

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: P1356947

Luminaire Tested: 2ASL4-5-1-G52-UNV

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1356947
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2511-597-6)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: 2ASL4-5-1-G52-UNV
Description: 2FT 500 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND G52 LEDS 1 ROW
Light Source: -
Ballast/Driver: -

Summary

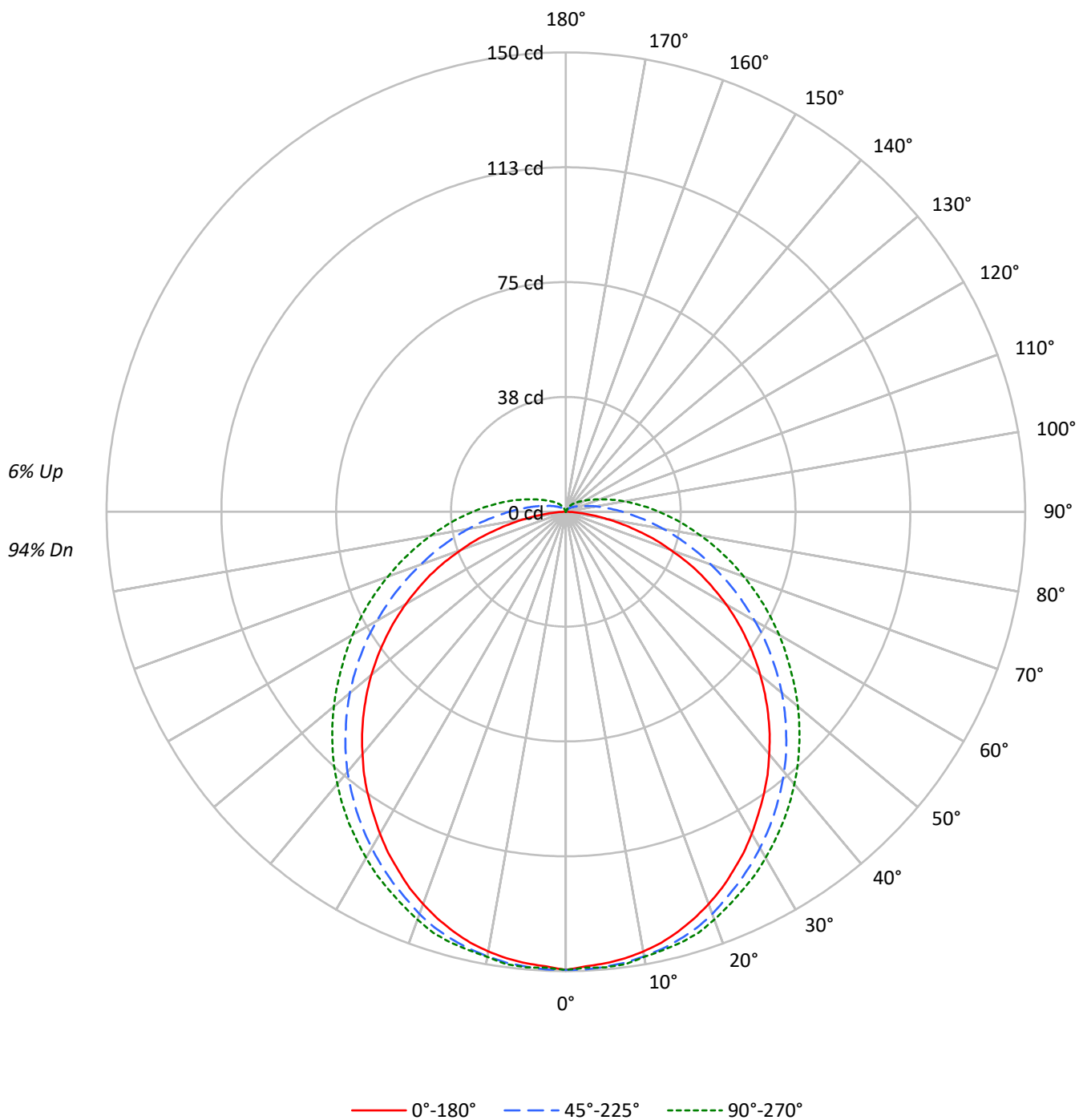
Lumens per Lamp: N/A
Luminaire Lumens: 501.0 lumens
Efficiency: N/A
Efficacy: 51.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.3 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1.98' x H: 0.1')
CIE Type: Direct

Input Watts (W): 9.7
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
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	118	118	118	118	114	114	114	114	108	108	108		102	102	102		96
1	106	100	95	91	102	97	93	89	92	88	85		87	84	81		82
2	95	86	79	73	92	84	77	71	79	74	69		75	70	66		71
3	87	76	67	60	84	73	65	59	69	63	57		66	60	55		62
4	79	67	57	50	76	65	56	50	62	54	48		58	52	47		56
5	73	59	50	43	70	58	49	43	55	47	42		52	46	41		50
6	67	53	44	38	65	52	43	37	50	42	36		47	41	35		45
7	62	48	39	33	60	47	39	33	45	37	32		43	36	31		41
8	58	44	35	29	56	43	35	29	41	34	29		39	33	28		38
9	54	40	32	26	52	39	32	26	38	31	26		36	30	25		35
10	51	37	29	24	49	36	29	24	35	28	23		34	27	23		32

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2441	2441	2441
5°	2413	2388	2380
10°	2393	2336	2318
15°	2364	2281	2269
20°	2322	2219	2209
25°	2272	2147	2143
30°	2220	2079	2083
35°	2165	2011	2022
40°	2107	1941	1959
45°	2047	1865	1895
50°	1980	1788	1829
55°	1900	1700	1760
60°	1806	1608	1702
65°	1693	1511	1644
70°	1517	1407	1586
75°	1291	1316	1542
80°	991	1232	1515
85°	538	1170	1523

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2047 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.2	2.8
10°-20°	40.7	8.1
20°-30°	61.5	12.3
30°-40°	74.3	14.8
40°-50°	78.2	15.6
50°-60°	72.8	14.5
60°-70°	59.8	11.9
70°-80°	42.5	8.5
80°-90°	25.6	5.1
90°-100°	14.3	2.9
100°-110°	7.9	1.6
110°-120°	4.4	0.9
120°-130°	2.6	0.5
130°-140°	1.4	0.3
140°-150°	0.6	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	116.4	23.2
0°-40°	190.7	38.1
0°-60°	341.7	68.2
0°-90°	469.6	93.7
90°-120°	26.7	5.3
90°-150°	31.3	6.2
90°-180°	31.0	6.2
0°-180°	501.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	150	150	150	150	150	
5°	148	149	149	149	149	14
15°	142	144	144	145	146	40
25°	129	132	134	135	136	60
35°	113	116	119	122	124	70
45°	93	97	102	106	108	72
55°	72	76	82	87	90	64
65°	49	53	61	68	71	48
75°	24	31	41	49	53	26
85°	5	13	25	34	37	6
90°	0	8	18	27	30	0
95°	0	5	14	21	24	0
105°	0	2	7	13	15	0
115°	0	1	4	8	9	0
125°	0	0	3	5	6	0
135°	0	0	2	3	4	0
145°	0	0	1	2	2	0
155°	0	0	0	0	1	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	149.6	149.6	149.6	149.6	149.6
2.5°	148.6	150.0	149.6	149.0	149.0
5°	148.0	149.3	149.1	149.0	149.3
7.5°	147.1	148.5	148.5	148.6	149.0
10°	145.8	147.4	147.4	147.4	147.6
12.5°	144.1	145.8	146.1	146.3	146.6
15°	141.9	143.7	144.4	145.1	145.6
17.5°	139.3	141.2	142.4	143.2	144.1
20°	136.3	138.3	139.8	140.8	141.7
22.5°	133.1	135.1	136.6	138.1	139.1
25°	129.3	131.7	133.6	135.4	136.4
27.5°	125.6	128.0	130.3	132.5	133.7
30°	121.4	124.1	126.8	129.3	130.5
32.5°	117.0	119.9	123.1	125.8	127.1
35°	112.7	115.6	119.2	122.2	123.7
37.5°	108.2	111.0	115.1	118.5	120.0
40°	103.3	106.5	110.9	114.4	116.1
42.5°	98.5	101.7	106.5	110.4	112.1
45°	93.4	96.8	101.7	106.0	107.8
47.5°	88.2	91.8	97.0	101.4	103.4
50°	82.9	86.7	92.1	96.8	98.9
52.5°	77.4	81.3	87.0	92.1	94.3
55°	71.8	75.8	81.8	87.2	89.5
57.5°	66.2	70.3	76.7	82.4	85.0
60°	60.4	64.7	71.3	77.5	80.4
62.5°	54.5	58.9	65.9	72.6	75.7
65°	48.8	53.2	60.8	67.9	71.1
67.5°	42.7	47.4	55.5	63.0	66.4
70°	36.4	41.8	50.4	58.4	61.8
72.5°	30.8	36.4	45.7	53.8	57.4
75°	24.5	30.8	41.0	49.4	53.0
77.5°	19.1	25.9	36.6	45.2	48.8
80°	13.7	21.2	32.3	41.1	44.7
82.5°	8.8	16.9	28.4	37.4	40.8
85°	4.6	13.2	24.7	33.9	37.2
87.5°	1.4	10.2	21.3	30.3	33.7
90°	0.0	7.8	18.5	27.1	30.3
92.5°	0.0	5.9	15.9	24.2	27.4
95°	0.0	4.6	13.5	21.3	24.4
97.5°	0.0	3.6	11.7	18.8	21.8
100°	0.0	2.9	10.0	16.6	19.5
102.5°	0.0	2.4	8.6	14.7	17.3
105°	0.0	1.7	7.1	12.9	15.2
107.5°	0.0	1.2	6.3	11.3	13.4
110°	0.0	1.0	5.6	9.8	11.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.8	4.9	8.8	10.5
115°	0.0	0.8	4.4	7.8	9.3
117.5°	0.0	0.7	3.7	6.9	8.3
120°	0.0	0.7	3.4	6.3	7.4
122.5°	0.0	0.5	3.0	5.6	6.8
125°	0.0	0.5	2.7	5.1	5.9
127.5°	0.0	0.3	2.4	4.6	5.4
130°	0.0	0.3	2.2	4.1	4.9
132.5°	0.0	0.2	2.0	3.7	4.4
135°	0.0	0.2	1.7	3.2	4.1
137.5°	0.0	0.0	1.5	2.9	3.6
140°	0.0	0.0	1.2	2.5	3.2
142.5°	0.2	0.0	1.0	2.2	2.7
145°	0.2	0.0	0.7	1.9	2.4
147.5°	0.2	0.2	0.5	1.5	1.9
150°	0.2	0.2	0.3	1.0	1.5
152.5°	0.2	0.2	0.2	0.7	1.0
155°	0.2	0.2	0.0	0.5	0.7
157.5°	0.2	0.2	0.0	0.2	0.3
160°	0.2	0.2	0.0	0.0	0.2
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	12.48	14.03	12.94	14.47	14.94	14.37	15.92	14.83	16.37	16.83
	3H	13.97	15.39	14.44	15.84	16.35	16.75	18.16	17.22	18.62	19.12
	4H	14.45	15.79	14.94	16.26	16.78	17.89	19.23	18.38	19.70	20.22
	6H	14.72	15.97	15.23	16.46	17.00	19.05	20.29	19.55	20.78	21.32
	8H	14.78	15.97	15.30	16.48	17.03	19.63	20.83	20.15	21.33	21.88
	12H	14.79	15.94	15.31	16.44	17.01	20.25	21.40	20.78	21.90	22.48
4H	2H	13.33	14.67	13.82	15.14	15.66	14.81	16.15	15.31	16.62	17.15
	3H	15.06	16.20	15.56	16.71	17.26	17.41	18.55	17.92	19.07	19.61
	4H	15.65	16.70	16.18	17.22	17.80	18.72	19.76	19.24	20.28	20.86
	6H	16.05	16.97	16.60	17.52	18.12	20.07	20.99	20.61	21.54	22.13
	8H	16.14	17.01	16.70	17.56	18.17	20.75	21.62	21.30	22.17	22.78
	12H	16.19	16.98	16.76	17.55	18.16	21.50	22.29	22.07	22.87	23.48
8H	4H	16.29	17.15	16.84	17.71	18.31	18.93	19.80	19.48	20.35	20.96
	6H	16.86	17.59	17.44	18.18	18.79	20.45	21.18	21.03	21.78	22.39
	8H	17.03	17.69	17.63	18.30	18.92	21.27	21.94	21.87	22.54	23.17
	12H	17.14	17.73	17.74	18.33	19.02	22.20	22.80	22.80	23.39	24.08
12H	4H	16.46	17.25	17.03	17.83	18.44	18.94	19.73	19.51	20.31	20.92
	6H	17.12	17.78	17.71	18.39	19.01	20.49	21.15	21.08	21.75	22.38
	8H	17.39	17.98	17.98	18.57	19.26	21.38	21.97	21.98	22.56	23.26

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

Report Prepared for

Cooper Lighting Solutions

Fail-Safe

Report Number: SP1-2511-597-8

Test Date: 01/22/2026

Luminaire Tested: 4ASL-2-G520-UNV-OPL-1_600mA

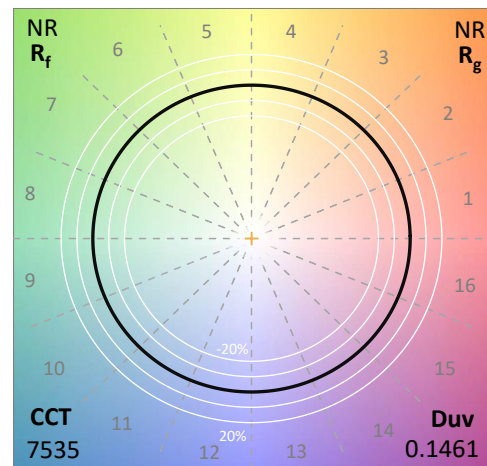
Data in this report applies to families of products including 4ASL

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2511-597-8
 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-G520-UNV-OPL-1_600mA**
 Description: 2foot 4ASL LED LUMINAIRE WITH OPL LENS AND GREEN 520NM LEDS with 1 rows at 600mA

Spectral Parameters

CCT (K):	7535	CRI (Ra):	-11.7		
CIE u':	0.0718	R1:	-30.6	R9:	-351.9
CIE v':	0.5710	R2:	5.1	R10:	-75.5
Duv:	0.1461	R3:	5.6	R11:	-78.0
CIE x:	0.1962	R4:	-51.7	R12:	-14.7
CIE y:	0.6931	R5:	-6.4	R13:	-32.5
CIE z:	0.1107	R6:	-0.6	R14:	52.7
Peak Wavelength (nm):	524	R7:	10.9	R15:	-37.0
Dominant Wavelength (nm):	529	R8:	-25.8		
Purity:	75.95236				
Rf:	NR				
Rg:	NR				



Test Conditions

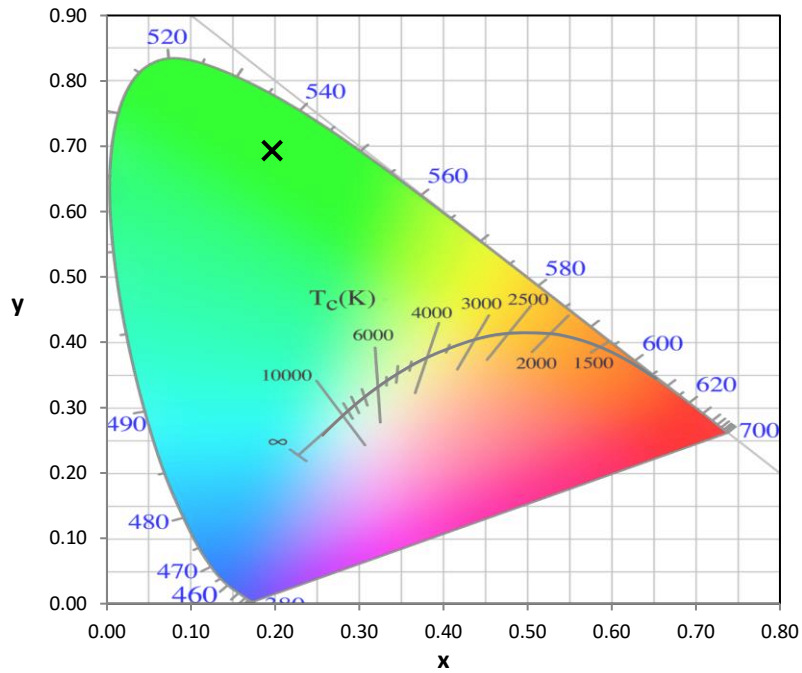
Stabilization Time: 48M
 Operation Time: 1H 48M
 Sphere Temperature (°C): 25.1

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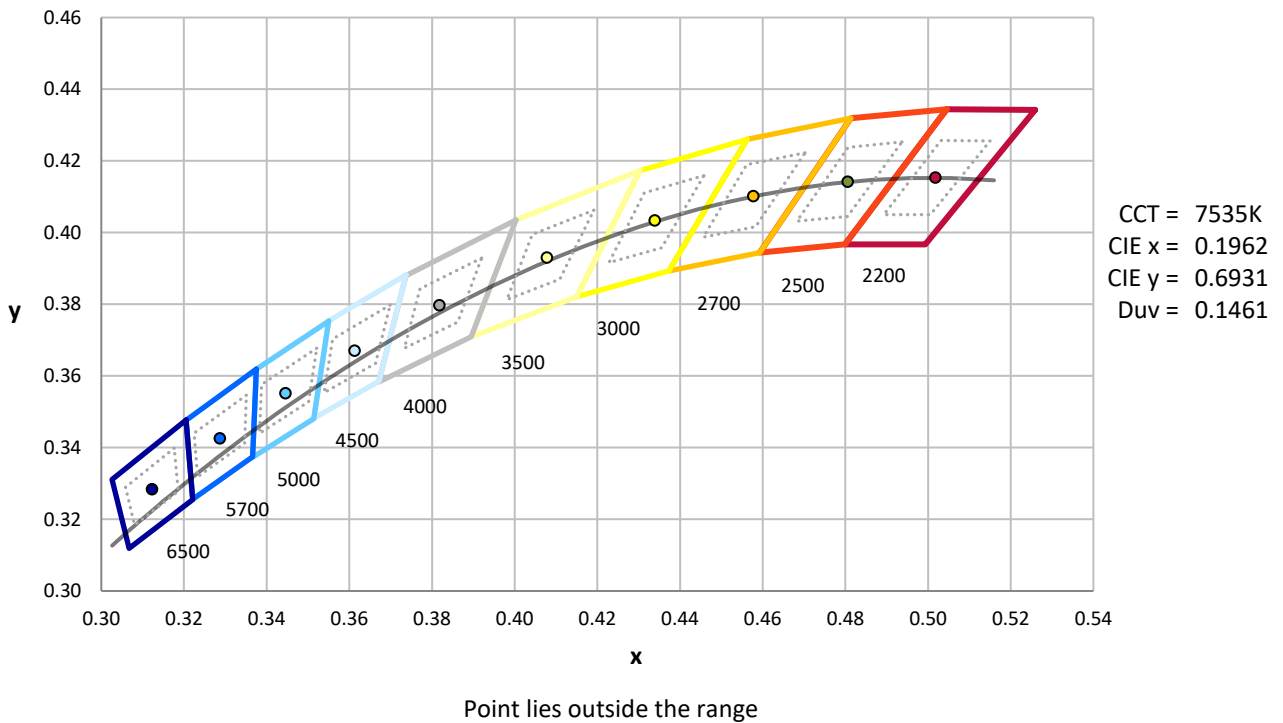
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208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

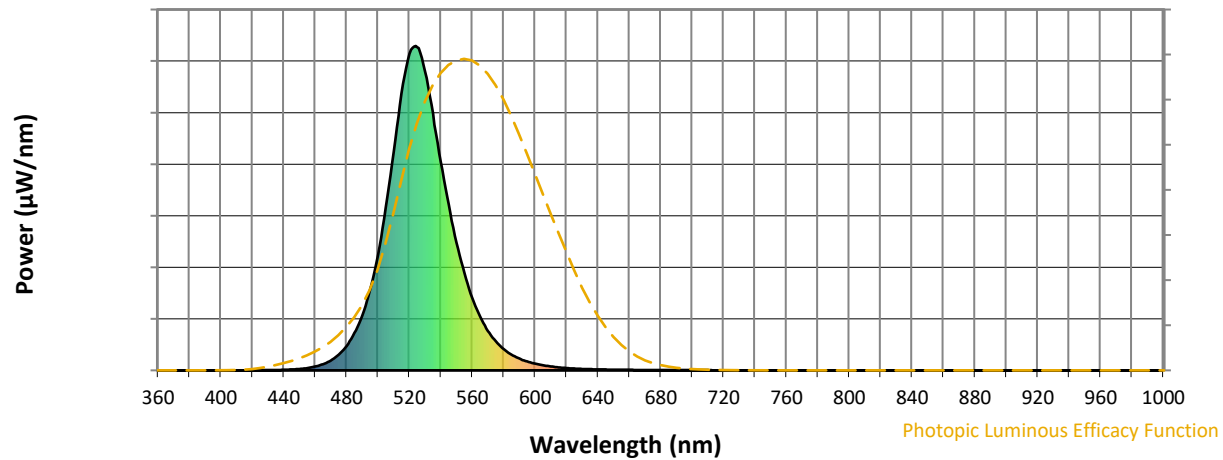


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



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Photopic Flux vs. Wavelength

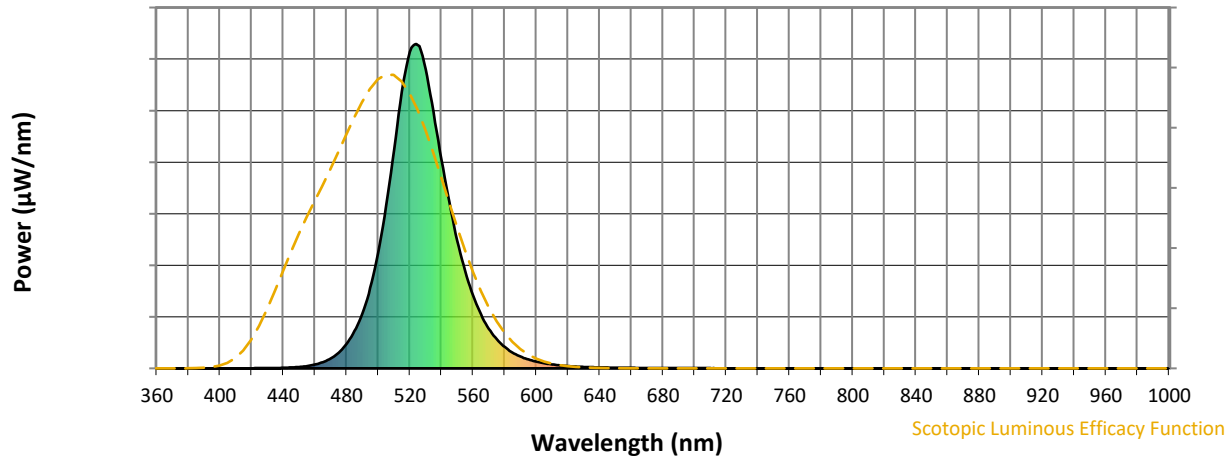


Photopic Lumens: NR

λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	169	NR	620	7	NR	750	0	NR	880	0	NR
365	0	NR	495	249	NR	625	6	NR	755	0	NR	885	0	NR
370	0	NR	500	356	NR	630	4	NR	760	0	NR	890	0	NR
375	0	NR	505	502	NR	635	4	NR	765	0	NR	895	0	NR
380	0	NR	510	674	NR	640	3	NR	770	0	NR	900	0	NR
385	0	NR	515	853	NR	645	3	NR	775	0	NR	905	0	NR
390	0	NR	520	976	NR	650	2	NR	780	0	NR	910	0	NR
395	0	NR	525	996	NR	655	2	NR	785	0	NR	915	0	NR
400	0	NR	530	920	NR	660	2	NR	790	0	NR	920	0	NR
405	0	NR	535	792	NR	665	1	NR	795	0	NR	925	0	NR
410	0	NR	540	642	NR	670	1	NR	800	0	NR	930	0	NR
415	0	NR	545	511	NR	675	1	NR	805	0	NR	935	0	NR
420	0	NR	550	394	NR	680	1	NR	810	0	NR	940	0	NR
425	1	NR	555	300	NR	685	1	NR	815	0	NR	945	0	NR
430	1	NR	560	224	NR	690	1	NR	820	0	NR	950	0	NR
435	1	NR	565	166	NR	695	1	NR	825	0	NR	955	0	NR
440	2	NR	570	122	NR	700	1	NR	830	0	NR	960	0	NR
445	3	NR	575	90	NR	705	1	NR	835	0	NR	965	0	NR
450	4	NR	580	66	NR	710	1	NR	840	0	NR	970	0	NR
455	7	NR	585	48	NR	715	0	NR	845	0	NR	975	0	NR
460	12	NR	590	36	NR	720	0	NR	850	0	NR	980	0	NR
465	19	NR	595	27	NR	725	0	NR	855	0	NR	985	0	NR
470	31	NR	600	21	NR	730	0	NR	860	0	NR	990	0	NR
475	49	NR	605	16	NR	735	0	NR	865	0	NR	995	0	NR
480	75	NR	610	12	NR	740	0	NR	870	0	NR	1000	0	NR
485	115	NR	615	9	NR	745	0	NR	875	0	NR			

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Scotopic Flux vs. Wavelength



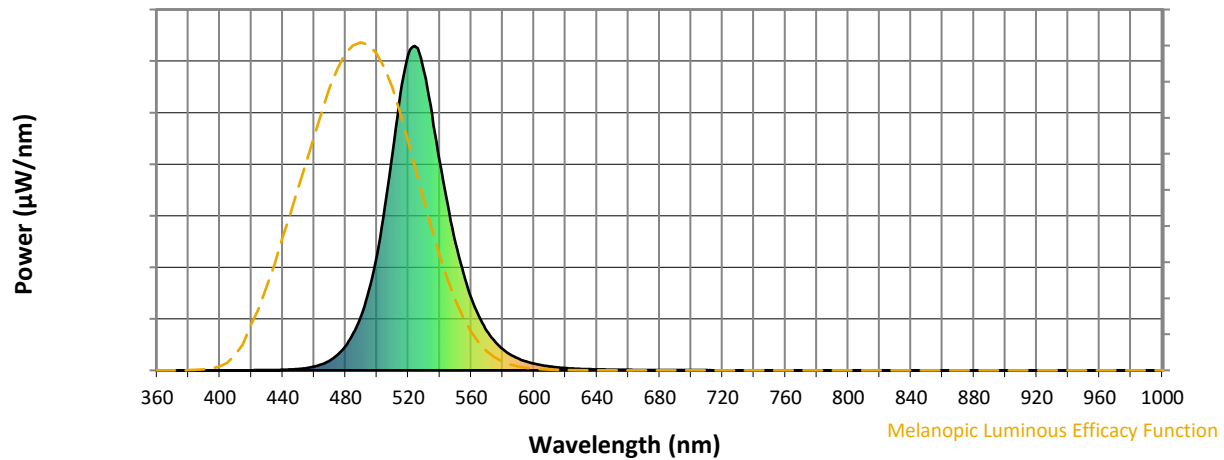
Scotopic Lumens: NR

S/P: 2.63

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	169	NR	620	7	NR	750	0	NR	880	0	NR
365	0	NR	495	249	NR	625	6	NR	755	0	NR	885	0	NR
370	0	NR	500	356	NR	630	4	NR	760	0	NR	890	0	NR
375	0	NR	505	502	NR	635	4	NR	765	0	NR	895	0	NR
380	0	NR	510	674	NR	640	3	NR	770	0	NR	900	0	NR
385	0	NR	515	853	NR	645	3	NR	775	0	NR	905	0	NR
390	0	NR	520	976	NR	650	2	NR	780	0	NR	910	0	NR
395	0	NR	525	996	NR	655	2	NR	785	0	NR	915	0	NR
400	0	NR	530	920	NR	660	2	NR	790	0	NR	920	0	NR
405	0	NR	535	792	NR	665	1	NR	795	0	NR	925	0	NR
410	0	NR	540	642	NR	670	1	NR	800	0	NR	930	0	NR
415	0	NR	545	511	NR	675	1	NR	805	0	NR	935	0	NR
420	0	NR	550	394	NR	680	1	NR	810	0	NR	940	0	NR
425	1	NR	555	300	NR	685	1	NR	815	0	NR	945	0	NR
430	1	NR	560	224	NR	690	1	NR	820	0	NR	950	0	NR
435	1	NR	565	166	NR	695	1	NR	825	0	NR	955	0	NR
440	2	NR	570	122	NR	700	1	NR	830	0	NR	960	0	NR
445	3	NR	575	90	NR	705	1	NR	835	0	NR	965	0	NR
450	4	NR	580	66	NR	710	1	NR	840	0	NR	970	0	NR
455	7	NR	585	48	NR	715	0	NR	845	0	NR	975	0	NR
460	12	NR	590	36	NR	720	0	NR	850	0	NR	980	0	NR
465	19	NR	595	27	NR	725	0	NR	855	0	NR	985	0	NR
470	31	NR	600	21	NR	730	0	NR	860	0	NR	990	0	NR
475	49	NR	605	16	NR	735	0	NR	865	0	NR	995	0	NR
480	75	NR	610	12	NR	740	0	NR	870	0	NR	1000	0	NR
485	115	NR	615	9	NR	745	0	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 4.87

λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	169	NR	620	7	NR	750	0	NR	880	0	NR
365	0	NR	495	249	NR	625	6	NR	755	0	NR	885	0	NR
370	0	NR	500	356	NR	630	4	NR	760	0	NR	890	0	NR
375	0	NR	505	502	NR	635	4	NR	765	0	NR	895	0	NR
380	0	NR	510	674	NR	640	3	NR	770	0	NR	900	0	NR
385	0	NR	515	853	NR	645	3	NR	775	0	NR	905	0	NR
390	0	NR	520	976	NR	650	2	NR	780	0	NR	910	0	NR
395	0	NR	525	996	NR	655	2	NR	785	0	NR	915	0	NR
400	0	NR	530	920	NR	660	2	NR	790	0	NR	920	0	NR
405	0	NR	535	792	NR	665	1	NR	795	0	NR	925	0	NR
410	0	NR	540	642	NR	670	1	NR	800	0	NR	930	0	NR
415	0	NR	545	511	NR	675	1	NR	805	0	NR	935	0	NR
420	0	NR	550	394	NR	680	1	NR	810	0	NR	940	0	NR
425	1	NR	555	300	NR	685	1	NR	815	0	NR	945	0	NR
430	1	NR	560	224	NR	690	1	NR	820	0	NR	950	0	NR
435	1	NR	565	166	NR	695	1	NR	825	0	NR	955	0	NR
440	2	NR	570	122	NR	700	1	NR	830	0	NR	960	0	NR
445	3	NR	575	90	NR	705	1	NR	835	0	NR	965	0	NR
450	4	NR	580	66	NR	710	1	NR	840	0	NR	970	0	NR
455	7	NR	585	48	NR	715	0	NR	845	0	NR	975	0	NR
460	12	NR	590	36	NR	720	0	NR	850	0	NR	980	0	NR
465	19	NR	595	27	NR	725	0	NR	855	0	NR	985	0	NR
470	31	NR	600	21	NR	730	0	NR	860	0	NR	990	0	NR
475	49	NR	605	16	NR	735	0	NR	865	0	NR	995	0	NR
480	75	NR	610	12	NR	740	0	NR	870	0	NR	1000	0	NR
485	115	NR	615	9	NR	745	0	NR	875	0	NR			

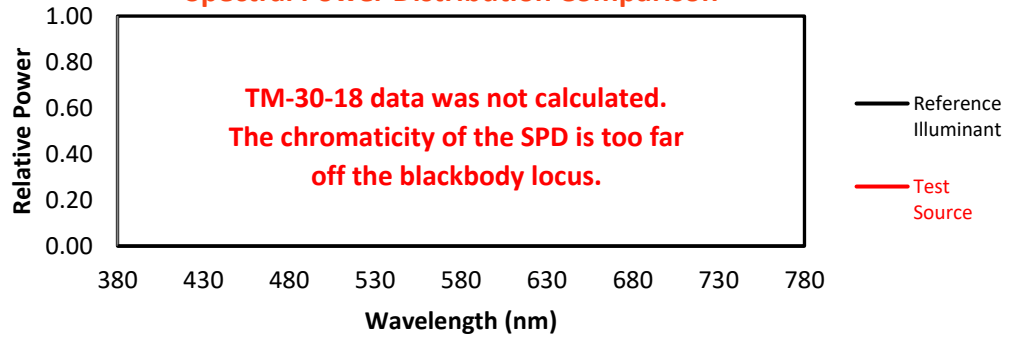
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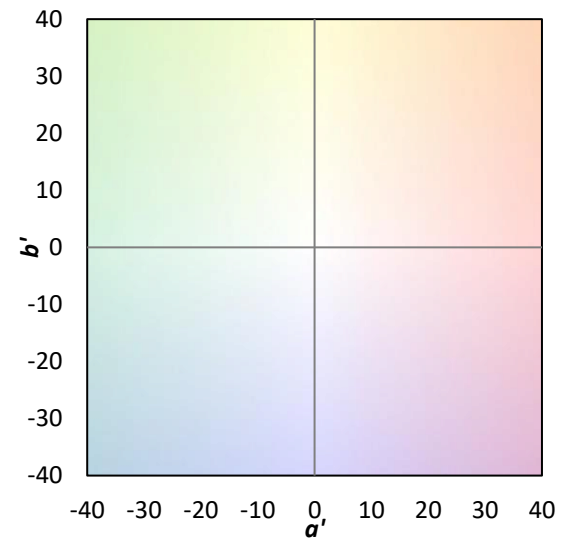
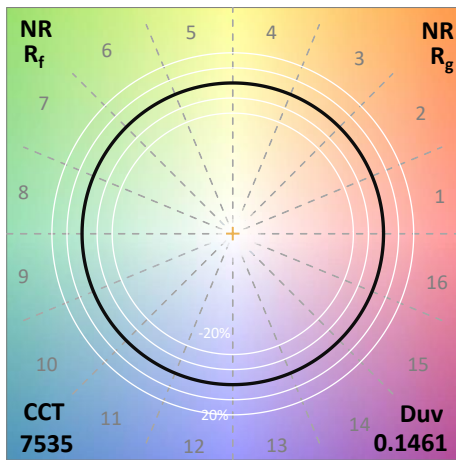
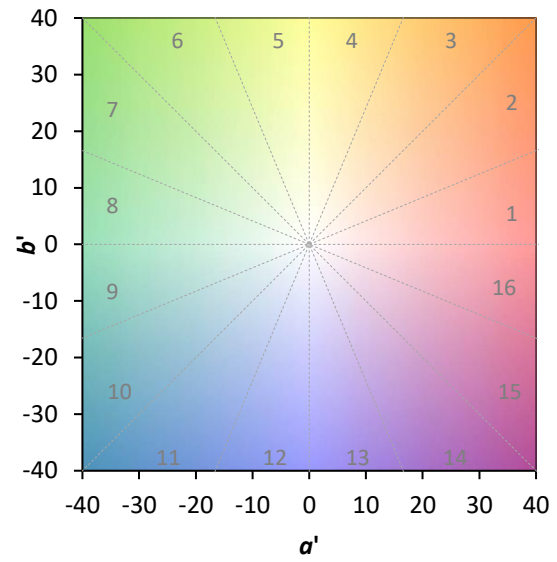
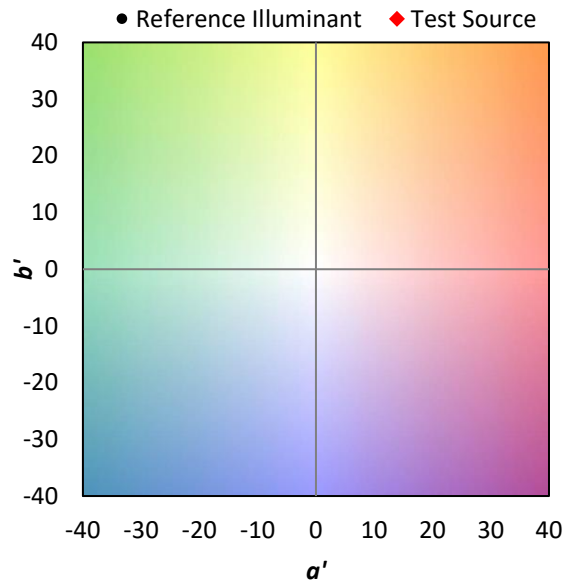
Summary

$R_f = 0$
 $R_g = 0$
 $CIE R_a = -11.7$
 $R_g = -351.9$

Spectral Power Distribution Comparison



Color Vector Graphics

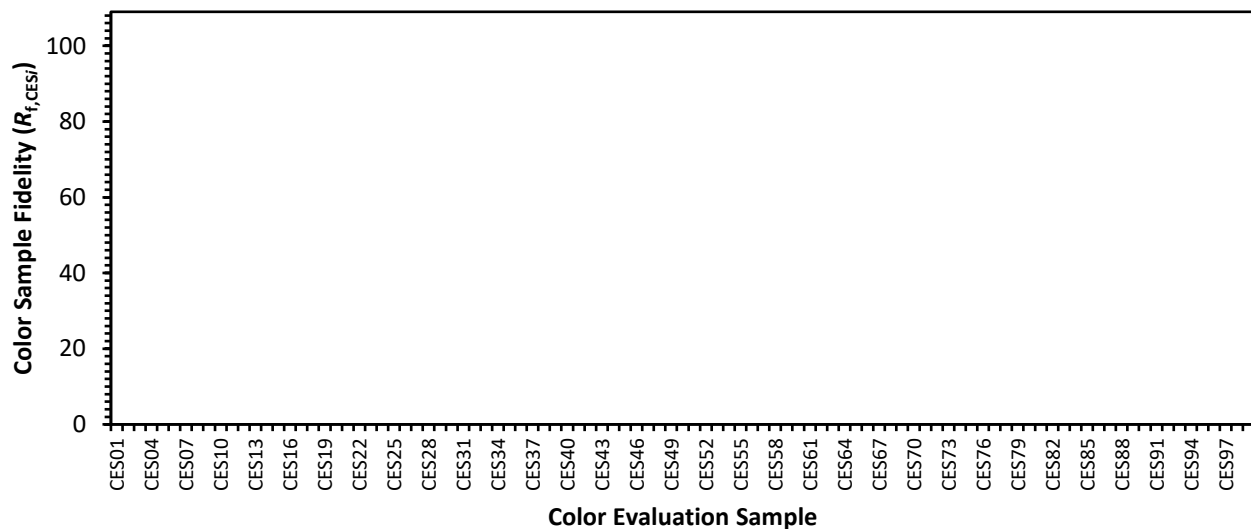


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Individual Sample Fidelity Index ($R_{f,i}$)

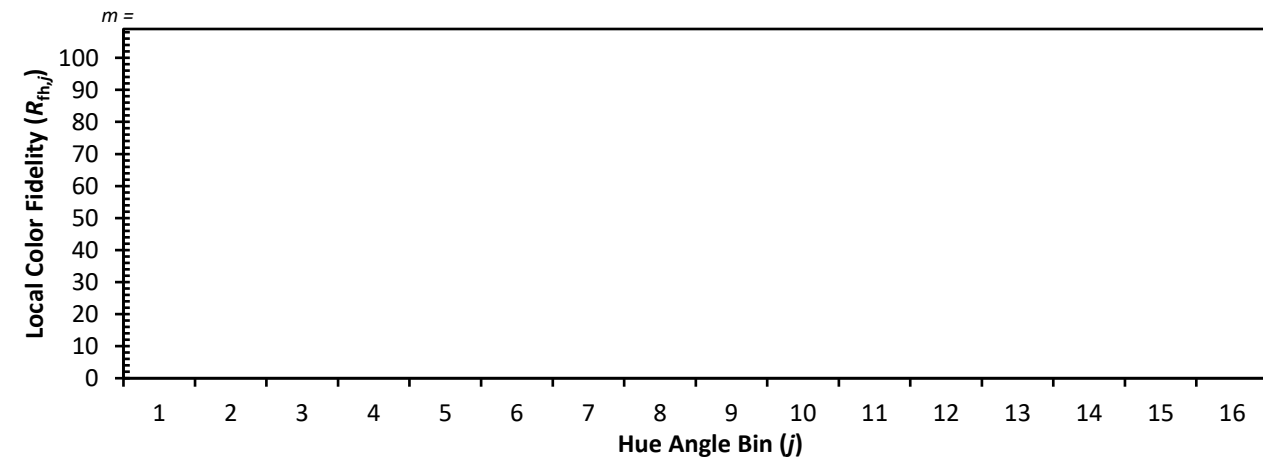
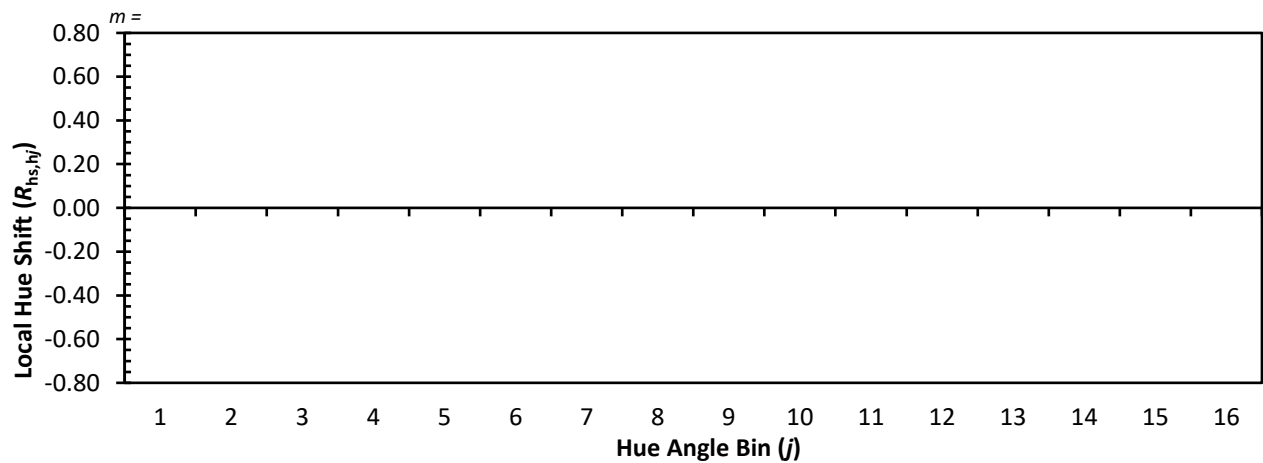
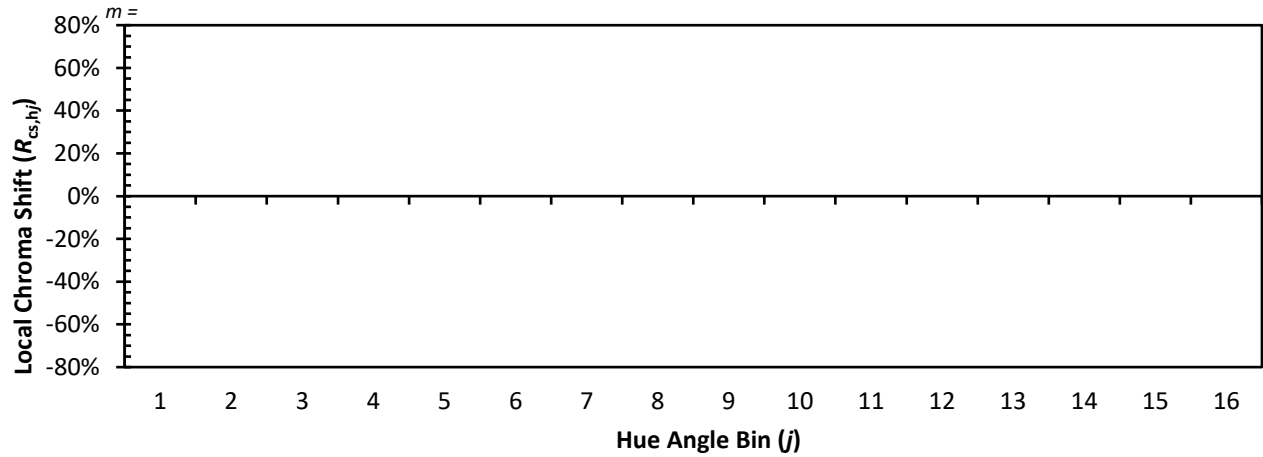
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CES02 = 0	CES27 = 0	CES52 = 0	CES77 = 0
CES03 = 0	CES28 = 0	CES53 = 0	CES78 = 0
CES04 = 0	CES29 = 0	CES54 = 0	CES79 = 0
CES05 = 0	CES30 = 0	CES55 = 0	CES80 = 0
CES06 = 0	CES31 = 0	CES56 = 0	CES81 = 0
CES07 = 0	CES32 = 0	CES57 = 0	CES82 = 0
CES08 = 0	CES33 = 0	CES58 = 0	CES83 = 0
CES09 = 0	CES34 = 0	CES59 = 0	CES84 = 0
CES10 = 0	CES35 = 0	CES60 = 0	CES85 = 0
CES11 = 0	CES36 = 0	CES61 = 0	CES86 = 0
CES12 = 0	CES37 = 0	CES62 = 0	CES87 = 0
CES13 = 0	CES38 = 0	CES63 = 0	CES88 = 0
CES14 = 0	CES39 = 0	CES64 = 0	CES89 = 0
CES15 = 0	CES40 = 0	CES65 = 0	CES90 = 0
CES16 = 0	CES41 = 0	CES66 = 0	CES91 = 0
CES17 = 0	CES42 = 0	CES67 = 0	CES92 = 0
CES18 = 0	CES43 = 0	CES68 = 0	CES93 = 0
CES19 = 0	CES44 = 0	CES69 = 0	CES94 = 0
CES20 = 0	CES45 = 0	CES70 = 0	CES95 = 0
CES21 = 0	CES46 = 0	CES71 = 0	CES96 = 0
CES22 = 0	CES47 = 0	CES72 = 0	CES97 = 0
CES23 = 0	CES48 = 0	CES73 = 0	CES98 = 0
CES24 = 0	CES49 = 0	CES74 = 0	CES99 = 0
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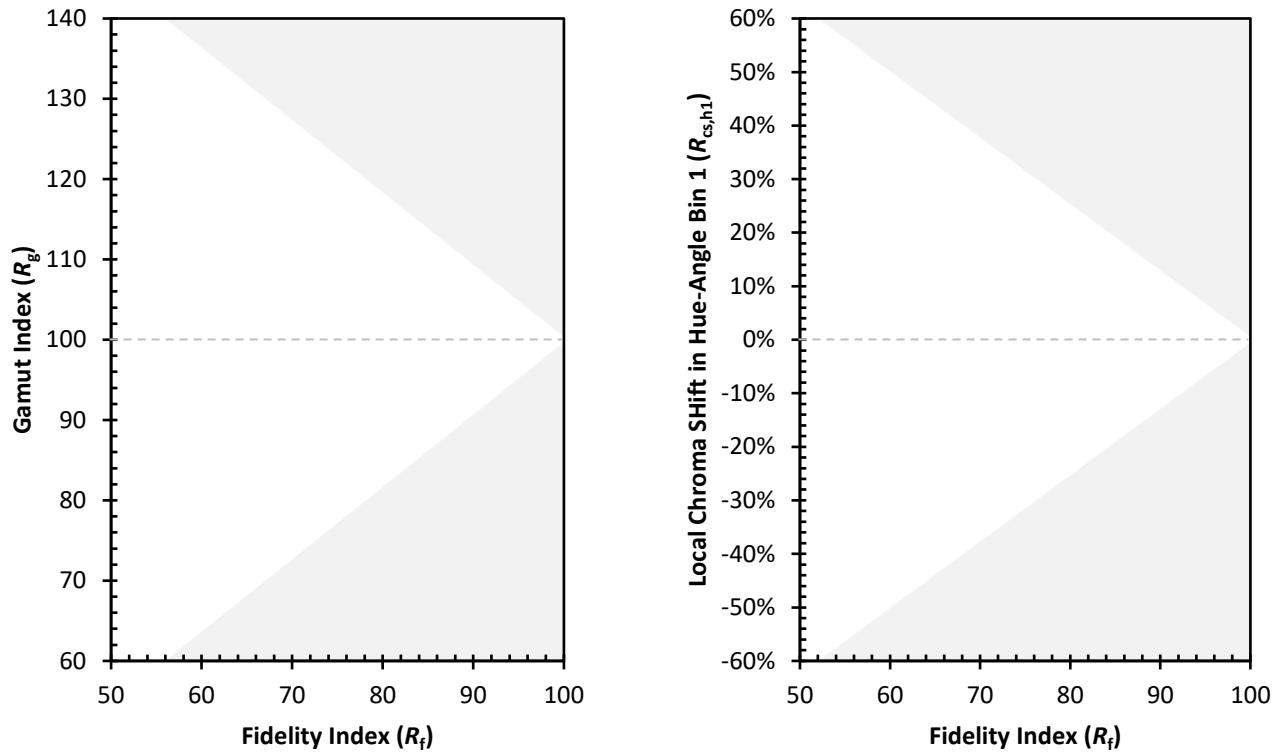
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)