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: P1357338

Luminaire Tested: 6ASL4-20HE-2-R63-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:	P1357338
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2511-597-7)
Test Lab:	INNOVATION CENTER
Issue Date:	2/17/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	FAIL-SAFE
Catalog Number:	6ASL4-20HE-2-R63-UNV
Description:	6FT 2000 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND R63 LEDS 2 ROW
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3182.0 lumens
Efficiency:	N/A
Efficacy:	40.0 lumens/watt
Spacing Criteria (0/90/45):	1.21 / 1.3 / 1.4
Luminous Opening:	Rectangular w/ Sides (W: 0.33' x L: 5.98' x H: 0.1')
CIE Type:	Direct

Input Watts (W):	79.5
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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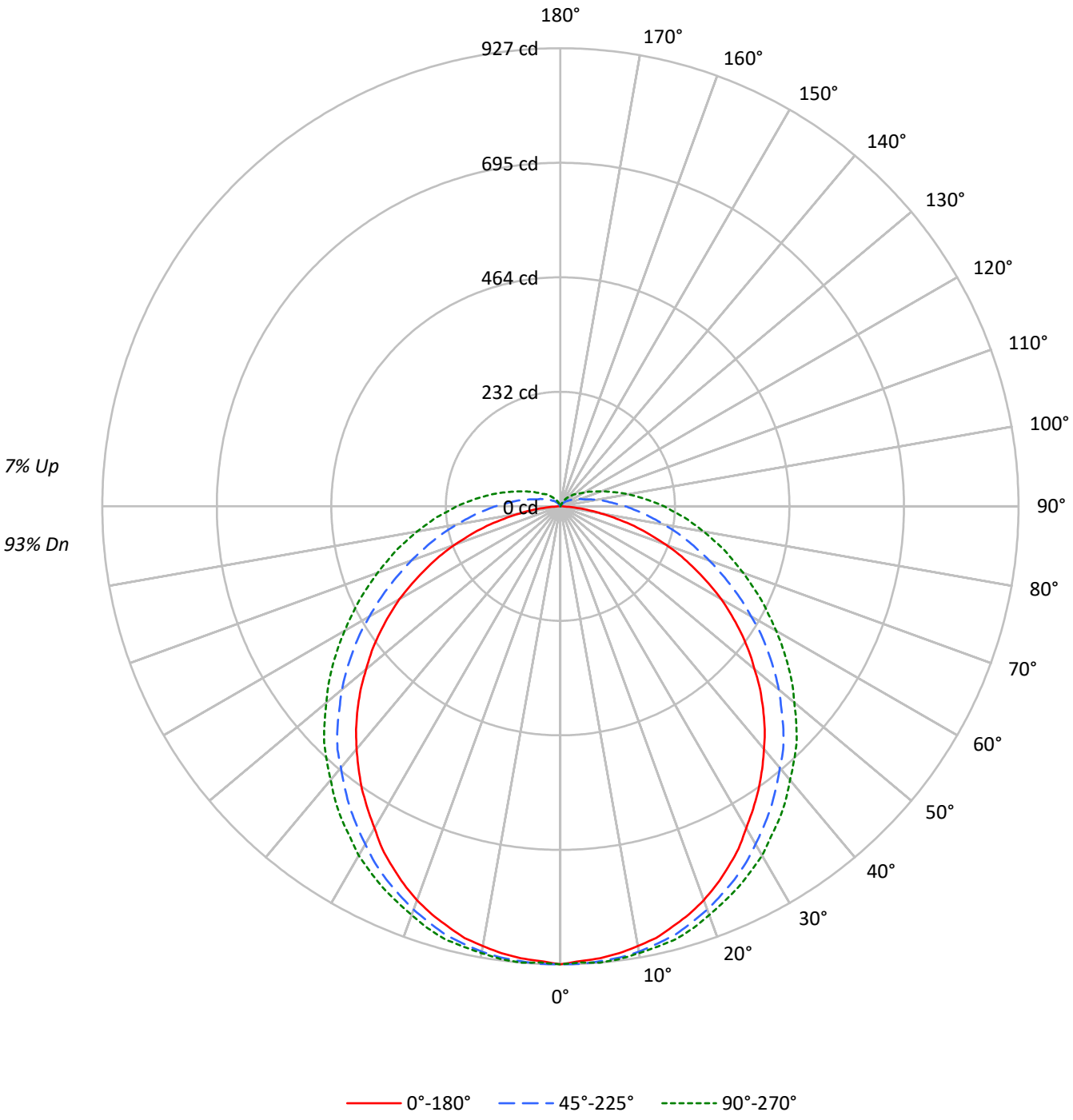
Luminous Intensity Polar Plot



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TEST NUMBER: P1357338
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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	95	95	95	93
1	105	100	95	90	102	97	92	88	91	87	84	86	83	80	81	79	77	74
2	95	86	79	72	92	84	77	71	79	73	68	74	70	65	70	66	63	60
3	86	75	66	59	83	73	65	58	69	62	56	65	59	55	62	57	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	42
5	72	59	50	43	70	57	49	42	54	47	41	52	45	40	49	43	39	36
6	67	53	44	37	64	52	43	37	49	41	36	47	40	35	44	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	34	29	41	33	28	39	32	28	37	31	27	25
9	54	40	32	26	52	39	31	26	37	30	25	36	29	25	34	29	24	22
10	50	37	29	24	49	36	28	23	35	28	23	33	27	22	32	26	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5006	5006	5006
5°	4970	4909	4891
10°	4940	4821	4772
15°	4899	4724	4677
20°	4844	4601	4542
25°	4755	4480	4427
30°	4643	4341	4312
35°	4556	4213	4178
40°	4455	4073	4038
45°	4354	3953	3935
50°	4223	3794	3783
55°	4098	3623	3662
60°	3942	3431	3534
65°	3698	3252	3435
70°	3425	3085	3343
75°	3027	2958	3313
80°	2392	2849	3303
85°	1504	2858	3398

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 4354 cd/sqm

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CATALOG NUMBER: 6ASL4-20HE-2-R63-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.9	2.8
10°-20°	252.7	7.9
20°-30°	382.9	12.0
30°-40°	463.1	14.6
40°-50°	488.2	15.3
50°-60°	455.6	14.3
60°-70°	376.2	11.8
70°-80°	272.9	8.6
80°-90°	172.4	5.4
90°-100°	102.9	3.2
100°-110°	59.0	1.9
110°-120°	33.5	1.1
120°-130°	19.1	0.6
130°-140°	10.3	0.3
140°-150°	4.5	0.1
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	723.4	22.7
0°-40°	1186.5	37.3
0°-60°	2130.3	66.9
0°-90°	2951.8	92.8
90°-120°	195.4	6.1
90°-150°	229.4	7.2
90°-180°	230.0	7.2
0°-180°	3182.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	927	927	927	927	927	
5°	918	927	924	924	927	87
15°	880	892	898	901	906	248
25°	804	816	834	845	851	371
35°	700	717	743	764	772	437
45°	580	603	638	665	676	447
55°	446	472	513	548	562	399
65°	300	332	382	428	449	298
75°	154	195	265	321	344	162
85°	29	90	169	227	251	36
90°	0	55	131	186	210	1
95°	0	35	99	152	172	0
105°	0	12	55	96	111	0
115°	0	6	32	58	70	0
125°	0	3	20	38	44	0
135°	0	0	12	23	29	0
145°	0	0	6	15	18	0
155°	0	0	0	3	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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CATALOG NUMBER: 6ASL4-20HE-2-R63-UNV

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	926.9	926.9	926.9	926.9	926.9
2.5°	921.1	929.8	926.9	924.0	924.0
5°	918.1	926.9	924.0	924.0	926.9
7.5°	912.3	921.1	921.1	921.1	924.0
10°	903.6	915.2	915.2	915.2	918.1
12.5°	894.8	903.6	906.5	909.4	912.3
15°	880.2	891.9	897.7	900.7	906.5
17.5°	865.7	874.4	883.2	891.9	894.8
20°	848.2	859.8	868.6	877.3	880.2
22.5°	827.8	839.4	851.1	859.8	865.7
25°	804.5	816.1	833.6	845.3	851.1
27.5°	781.1	792.8	813.2	827.8	833.6
30°	752.0	769.5	789.9	807.4	816.1
32.5°	725.8	743.3	766.6	787.0	792.8
35°	699.5	717.0	743.3	763.7	772.4
37.5°	670.4	690.8	717.0	740.3	749.1
40°	641.2	661.6	690.8	717.0	722.9
42.5°	612.1	632.5	667.5	690.8	699.5
45°	580.0	603.3	638.3	664.6	676.2
47.5°	548.0	571.3	606.3	635.4	647.1
50°	513.0	539.2	577.1	606.3	617.9
52.5°	480.9	507.2	545.1	577.1	591.7
55°	446.0	472.2	513.0	548.0	562.5
57.5°	411.0	437.2	480.9	518.8	533.4
60°	376.0	402.2	446.0	489.7	504.2
62.5°	338.1	367.3	413.9	457.6	475.1
65°	300.2	332.3	381.8	428.5	448.9
67.5°	265.2	297.3	349.8	402.2	419.7
70°	227.3	262.3	320.6	373.1	393.5
72.5°	189.5	227.3	291.5	346.9	367.3
75°	154.5	195.3	265.2	320.6	343.9
77.5°	116.6	166.1	239.0	297.3	317.7
80°	84.5	137.0	212.8	274.0	294.4
82.5°	55.4	110.8	189.5	250.7	271.1
85°	29.1	90.4	169.1	227.3	250.7
87.5°	8.7	70.0	148.7	206.9	227.3
90°	0.0	55.4	131.2	186.5	209.9
92.5°	0.0	43.7	113.7	169.1	189.5
95°	0.0	35.0	99.1	151.6	172.0
97.5°	0.0	29.1	87.4	137.0	154.5
100°	0.0	23.3	75.8	122.4	139.9
102.5°	0.0	17.5	64.1	107.8	125.3
105°	0.0	11.7	55.4	96.2	110.8
107.5°	0.0	8.7	46.6	84.5	99.1
110°	0.0	8.7	43.7	72.9	87.4

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	*5.8*	37.9	67.0	78.7
115°	0.0	*5.8*	32.1	58.3	70.0
117.5°	0.0	*5.8*	29.1	52.5	64.1
120°	0.0	*5.8*	26.2	46.6	55.4
122.5°	0.0	*2.9*	23.3	40.8	49.6
125°	0.0	*2.9*	20.4	37.9	43.7
127.5°	0.0	*2.9*	17.5	35.0	40.8
130°	0.0	*2.9*	17.5	32.1	37.9
132.5°	0.0	*0.0*	14.6	29.1	35.0
135°	0.0	*0.0*	11.7	23.3	29.1
137.5°	0.0	*0.0*	11.7	20.4	26.2
140°	0.0	*0.0*	8.7	20.4	23.3
142.5°	0.0	*0.0*	5.8	17.5	20.4
145°	0.0	*0.0*	5.8	14.6	17.5
147.5°	0.0	*0.0*	2.9	11.7	14.6
150°	0.0	*0.0*	2.9	8.7	11.7
152.5°	0.0	*0.0*	0.0	5.8	8.7
155°	0.0	*0.0*	0.0	2.9	5.8
157.5°	0.0	*0.0*	0.0	0.0	2.9
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	14.92	16.45	15.39	16.91	17.40	17.01	18.54	17.48	19.00	19.49
	3H	16.42	17.82	16.90	18.29	18.82	19.47	20.87	19.95	21.34	21.87
	4H	16.90	18.23	17.41	18.71	19.26	20.69	22.02	21.20	22.51	23.05
	6H	17.17	18.41	17.69	18.91	19.47	21.98	23.22	22.50	23.72	24.28
	8H	17.23	18.41	17.76	18.94	19.50	22.65	23.84	23.19	24.36	24.93
	12H	17.24	18.38	17.78	18.90	19.49	23.41	24.54	23.95	25.06	25.66
4H	2H	15.80	17.13	16.31	17.62	18.16	17.43	18.76	17.94	19.25	19.79
	3H	17.55	18.68	18.06	19.21	19.77	20.13	21.26	20.65	21.79	22.36
	4H	18.15	19.19	18.69	19.73	20.33	21.52	22.56	22.06	23.10	23.70
	6H	18.55	19.47	19.11	20.04	20.65	23.01	23.93	23.57	24.49	25.11
	8H	18.65	19.51	19.22	20.08	20.71	23.79	24.65	24.36	25.22	25.85
	12H	18.70	19.48	19.29	20.08	20.71	24.67	25.45	25.26	26.05	26.68
8H	4H	18.86	19.72	19.42	20.28	20.91	21.74	22.60	22.31	23.17	23.80
	6H	19.44	20.17	20.04	20.78	21.41	23.40	24.14	24.00	24.74	25.38
	8H	19.63	20.29	20.24	20.91	21.55	24.33	24.99	24.94	25.61	26.25
	12H	19.75	20.34	20.36	20.95	21.66	25.40	25.98	26.01	26.59	27.30
12H	4H	19.06	19.84	19.65	20.44	21.07	21.75	22.53	22.34	23.13	23.76
	6H	19.75	20.41	20.36	21.03	21.67	23.44	24.10	24.05	24.72	25.37
	8H	20.04	20.63	20.65	21.24	21.95	24.44	25.03	25.05	25.63	26.34

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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: SP1-2511-597-7

Test Date: 01/21/2026

Luminaire Tested: 4ASL-2-R630-UNV-OPL-1_600mA

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.05

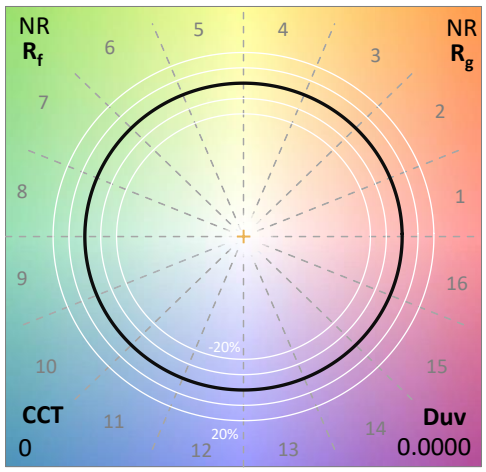
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2511-597-7
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-R630-UNV-OPL-1_600mA**
Description:	2foot 4ASL LED LUMINAIRE WITH OPL LENS AND RED 630NM LEDS with 1 rows at 600mA

Spectral Parameters

CCT (K):	0	CRI (Ra):	0.0		
CIE u':	0.5395	R1:	0.0	R9:	0.0
CIE v':	0.5190	R2:	0.0	R10:	0.0
Duv:	0.0000	R3:	0.0	R11:	0.0
CIE x:	0.7004	R4:	0.0	R12:	0.0
CIE y:	0.2995	R5:	0.0	R13:	0.0
CIE z:	0.0001	R6:	0.0	R14:	0.0
Peak Wavelength (nm):	638	R7:	0.0	R15:	0.0
Dominant Wavelength (nm):	624	R8:	0.0		
Purity:	99.9862				

Rf:	NR
Rg:	NR



Test Conditions

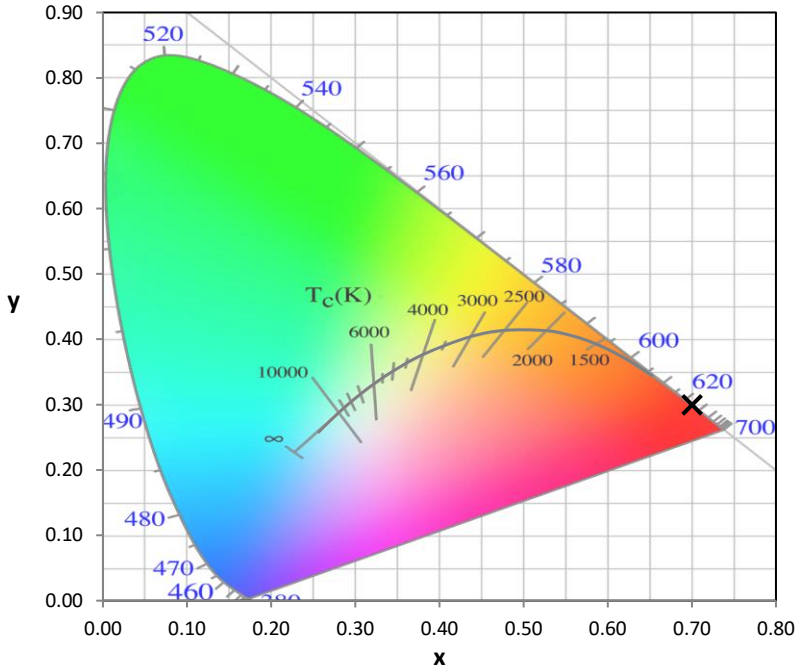
Stabilization Time:	69M
Operation Time:	2H 9M
Sphere Temperature (°C):	25.1

REPORT NUMBER: SP1-2511-597-7

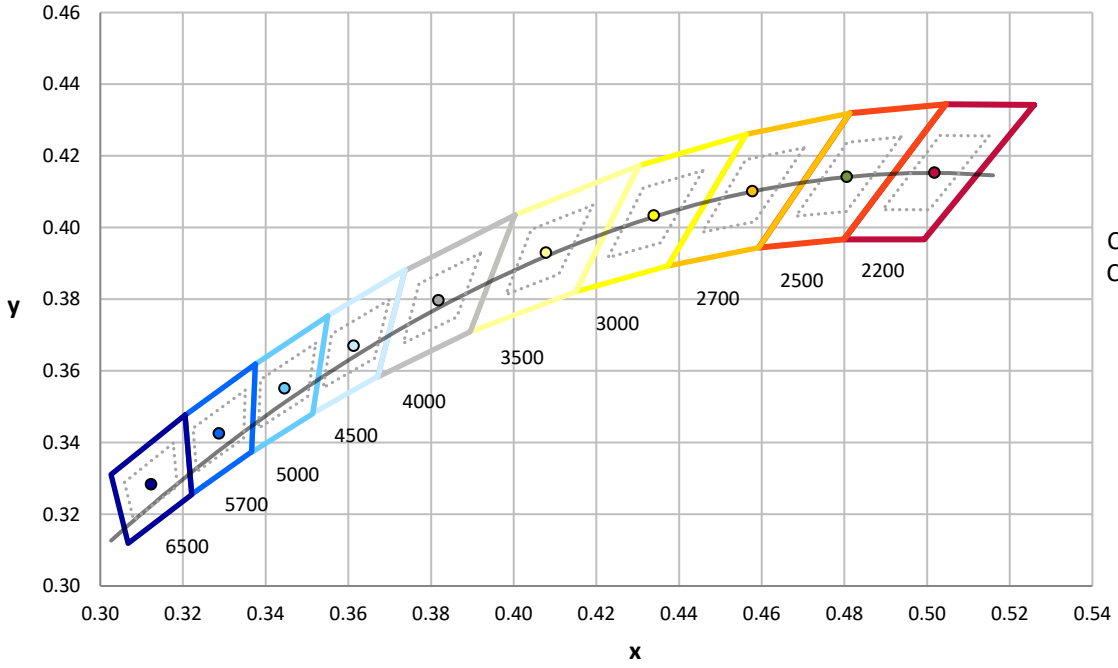
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208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

REPORT NUMBER: SP1-2511-597-7

CIE 1931 Chromaticity Diagram



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

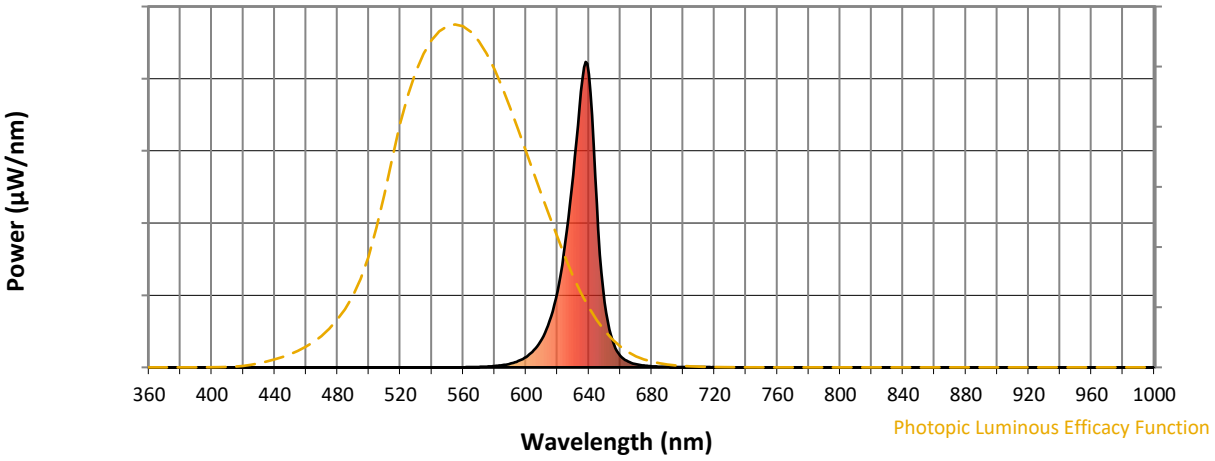


CCT = 0K
CIE x = 0.7004
CIE y = 0.2995
Duv = 0.0000

Point lies outside the range

REPORT NUMBER: SP1-2511-597-7

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	248	NR	750	0	NR	880	0	NR
365	0	NR	495	0	NR	625	409	NR	755	0	NR	885	0	NR
370	0	NR	500	0	NR	630	630	NR	760	0	NR	890	0	NR
375	0	NR	505	0	NR	635	903	NR	765	0	NR	895	0	NR
380	0	NR	510	0	NR	640	960	NR	770	0	NR	900	0	NR
385	0	NR	515	0	NR	645	535	NR	775	0	NR	905	0	NR
390	0	NR	520	0	NR	650	212	NR	780	0	NR	910	0	NR
395	0	NR	525	0	NR	655	88	NR	785	0	NR	915	0	NR
400	0	NR	530	0	NR	660	38	NR	790	0	NR	920	0	NR
405	0	NR	535	0	NR	665	19	NR	795	0	NR	925	0	NR
410	0	NR	540	0	NR	670	10	NR	800	0	NR	930	0	NR
415	0	NR	545	0	NR	675	6	NR	805	0	NR	935	0	NR
420	0	NR	550	0	NR	680	4	NR	810	0	NR	940	0	NR
425	0	NR	555	0	NR	685	2	NR	815	0	NR	945	0	NR
430	0	NR	560	0	NR	690	2	NR	820	0	NR	950	0	NR
435	0	NR	565	1	NR	695	1	NR	825	0	NR	955	0	NR
440	0	NR	570	2	NR	700	1	NR	830	0	NR	960	0	NR
445	0	NR	575	3	NR	705	1	NR	835	0	NR	965	0	NR
450	0	NR	580	4	NR	710	1	NR	840	0	NR	970	0	NR
455	0	NR	585	7	NR	715	1	NR	845	0	NR	975	0	NR
460	0	NR	590	12	NR	720	1	NR	850	0	NR	980	0	NR
465	0	NR	595	20	NR	725	0	NR	855	0	NR	985	0	NR
470	0	NR	600	34	NR	730	0	NR	860	0	NR	990	0	NR
475	0	NR	605	56	NR	735	0	NR	865	0	NR	995	0	NR
480	0	NR	610	92	NR	740	0	NR	870	0	NR	1000	0	NR
485	0	NR	615	152	NR	745	0	NR	875	0	NR			

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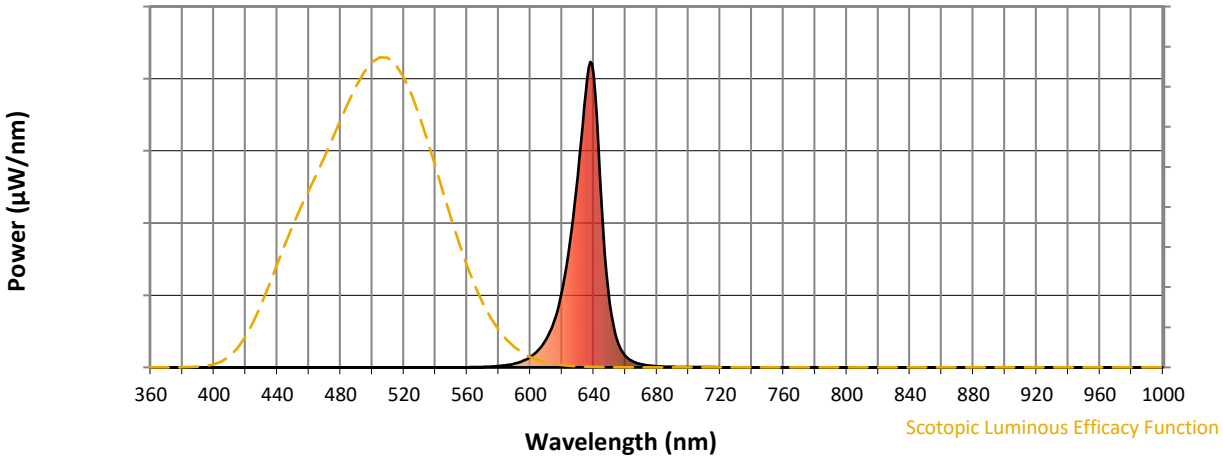
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 0.05**

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	248	NR	750	0	NR	880	0	NR
365	0	NR	495	0	NR	625	409	NR	755	0	NR	885	0	NR
370	0	NR	500	0	NR	630	630	NR	760	0	NR	890	0	NR
375	0	NR	505	0	NR	635	903	NR	765	0	NR	895	0	NR
380	0	NR	510	0	NR	640	960	NR	770	0	NR	900	0	NR
385	0	NR	515	0	NR	645	535	NR	775	0	NR	905	0	NR
390	0	NR	520	0	NR	650	212	NR	780	0	NR	910	0	NR
395	0	NR	525	0	NR	655	88	NR	785	0	NR	915	0	NR
400	0	NR	530	0	NR	660	38	NR	790	0	NR	920	0	NR
405	0	NR	535	0	NR	665	19	NR	795	0	NR	925	0	NR
410	0	NR	540	0	NR	670	10	NR	800	0	NR	930	0	NR
415	0	NR	545	0	NR	675	6	NR	805	0	NR	935	0	NR
420	0	NR	550	0	NR	680	4	NR	810	0	NR	940	0	NR
425	0	NR	555	0	NR	685	2	NR	815	0	NR	945	0	NR
430	0	NR	560	0	NR	690	2	NR	820	0	NR	950	0	NR
435	0	NR	565	1	NR	695	1	NR	825	0	NR	955	0	NR
440	0	NR	570	2	NR	700	1	NR	830	0	NR	960	0	NR
445	0	NR	575	3	NR	705	1	NR	835	0	NR	965	0	NR
450	0	NR	580	4	NR	710	1	NR	840	0	NR	970	0	NR
455	0	NR	585	7	NR	715	1	NR	845	0	NR	975	0	NR
460	0	NR	590	12	NR	720	1	NR	850	0	NR	980	0	NR
465	0	NR	595	20	NR	725	0	NR	855	0	NR	985	0	NR
470	0	NR	600	34	NR	730	0	NR	860	0	NR	990	0	NR
475	0	NR	605	56	NR	735	0	NR	865	0	NR	995	0	NR
480	0	NR	610	92	NR	740	0	NR	870	0	NR	1000	0	NR
485	0	NR	615	152	NR	745	0	NR	875	0	NR			

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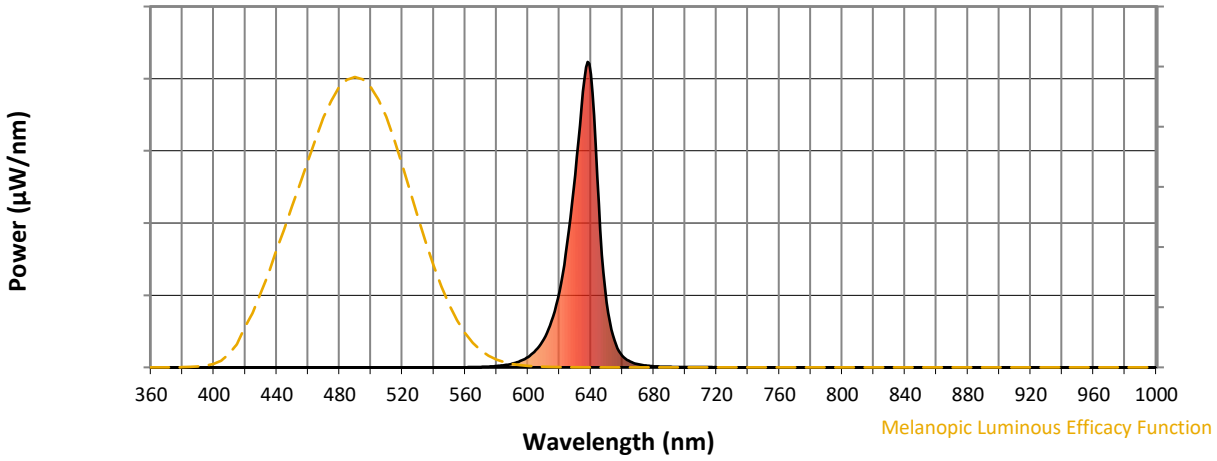
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 0.02**

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	248	NR	750	0	NR	880	0	NR
365	0	NR	495	0	NR	625	409	NR	755	0	NR	885	0	NR
370	0	NR	500	0	NR	630	630	NR	760	0	NR	890	0	NR
375	0	NR	505	0	NR	635	903	NR	765	0	NR	895	0	NR
380	0	NR	510	0	NR	640	960	NR	770	0	NR	900	0	NR
385	0	NR	515	0	NR	645	535	NR	775	0	NR	905	0	NR
390	0	NR	520	0	NR	650	212	NR	780	0	NR	910	0	NR
395	0	NR	525	0	NR	655	88	NR	785	0	NR	915	0	NR
400	0	NR	530	0	NR	660	38	NR	790	0	NR	920	0	NR
405	0	NR	535	0	NR	665	19	NR	795	0	NR	925	0	NR
410	0	NR	540	0	NR	670	10	NR	800	0	NR	930	0	NR
415	0	NR	545	0	NR	675	6	NR	805	0	NR	935	0	NR
420	0	NR	550	0	NR	680	4	NR	810	0	NR	940	0	NR
425	0	NR	555	0	NR	685	2	NR	815	0	NR	945	0	NR
430	0	NR	560	0	NR	690	2	NR	820	0	NR	950	0	NR
435	0	NR	565	1	NR	695	1	NR	825	0	NR	955	0	NR
440	0	NR	570	2	NR	700	1	NR	830	0	NR	960	0	NR
445	0	NR	575	3	NR	705	1	NR	835	0	NR	965	0	NR
450	0	NR	580	4	NR	710	1	NR	840	0	NR	970	0	NR
455	0	NR	585	7	NR	715	1	NR	845	0	NR	975	0	NR
460	0	NR	590	12	NR	720	1	NR	850	0	NR	980	0	NR
465	0	NR	595	20	NR	725	0	NR	855	0	NR	985	0	NR
470	0	NR	600	34	NR	730	0	NR	860	0	NR	990	0	NR
475	0	NR	605	56	NR	735	0	NR	865	0	NR	995	0	NR
480	0	NR	610	92	NR	740	0	NR	870	0	NR	1000	0	NR
485	0	NR	615	152	NR	745	0	NR	875	0	NR			

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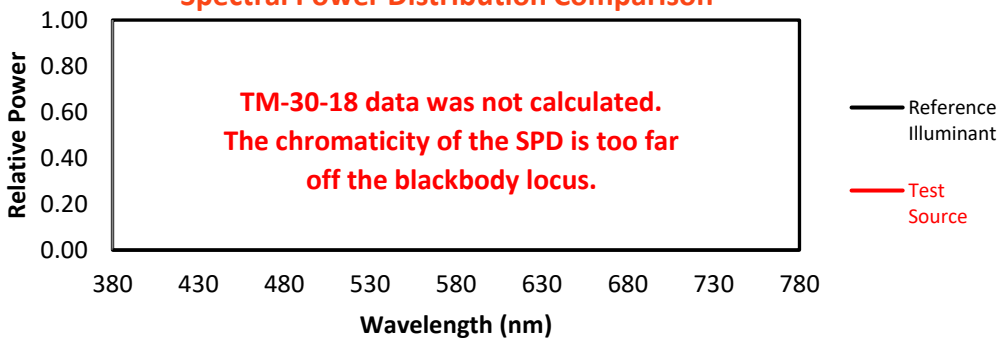
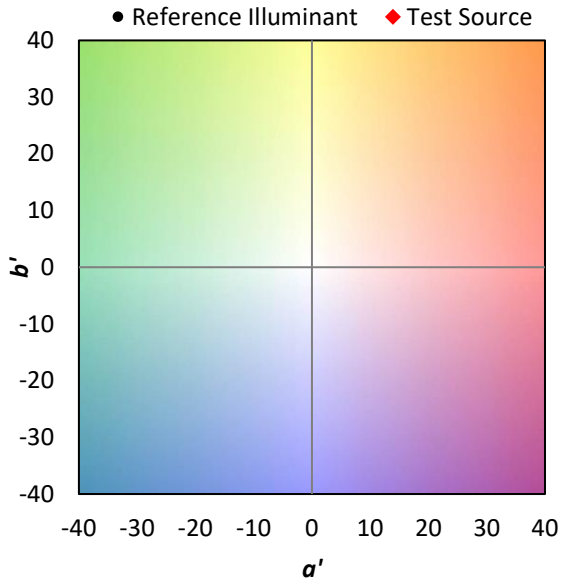
Summary

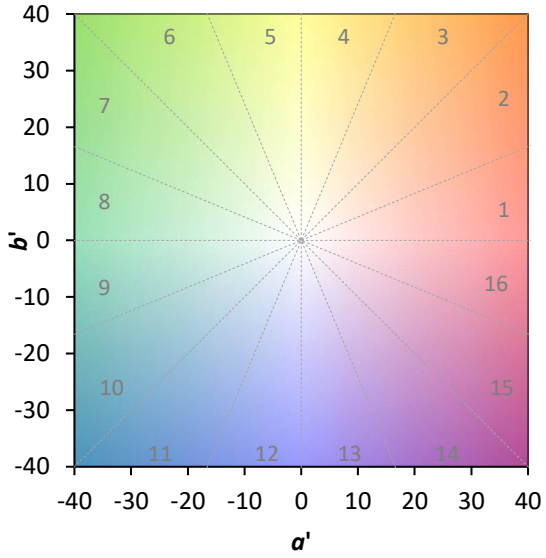
R_f = 0
R_g = 0
CIE R_a = 0.0
R_9 = 0.0

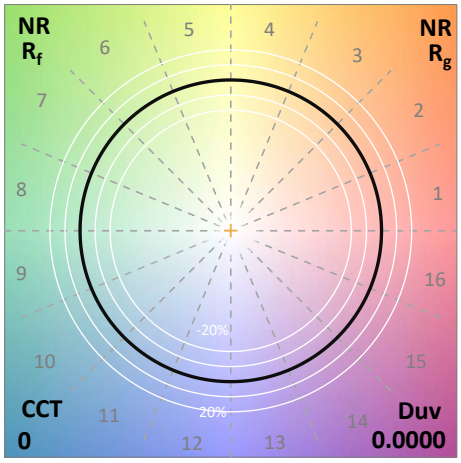
Spectral Power Distribution Comparison

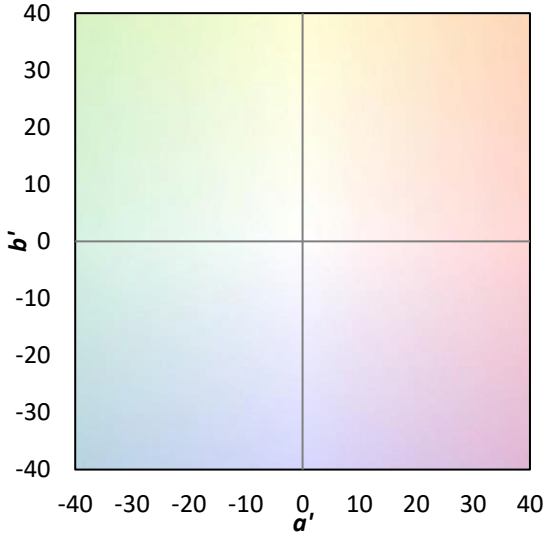


Color Vector Graphics









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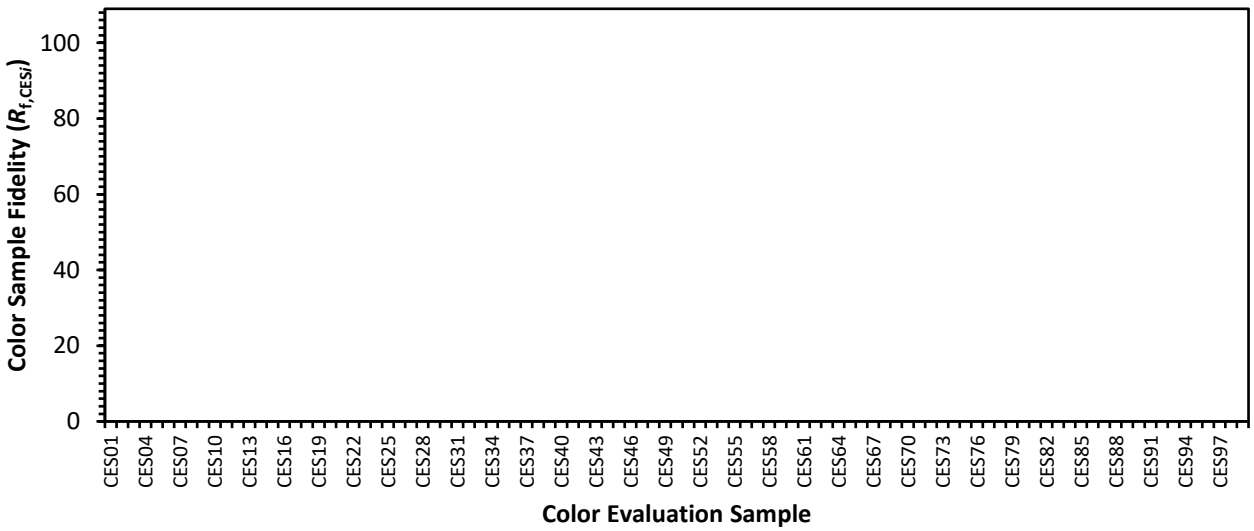
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 0	CES26 = 0	CES51 = 0	CES76 = 0
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
CES25 = 0	CES50 = 0	CES75 = 0	



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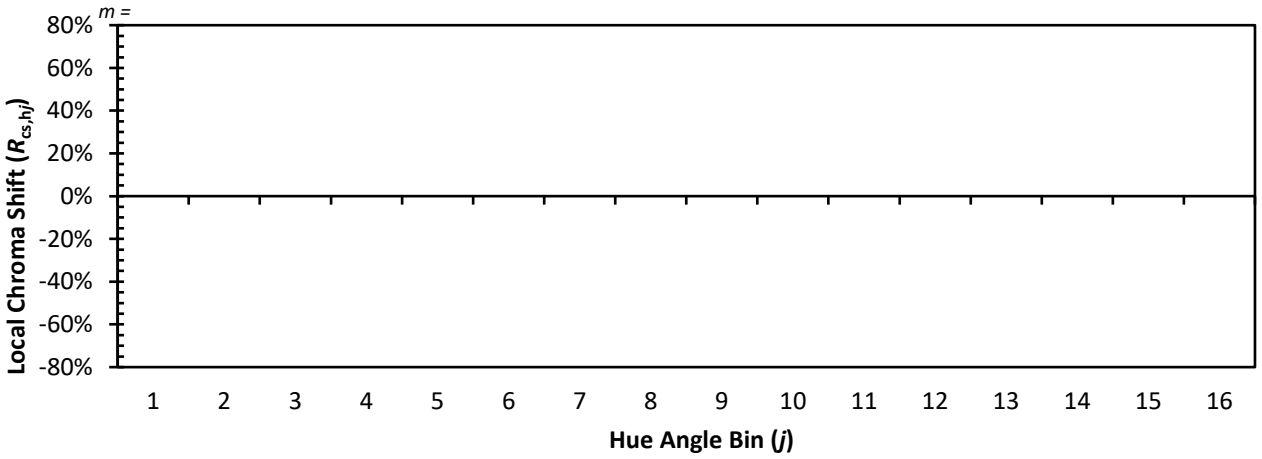
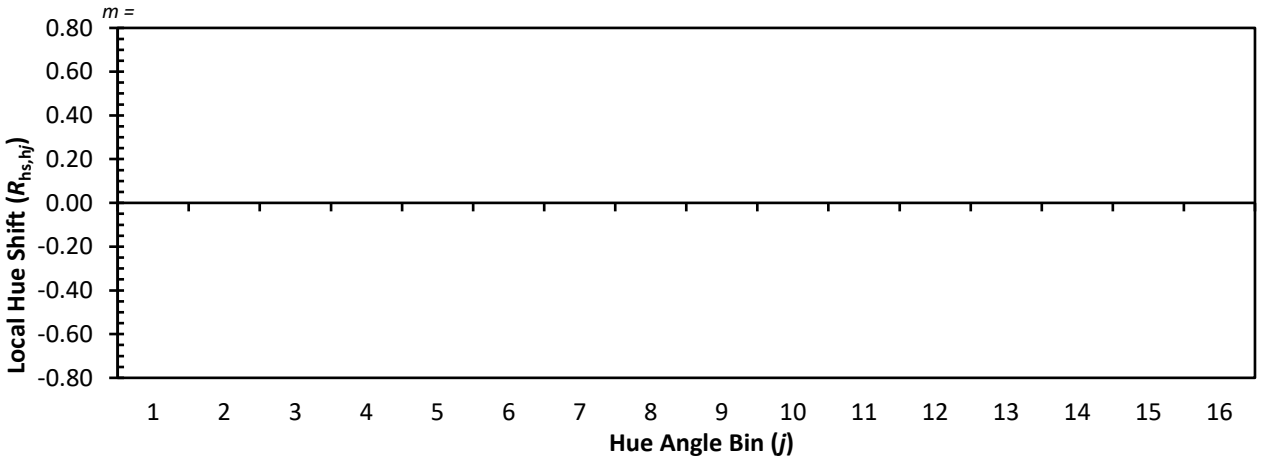
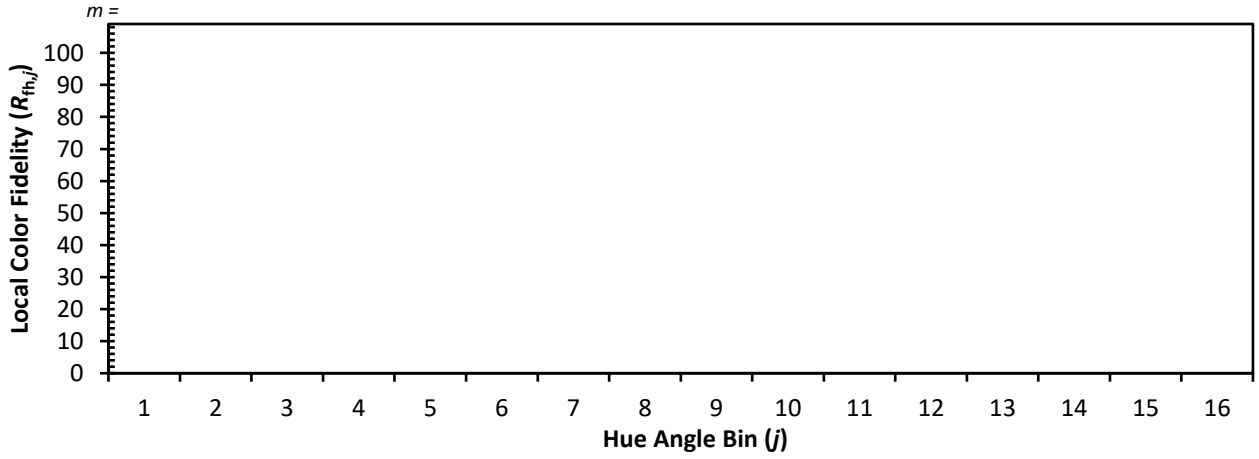
Color Rendition by Hue-Angle Bin







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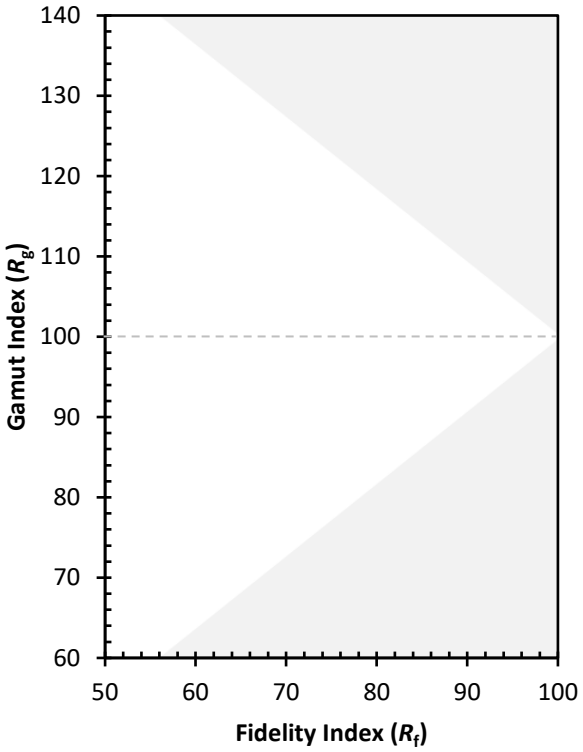
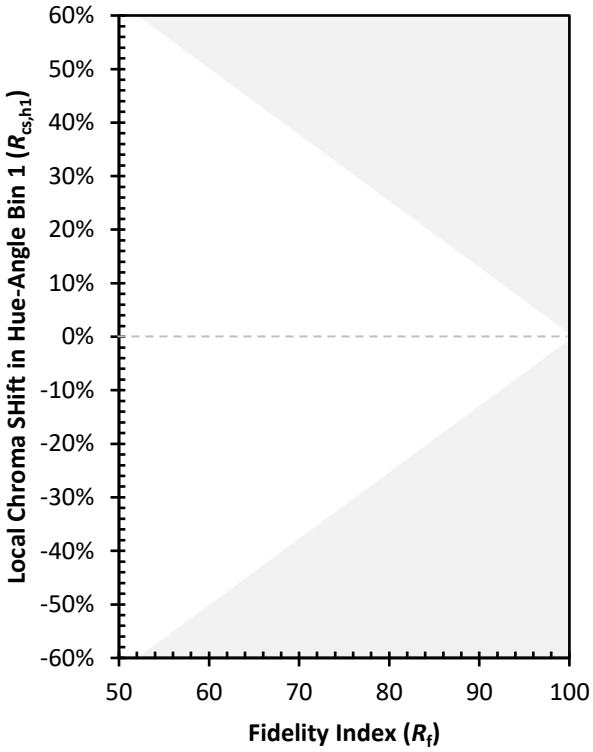
Measure Comparisons





(END OF REPORT)