

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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	14.82	16.36	15.29	16.81	17.29	16.87	18.41	17.34	18.87	19.35
	3H	16.31	17.72	16.79	18.18	18.71	19.35	20.75	19.83	21.22	21.74
	4H	16.79	18.12	17.29	18.61	19.14	20.55	21.89	21.06	22.37	22.91
	6H	17.07	18.31	17.58	18.80	19.36	21.83	23.07	22.34	23.56	24.11
	8H	17.12	18.31	17.65	18.83	19.39	22.49	23.68	23.01	24.20	24.75
	12H	17.13	18.27	17.67	18.79	19.38	23.22	24.36	23.75	24.87	25.46
4H	2H	15.70	17.03	16.20	17.51	18.05	17.30	18.63	17.81	19.12	19.65
	3H	17.43	18.57	17.95	19.09	19.65	20.00	21.14	20.52	21.66	22.22
	4H	18.04	19.08	18.57	19.61	20.20	21.38	22.42	21.92	22.96	23.55
	6H	18.43	19.35	18.99	19.91	20.52	22.85	23.76	23.40	24.33	24.93
	8H	18.53	19.39	19.09	19.95	20.57	23.61	24.48	24.17	25.04	25.66
	12H	18.57	19.36	19.16	19.95	20.57	24.47	25.26	25.05	25.85	26.47
8H	4H	18.72	19.59	19.28	20.15	20.77	21.60	22.46	22.16	23.02	23.64
	6H	19.30	20.04	19.90	20.64	21.26	23.23	23.96	23.82	24.57	25.19
	8H	19.49	20.15	20.09	20.76	21.40	24.14	24.80	24.74	25.41	26.05
	12H	19.60	20.19	20.21	20.79	21.50	25.18	25.77	25.79	26.38	27.08
12H	4H	18.92	19.71	19.50	20.30	20.92	21.61	22.39	22.19	22.98	23.61
	6H	19.60	20.26	20.21	20.88	21.52	23.27	23.93	23.87	24.54	25.18
	8H	19.88	20.47	20.49	21.07	21.78	24.24	24.83	24.85	25.44	26.14

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

Report Prepared for

Cooper Lighting Solutions

Fail-Safe

Report Number: SP1-2511-597-9

Test Date: 01/22/2026

Luminaire Tested: 4ASL-2-A590-UNV-OPL-1_600mA

Data in this report applies to families of products including 4ASL

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.05

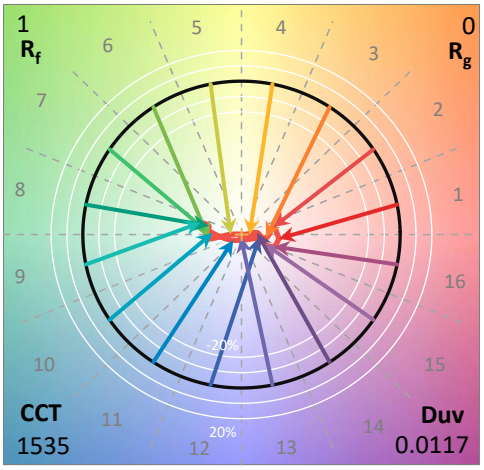
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2511-597-9
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	01/29/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Fail-Safe
Catalog Number:	**4ASL-2-A590-UNV-OPL-1_600mA**
Description:	2foot 4ASL LED LUMINAIRE WITH OPL LENS AND AMBER 590 LEDS with 1 rows at 600mA

Spectral Parameters

CCT (K):	1535
CIE u':	0.3534
CIE v':	0.5468
Duv:	0.0117
CIE x:	0.5921
CIE y:	0.4072
CIE z:	0.0007
Peak Wavelength (nm):	598
Dominant Wavelength (nm):	592
Purity:	99.97894
Rf:	1.3
Rg:	0.1

CRI (Ra):	-20.0				
R1:	-32.1	R9:	-380.5
R2:	53.1	R10:	29.9
R3:	18.5	R11:	-92.0
R4:	-65.7	R12:	-8.5
R5:	-38.6	R13:	-13.5
R6:	42.8	R14:	47.1
R7:	-6.2	R15:	-65.4
R8:	-132.3		



Test Conditions

Stabilization Time:	77M
Operation Time:	2H 17M
Sphere Temperature (°C):	25.1

REPORT NUMBER: SP1-2511-597-9

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

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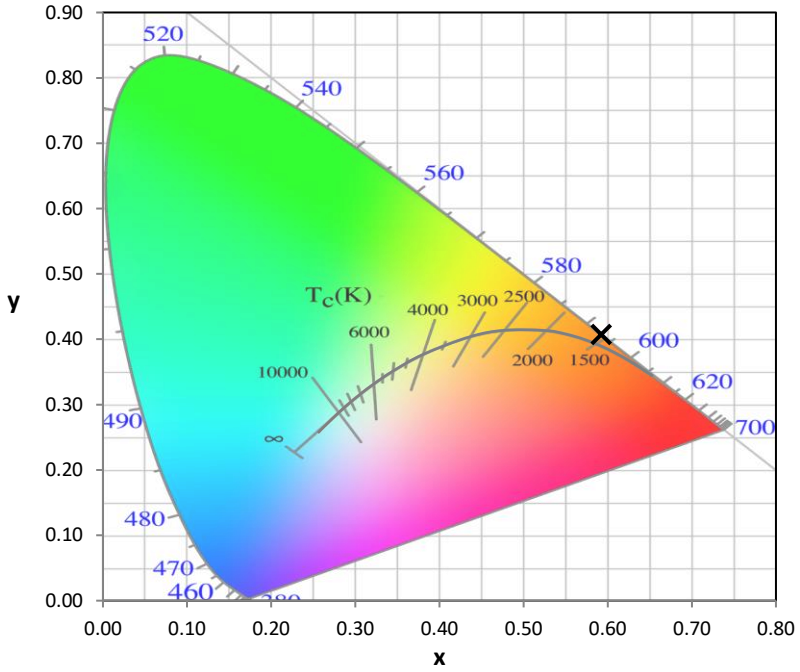
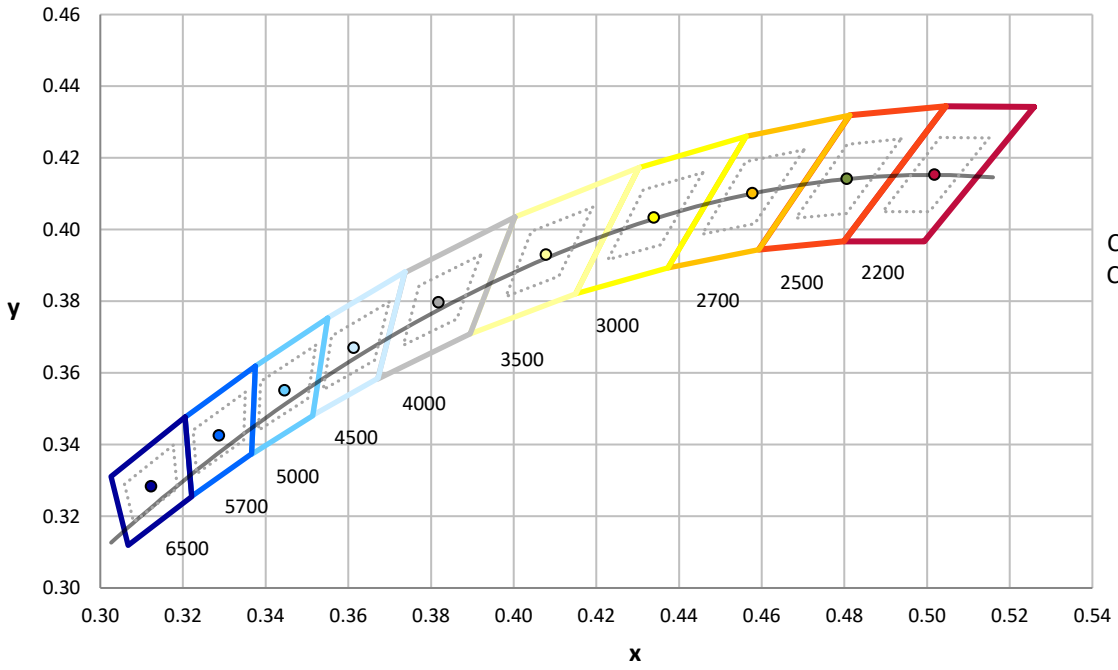
CIE 1931 Chromaticity Diagram



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

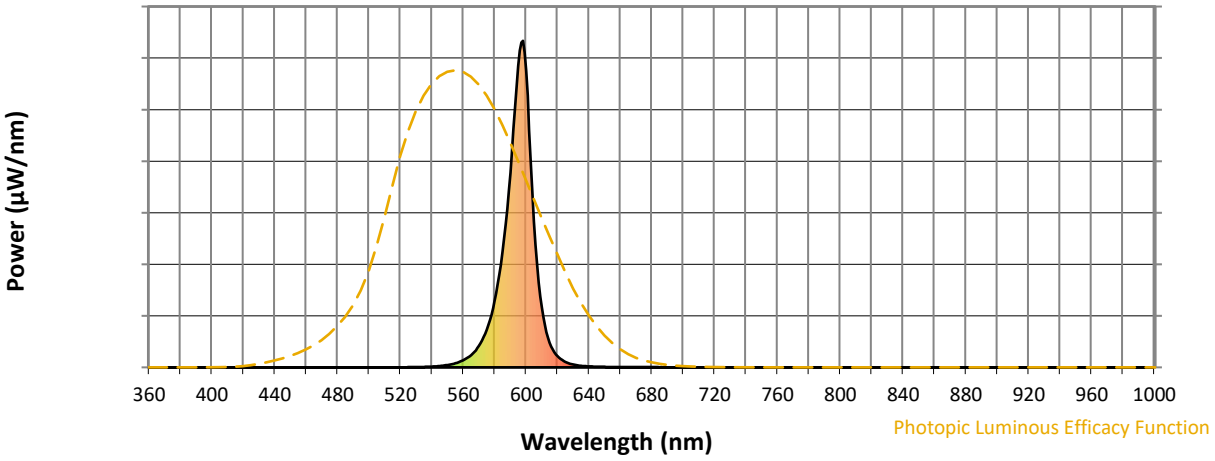


CCT = 1535K
CIE x = 0.5921
CIE y = 0.4072
Duv = 0.0117

Point lies outside the range

REPORT NUMBER: SP1-2511-597-9

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	0	NR	620	35	NR	750	0	NR	880	0	NR
365	0	NR	495	0	NR	625	17	NR	755	0	NR	885	0	NR
370	0	NR	500	0	NR	630	9	NR	760	0	NR	890	0	NR
375	0	NR	505	0	NR	635	5	NR	765	0	NR	895	0	NR
380	0	NR	510	0	NR	640	3	NR	770	0	NR	900	0	NR
385	0	NR	515	0	NR	645	2	NR	775	0	NR	905	0	NR
390	0	NR	520	0	NR	650	2	NR	780	0	NR	910	0	NR
395	0	NR	525	1	NR	655	1	NR	785	0	NR	915	0	NR
400	0	NR	530	1	NR	660	1	NR	790	0	NR	920	0	NR
405	0	NR	535	1	NR	665	1	NR	795	0	NR	925	0	NR
410	0	NR	540	2	NR	670	1	NR	800	0	NR	930	0	NR
415	0	NR	545	4	NR	675	1	NR	805	0	NR	935	0	NR
420	0	NR	550	7	NR	680	1	NR	810	0	NR	940	0	NR
425	0	NR	555	12	NR	685	0	NR	815	0	NR	945	0	NR
430	0	NR	560	22	NR	690	0	NR	820	0	NR	950	0	NR
435	0	NR	565	38	NR	695	0	NR	825	0	NR	955	0	NR
440	0	NR	570	66	NR	700	0	NR	830	0	NR	960	0	NR
445	0	NR	575	115	NR	705	0	NR	835	0	NR	965	0	NR
450	0	NR	580	203	NR	710	0	NR	840	0	NR	970	0	NR
455	0	NR	585	354	NR	715	0	NR	845	0	NR	975	0	NR
460	0	NR	590	596	NR	720	0	NR	850	0	NR	980	0	NR
465	0	NR	595	923	NR	725	0	NR	855	0	NR	985	0	NR
470	0	NR	600	909	NR	730	0	NR	860	0	NR	990	0	NR
475	0	NR	605	447	NR	735	0	NR	865	0	NR	995	0	NR
480	0	NR	610	183	NR	740	0	NR	870	0	NR	1000	0	NR
485	0	NR	615	75	NR	745	0	NR	875	0	NR			

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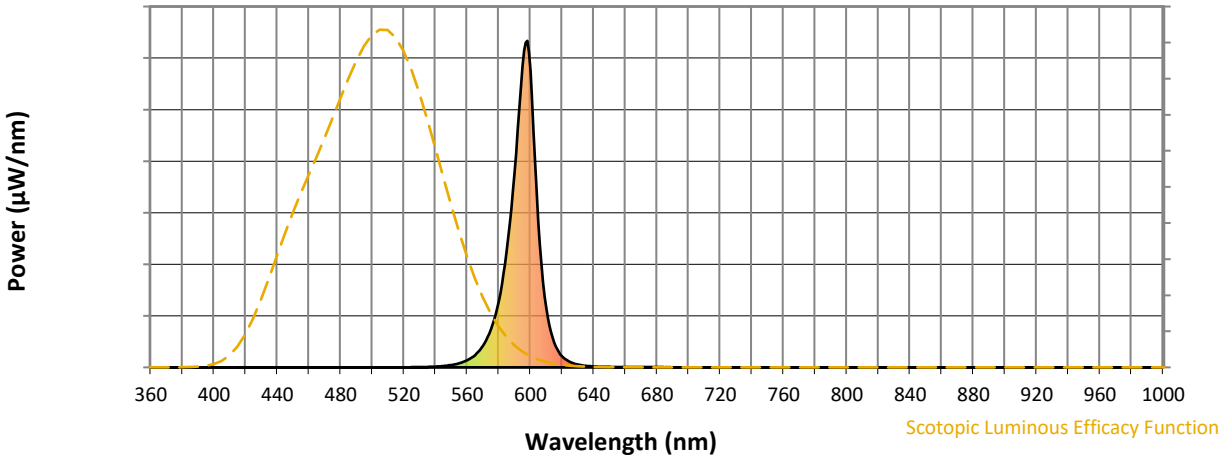
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 0.22**

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	0	NR	620	35	NR	750	0	NR	880	0	NR
365	0	NR	495	0	NR	625	17	NR	755	0	NR	885	0	NR
370	0	NR	500	0	NR	630	9	NR	760	0	NR	890	0	NR
375	0	NR	505	0	NR	635	5	NR	765	0	NR	895	0	NR
380	0	NR	510	0	NR	640	3	NR	770	0	NR	900	0	NR
385	0	NR	515	0	NR	645	2	NR	775	0	NR	905	0	NR
390	0	NR	520	0	NR	650	2	NR	780	0	NR	910	0	NR
395	0	NR	525	1	NR	655	1	NR	785	0	NR	915	0	NR
400	0	NR	530	1	NR	660	1	NR	790	0	NR	920	0	NR
405	0	NR	535	1	NR	665	1	NR	795	0	NR	925	0	NR
410	0	NR	540	2	NR	670	1	NR	800	0	NR	930	0	NR
415	0	NR	545	4	NR	675	1	NR	805	0	NR	935	0	NR
420	0	NR	550	7	NR	680	1	NR	810	0	NR	940	0	NR
425	0	NR	555	12	NR	685	0	NR	815	0	NR	945	0	NR
430	0	NR	560	22	NR	690	0	NR	820	0	NR	950	0	NR
435	0	NR	565	38	NR	695	0	NR	825	0	NR	955	0	NR
440	0	NR	570	66	NR	700	0	NR	830	0	NR	960	0	NR
445	0	NR	575	115	NR	705	0	NR	835	0	NR	965	0	NR
450	0	NR	580	203	NR	710	0	NR	840	0	NR	970	0	NR
455	0	NR	585	354	NR	715	0	NR	845	0	NR	975	0	NR
460	0	NR	590	596	NR	720	0	NR	850	0	NR	980	0	NR
465	0	NR	595	923	NR	725	0	NR	855	0	NR	985	0	NR
470	0	NR	600	909	NR	730	0	NR	860	0	NR	990	0	NR
475	0	NR	605	447	NR	735	0	NR	865	0	NR	995	0	NR
480	0	NR	610	183	NR	740	0	NR	870	0	NR	1000	0	NR
485	0	NR	615	75	NR	745	0	NR	875	0	NR			

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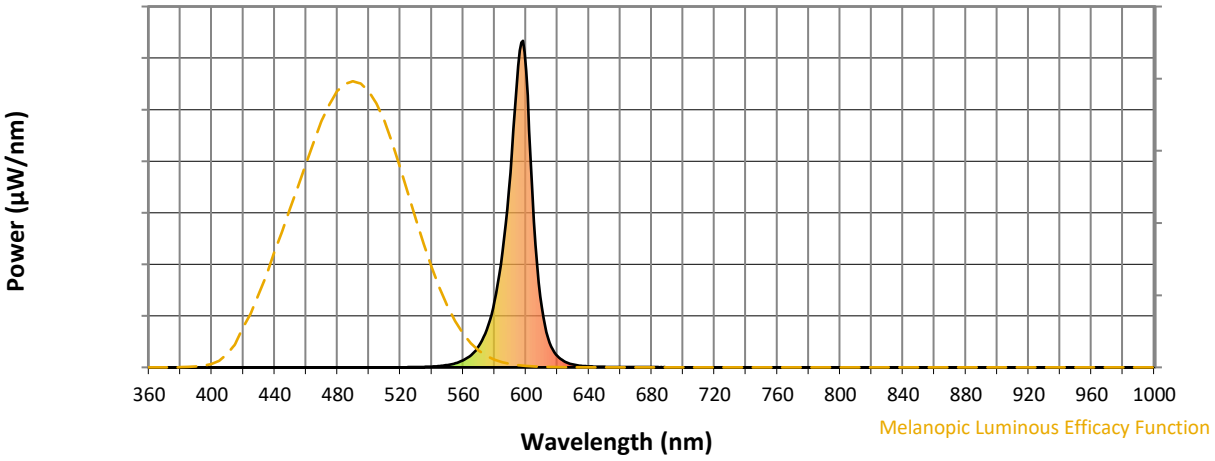
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 0.12**

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	0	NR	620	35	NR	750	0	NR	880	0	NR
365	0	NR	495	0	NR	625	17	NR	755	0	NR	885	0	NR
370	0	NR	500	0	NR	630	9	NR	760	0	NR	890	0	NR
375	0	NR	505	0	NR	635	5	NR	765	0	NR	895	0	NR
380	0	NR	510	0	NR	640	3	NR	770	0	NR	900	0	NR
385	0	NR	515	0	NR	645	2	NR	775	0	NR	905	0	NR
390	0	NR	520	0	NR	650	2	NR	780	0	NR	910	0	NR
395	0	NR	525	1	NR	655	1	NR	785	0	NR	915	0	NR
400	0	NR	530	1	NR	660	1	NR	790	0	NR	920	0	NR
405	0	NR	535	1	NR	665	1	NR	795	0	NR	925	0	NR
410	0	NR	540	2	NR	670	1	NR	800	0	NR	930	0	NR
415	0	NR	545	4	NR	675	1	NR	805	0	NR	935	0	NR
420	0	NR	550	7	NR	680	1	NR	810	0	NR	940	0	NR
425	0	NR	555	12	NR	685	0	NR	815	0	NR	945	0	NR
430	0	NR	560	22	NR	690	0	NR	820	0	NR	950	0	NR
435	0	NR	565	38	NR	695	0	NR	825	0	NR	955	0	NR
440	0	NR	570	66	NR	700	0	NR	830	0	NR	960	0	NR
445	0	NR	575	115	NR	705	0	NR	835	0	NR	965	0	NR
450	0	NR	580	203	NR	710	0	NR	840	0	NR	970	0	NR
455	0	NR	585	354	NR	715	0	NR	845	0	NR	975	0	NR
460	0	NR	590	596	NR	720	0	NR	850	0	NR	980	0	NR
465	0	NR	595	923	NR	725	0	NR	855	0	NR	985	0	NR
470	0	NR	600	909	NR	730	0	NR	860	0	NR	990	0	NR
475	0	NR	605	447	NR	735	0	NR	865	0	NR	995	0	NR
480	0	NR	610	183	NR	740	0	NR	870	0	NR	1000	0	NR
485	0	NR	615	75	NR	745	0	NR	875	0	NR			

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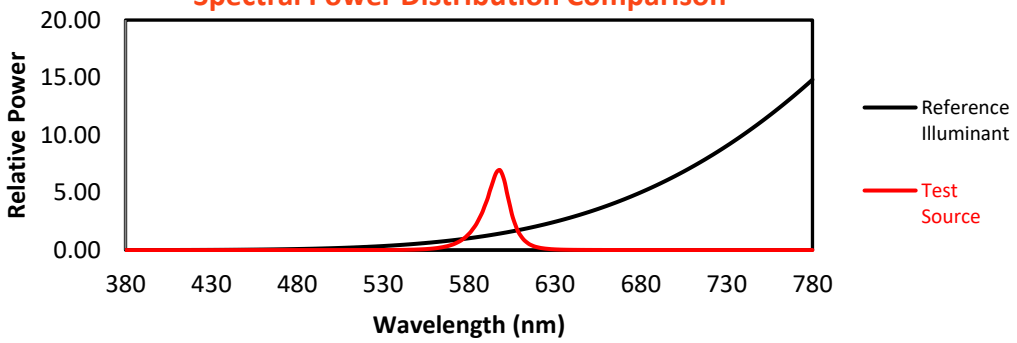
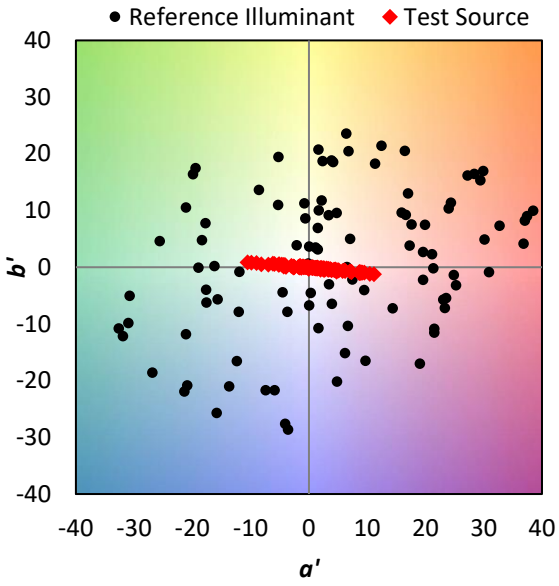
Summary

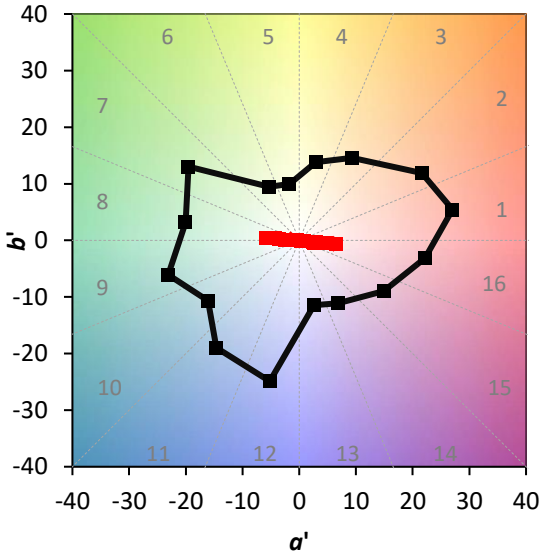
R_f = 1.3
R_g = 0.1
CIE R_a = -20.0
R_9 = -380.5

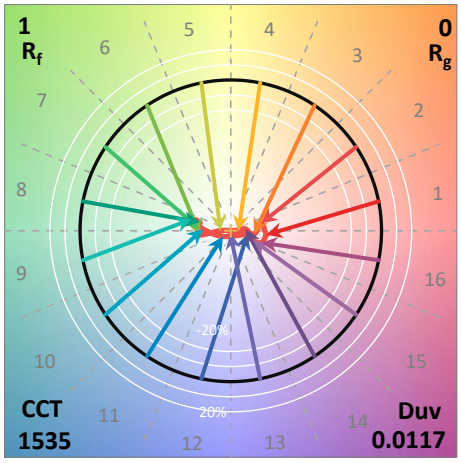
Spectral Power Distribution Comparison

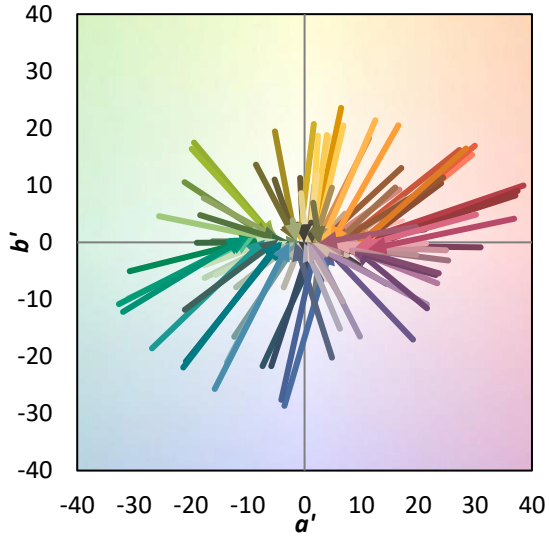


Color Vector Graphics









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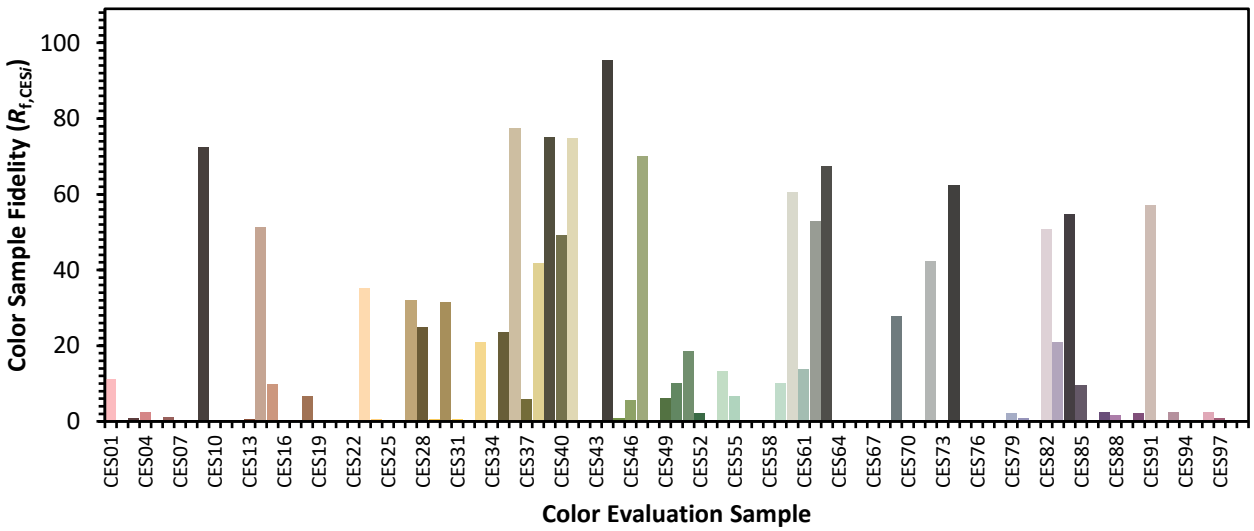
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 90	CES26 = 0	CES51 = 19	CES76 = 0
CES02 = 70	CES27 = 32	CES52 = 2	CES77 = 0
CES03 = 31	CES28 = 25	CES53 = 0	CES78 = 0
CES04 = 77	CES29 = 1	CES54 = 13	CES79 = 2
CES05 = 52	CES30 = 31	CES55 = 7	CES80 = 1
CES06 = 56	CES31 = 1	CES56 = 0	CES81 = 0
CES07 = 41	CES32 = 0	CES57 = 0	CES82 = 51
CES08 = 39	CES33 = 21	CES58 = 0	CES83 = 21
CES09 = 29	CES34 = 0	CES59 = 10	CES84 = 55
CES10 = 87	CES35 = 24	CES60 = 60	CES85 = 10
CES11 = 70	CES36 = 77	CES61 = 14	CES86 = 0
CES12 = 76	CES37 = 6	CES62 = 53	CES87 = 2
CES13 = 47	CES38 = 42	CES63 = 68	CES88 = 2
CES14 = 77	CES39 = 75	CES64 = 0	CES89 = 0
CES15 = 74	CES40 = 49	CES65 = 0	CES90 = 2
CES16 = 49	CES41 = 75	CES66 = 0	CES91 = 57
CES17 = 56	CES42 = 0	CES67 = 0	CES92 = 0
CES18 = 60	CES43 = 0	CES68 = 0	CES93 = 3
CES19 = 80	CES44 = 95	CES69 = 28	CES94 = 0
CES20 = 71	CES45 = 1	CES70 = 0	CES95 = 0
CES21 = 94	CES46 = 6	CES71 = 0	CES96 = 2
CES22 = 87	CES47 = 70	CES72 = 42	CES97 = 1
CES23 = 94	CES48 = 0	CES73 = 0	CES98 = 0
CES24 = 95	CES49 = 6	CES74 = 62	CES99 = 0
CES25 = 79	CES50 = 10	CES75 = 0	



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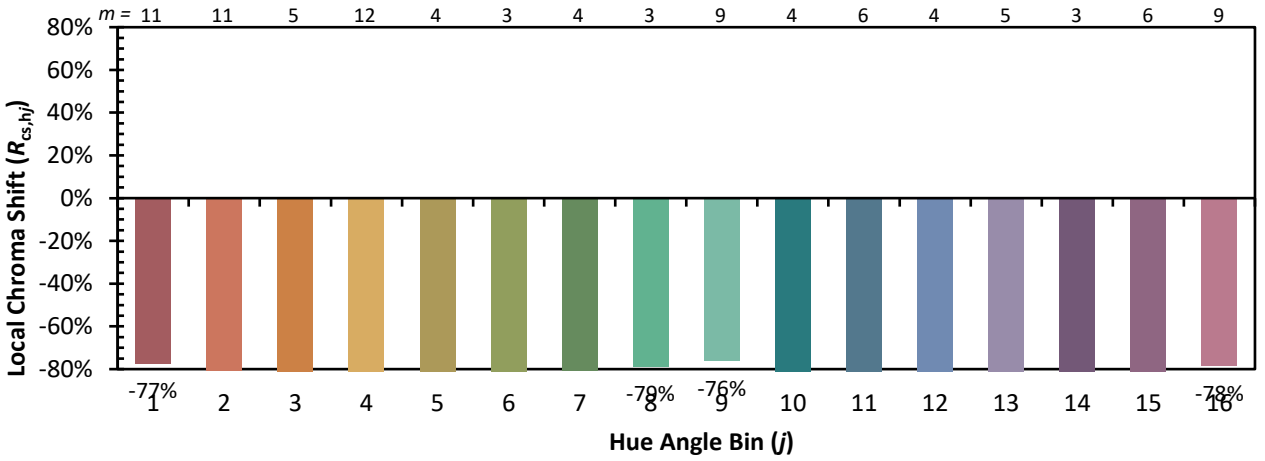
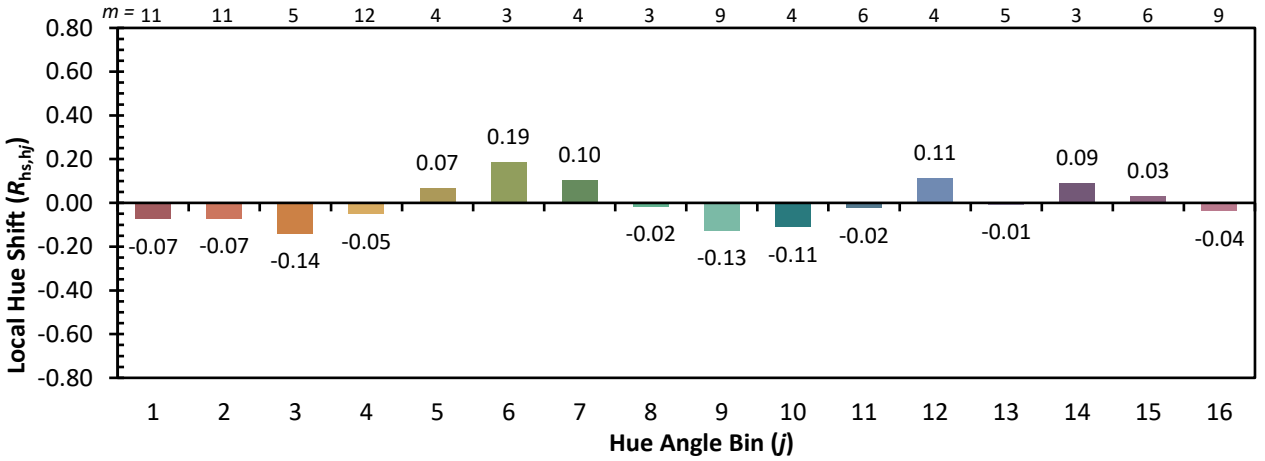
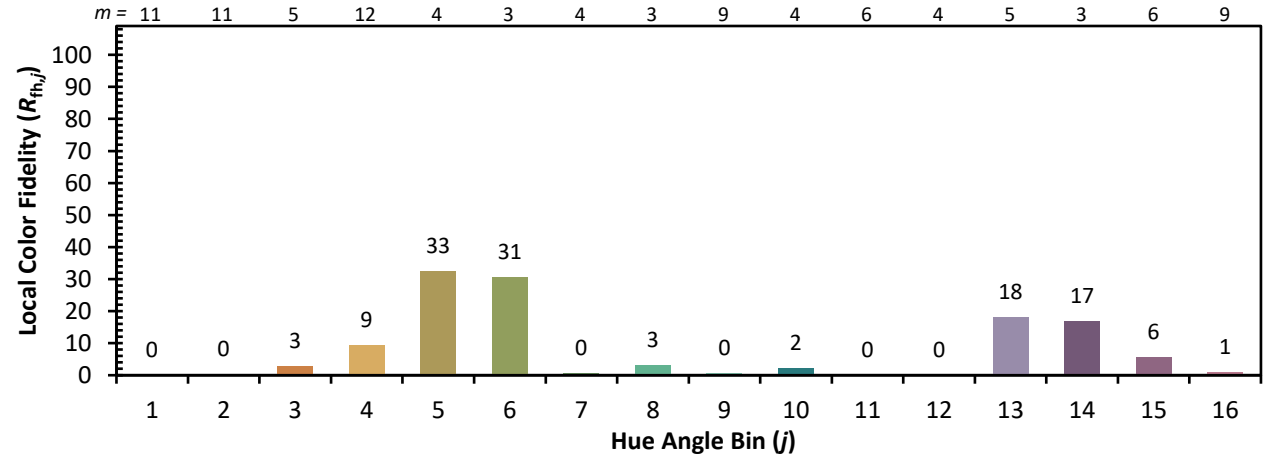
Color Rendition by Hue-Angle Bin







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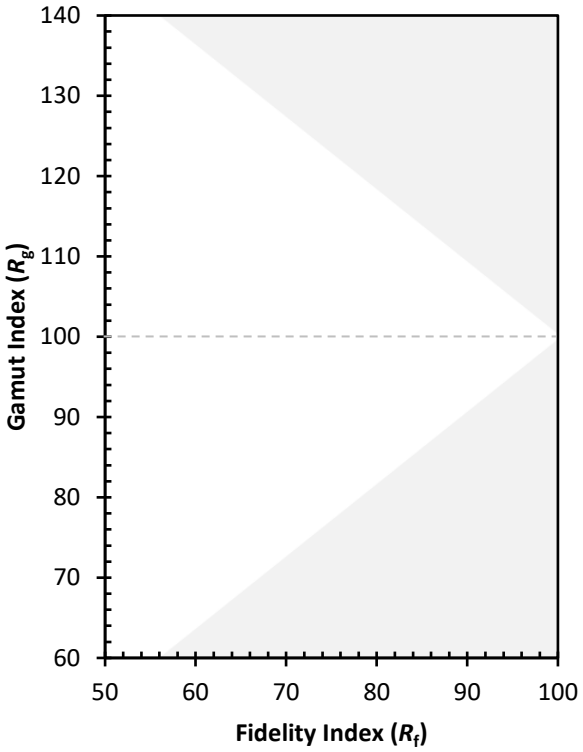
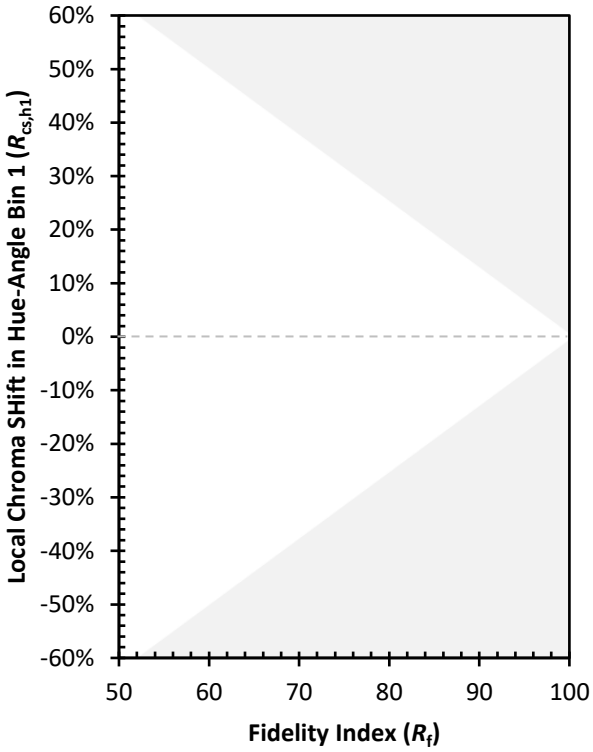
Measure Comparisons





(END OF REPORT)