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: P1356803

Luminaire Tested: 2ASL4-10-1-G52-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:	P1356803
	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:	2ASL4-10-1-G52-UNV
Description:	2FT 1000 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:	1008.0 lumens
Efficiency:	N/A
Efficacy:	49.7 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

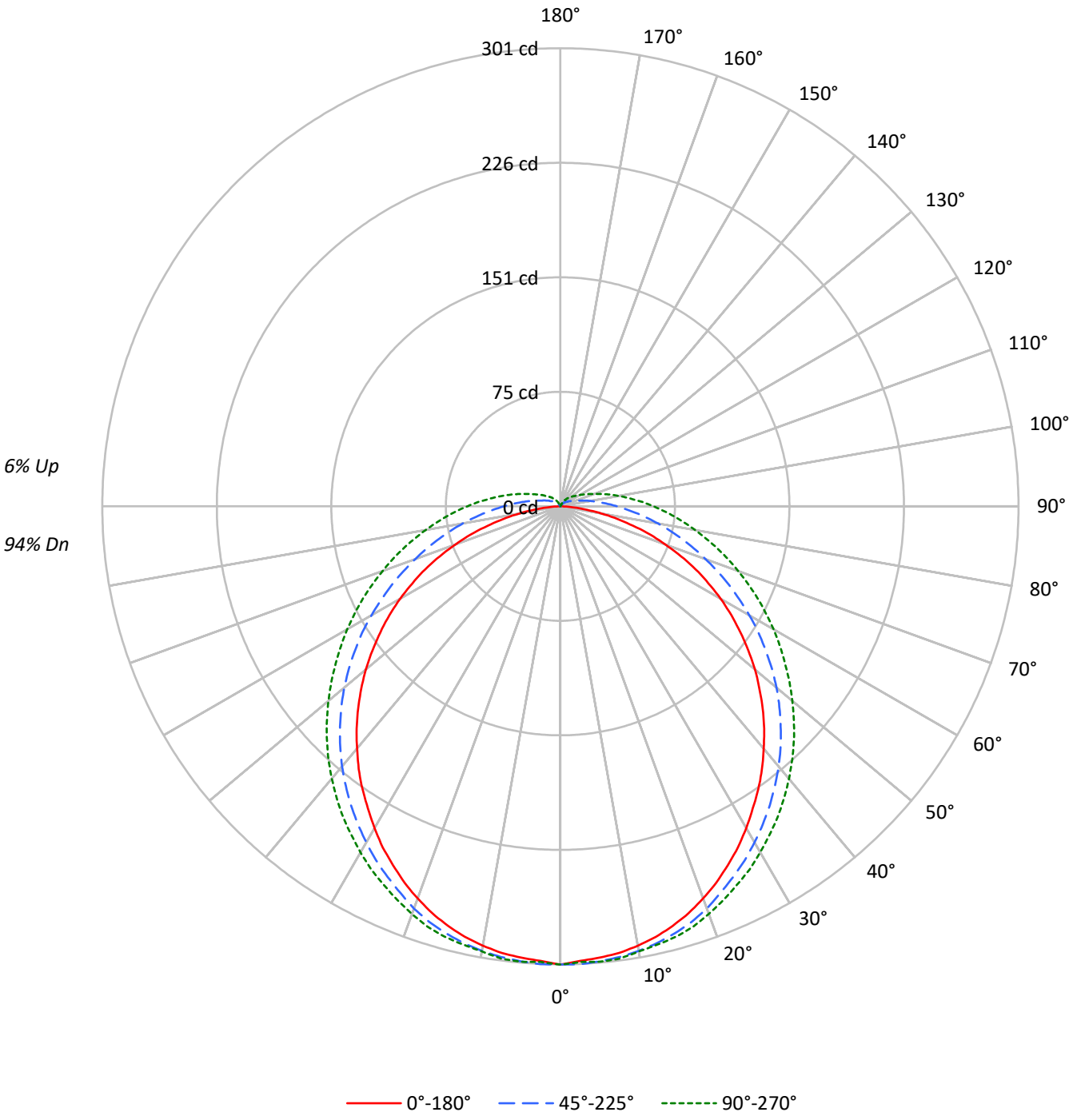
Input Watts (W):	20.3
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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

Scaled Data Report

TEST NUMBER: P1356803
CATALOG NUMBER: 2ASL4-10-1-G52-UNV

Luminous Intensity Polar Plot



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

Scaled Data Report

TEST NUMBER: P1356803
CATALOG NUMBER: 2ASL4-10-1-G52-UNV

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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94
1	106	100	95	91	102	97	93	89	92	88	85	87	84	81	82	80	78	75
2	95	86	79	73	92	84	77	71	79	74	69	75	70	66	71	67	64	61
3	87	76	67	60	84	73	65	59	69	63	57	66	60	55	62	58	54	51
4	79	67	57	50	76	65	56	50	62	54	48	58	52	47	56	50	46	43
5	73	59	50	43	70	58	49	43	55	47	42	52	46	41	50	44	40	37
6	67	53	44	38	65	52	43	37	50	42	36	47	41	35	45	39	35	32
7	62	48	39	33	60	47	39	33	45	37	32	43	36	31	41	35	31	29
8	58	44	35	29	56	43	35	29	41	34	29	39	33	28	38	32	27	25
9	54	40	32	26	52	39	32	26	38	31	26	36	30	25	35	29	25	23
10	51	37	29	24	49	36	29	24	35	28	23	34	27	23	32	27	22	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4913	4913	4913
5°	4853	4807	4789
10°	4813	4702	4664
15°	4754	4589	4565
20°	4671	4465	4445
25°	4572	4318	4313
30°	4465	4183	4191
35°	4357	4045	4069
40°	4239	3906	3942
45°	4121	3754	3815
50°	3986	3597	3679
55°	3820	3419	3544
60°	3637	3233	3426
65°	3403	3039	3306
70°	3051	2833	3190
75°	2603	2645	3102
80°	1997	2482	3047
85°	1075	2355	3067

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 4121 cd/sqm

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

Scaled Data Report

TEST NUMBER: P1356803
CATALOG NUMBER: 2ASL4-10-1-G52-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.5	2.8
10°-20°	81.8	8.1
20°-30°	123.8	12.3
30°-40°	149.6	14.8
40°-50°	157.3	15.6
50°-60°	146.5	14.5
60°-70°	120.4	11.9
70°-80°	85.4	8.5
80°-90°	51.5	5.1
90°-100°	28.9	2.9
100°-110°	16.0	1.6
110°-120°	8.9	0.9
120°-130°	5.1	0.5
130°-140°	2.8	0.3
140°-150°	1.2	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	234.1	23.2
0°-40°	383.7	38.1
0°-60°	687.5	68.2
0°-90°	944.8	93.7
90°-120°	53.8	5.3
90°-150°	62.9	6.2
90°-180°	63.0	6.2
0°-180°	1008.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	301	301	301	301	301	
5°	298	300	300	300	300	28
15°	285	289	290	292	293	80
25°	260	265	269	272	274	120
35°	227	233	240	246	249	142
45°	188	195	205	213	217	145
55°	144	153	164	175	180	129
65°	98	107	122	137	143	97
75°	49	62	82	100	107	53
85°	9	27	50	68	75	11
90°	0	16	37	54	61	0
95°	0	9	27	43	49	0
105°	0	3	14	26	31	0
115°	0	2	9	16	19	0
125°	0	1	5	10	12	0
135°	0	0	3	6	8	0
145°	0	0	1	4	5	0
155°	0	0	0	1	1	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	

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

Scaled Data Report

TEST NUMBER: P1356803
CATALOG NUMBER: 2ASL4-10-1-G52-UNV

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	301.1	301.1	301.1	301.1	301.1
2.5°	299.0	301.8	301.1	299.7	299.7
5°	297.7	300.4	300.1	299.7	300.4
7.5°	296.0	298.7	298.7	299.0	299.7
10°	293.2	296.7	296.7	296.7	297.0
12.5°	289.8	293.2	293.9	294.3	295.0
15°	285.4	289.2	290.5	291.9	292.9
17.5°	280.3	284.1	286.4	288.1	289.8
20°	274.2	278.3	281.3	283.4	285.1
22.5°	267.7	271.8	274.9	277.9	280.0
25°	260.2	265.0	268.7	272.5	274.5
27.5°	252.7	257.5	262.3	266.7	269.1
30°	244.2	249.7	255.1	260.2	262.6
32.5°	235.3	241.1	247.6	253.1	255.8
35°	226.8	232.6	239.8	245.9	249.0
37.5°	217.6	223.4	231.6	238.4	241.5
40°	207.8	214.2	223.1	230.2	233.6
42.5°	198.2	204.7	214.2	222.1	225.5
45°	188.0	194.8	204.7	213.2	217.0
47.5°	177.4	184.6	195.2	204.0	208.1
50°	166.9	174.4	185.3	194.8	198.9
52.5°	155.6	163.5	175.1	185.3	189.7
55°	144.4	152.6	164.5	175.4	180.2
57.5°	133.2	141.3	154.3	165.9	171.0
60°	121.6	130.1	143.4	156.0	161.8
62.5°	109.7	118.5	132.5	146.1	152.2
65°	98.1	106.9	122.3	136.6	143.0
67.5°	85.8	95.4	111.7	126.7	133.5
70°	73.2	84.1	101.5	117.5	124.3
72.5°	62.0	73.2	92.0	108.3	115.5
75°	49.4	62.0	82.4	99.5	106.6
77.5°	38.5	52.1	73.6	90.9	98.1
80°	27.6	42.6	65.1	82.8	89.9
82.5°	17.7	34.1	57.2	75.3	82.1
85°	9.2	26.6	49.7	68.1	74.9
87.5°	2.7	20.4	42.9	61.0	67.8
90°	0.0	15.7	37.1	54.5	61.0
92.5°	0.0	11.9	32.0	48.7	55.2
95°	0.0	9.2	27.2	42.9	49.0
97.5°	0.0	7.2	23.5	37.8	43.9
100°	0.0	5.8	20.1	33.4	39.2
102.5°	0.0	4.8	17.4	29.6	34.7
105°	0.0	3.4	14.3	25.9	30.7
107.5°	0.0	2.4	12.6	22.8	26.9
110°	0.0	2.0	11.2	19.8	23.8

TEST NUMBER: P1356803
CATALOG NUMBER: 2ASL4-10-1-G52-UNV

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	*1.7*	9.9	17.7	21.1
115°	0.0	*1.7*	8.9	15.7	18.7
117.5°	0.0	*1.4*	7.5	14.0	16.7
120°	0.0	*1.4*	6.8	12.6	15.0
122.5°	0.0	*1.0*	6.1	11.2	13.6
125°	0.0	*1.0*	5.4	10.2	11.9
127.5°	0.0	*0.7*	4.8	9.2	10.9
130°	0.0	*0.7*	4.4	8.2	9.9
132.5°	0.0	*0.3*	4.1	7.5	8.9
135°	0.0	*0.3*	3.4	6.5	8.2
137.5°	0.0	*0.0*	3.1	5.8	7.2
140°	0.0	*0.0*	2.4	5.1	6.5
142.5°	0.3	*0.0*	2.0	4.4	5.4
145°	0.3	*0.0*	1.4	3.7	4.8
147.5°	0.3	*0.3*	1.0	3.1	3.7
150°	0.3	*0.3*	0.7	2.0	3.1
152.5°	0.3	*0.3*	0.3	1.4	2.0
155°	0.3	*0.3*	0.0	1.0	1.4
157.5°	0.3	*0.3*	0.0	0.3	0.7
160°	0.3	*0.3*	0.0	0.0	0.3
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

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

Scaled Data Report

TEST NUMBER: P1356803
CATALOG NUMBER: 2ASL4-10-1-G52-UNV

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	14.90	16.45	15.36	16.90	17.37	16.80	18.36	17.26	18.80	19.27
	3H	16.40	17.81	16.87	18.26	18.77	19.18	20.59	19.65	21.05	21.55
	4H	16.87	18.21	17.37	18.68	19.21	20.32	21.66	20.81	22.13	22.65
	6H	17.15	18.40	17.66	18.88	19.42	21.48	22.72	21.98	23.21	23.75
	8H	17.20	18.40	17.72	18.91	19.45	22.06	23.25	22.58	23.76	24.31
	12H	17.22	18.36	17.74	18.87	19.44	22.68	23.83	23.21	24.33	24.91
4H	2H	15.75	17.09	16.25	17.56	18.09	17.24	18.58	17.74	19.05	19.58
	3H	17.48	18.62	17.99	19.14	19.68	19.84	20.98	20.35	21.50	22.04
	4H	18.08	19.13	18.61	19.65	20.23	21.15	22.19	21.67	22.72	23.29
	6H	18.48	19.40	19.03	19.95	20.54	22.50	23.42	23.04	23.97	24.56
	8H	18.57	19.44	19.12	19.99	20.60	23.18	24.05	23.73	24.60	25.21
	12H	18.62	19.40	19.19	19.98	20.59	23.93	24.72	24.50	25.30	25.91
8H	4H	18.72	19.58	19.27	20.13	20.74	21.36	22.23	21.91	22.78	23.39
	6H	19.28	20.02	19.87	20.61	21.22	22.88	23.61	23.46	24.21	24.82
	8H	19.46	20.12	20.06	20.73	21.35	23.71	24.37	24.30	24.97	25.60
	12H	19.57	20.16	20.17	20.76	21.45	24.63	25.23	25.23	25.82	26.51
12H	4H	18.89	19.67	19.46	20.25	20.86	21.37	22.16	21.94	22.74	23.35
	6H	19.55	20.21	20.14	20.81	21.44	22.92	23.58	23.51	24.18	24.81
	8H	19.82	20.41	20.41	21.00	21.69	23.81	24.40	24.41	25.00	25.69

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

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

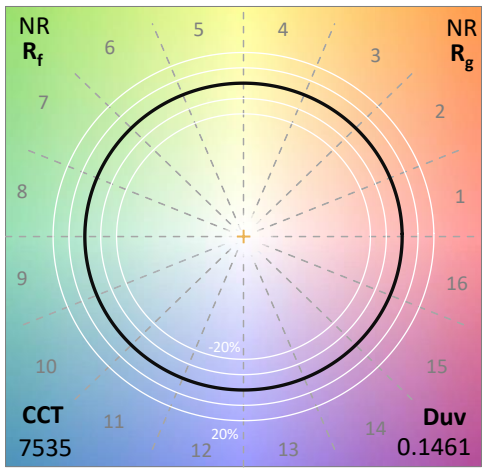
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.05

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

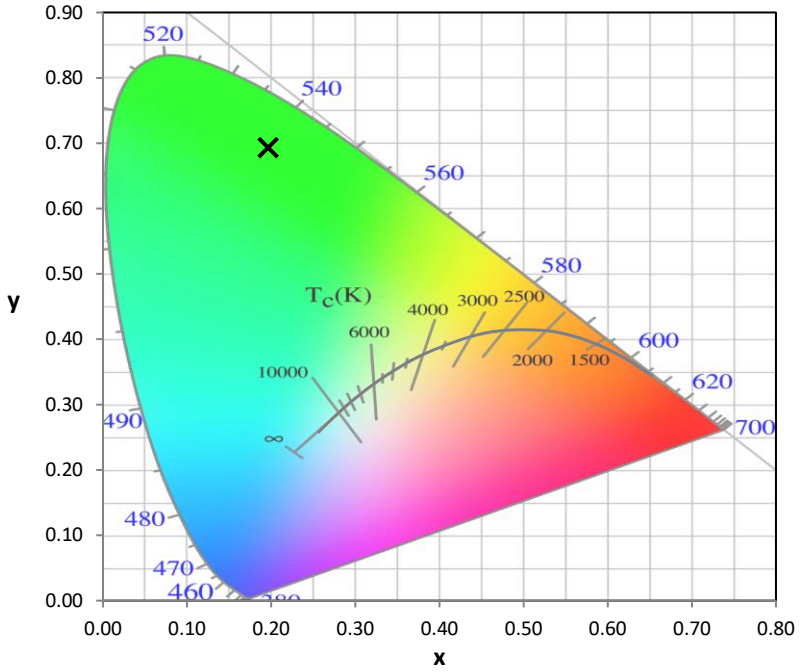
Stabilization Time:	48M
Operation Time:	1H 48M
Sphere Temperature (°C):	25.1

REPORT NUMBER: SP1-2511-597-8

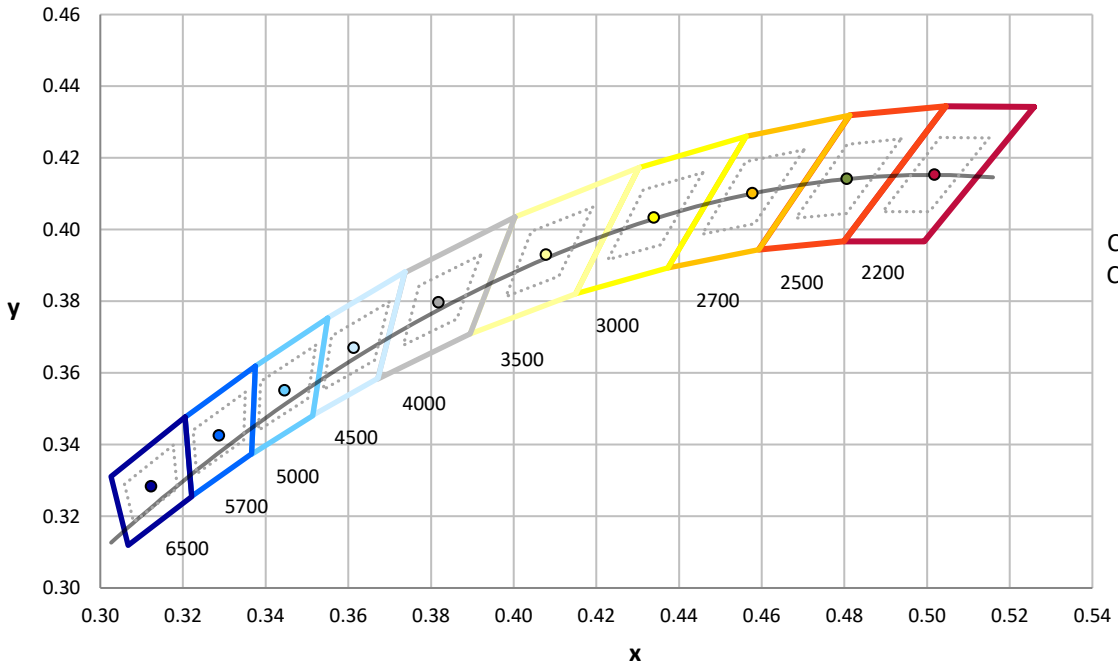
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208	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: SP1-2511-597-8

CIE 1931 Chromaticity Diagram



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

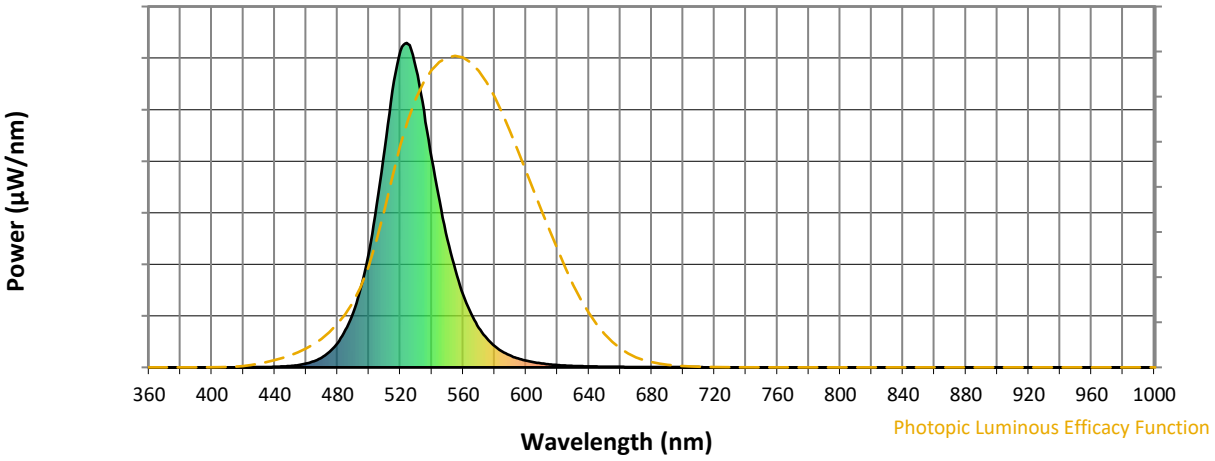


CCT = 7535K
CIE x = 0.1962
CIE y = 0.6931
Duv = 0.1461

Point lies outside the range

REPORT NUMBER: SP1-2511-597-8

Photopic Flux vs. Wavelength

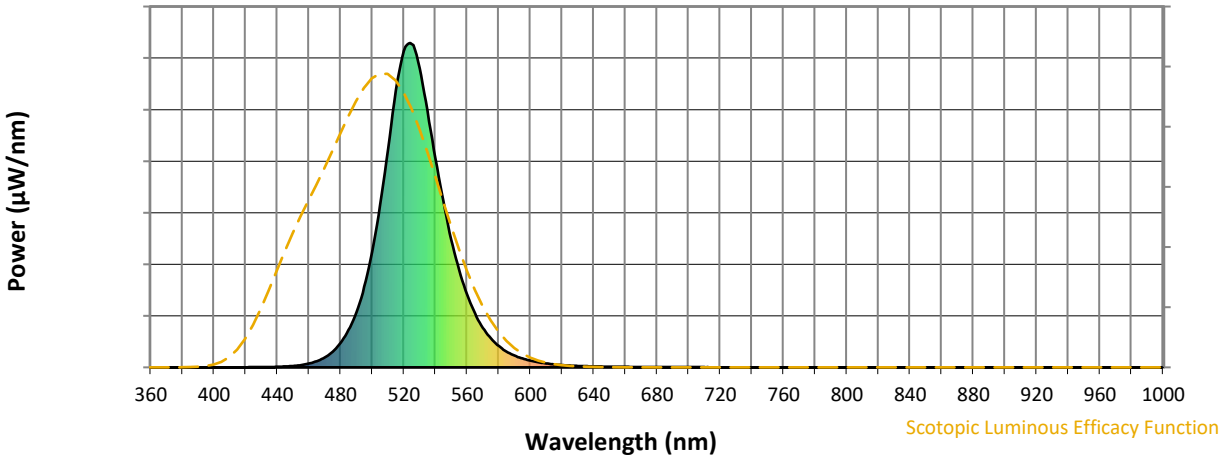


Photopic Lumens: NR

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	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			

REPORT NUMBER: SP1-2511-597-8

Scotopic Flux vs. Wavelength

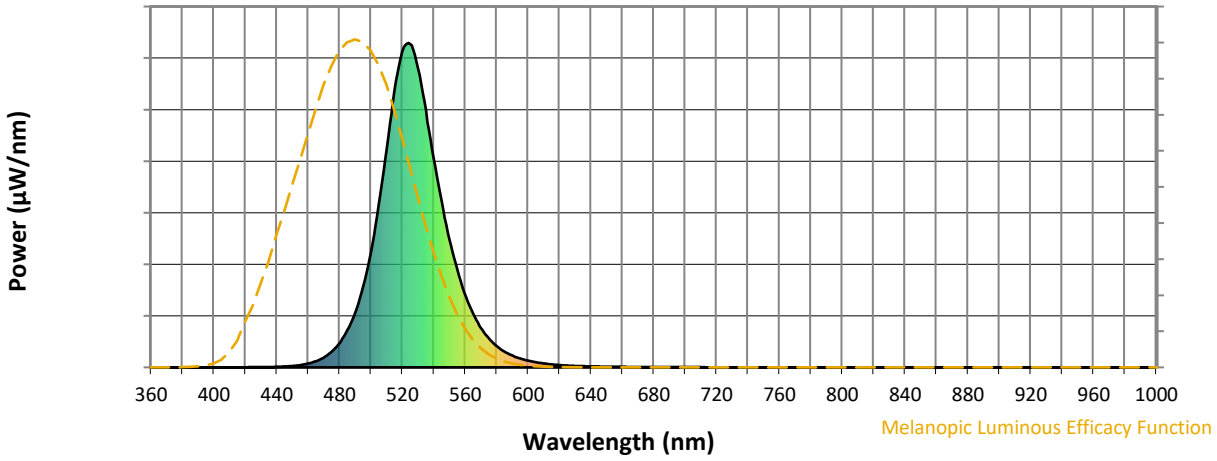


Scotopic Lumens: NR **S/P: 2.63**

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			

REPORT NUMBER: SP1-2511-597-8

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 4.87**

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			

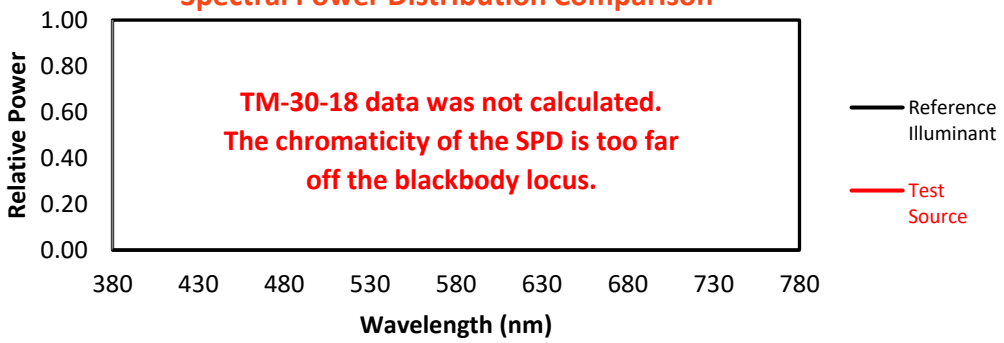
REPORT NUMBER: SP1-2511-597-8

TM-30-18

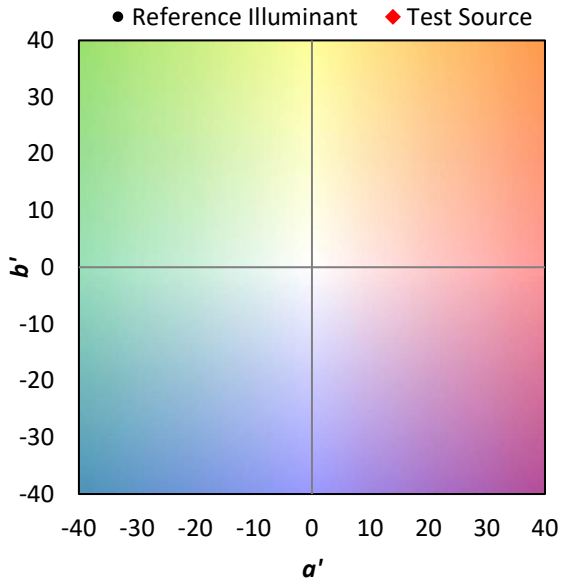
Summary

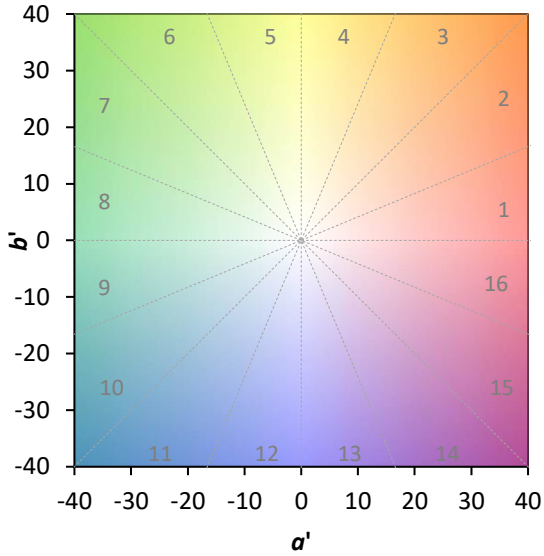
R_f = 0
R_g = 0
CIE R_a = -11.7
R_9 = -351.9

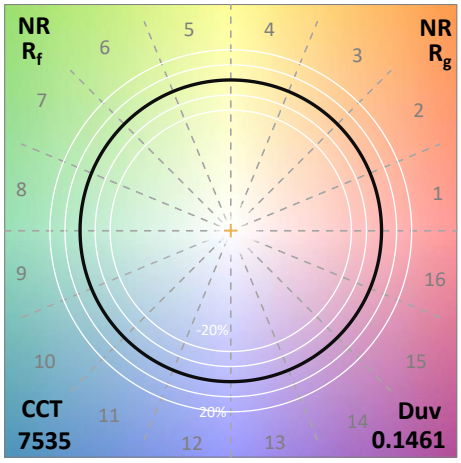
Spectral Power Distribution Comparison

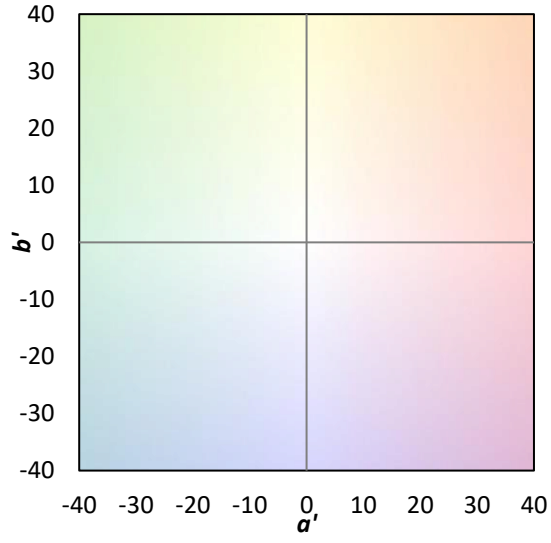


Color Vector Graphics







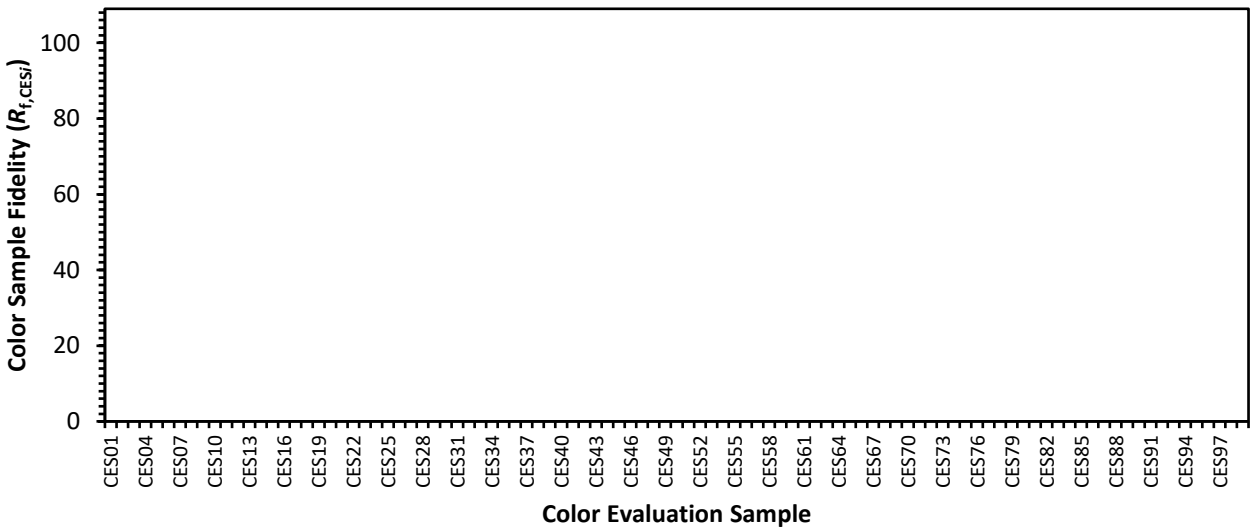


REPORT NUMBER: SP1-2511-597-8

TM-30-18

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

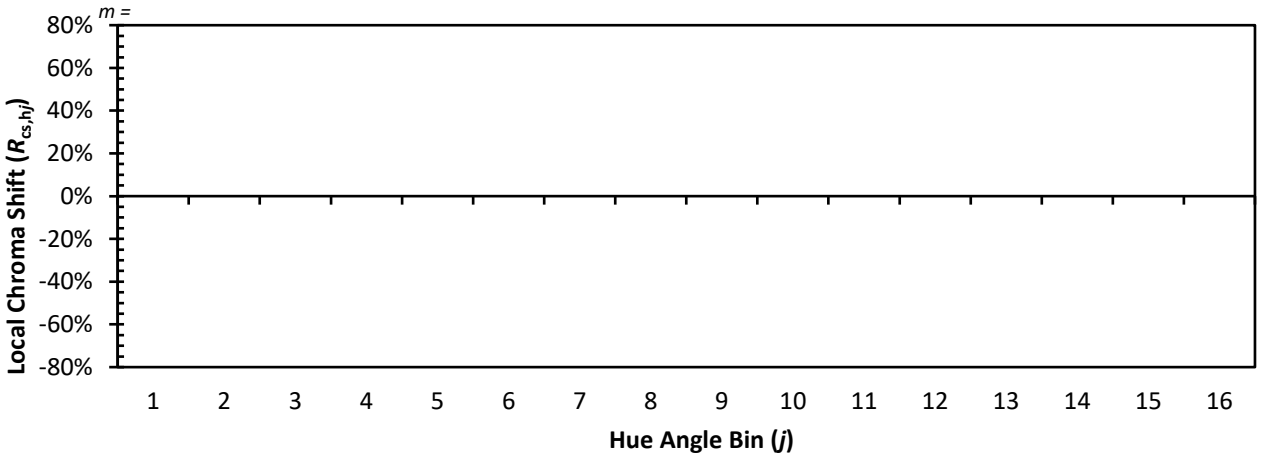
CES01 = 0	CES26 = 0	CES51 = 0	CES76 = 0
CES02 = 0	CES27 = 0	CES52 = 0	CES77 = 0
CES03 = 0	CES28 = 0	CES53 = 0	CES78 = 0
CES04 = 0	CES29 = 0	CES54 = 0	CES79 = 0
CES05 = 0	CES30 = 0	CES55 = 0	CES80 = 0
CES06 = 0	CES31 = 0	CES56 = 0	CES81 = 0
CES07 = 0	CES32 = 0	CES57 = 0	CES82 = 0
CES08 = 0	CES33 = 0	CES58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

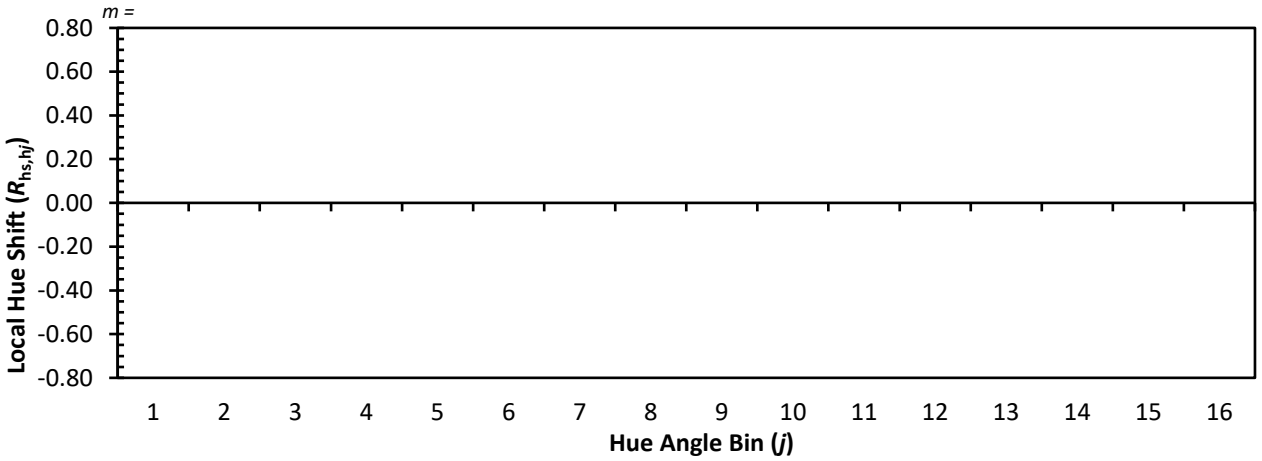


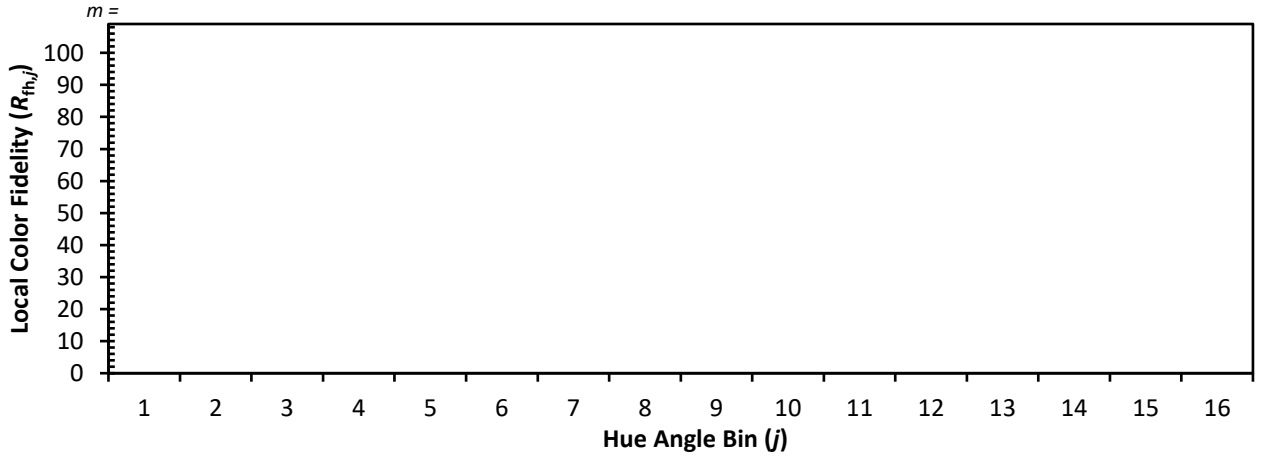
REPORT NUMBER: SP1-2511-597-8

TM-30-18

Color Rendition by Hue-Angle Bin



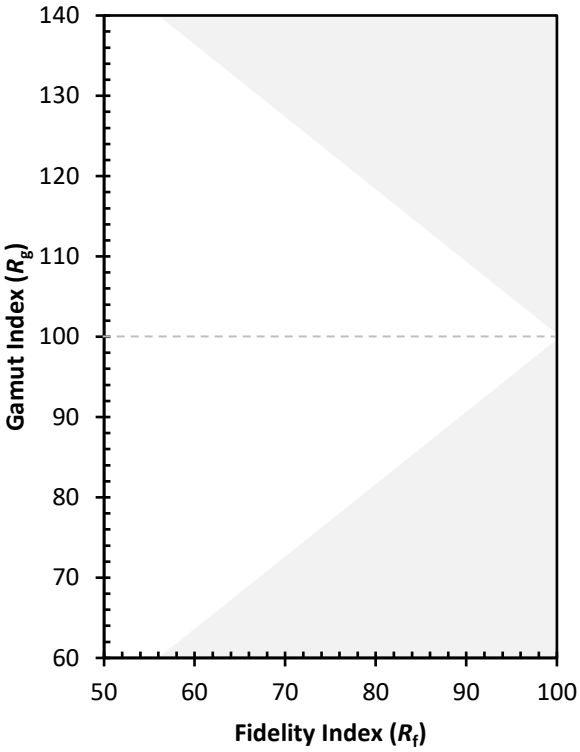


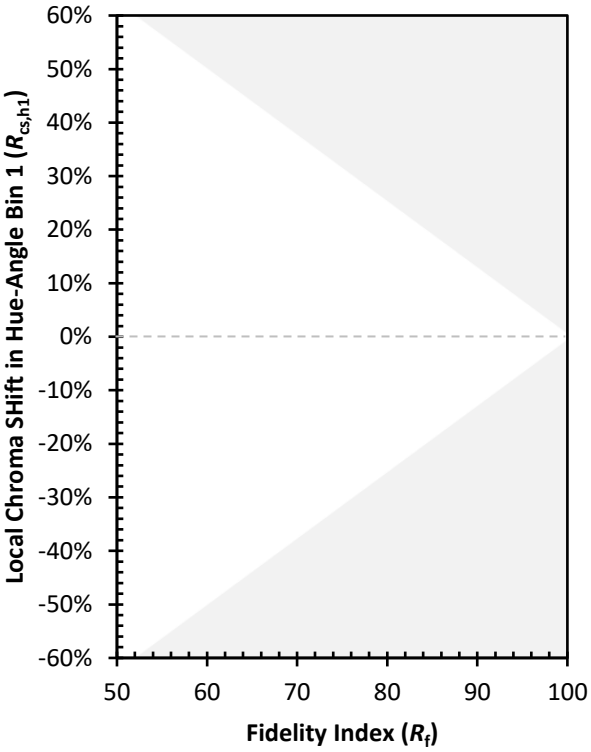


REPORT NUMBER: SP1-2511-597-8

TM-30-18

Measure Comparisons





(END OF REPORT)