

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: P1357298

Luminaire Tested: 6ASL4-10HE-2-50-UNV

Issue Date: 2/17/2026

**Test Information**

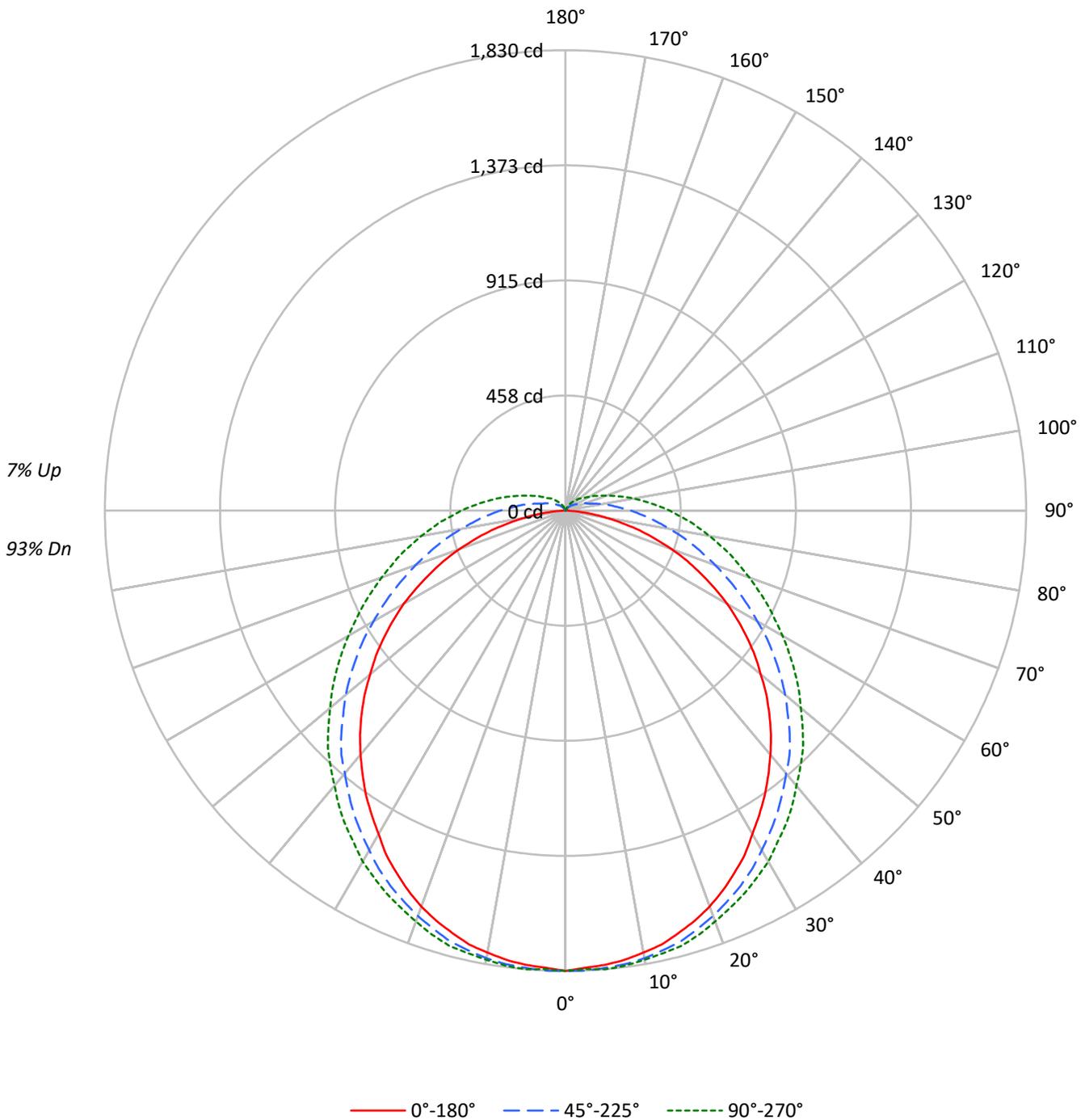
Test Method: LM-79-2019  
Report Number: P1357298  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2511-597-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/17/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: FAIL-SAFE  
Catalog Number: 6ASL4-10HE-2-50-UNV  
Description: 6FT 1000 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 5000K LEDS 2 ROW  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6282.0 lumens  
Efficiency: N/A  
Efficacy: 126.1 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): 49.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

TEST NUMBER: P1357298  
CATALOG NUMBER: 6ASL4-10HE-2-50-UNV

### Luminous Intensity Polar Plot







TEST NUMBER: P1357298  
 CATALOG NUMBER: 6ASL4-10HE-2-50-UNV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	173.5	2.8
10°-20°	498.8	7.9
20°-30°	755.9	12.0
30°-40°	914.2	14.6
40°-50°	963.8	15.3
50°-60°	899.5	14.3
60°-70°	742.6	11.8
70°-80°	538.7	8.6
80°-90°	340.4	5.4
90°-100°	203.2	3.2
100°-110°	116.5	1.9
110°-120°	66.1	1.1
120°-130°	37.7	0.6
130°-140°	20.4	0.3
140°-150°	9.0	0.1
150°-160°	1.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1428.2	22.7
0°-40°	2342.4	37.3
0°-60°	4205.7	66.9
0°-90°	5827.5	92.8
90°-120°	385.8	6.1
90°-150°	452.9	7.2
90°-180°	455.0	7.2
0°-180°	6282.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1830	1830	1830	1830	1830	
5°	1813	1830	1824	1824	1830	172
15°	1738	1761	1772	1778	1790	490
25°	1588	1611	1646	1669	1680	732
35°	1381	1416	1467	1508	1525	863
45°	1145	1191	1260	1312	1335	883
55°	880	932	1013	1082	1111	787
65°	593	656	754	846	886	589
75°	305	386	524	633	679	321
85°	58	178	334	449	495	70
90°	0	109	259	368	414	2
95°	0	69	196	299	340	0
105°	0	23	109	190	219	0
115°	0	12	63	115	138	0
125°	0	6	40	75	86	0
135°	0	0	23	46	58	0
145°	0	0	12	29	34	0
155°	0	0	0	6	12	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P1357298

CATALOG NUMBER: 6ASL4-10HE-2-50-UNV

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1829.9	1829.9	1829.9	1829.9	1829.9
2.5°	1818.4	1835.6	1829.9	1824.1	1824.1
5°	1812.6	1829.9	1824.1	1824.1	1829.9
7.5°	1801.1	1818.4	1818.4	1818.4	1824.1
10°	1783.8	1806.9	1806.9	1806.9	1812.6
12.5°	1766.6	1783.8	1789.6	1795.4	1801.1
15°	1737.8	1760.8	1772.3	1778.1	1789.6
17.5°	1709.0	1726.3	1743.6	1760.8	1766.6
20°	1674.5	1697.5	1714.8	1732.1	1737.8
22.5°	1634.2	1657.3	1680.3	1697.5	1709.0
25°	1588.2	1611.2	1645.7	1668.8	1680.3
27.5°	1542.2	1565.2	1605.5	1634.2	1645.7
30°	1484.6	1519.1	1559.4	1594.0	1611.2
32.5°	1432.8	1467.4	1513.4	1553.7	1565.2
35°	1381.0	1415.6	1467.4	1507.6	1524.9
37.5°	1323.5	1363.8	1415.6	1461.6	1478.9
40°	1266.0	1306.2	1363.8	1415.6	1427.1
42.5°	1208.4	1248.7	1317.7	1363.8	1381.0
45°	1145.1	1191.1	1260.2	1312.0	1335.0
47.5°	1081.8	1127.9	1196.9	1254.4	1277.5
50°	1012.8	1064.6	1139.4	1196.9	1219.9
52.5°	949.5	1001.3	1076.1	1139.4	1168.1
55°	880.4	932.2	1012.8	1081.8	1110.6
57.5°	811.4	863.2	949.5	1024.3	1053.0
60°	742.3	794.1	880.4	966.7	995.5
62.5°	667.5	725.0	817.1	903.4	938.0
65°	592.7	656.0	753.8	845.9	886.2
67.5°	523.6	586.9	690.5	794.1	828.6
70°	448.8	517.9	633.0	736.6	776.8
72.5°	374.0	448.8	575.4	684.8	725.0
75°	305.0	385.5	523.6	633.0	679.0
77.5°	230.2	328.0	471.9	586.9	627.2
80°	166.9	270.5	420.1	540.9	581.2
82.5°	109.3	218.7	374.0	494.9	535.2
85°	57.5	178.4	333.8	448.8	494.9
87.5°	17.3	138.1	293.5	408.6	448.8
90°	0.0	109.3	258.9	368.3	414.3
92.5°	0.0	86.3	224.4	333.8	374.0
95°	0.0	69.1	195.6	299.2	339.5
97.5°	0.0	57.5	172.6	270.5	305.0
100°	0.0	46.0	149.6	241.7	276.2
102.5°	0.0	34.5	126.6	212.9	247.4
105°	0.0	23.0	109.3	189.9	218.7
107.5°	0.0	17.3	92.1	166.9	195.6
110°	0.0	17.3	86.3	143.9	172.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	11.5	74.8	132.3	155.4
115°	0.0	11.5	63.3	115.1	138.1
117.5°	0.0	11.5	57.5	103.6	126.6
120°	0.0	11.5	51.8	92.1	109.3
122.5°	0.0	5.8	46.0	80.6	97.8
125°	0.0	5.8	40.3	74.8	86.3
127.5°	0.0	5.8	34.5	69.1	80.6
130°	0.0	5.8	34.5	63.3	74.8
132.5°	0.0	0.0	28.8	57.5	69.1
135°	0.0	0.0	23.0	46.0	57.5
137.5°	0.0	0.0	23.0	40.3	51.8
140°	0.0	0.0	17.3	40.3	46.0
142.5°	0.0	0.0	11.5	34.5	40.3
145°	0.0	0.0	11.5	28.8	34.5
147.5°	0.0	0.0	5.8	23.0	28.8
150°	0.0	0.0	5.8	17.3	23.0
152.5°	0.0	0.0	0.0	11.5	17.3
155°	0.0	0.0	0.0	5.8	11.5
157.5°	0.0	0.0	0.0	0.0	5.8
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	17.28	18.82	17.75	19.28	19.77	19.37	20.90	19.84	21.36	21.85
	3H	18.78	20.18	19.27	20.65	21.18	21.83	23.23	22.32	23.70	24.23
	4H	19.26	20.59	19.77	21.08	21.62	23.05	24.38	23.56	24.87	25.41
	6H	19.54	20.77	20.06	21.27	21.84	24.34	25.58	24.86	26.08	26.64
	8H	19.59	20.78	20.12	21.30	21.87	25.02	26.20	25.55	26.73	27.29
	12H	19.61	20.74	20.14	21.26	21.86	25.77	26.91	26.31	27.43	28.02
4H	2H	18.17	19.49	18.67	19.98	20.53	19.80	21.13	20.31	21.61	22.16
	3H	19.91	21.04	20.43	21.57	22.14	22.49	23.62	23.01	24.15	24.72
	4H	20.52	21.55	21.06	22.09	22.69	23.89	24.92	24.43	25.46	26.06
	6H	20.92	21.83	21.48	22.40	23.01	25.37	26.29	25.93	26.86	27.47
	8H	21.02	21.88	21.58	22.44	23.07	26.16	27.02	26.72	27.58	28.21
	12H	21.06	21.85	21.65	22.44	23.07	27.03	27.82	27.62	28.41	29.04
8H	4H	21.22	22.08	21.78	22.65	23.27	24.11	24.97	24.67	25.53	26.16
	6H	21.81	22.54	22.40	23.15	23.78	25.77	26.50	26.36	27.11	27.74
	8H	21.99	22.65	22.60	23.27	23.92	26.69	27.35	27.30	27.97	28.62
	12H	22.11	22.70	22.72	23.31	24.02	27.76	28.35	28.37	28.96	29.67
12H	4H	21.42	22.21	22.01	22.80	23.43	24.11	24.90	24.70	25.49	26.12
	6H	22.11	22.77	22.72	23.39	24.04	25.81	26.47	26.41	27.09	27.73
	8H	22.40	22.99	23.01	23.60	24.31	26.80	27.39	27.41	28.00	28.71

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

Report Prepared for

Cooper Lighting Solutions

Fail-Safe

Report Number: SP1-2511-597-5

Test Date: 11/18/2025

Luminaire Tested: 4ASL-2-50-UNV-OPL-1\_600mA

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

**Test Information**

Test Method: LM-79-2019  
 Report Number: SP1-2511-597-5  
 Test Lab: COOPER LIGHTING SOLUTIONS  
 Photometer: SP1 - 76IN SPHERE  
 Measurement Geometry:  $4\pi$   
 Issue Date: 11/18/2025  
 Manufacturer: COOPER LIGHTING SOLUTIONS  
 Product Line: Fail-Safe  
 Catalog Number: **4ASL-2-50-UNV-OPL-1\_600mA**  
 Description: 2foot 4ASL LED LUMINAIRE WITH OPL LENS AND 5000K LEDs with 1 rows at 600mA

**Spectral Parameters**

CCT (K): 5076  
 CIE u': 0.2110  
 CIE v': 0.4830  
 Duv: -0.0005  
 CIE x: 0.3429  
 CIE y: 0.3489  
 CIE z: 0.3082  
 Peak Wavelength (nm): 630  
 Dominant Wavelength (nm): 572  
 Purity: 7.553016  
 R<sub>f</sub>: 90.4  
 R<sub>g</sub>: 99

CRI (Ra):	94.9		
R1:	96.7	R9:	74.0
R2:	98.2	R10:	93.9
R3:	96.6	R11:	96.2
R4:	95.6	R12:	72.4
R5:	95.1	R13:	98.1
R6:	93.6	R14:	97.8
R7:	94.0	R15:	95.6
R8:	89.6		



**Test Conditions**

Stabilization Time: 24M  
 Operation Time: 1H 24M  
 Sphere Temperature (°C): 24.1

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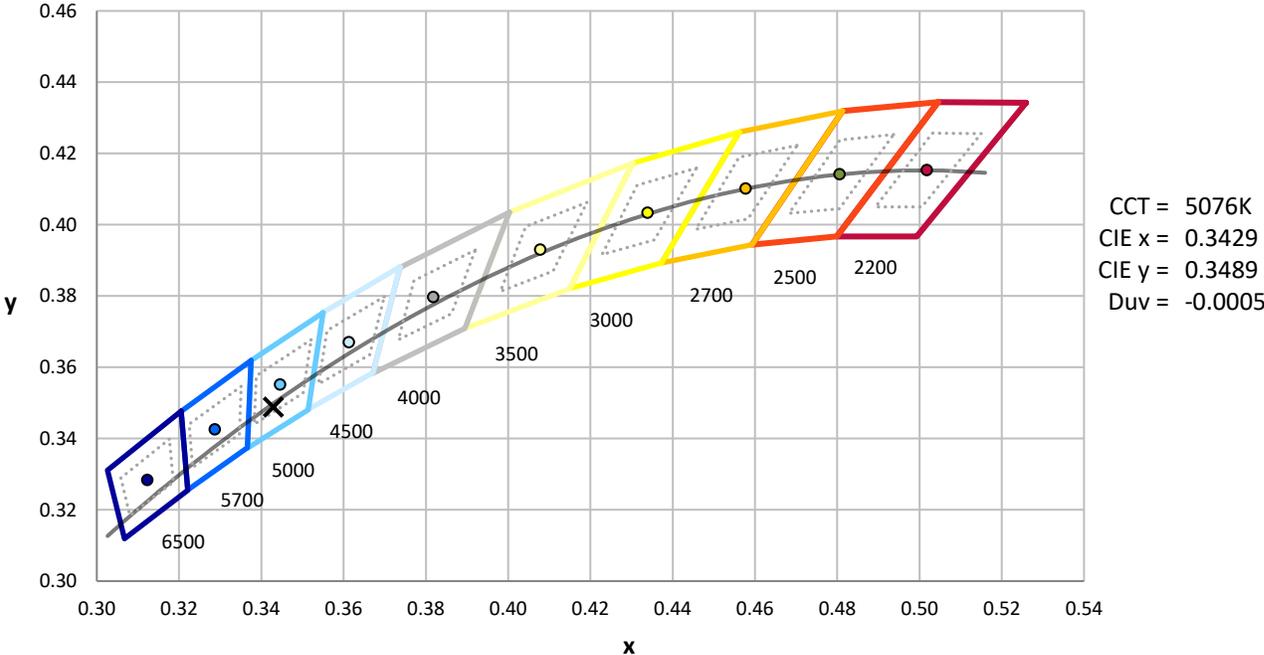
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208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



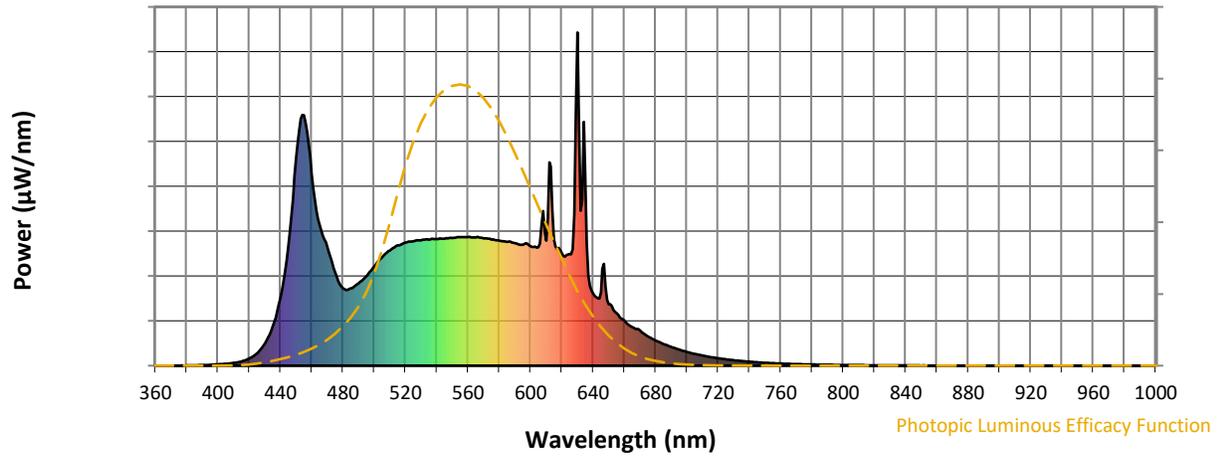
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

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**Photopic Flux vs. Wavelength**

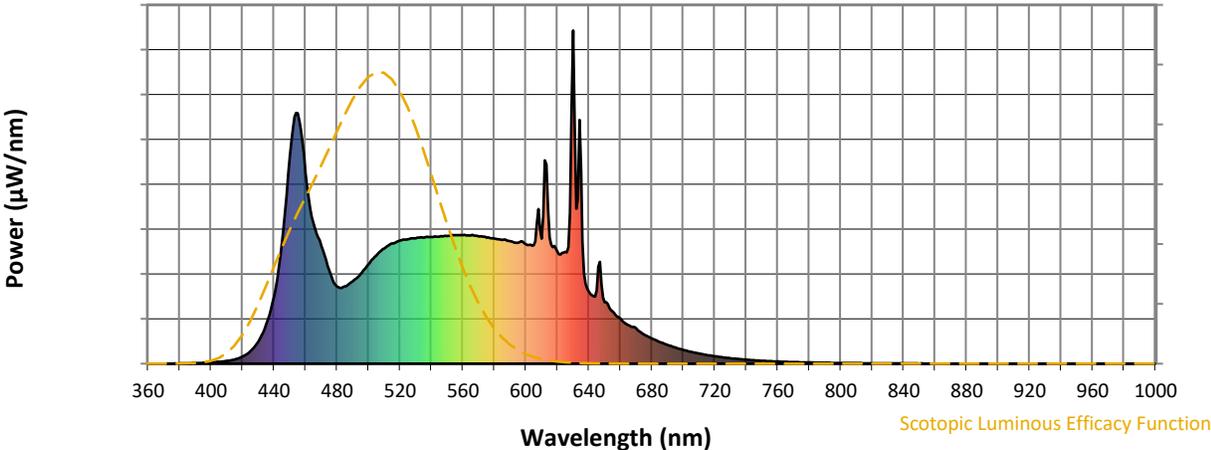


**Photopic Lumens: NR**

$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)
360	0	NR	490	248	NR	620	337	NR	750	9	NR	880	0	NR
365	0	NR	495	269	NR	625	335	NR	755	8	NR	885	0	NR
370	0	NR	500	298	NR	630	1000	NR	760	6	NR	890	0	NR
375	0	NR	505	325	NR	635	580	NR	765	6	NR	895	0	NR
380	1	NR	510	346	NR	640	216	NR	770	5	NR	900	0	NR
385	1	NR	515	361	NR	645	221	NR	775	4	NR	905	0	NR
390	2	NR	520	369	NR	650	185	NR	780	4	NR	910	0	NR
395	3	NR	525	374	NR	655	158	NR	785	3	NR	915	0	NR
400	4	NR	530	376	NR	660	136	NR	790	3	NR	920	0	NR
405	6	NR	535	379	NR	665	116	NR	795	2	NR	925	0	NR
410	8	NR	540	381	NR	670	106	NR	800	2	NR	930	0	NR
415	13	NR	545	381	NR	675	88	NR	805	2	NR	935	0	NR
420	22	NR	550	383	NR	680	76	NR	810	2	NR	940	0	NR
425	37	NR	555	386	NR	685	65	NR	815	1	NR	945	0	NR
430	66	NR	560	386	NR	690	56	NR	820	1	NR	950	0	NR
435	119	NR	565	385	NR	695	48	NR	825	1	NR	955	0	NR
440	203	NR	570	382	NR	700	41	NR	830	1	NR	960	0	NR
445	359	NR	575	379	NR	705	35	NR	835	1	NR	965	0	NR
450	620	NR	580	376	NR	710	30	NR	840	1	NR	970	0	NR
455	752	NR	585	372	NR	715	26	NR	845	1	NR	975	0	NR
460	576	NR	590	368	NR	720	22	NR	850	1	NR	980	0	NR
465	423	NR	595	363	NR	725	19	NR	855	0	NR	985	0	NR
470	354	NR	600	358	NR	730	16	NR	860	0	NR	990	0	NR
475	280	NR	605	355	NR	735	14	NR	865	0	NR	995	0	NR
480	232	NR	610	375	NR	740	12	NR	870	0	NR	1000	0	NR
485	232	NR	615	379	NR	745	10	NR	875	0	NR			

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Scotopic Flux vs. Wavelength



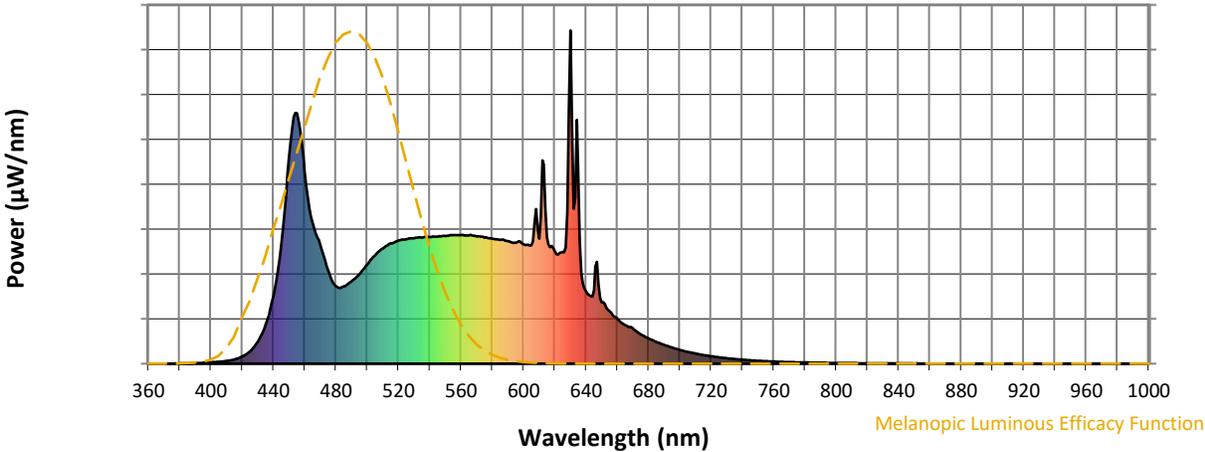
Scotopic Lumens: NR

S/P: 2.12

λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	248	NR	620	337	NR	750	9	NR	880	0	NR
365	0	NR	495	269	NR	625	335	NR	755	8	NR	885	0	NR
370	0	NR	500	298	NR	630	1000	NR	760	6	NR	890	0	NR
375	0	NR	505	325	NR	635	580	NR	765	6	NR	895	0	NR
380	1	NR	510	346	NR	640	216	NR	770	5	NR	900	0	NR
385	1	NR	515	361	NR	645	221	NR	775	4	NR	905	0	NR
390	2	NR	520	369	NR	650	185	NR	780	4	NR	910	0	NR
395	3	NR	525	374	NR	655	158	NR	785	3	NR	915	0	NR
400	4	NR	530	376	NR	660	136	NR	790	3	NR	920	0	NR
405	6	NR	535	379	NR	665	116	NR	795	2	NR	925	0	NR
410	8	NR	540	381	NR	670	106	NR	800	2	NR	930	0	NR
415	13	NR	545	381	NR	675	88	NR	805	2	NR	935	0	NR
420	22	NR	550	383	NR	680	76	NR	810	2	NR	940	0	NR
425	37	NR	555	386	NR	685	65	NR	815	1	NR	945	0	NR
430	66	NR	560	386	NR	690	56	NR	820	1	NR	950	0	NR
435	119	NR	565	385	NR	695	48	NR	825	1	NR	955	0	NR
440	203	NR	570	382	NR	700	41	NR	830	1	NR	960	0	NR
445	359	NR	575	379	NR	705	35	NR	835	1	NR	965	0	NR
450	620	NR	580	376	NR	710	30	NR	840	1	NR	970	0	NR
455	752	NR	585	372	NR	715	26	NR	845	1	NR	975	0	NR
460	576	NR	590	368	NR	720	22	NR	850	1	NR	980	0	NR
465	423	NR	595	363	NR	725	19	NR	855	0	NR	985	0	NR
470	354	NR	600	358	NR	730	16	NR	860	0	NR	990	0	NR
475	280	NR	605	355	NR	735	14	NR	865	0	NR	995	0	NR
480	232	NR	610	375	NR	740	12	NR	870	0	NR	1000	0	NR
485	232	NR	615	379	NR	745	10	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



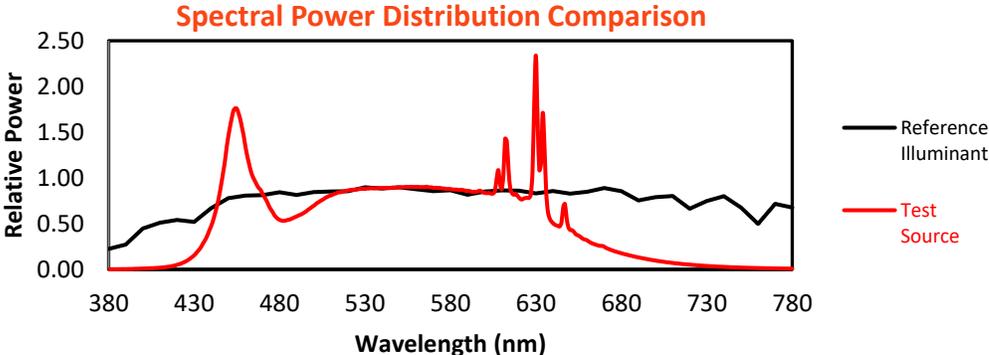
Melanopic Lumens: NR

M/P: 4.65

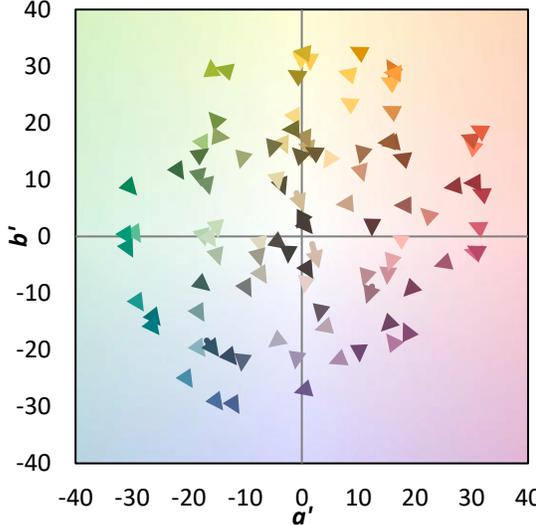
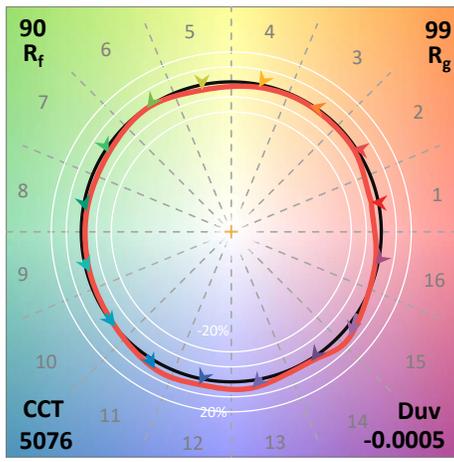
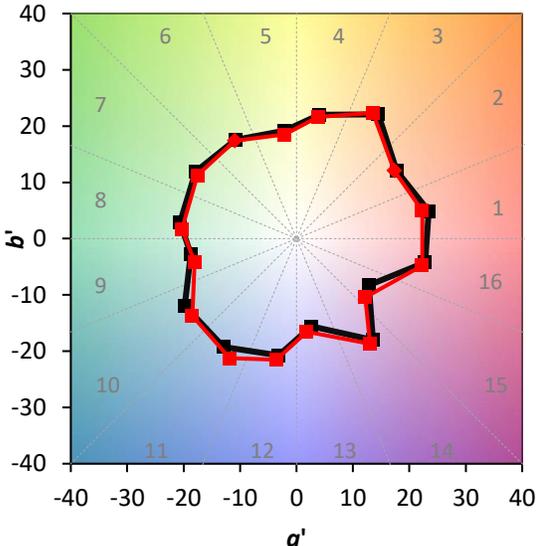
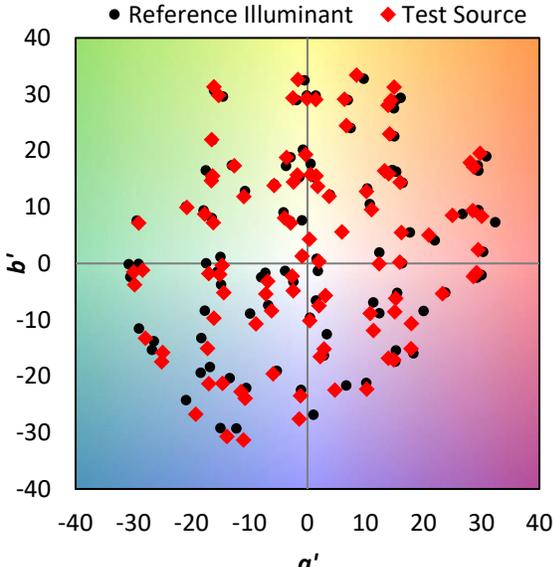
λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	248	NR	620	337	NR	750	9	NR	880	0	NR
365	0	NR	495	269	NR	625	335	NR	755	8	NR	885	0	NR
370	0	NR	500	298	NR	630	1000	NR	760	6	NR	890	0	NR
375	0	NR	505	325	NR	635	580	NR	765	6	NR	895	0	NR
380	1	NR	510	346	NR	640	216	NR	770	5	NR	900	0	NR
385	1	NR	515	361	NR	645	221	NR	775	4	NR	905	0	NR
390	2	NR	520	369	NR	650	185	NR	780	4	NR	910	0	NR
395	3	NR	525	374	NR	655	158	NR	785	3	NR	915	0	NR
400	4	NR	530	376	NR	660	136	NR	790	3	NR	920	0	NR
405	6	NR	535	379	NR	665	116	NR	795	2	NR	925	0	NR
410	8	NR	540	381	NR	670	106	NR	800	2	NR	930	0	NR
415	13	NR	545	381	NR	675	88	NR	805	2	NR	935	0	NR
420	22	NR	550	383	NR	680	76	NR	810	2	NR	940	0	NR
425	37	NR	555	386	NR	685	65	NR	815	1	NR	945	0	NR
430	66	NR	560	386	NR	690	56	NR	820	1	NR	950	0	NR
435	119	NR	565	385	NR	695	48	NR	825	1	NR	955	0	NR
440	203	NR	570	382	NR	700	41	NR	830	1	NR	960	0	NR
445	359	NR	575	379	NR	705	35	NR	835	1	NR	965	0	NR
450	620	NR	580	376	NR	710	30	NR	840	1	NR	970	0	NR
455	752	NR	585	372	NR	715	26	NR	845	1	NR	975	0	NR
460	576	NR	590	368	NR	720	22	NR	850	1	NR	980	0	NR
465	423	NR	595	363	NR	725	19	NR	855	0	NR	985	0	NR
470	354	NR	600	358	NR	730	16	NR	860	0	NR	990	0	NR
475	280	NR	605	355	NR	735	14	NR	865	0	NR	995	0	NR
480	232	NR	610	375	NR	740	12	NR	870	0	NR	1000	0	NR
485	232	NR	615	379	NR	745	10	NR	875	0	NR			

**Summary**

$R_f = 90.4$   
 $R_g = 99$   
 CIE  $R_a = 94.9$   
 $R_9 = 74.0$

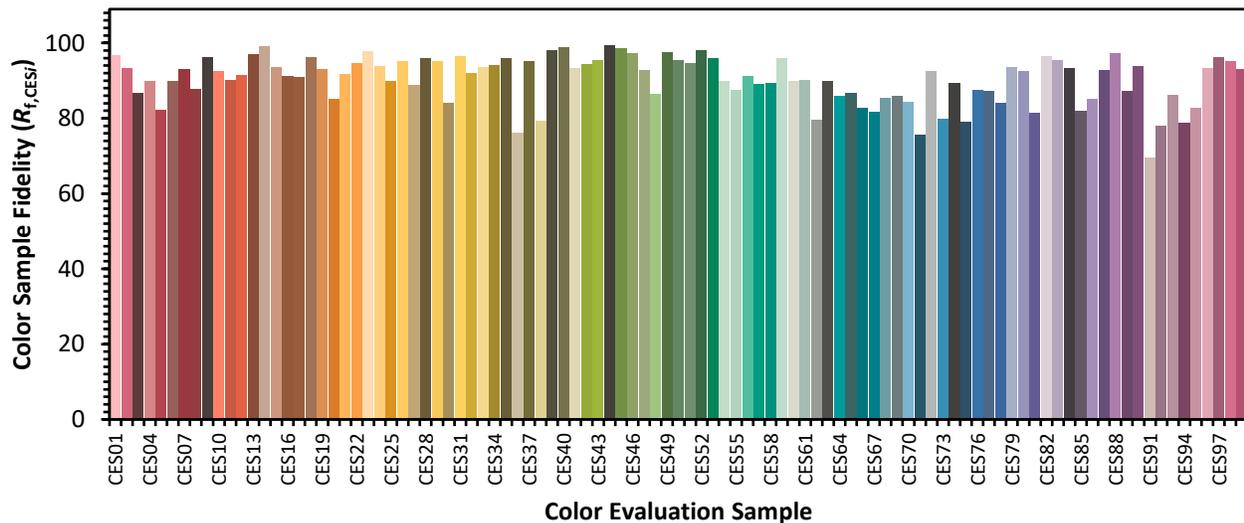


**Color Vector Graphics**

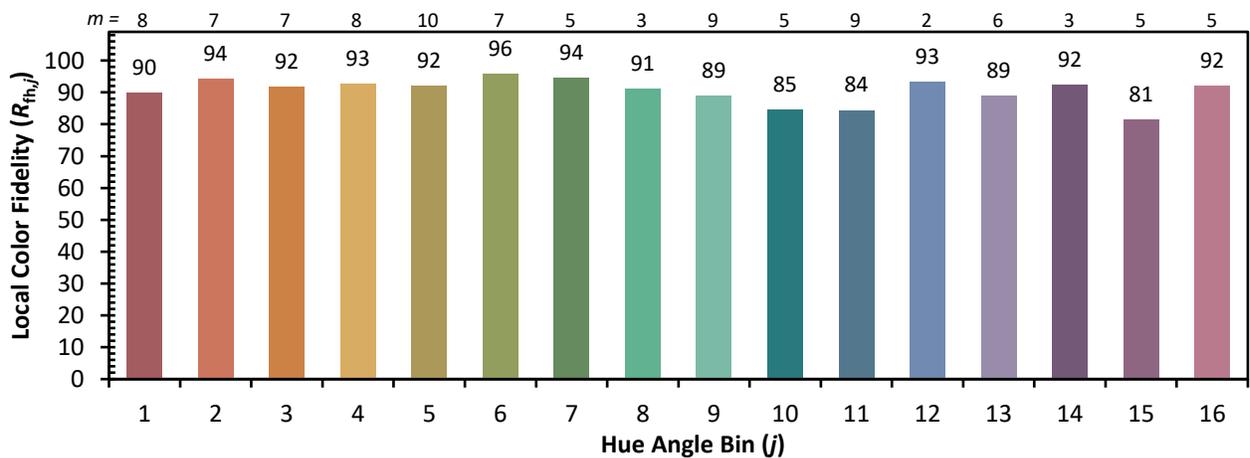
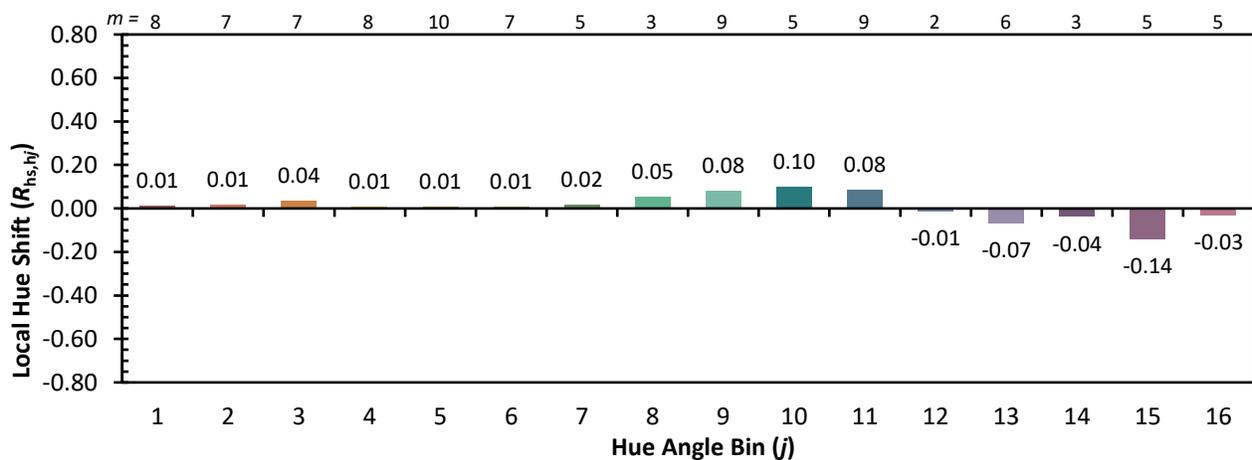
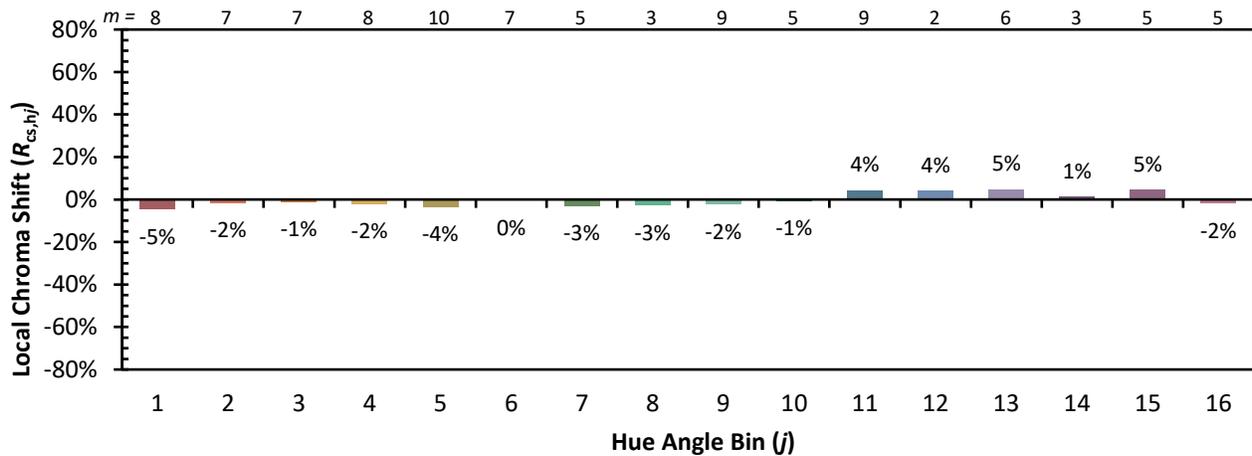


**Individual Sample Fidelity Index ( $R_{f,i}$ )**

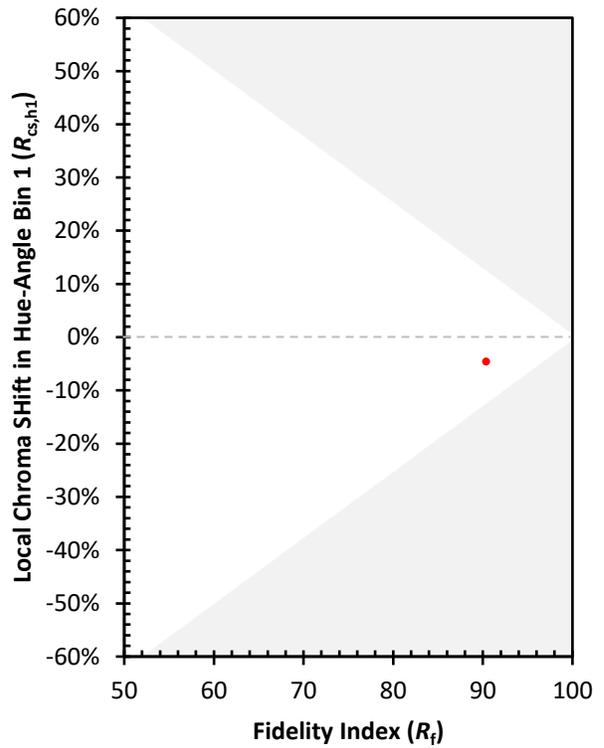
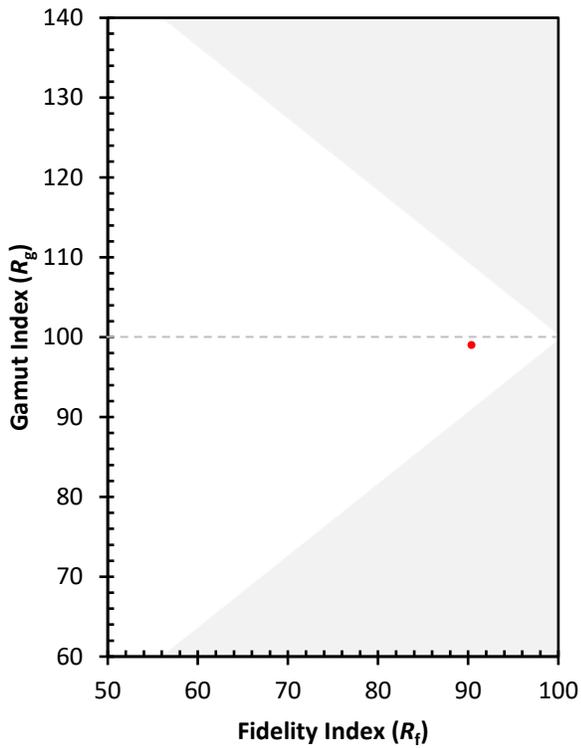
CES01 = 85	CES26 = 95	CES51 = 95	CES76 = 87
CES02 = 61	CES27 = 89	CES52 = 98	CES77 = 87
CES03 = 31	CES28 = 96	CES53 = 96	CES78 = 84
CES04 = 69	CES29 = 95	CES54 = 90	CES79 = 94
CES05 = 48	CES30 = 84	CES55 = 88	CES80 = 93
CES06 = 50	CES31 = 96	CES56 = 91	CES81 = 81
CES07 = 41	CES32 = 92	CES57 = 89	CES82 = 97
CES08 = 40	CES33 = 94	CES58 = 89	CES83 = 95
CES09 = 29	CES34 = 94	CES59 = 96	CES84 = 93
CES10 = 73	CES35 = 96	CES60 = 90	CES85 = 82
CES11 = 56	CES36 = 76	CES61 = 90	CES86 = 85
CES12 = 62	CES37 = 95	CES62 = 80	CES87 = 93
CES13 = 42	CES38 = 79	CES63 = 90	CES88 = 97
CES14 = 74	CES39 = 98	CES64 = 86	CES89 = 87
CES15 = 71	CES40 = 99	CES65 = 87	CES90 = 94
CES16 = 47	CES41 = 93	CES66 = 83	CES91 = 70
CES17 = 48	CES42 = 94	CES67 = 82	CES92 = 78
CES18 = 56	CES43 = 95	CES68 = 85	CES93 = 86
CES19 = 70	CES44 = 99	CES69 = 86	CES94 = 79
CES20 = 65	CES45 = 99	CES70 = 84	CES95 = 83
CES21 = 85	CES46 = 97	CES71 = 76	CES96 = 93
CES22 = 77	CES47 = 93	CES72 = 92	CES97 = 96
CES23 = 91	CES48 = 86	CES73 = 80	CES98 = 95
CES24 = 90	CES49 = 98	CES74 = 89	CES99 = 93
CES25 = 70	CES50 = 96	CES75 = 79	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)