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: P1357302

Luminaire Tested: 6ASL4-10HE-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:	P1357302
	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:	6ASL4-10HE-2-R63-UNV
Description:	6FT 1000 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:	1595.0 lumens
Efficiency:	N/A
Efficacy:	43.2 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):	36.9
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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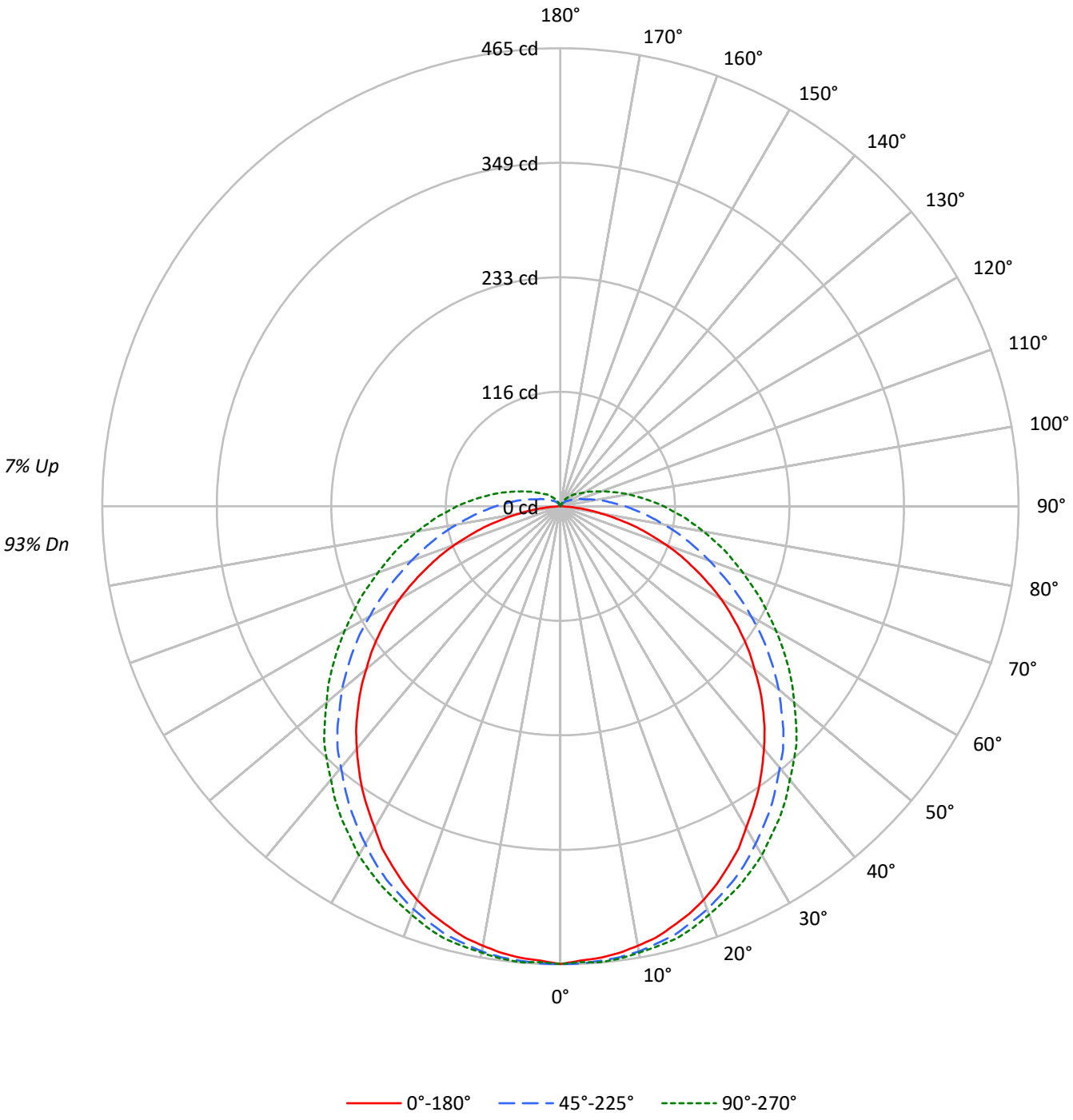
Scaled Data Report

TEST NUMBER: P1357302
CATALOG NUMBER: 6ASL4-10HE-2-R63-UNV

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	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°	2509	2509	2509
5°	2491	2460	2452
10°	2476	2417	2392
15°	2455	2368	2344
20°	2428	2307	2277
25°	2383	2246	2219
30°	2327	2176	2161
35°	2284	2112	2095
40°	2233	2042	2024
45°	2182	1982	1973
50°	2116	1902	1896
55°	2053	1816	1836
60°	1976	1719	1772
65°	1854	1630	1722
70°	1718	1546	1675
75°	1517	1484	1661
80°	1200	1429	1656
85°	754	1431	1702

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2182 cd/sqm

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CATALOG NUMBER: 6ASL4-10HE-2-R63-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.1	2.8
10°-20°	126.7	7.9
20°-30°	191.9	12.0
30°-40°	232.1	14.6
40°-50°	244.7	15.3
50°-60°	228.4	14.3
60°-70°	188.6	11.8
70°-80°	136.8	8.6
80°-90°	86.4	5.4
90°-100°	51.6	3.2
100°-110°	29.6	1.9
110°-120°	16.8	1.1
120°-130°	9.6	0.6
130°-140°	5.2	0.3
140°-150°	2.3	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	362.6	22.7
0°-40°	594.7	37.3
0°-60°	1067.8	66.9
0°-90°	1479.6	92.8
90°-120°	98.0	6.1
90°-150°	115.0	7.2
90°-180°	115.0	7.2
0°-180°	1595.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	465	465	465	465	465	
5°	460	465	463	463	465	44
15°	441	447	450	452	454	125
25°	403	409	418	424	427	186
35°	351	359	373	383	387	219
45°	291	302	320	333	339	224
55°	224	237	257	275	282	200
65°	150	167	191	215	225	149
75°	77	98	133	161	172	81
85°	15	45	85	114	126	18
90°	0	28	66	94	105	1
95°	0	18	50	76	86	0
105°	0	6	28	48	56	0
115°	0	3	16	29	35	0
125°	0	2	10	19	22	0
135°	0	0	6	12	15	0
145°	0	0	3	7	9	0
155°	0	0	0	2	3	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°	464.6	464.6	464.6	464.6	464.6
2.5°	461.7	466.1	464.6	463.1	463.1
5°	460.2	464.6	463.1	463.1	464.6
7.5°	457.3	461.7	461.7	461.7	463.1
10°	452.9	458.8	458.8	458.8	460.2
12.5°	448.5	452.9	454.4	455.8	457.3
15°	441.2	447.1	450.0	451.5	454.4
17.5°	433.9	438.3	442.7	447.1	448.5
20°	425.2	431.0	435.4	439.8	441.2
22.5°	414.9	420.8	426.6	431.0	433.9
25°	403.2	409.1	417.9	423.7	426.6
27.5°	391.6	397.4	407.6	414.9	417.9
30°	376.9	385.7	395.9	404.7	409.1
32.5°	363.8	372.6	384.3	394.5	397.4
35°	350.6	359.4	372.6	382.8	387.2
37.5°	336.0	346.3	359.4	371.1	375.5
40°	321.4	331.7	346.3	359.4	362.3
42.5°	306.8	317.0	334.6	346.3	350.6
45°	290.7	302.4	320.0	333.1	339.0
47.5°	274.7	286.4	303.9	318.5	324.3
50°	257.1	270.3	289.3	303.9	309.7
52.5°	241.1	254.2	273.2	289.3	296.6
55°	223.5	236.7	257.1	274.7	282.0
57.5°	206.0	219.2	241.1	260.1	267.4
60°	188.5	201.6	223.5	245.5	252.8
62.5°	169.5	184.1	207.5	229.4	238.1
65°	150.5	166.6	191.4	214.8	225.0
67.5°	133.0	149.0	175.3	201.6	210.4
70°	114.0	131.5	160.7	187.0	197.2
72.5°	95.0	114.0	146.1	173.9	184.1
75°	77.4	97.9	133.0	160.7	172.4
77.5°	58.4	83.3	119.8	149.0	159.3
80°	42.4	68.7	106.7	137.3	147.6
82.5°	27.8	55.5	95.0	125.6	135.9
85°	14.6	45.3	84.7	114.0	125.6
87.5°	4.4	35.1	74.5	103.7	114.0
90°	0.0	27.8	65.7	93.5	105.2
92.5°	0.0	21.9	57.0	84.7	95.0
95°	0.0	17.5	49.7	76.0	86.2
97.5°	0.0	14.6	43.8	68.7	77.4
100°	0.0	11.7	38.0	61.4	70.1
102.5°	0.0	8.8	32.1	54.1	62.8
105°	0.0	5.8	27.8	48.2	55.5
107.5°	0.0	4.4	23.4	42.4	49.7
110°	0.0	4.4	21.9	36.5	43.8

TEST NUMBER: P1357302
CATALOG NUMBER: 6ASL4-10HE-2-R63-UNV

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	*2.9*	19.0	33.6	39.4
115°	0.0	*2.9*	16.1	29.2	35.1
117.5°	0.0	*2.9*	14.6	26.3	32.1
120°	0.0	*2.9*	13.1	23.4	27.8
122.5°	0.0	*1.5*	11.7	20.5	24.8
125°	0.0	*1.5*	10.2	19.0	21.9
127.5°	0.0	*1.5*	8.8	17.5	20.5
130°	0.0	*1.5*	8.8	16.1	19.0
132.5°	0.0	*0.0*	7.3	14.6	17.5
135°	0.0	*0.0*	5.8	11.7	14.6
137.5°	0.0	*0.0*	5.8	10.2	13.1
140°	0.0	*0.0*	4.4	10.2	11.7
142.5°	0.0	*0.0*	2.9	8.8	10.2
145°	0.0	*0.0*	2.9	7.3	8.8
147.5°	0.0	*0.0*	1.5	5.8	7.3
150°	0.0	*0.0*	1.5	4.4	5.8
152.5°	0.0	*0.0*	0.0	2.9	4.4
155°	0.0	*0.0*	0.0	1.5	2.9
157.5°	0.0	*0.0*	0.0	0.0	1.5
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	12.52	14.05	12.99	14.52	15.01	14.61	16.14	15.08	16.60	17.09
	3H	14.02	15.42	14.51	15.89	16.42	17.07	18.47	17.56	18.94	19.47
	4H	14.50	15.83	15.01	16.32	16.86	18.29	19.62	18.80	20.11	20.65
	6H	14.78	16.01	15.29	16.51	17.07	19.58	20.82	20.10	21.32	21.88
	8H	14.83	16.01	15.36	16.54	17.11	20.25	21.44	20.79	21.96	22.53
	12H	14.84	15.98	15.38	16.50	17.10	21.01	22.14	21.55	22.66	23.26
4H	2H	13.40	14.73	13.91	15.22	15.76	15.04	16.36	15.54	16.85	17.40
	3H	15.15	16.28	15.67	16.81	17.38	17.73	18.86	18.25	19.39	19.96
	4H	15.75	16.79	16.29	17.33	17.93	19.12	20.16	19.66	20.70	21.30
	6H	16.16	17.07	16.71	17.64	18.25	20.61	21.53	21.17	22.09	22.71
	8H	16.25	17.12	16.82	17.68	18.31	21.39	22.25	21.96	22.82	23.45
	12H	16.30	17.08	16.89	17.68	18.31	22.27	23.05	22.86	23.65	24.28
8H	4H	16.46	17.32	17.02	17.88	18.51	19.34	20.21	19.91	20.77	21.40
	6H	17.04	17.77	17.64	18.38	19.01	21.00	21.74	21.60	22.34	22.98
	8H	17.23	17.89	17.84	18.51	19.15	21.93	22.59	22.54	23.21	23.85
	12H	17.35	17.94	17.96	18.55	19.26	23.00	23.58	23.61	24.19	24.90
12H	4H	16.66	17.44	17.25	18.04	18.67	19.35	20.13	19.94	20.73	21.36
	6H	17.35	18.01	17.96	18.63	19.28	21.04	21.70	21.65	22.32	22.97
	8H	17.64	18.23	18.25	18.84	19.55	22.04	22.63	22.65	23.24	23.95

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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

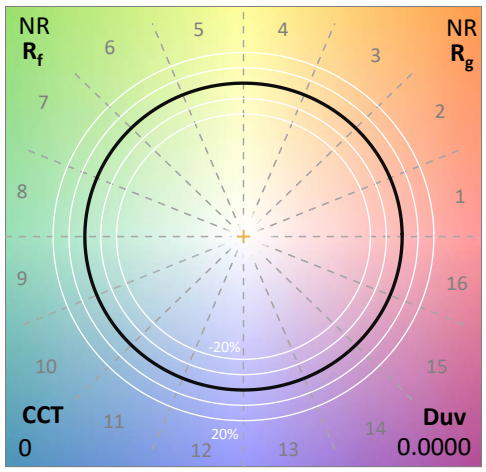
Test Information

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

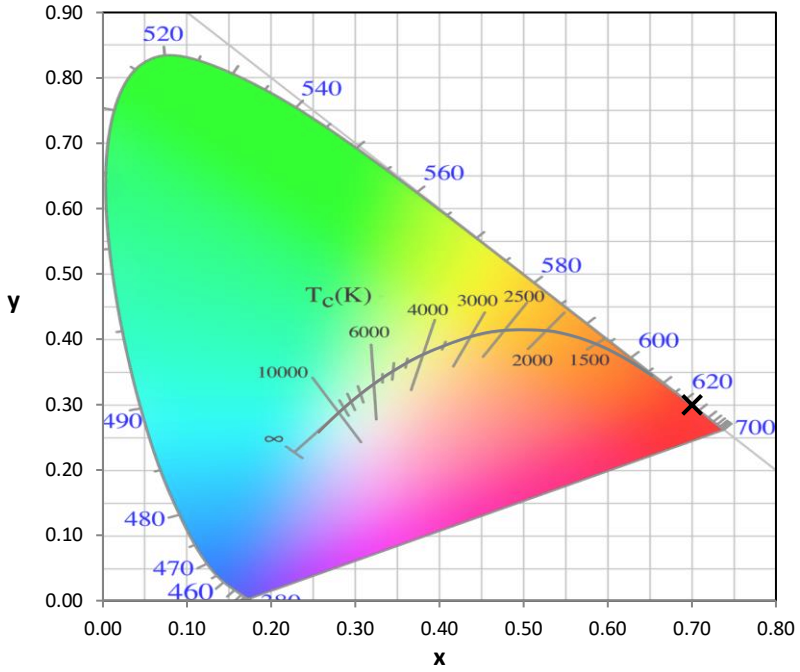
Stabilization Time:	69M
Operation Time:	2H 9M
Sphere Temperature (°C):	25.1

REPORT NUMBER: SP1-2511-597-7

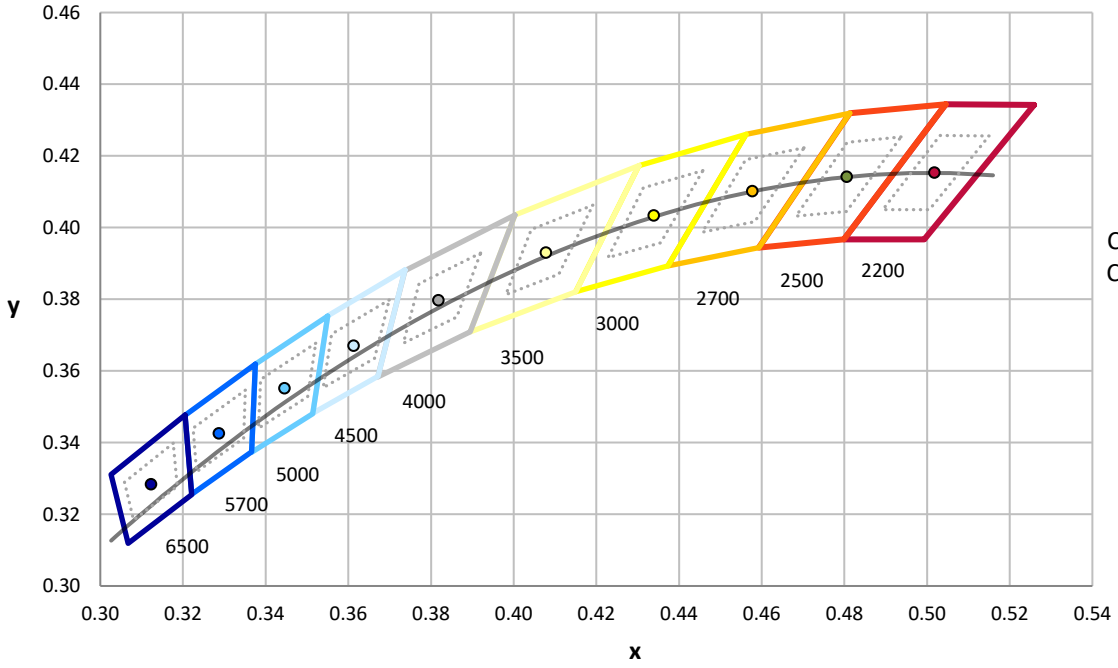
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208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

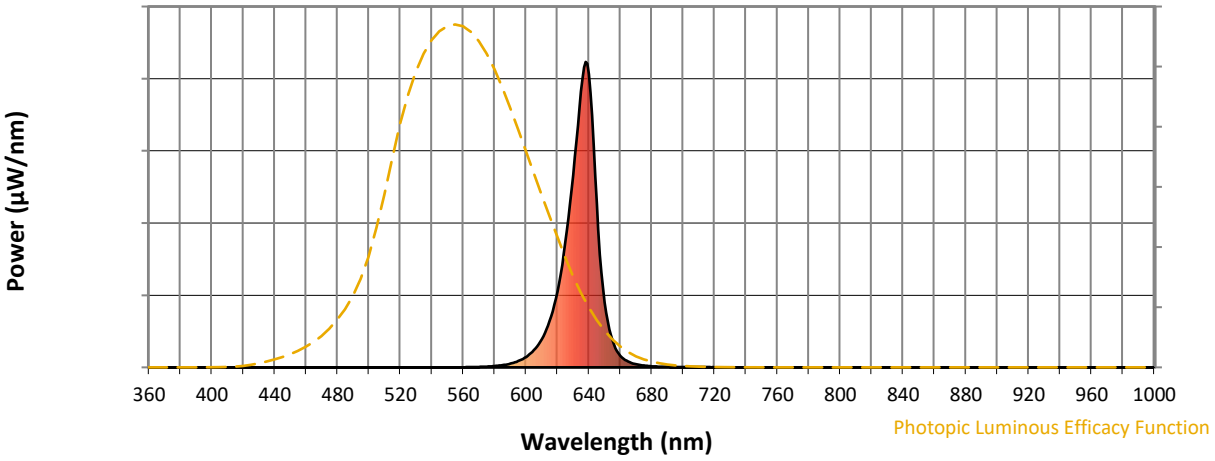


CCT = 0K
CIE x = 0.7004
CIE y = 0.2995
Duv = 0.0000

Point lies outside the range

REPORT NUMBER: SP1-2511-597-7

Photopic Flux vs. Wavelength

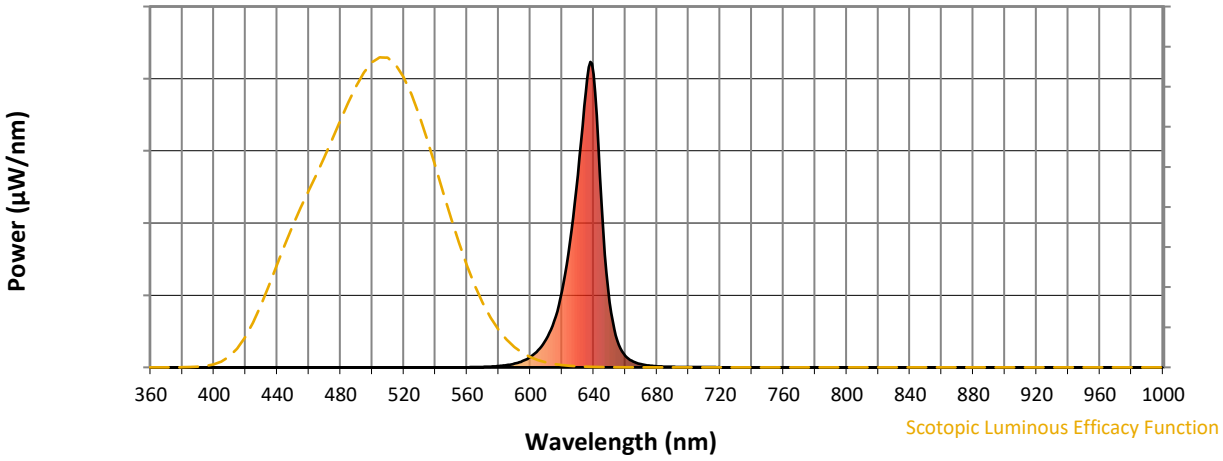


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2511-597-7

Scotopic Flux vs. Wavelength

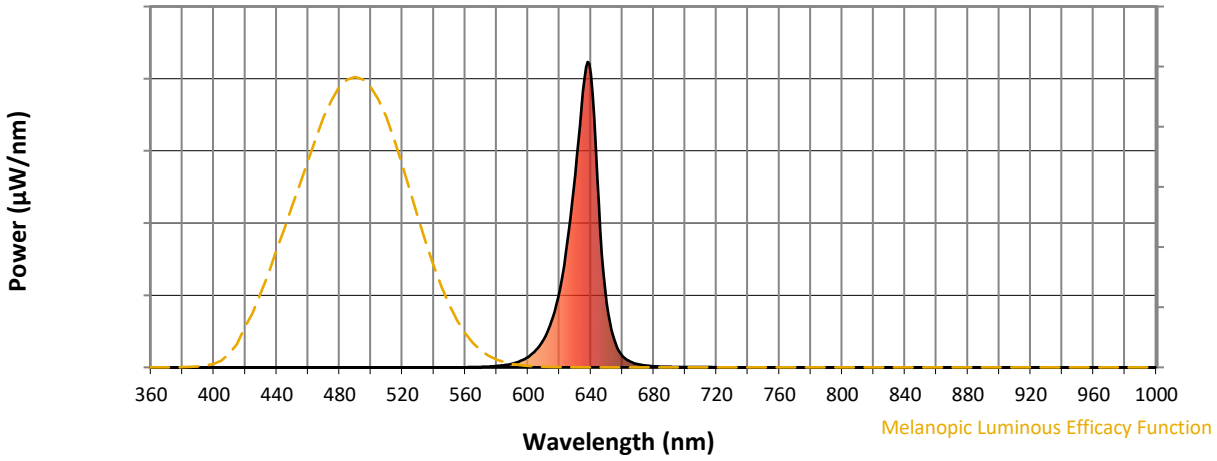


Scotopic Lumens: NR **S/P: 0.05**

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			

REPORT NUMBER: SP1-2511-597-7

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			

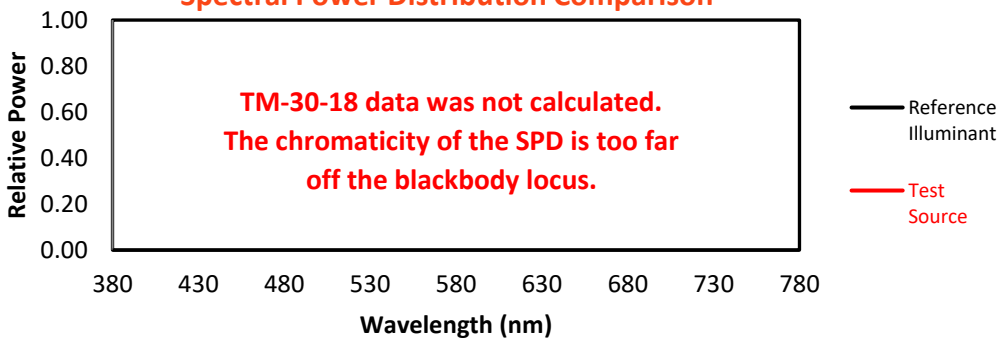
REPORT NUMBER: SP1-2511-597-7

TM-30-18

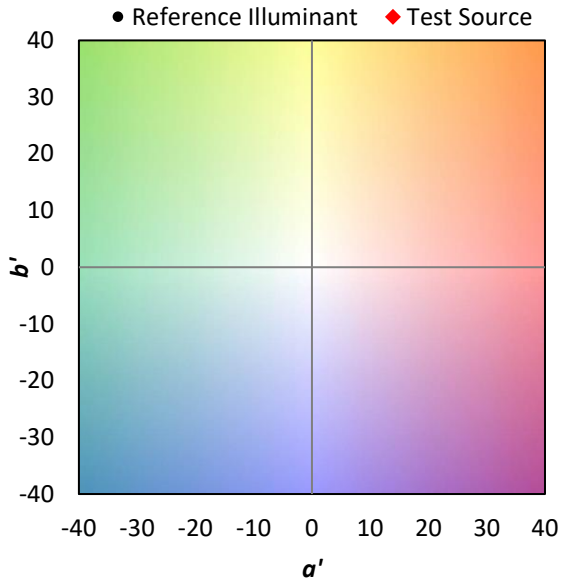
Summary

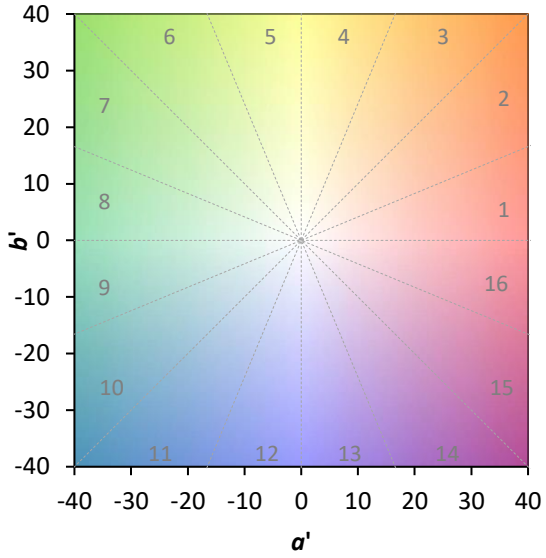
R_f = 0
R_g = 0
CIE R_a = 0.0
R_9 = 0.0

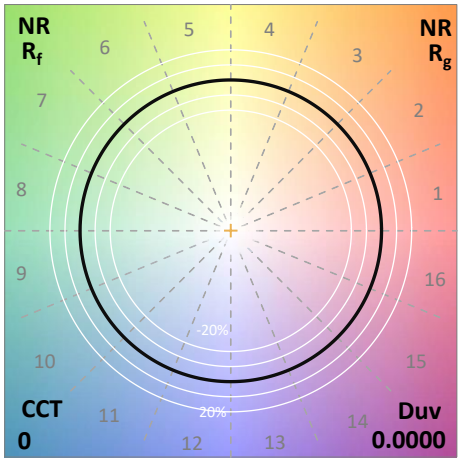
Spectral Power Distribution Comparison

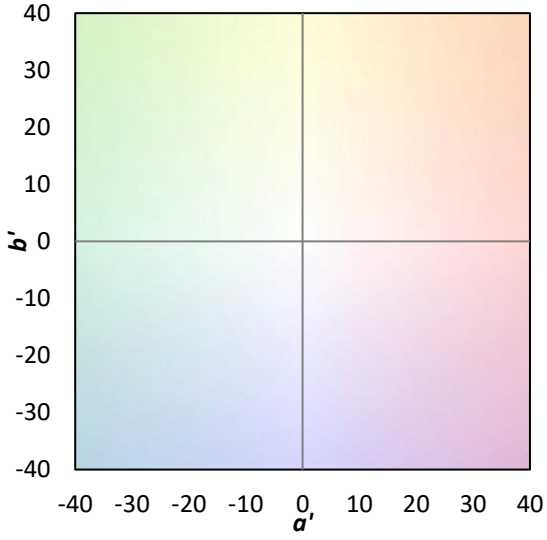


Color Vector Graphics







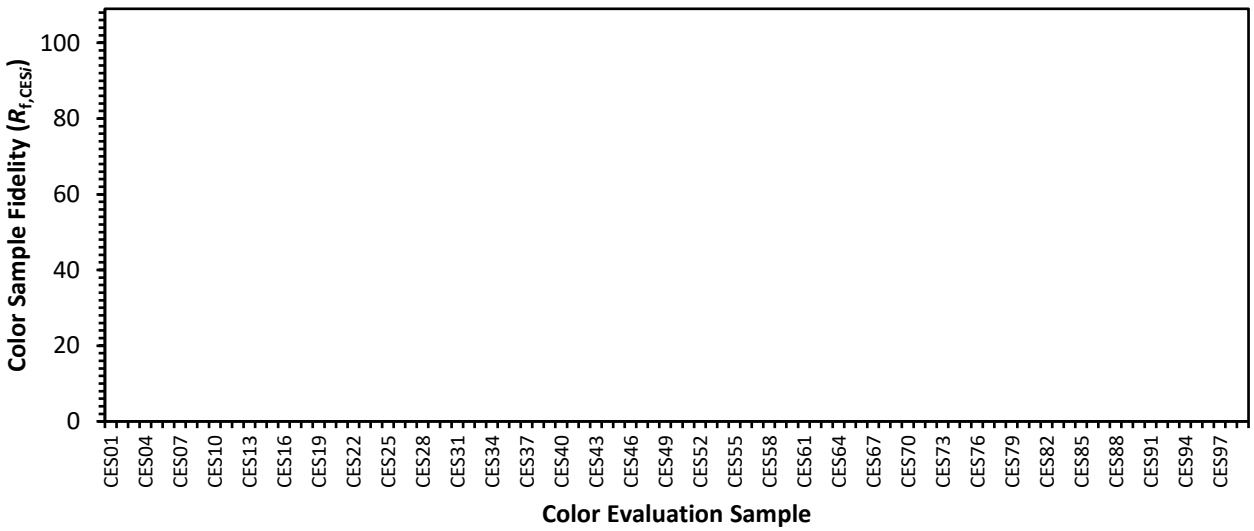


REPORT NUMBER: SP1-2511-597-7

TM-30-18

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

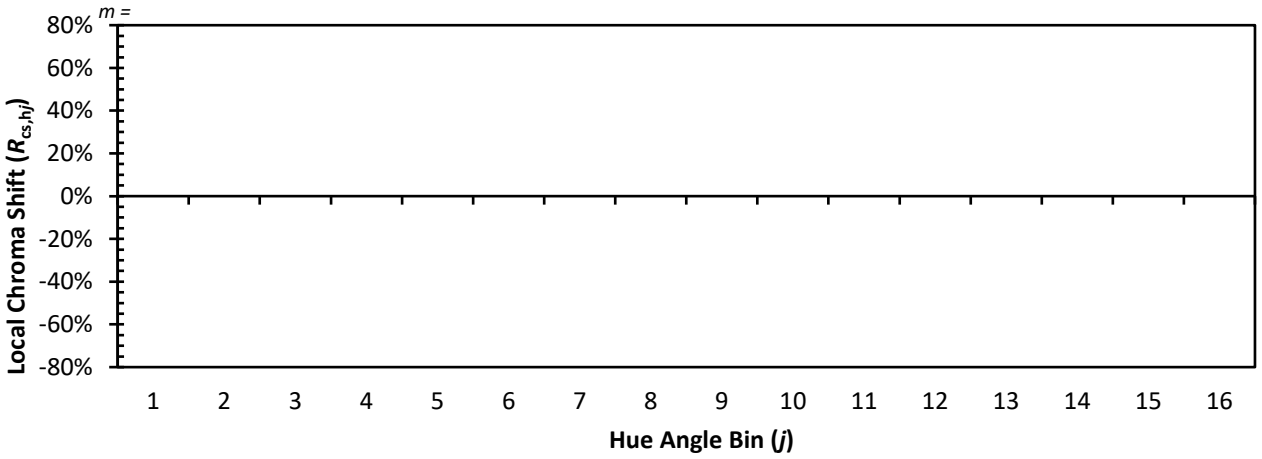
CES01 = 0	CES26 = 0	CES51 = 0	CES76 = 0
CES02 = 0	CES27 = 0	CES52 = 0	CES77 = 0
CES03 = 0	CES28 = 0	CES53 = 0	CES78 = 0
CES04 = 0	CES29 = 0	CES54 = 0	CES79 = 0
CES05 = 0	CES30 = 0	CES55 = 0	CES80 = 0
CES06 = 0	CES31 = 0	CES56 = 0	CES81 = 0
CES07 = 0	CES32 = 0	CES57 = 0	CES82 = 0
CES08 = 0	CES33 = 0	CES58 = 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	

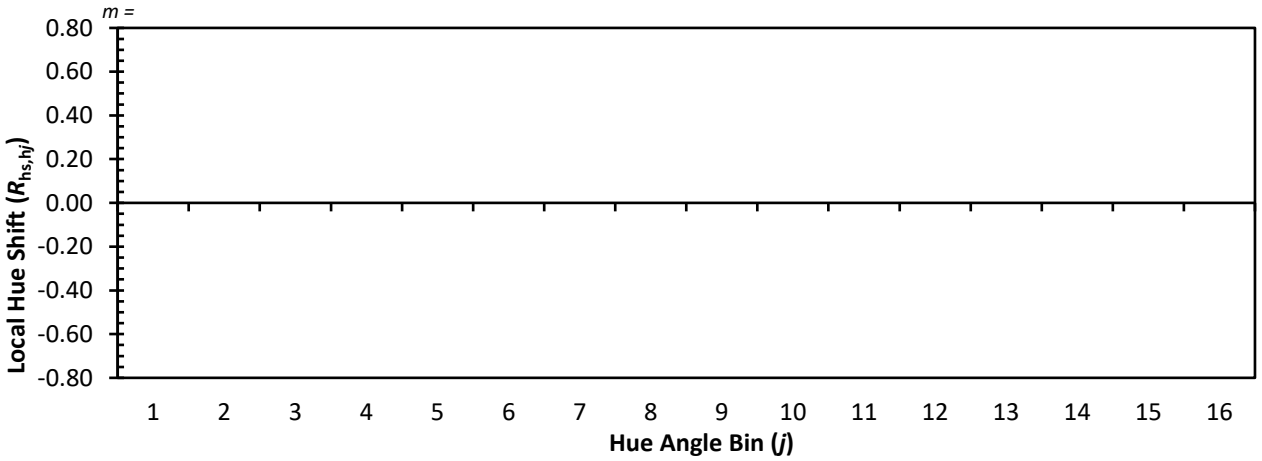


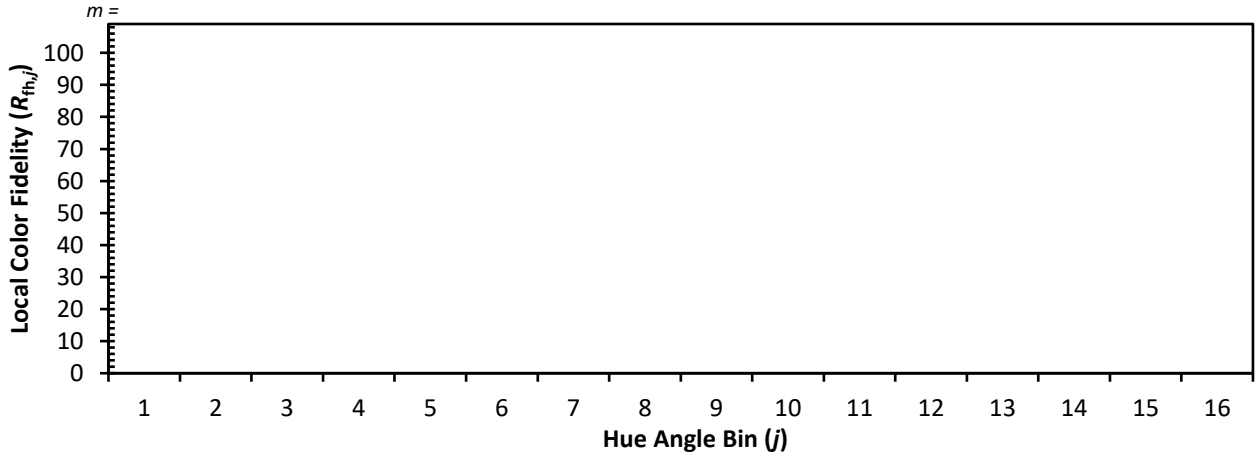
REPORT NUMBER: SP1-2511-597-7

TM-30-18

Color Rendition by Hue-Angle Bin



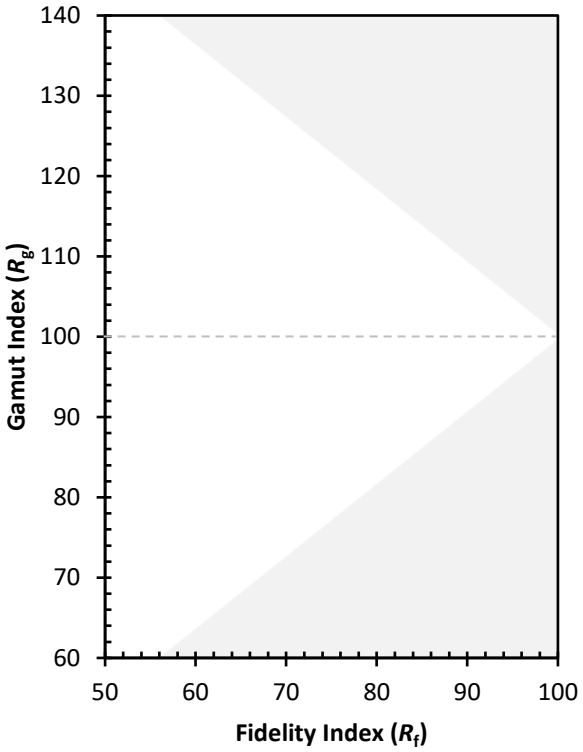


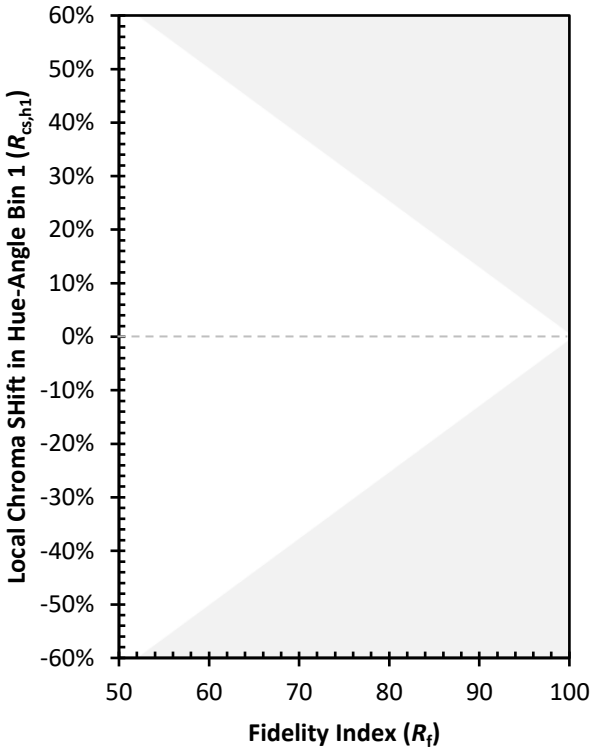


REPORT NUMBER: SP1-2511-597-7

TM-30-18

Measure Comparisons





(END OF REPORT)