

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: CORELITE

Report Number: P1216315

Luminaire Tested: 24-ID2-65-DBD-L840-U

Issue Date: 12/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1216315
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2508-510-11)
Test Lab: INNOVATION CENTER
Issue Date: 12/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24-ID2-65-DBD-L840-U
Description: 2X4 IN DEPTH TROFFER WITH 2INCH DOUBLE BARREL DROP
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

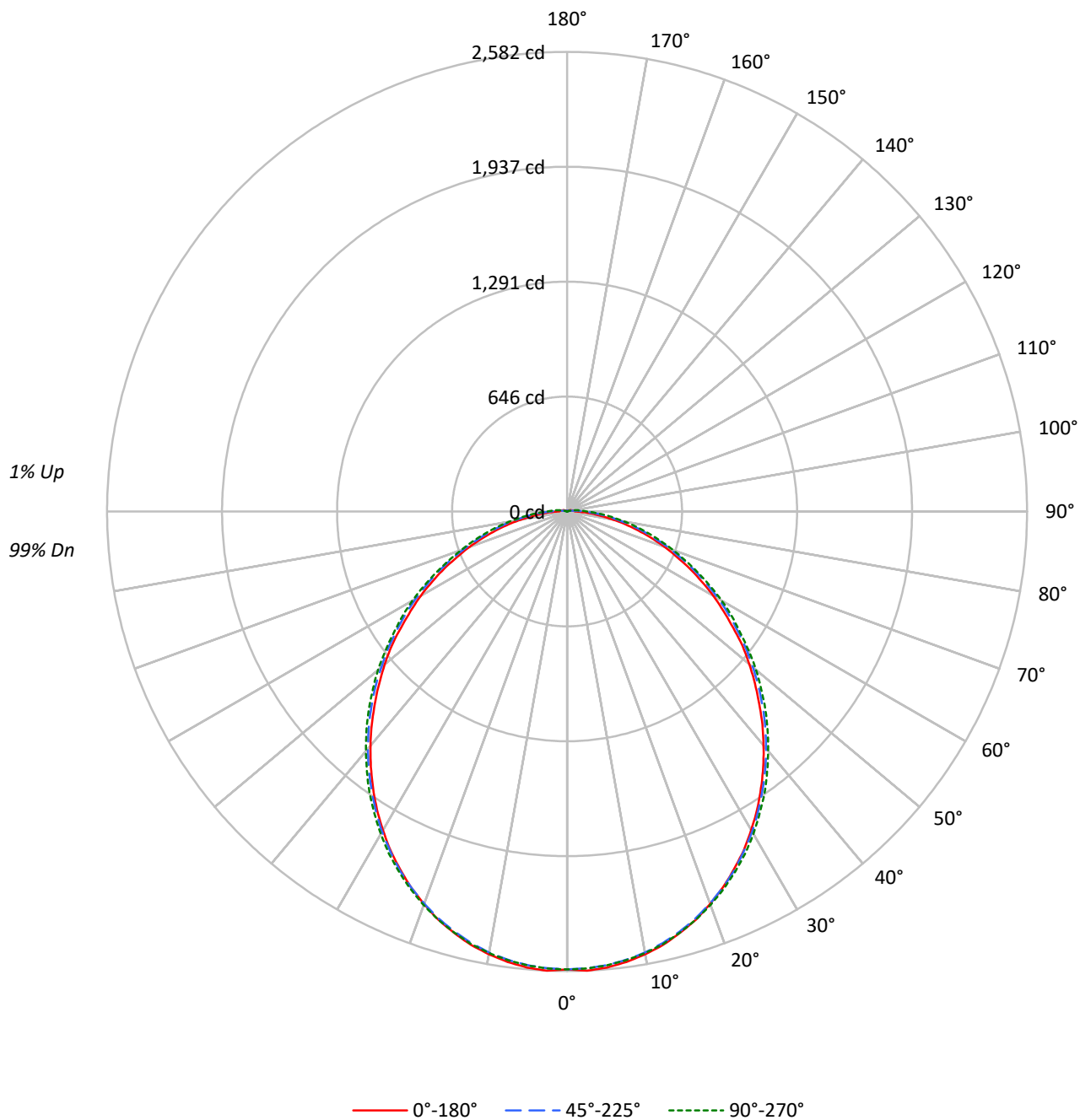
Lumens per Lamp: N/A
Luminaire Lumens: 6943.7 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.21 / 1.31
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 4' x H: 0.15')
CIE Type: Direct

Input Watts (W): 56.1
Input Voltage (V): 120
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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CATALOG NUMBER: 24-ID2-65-DBD-L840-U

Luminous Intensity Polar Plot



TEST NUMBER: P1216315

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		0
RCR																	
0	119	119	119	119	116	116	116	116	110	110	110		105	105	105		99
1	108	103	99	95	105	101	97	93	96	93	90		92	90	87		82
2	98	90	83	77	96	88	82	76	84	79	74		81	76	73		68
3	90	79	71	65	87	78	70	64	74	68	63		71	66	61		58
4	82	70	62	55	80	69	61	54	66	59	54		64	58	53		50
5	76	63	54	47	74	62	53	47	60	52	46		57	51	46		43
6	70	57	48	41	68	56	47	41	54	46	41		52	45	40		38
7	65	52	43	37	63	51	42	37	49	42	36		47	41	36		33
8	61	47	39	33	59	46	38	33	45	38	32		44	37	32		30
9	57	43	35	30	55	43	35	29	41	34	29		40	34	29		27
10	53	40	32	27	52	39	32	27	38	31	27		37	31	26		25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3462	3462	3462
5°	3462	3432	3435
10°	3429	3390	3397
15°	3380	3332	3344
20°	3315	3262	3281
25°	3235	3182	3203
30°	3143	3086	3115
35°	3038	2976	3016
40°	2922	2862	2902
45°	2796	2738	2786
50°	2677	2604	2662
55°	2533	2461	2514
60°	2396	2319	2388
65°	2241	2159	2216
70°	2083	1984	2055
75°	1886	1811	1912
80°	1680	1638	1777
85°	1503	1487	1695

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2796 cd/sqm

TEST NUMBER: P1216315
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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.0	3.5
10°-20°	689.4	9.9
20°-30°	1023.3	14.7
30°-40°	1196.5	17.2
40°-50°	1197.1	17.2
50°-60°	1044.4	15.0
60°-70°	782.0	11.3
70°-80°	476.4	6.9
80°-90°	201.0	2.9
90°-100°	59.4	0.9
100°-110°	18.3	0.3
110°-120°	6.9	0.1
120°-130°	3.5	0.1
130°-140°	1.6	0.0
140°-150°	0.8	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1955.7	28.2
0°-40°	3152.1	45.4
0°-60°	5393.6	77.7
0°-90°	6853.0	98.7
90°-120°	84.6	1.2
90°-150°	90.6	1.3
90°-180°	91.0	1.3
0°-180°	6943.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2573	2573	2573	2573	2573	
5°	2572	2563	2559	2555	2560	244
15°	2451	2445	2443	2444	2449	691
25°	2218	2216	2223	2227	2233	1021
35°	1898	1900	1912	1926	1932	1187
45°	1525	1533	1553	1570	1574	1178
55°	1138	1145	1168	1184	1186	1020
65°	760	770	794	805	808	753
75°	414	429	452	469	471	440
85°	139	158	184	202	204	139
90°	46	70	90	106	110	30
95°	38	37	52	66	70	30
105°	25	20	11	11	14	26
115°	15	12	7	1	0	15
125°	9	8	4	0	0	8
135°	5	4	1	1	0	4
145°	2	2	1	1	1	1
155°	0	0	0	0	0	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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CATALOG NUMBER: 24-ID2-65-DBD-L840-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2572.9	2572.9	2572.9	2572.9	2572.9
2.5°	2582.4	2573.9	2568.1	2565.3	2569.1
5°	2572.0	2563.4	2558.6	2554.8	2559.6
7.5°	2552.9	2544.3	2540.5	2538.6	2542.4
10°	2526.2	2517.6	2515.7	2512.9	2519.5
12.5°	2493.8	2485.2	2483.3	2482.4	2489.0
15°	2450.9	2445.2	2443.3	2444.3	2449.0
17.5°	2404.2	2397.6	2396.6	2398.5	2404.2
20°	2347.1	2343.2	2344.2	2349.0	2353.7
22.5°	2286.1	2282.3	2286.1	2288.0	2295.6
25°	2217.5	2216.5	2223.2	2227.0	2232.7
27.5°	2146.9	2146.9	2150.8	2157.4	2166.0
30°	2066.9	2067.9	2077.4	2083.1	2091.7
32.5°	1985.9	1987.8	1996.4	2005.9	2011.6
35°	1898.2	1900.1	1912.5	1925.9	1932.5
37.5°	1808.7	1813.4	1827.7	1840.1	1844.9
40°	1716.2	1721.9	1738.1	1753.4	1756.2
42.5°	1622.8	1628.6	1647.6	1663.8	1666.7
45°	1524.7	1533.3	1553.3	1569.5	1574.2
47.5°	1430.3	1438.9	1458.9	1476.1	1478.0
50°	1336.0	1341.7	1361.7	1377.9	1385.6
52.5°	1241.7	1247.4	1266.4	1286.5	1285.5
55°	1137.8	1145.4	1168.3	1184.5	1186.4
57.5°	1040.6	1051.1	1074.9	1091.1	1096.8
60°	948.2	956.7	980.6	993.9	1002.5
62.5°	851.9	862.4	885.3	900.5	904.3
65°	760.4	770.0	793.8	805.2	808.1
67.5°	666.1	679.4	701.4	715.6	717.6
70°	584.1	593.7	614.6	628.9	629.9
72.5°	495.5	508.9	529.8	547.0	551.7
75°	413.6	428.8	451.7	468.8	470.7
77.5°	335.4	351.6	380.2	397.4	398.3
80°	263.0	281.1	306.8	326.9	326.9
82.5°	195.4	216.3	245.9	264.0	263.0
85°	139.1	158.2	183.9	202.0	203.9
87.5°	86.7	106.7	131.5	146.8	150.6
90°	45.7	69.6	90.5	105.8	109.6
92.5°	41.9	50.5	70.5	84.8	87.7
95°	38.1	37.2	52.4	65.8	69.6
97.5°	34.3	28.6	37.2	48.6	52.4
100°	30.5	25.7	26.7	34.3	37.2
102.5°	27.6	22.9	16.2	21.9	24.8
105°	24.8	20.0	11.4	11.4	14.3
107.5°	21.9	18.1	10.5	4.8	6.7
110°	19.1	16.2	8.6	1.9	1.0

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	17.2	14.3	7.6	1.0	0.0
115°	15.2	12.4	6.7	1.0	0.0
117.5°	13.3	11.4	5.7	0.0	0.0
120°	11.4	9.5	4.8	0.0	0.0
122.5°	10.5	8.6	3.8	0.0	0.0
125°	8.6	7.6	3.8	0.0	0.0
127.5°	7.6	6.7	2.9	0.0	0.0
130°	6.7	5.7	1.9	0.0	0.0
132.5°	5.7	4.8	1.9	0.0	0.0
135°	4.8	3.8	1.0	1.0	0.0
137.5°	3.8	2.9	1.0	1.0	0.0
140°	2.9	2.9	1.0	1.0	0.0
142.5°	2.9	1.9	1.0	1.0	0.0
145°	1.9	1.9	1.0	1.0	1.0
147.5°	1.9	1.0	1.0	1.0	1.0
150°	1.0	1.0	1.0	1.0	1.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
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	14.75	16.35	15.14	16.69	17.04	15.15	16.74	15.53	17.09	17.43
	3H	16.40	17.85	16.80	18.21	18.60	16.91	18.36	17.31	18.71	19.11
	4H	17.02	18.38	17.44	18.76	19.16	17.63	19.00	18.05	19.37	19.78
	6H	17.47	18.74	17.90	19.13	19.55	18.25	19.51	18.68	19.91	20.33
	8H	17.62	18.83	18.07	19.25	19.68	18.50	19.71	18.95	20.13	20.56
	12H	17.73	18.89	18.18	19.30	19.76	18.73	19.89	19.18	20.30	20.76
4H	2H	15.38	16.74	15.80	17.12	17.53	15.70	17.06	16.12	17.44	17.84
	3H	17.25	18.40	17.69	18.83	19.26	17.69	18.84	18.12	19.26	19.69
	4H	18.00	19.04	18.45	19.47	19.94	18.55	19.59	19.00	20.03	20.50
	6H	18.58	19.49	19.05	19.96	20.44	19.32	20.23	19.79	20.70	21.18
	8H	18.78	19.64	19.26	20.10	20.60	19.64	20.49	20.12	20.96	21.46
	12H	18.94	19.71	19.44	20.21	20.71	19.94	20.71	20.44	21.21	21.71
8H	4H	18.34	19.20	18.82	19.66	20.16	18.83	19.69	19.31	20.15	20.65
	6H	19.06	19.78	19.57	20.29	20.79	19.74	20.46	20.26	20.97	21.48
	8H	19.34	19.99	19.87	20.52	21.03	20.17	20.81	20.70	21.34	21.86
	12H	19.59	20.16	20.11	20.67	21.26	20.59	21.16	21.12	21.67	22.26
12H	4H	18.39	19.17	18.90	19.66	20.16	18.86	19.63	19.36	20.13	20.63
	6H	19.15	19.80	19.68	20.32	20.84	19.80	20.45	20.33	20.98	21.49
	8H	19.50	20.07	20.03	20.59	21.18	20.29	20.87	20.82	21.38	21.97

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

Report Prepared for

Cooper Lighting Solutions

Corelite

Report Number: SP1-2506-458-5

Test Date: 08/26/2025

Luminaire Tested: 22ID2-55-CFR1-L840-U

Data in this report applies to families of products including 22ID2-55-CFR1-L840-U

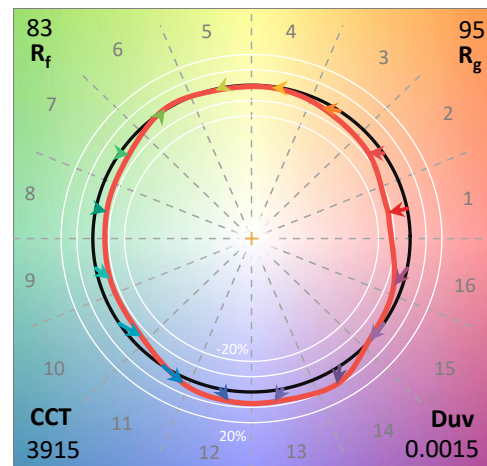
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-458-5
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 08/27/2025
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: Corelite
 Catalog Number: **22ID2-55-CFR1-L840-U**
 Description: 2X2 CGTX WITH INDEPTH FRAME AND CFR1 LENS - 5500 LUMEN 4000K 80CRI

Spectral Parameters

CCT (K): 3915
 CIE u' : 0.2259
 CIE v' : 0.5051
 Duv: 0.0015
 CIE x: 0.3854
 CIE y: 0.3830
 CIE z: 0.2316
 Peak Wavelength (nm): 453
 Dominant Wavelength (nm): 578
 Purity: 30.6207
 R_f: 83.2
 R_g: 94.6

CRI (Ra): 82.3
 R1: 80.6
 R2: 88.9
 R3: 94.6
 R4: 80.5
 R5: 80.0
 R6: 84.0
 R7: 86.1
 R8: 64.0
 R9: 7.6
 R10: 72.9
 R11: 78.7
 R12: 57.3
 R13: 82.7
 R14: 97.1
 R15: 74.3



Test Conditions

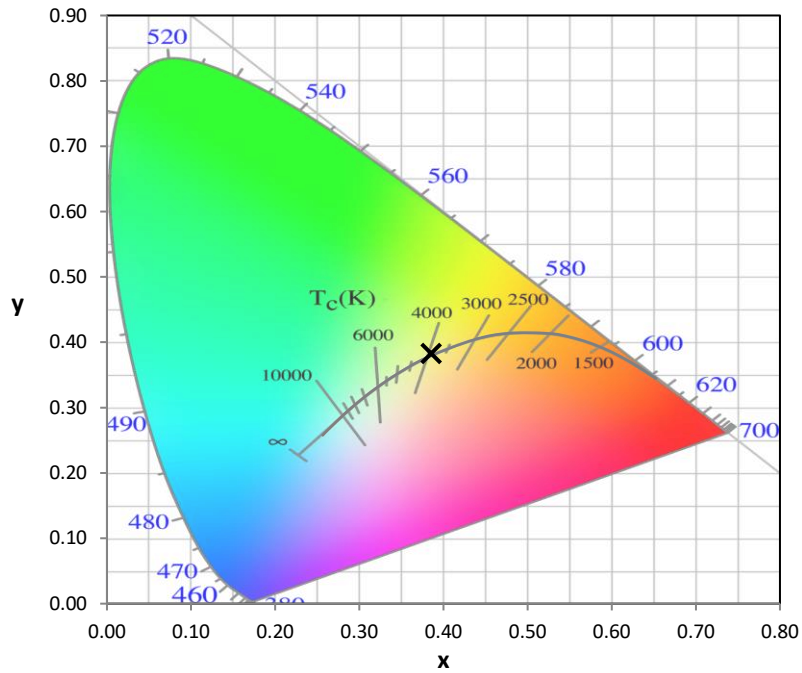
Stabilization Time: 34M
 Operation Time: 1H 34M
 Sphere Temperature (°C): 25.2

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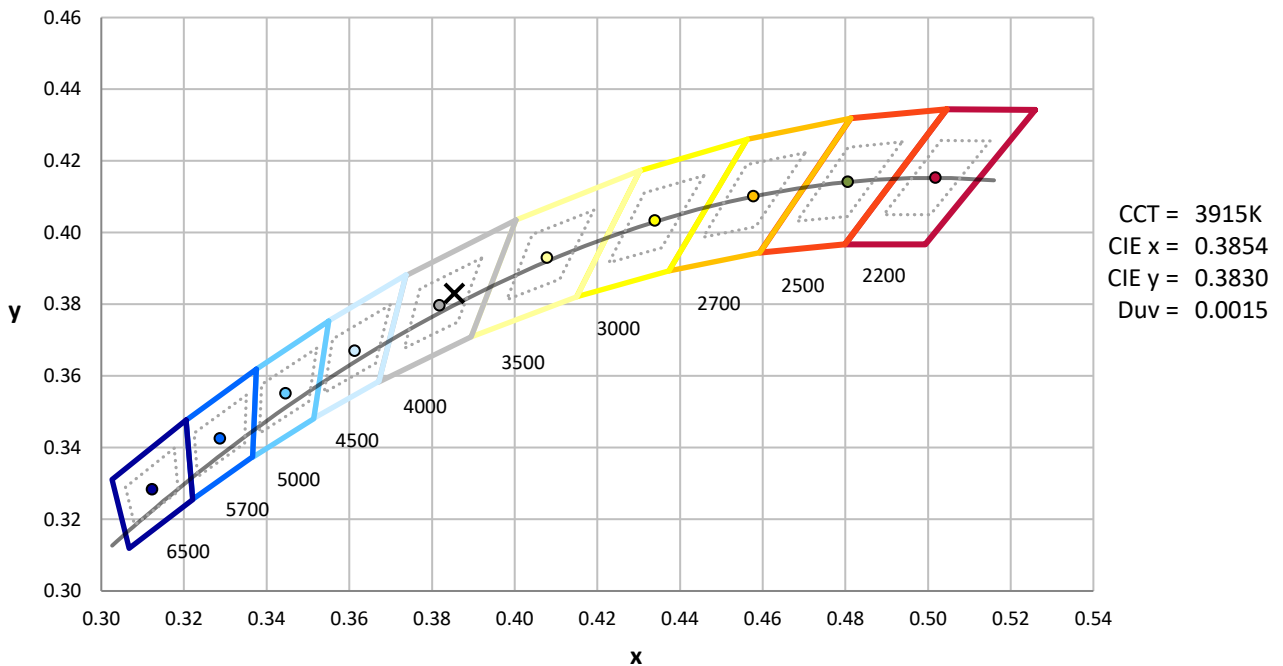
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208	10/22/2024	10/22/2025
Sphere Thermometer	ONSET IN0085	10/22/2024	10/22/2025
Room Thermometer	ONSET IN0046	10/22/2024	10/22/2025

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CIE 1931 Chromaticity Diagram



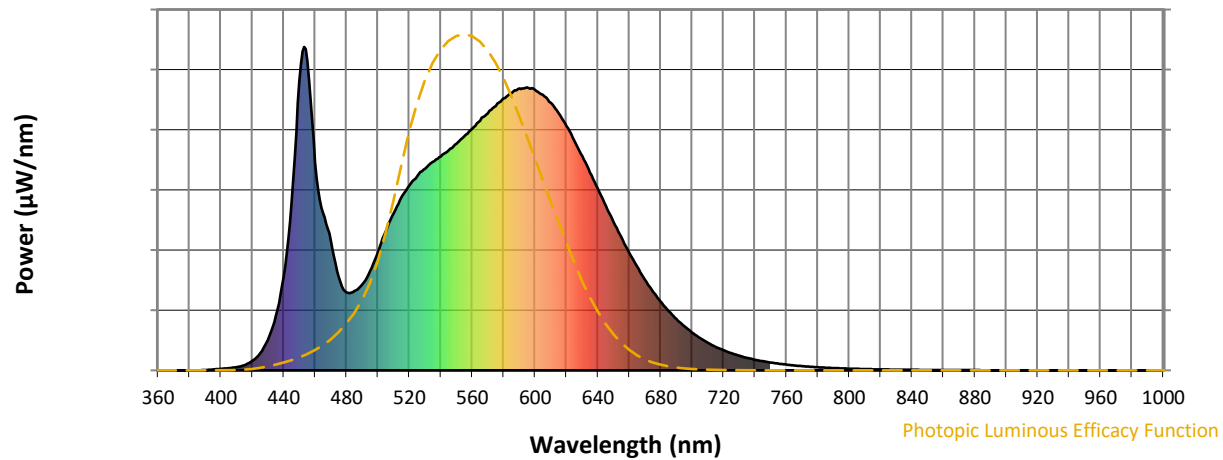
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

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Photopic Flux vs. Wavelength

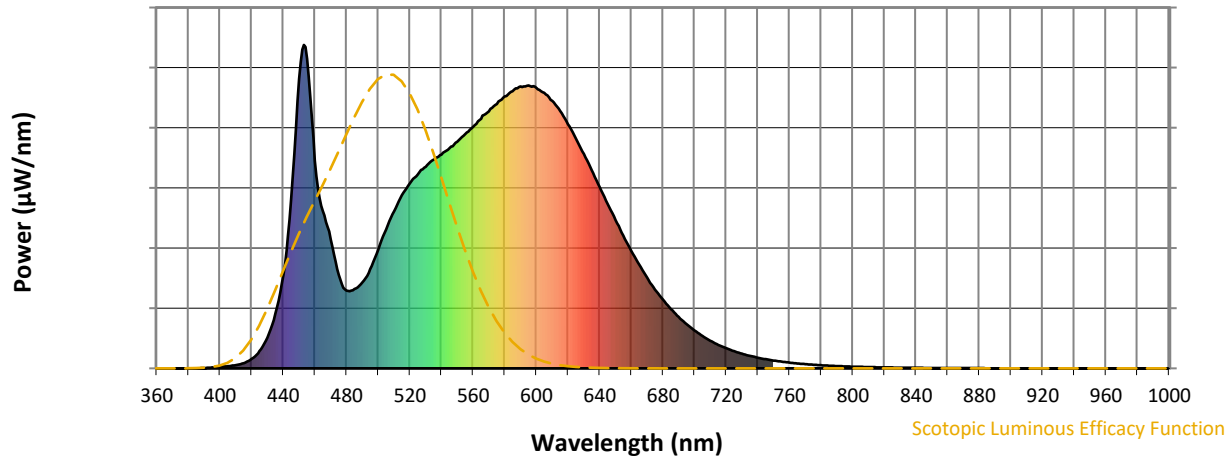


Photopic Lumens: NR

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	266	NR	620	755	NR	750	24	NR	880	1	NR
365	0	NR	495	307	NR	625	710	NR	755	21	NR	885	0	NR
370	0	NR	500	366	NR	630	663	NR	760	18	NR	890	0	NR
375	0	NR	505	430	NR	635	612	NR	765	15	NR	895	0	NR
380	0	NR	510	486	NR	640	561	NR	770	13	NR	900	0	NR
385	0	NR	515	536	NR	645	509	NR	775	11	NR	905	0	NR
390	1	NR	520	571	NR	650	458	NR	780	10	NR	910	0	NR
395	3	NR	525	600	NR	655	410	NR	785	8	NR	915	0	NR
400	5	NR	530	624	NR	660	363	NR	790	7	NR	920	0	NR
405	7	NR	535	645	NR	665	321	NR	795	6	NR	925	0	NR
410	10	NR	540	661	NR	670	280	NR	800	5	NR	930	0	NR
415	16	NR	545	681	NR	675	244	NR	805	5	NR	935	0	NR
420	30	NR	550	701	NR	680	213	NR	810	4	NR	940	0	NR
425	53	NR	555	724	NR	685	183	NR	815	3	NR	945	0	NR
430	95	NR	560	747	NR	690	159	NR	820	3	NR	950	0	NR
435	170	NR	565	772	NR	695	136	NR	825	3	NR	955	0	NR
440	289	NR	570	795	NR	700	117	NR	830	2	NR	960	0	NR
445	522	NR	575	817	NR	705	100	NR	835	2	NR	965	0	NR
450	895	NR	580	841	NR	710	85	NR	840	2	NR	970	0	NR
455	957	NR	585	857	NR	715	72	NR	845	1	NR	975	0	NR
460	642	NR	590	871	NR	720	62	NR	850	1	NR	980	0	NR
465	487	NR	595	875	NR	725	53	NR	855	1	NR	985	0	NR
470	397	NR	600	866	NR	730	45	NR	860	1	NR	990	0	NR
475	289	NR	605	852	NR	735	39	NR	865	1	NR	995	0	NR
480	241	NR	610	827	NR	740	33	NR	870	1	NR	1000	0	NR
485	245	NR	615	796	NR	745	28	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



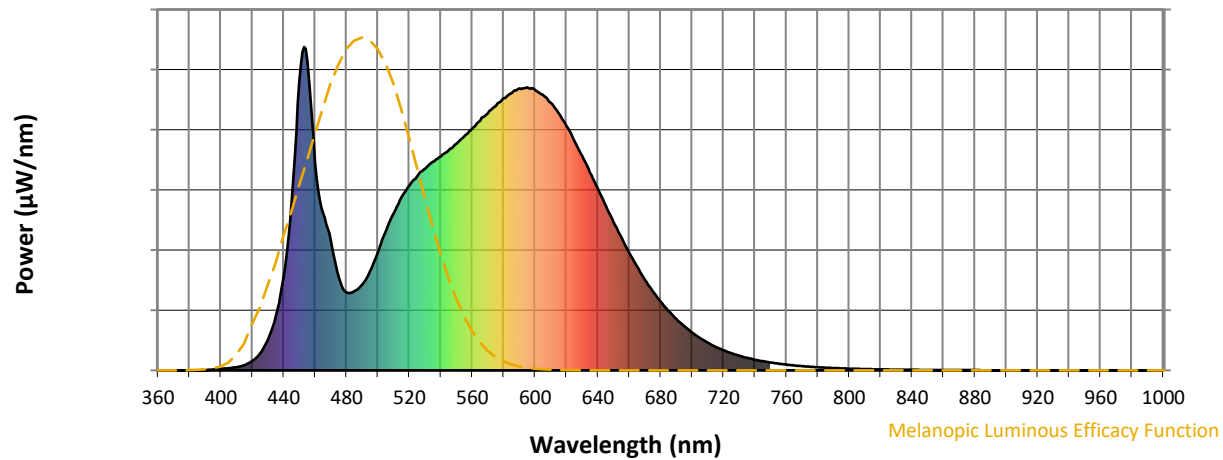
Scotopic Lumens: NR

S/P: 1.65

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	266	NR	620	755	NR	750	24	NR	880	1	NR
365	0	NR	495	307	NR	625	710	NR	755	21	NR	885	0	NR
370	0	NR	500	366	NR	630	663	NR	760	18	NR	890	0	NR
375	0	NR	505	430	NR	635	612	NR	765	15	NR	895	0	NR
380	0	NR	510	486	NR	640	561	NR	770	13	NR	900	0	NR
385	0	NR	515	536	NR	645	509	NR	775	11	NR	905	0	NR
390	1	NR	520	571	NR	650	458	NR	780	10	NR	910	0	NR
395	3	NR	525	600	NR	655	410	NR	785	8	NR	915	0	NR
400	5	NR	530	624	NR	660	363	NR	790	7	NR	920	0	NR
405	7	NR	535	645	NR	665	321	NR	795	6	NR	925	0	NR
410	10	NR	540	661	NR	670	280	NR	800	5	NR	930	0	NR
415	16	NR	545	681	NR	675	244	NR	805	5	NR	935	0	NR
420	30	NR	550	701	NR	680	213	NR	810	4	NR	940	0	NR
425	53	NR	555	724	NR	685	183	NR	815	3	NR	945	0	NR
430	95	NR	560	747	NR	690	159	NR	820	3	NR	950	0	NR
435	170	NR	565	772	NR	695	136	NR	825	3	NR	955	0	NR
440	289	NR	570	795	NR	700	117	NR	830	2	NR	960	0	NR
445	522	NR	575	817	NR	705	100	NR	835	2	NR	965	0	NR
450	895	NR	580	841	NR	710	85	NR	840	2	NR	970	0	NR
455	957	NR	585	857	NR	715	72	NR	845	1	NR	975	0	NR
460	642	NR	590	871	NR	720	62	NR	850	1	NR	980	0	NR
465	487	NR	595	875	NR	725	53	NR	855	1	NR	985	0	NR
470	397	NR	600	866	NR	730	45	NR	860	1	NR	990	0	NR
475	289	NR	605	852	NR	735	39	NR	865	1	NR	995	0	NR
480	241	NR	610	827	NR	740	33	NR	870	1	NR	1000	0	NR
485	245	NR	615	796	NR	745	28	NR	875	1	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 3.36

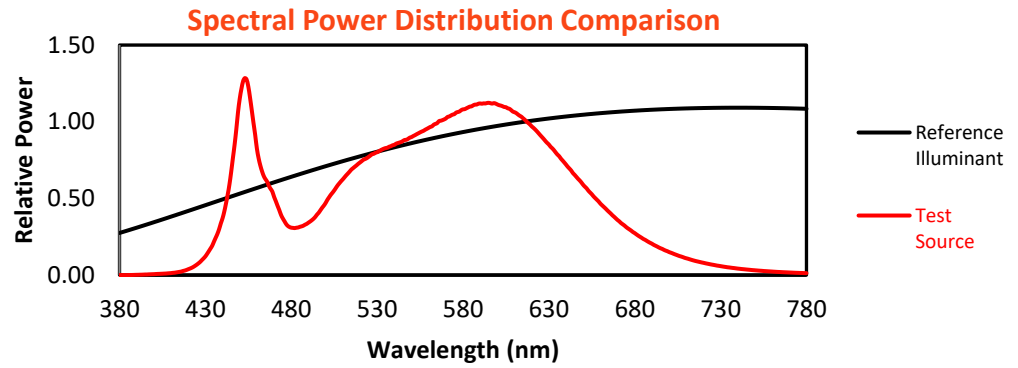
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	266	NR	620	755	NR	750	24	NR	880	1	NR
365	0	NR	495	307	NR	625	710	NR	755	21	NR	885	0	NR
370	0	NR	500	366	NR	630	663	NR	760	18	NR	890	0	NR
375	0	NR	505	430	NR	635	612	NR	765	15	NR	895	0	NR
380	0	NR	510	486	NR	640	561	NR	770	13	NR	900	0	NR
385	0	NR	515	536	NR	645	509	NR	775	11	NR	905	0	NR
390	1	NR	520	571	NR	650	458	NR	780	10	NR	910	0	NR
395	3	NR	525	600	NR	655	410	NR	785	8	NR	915	0	NR
400	5	NR	530	624	NR	660	363	NR	790	7	NR	920	0	NR
405	7	NR	535	645	NR	665	321	NR	795	6	NR	925	0	NR
410	10	NR	540	661	NR	670	280	NR	800	5	NR	930	0	NR
415	16	NR	545	681	NR	675	244	NR	805	5	NR	935	0	NR
420	30	NR	550	701	NR	680	213	NR	810	4	NR	940	0	NR
425	53	NR	555	724	NR	685	183	NR	815	3	NR	945	0	NR
430	95	NR	560	747	NR	690	159	NR	820	3	NR	950	0	NR
435	170	NR	565	772	NR	695	136	NR	825	3	NR	955	0	NR
440	289	NR	570	795	NR	700	117	NR	830	2	NR	960	0	NR
445	522	NR	575	817	NR	705	100	NR	835	2	NR	965	0	NR
450	895	NR	580	841	NR	710	85	NR	840	2	NR	970	0	NR
455	957	NR	585	857	NR	715	72	NR	845	1	NR	975	0	NR
460	642	NR	590	871	NR	720	62	NR	850	1	NR	980	0	NR
465	487	NR	595	875	NR	725	53	NR	855	1	NR	985	0	NR
470	397	NR	600	866	NR	730	45	NR	860	1	NR	990	0	NR
475	289	NR	605	852	NR	735	39	NR	865	1	NR	995	0	NR
480	241	NR	610	827	NR	740	33	NR	870	1	NR	1000	0	NR
485	245	NR	615	796	NR	745	28	NR	875	1	NR			

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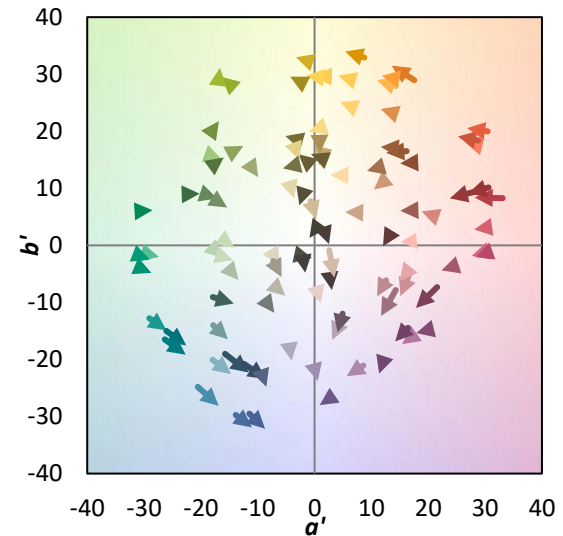
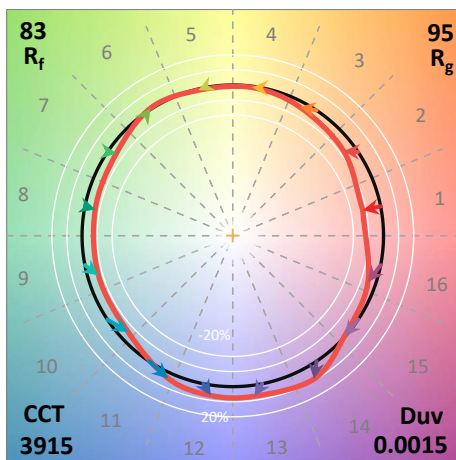
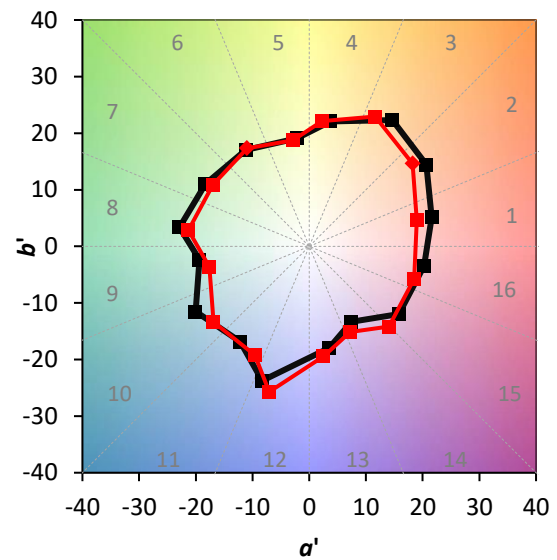
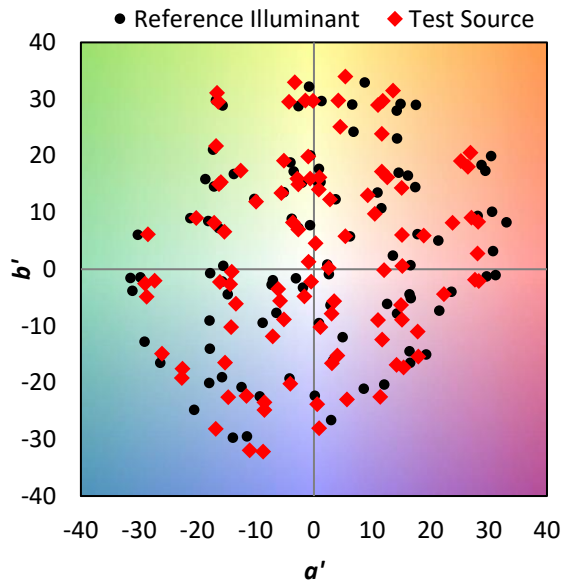
TM-30-18

Summary

$R_f = 83.2$
 $R_g = 94.6$
 $CIE R_a = 82.3$
 $R_9 = 7.6$

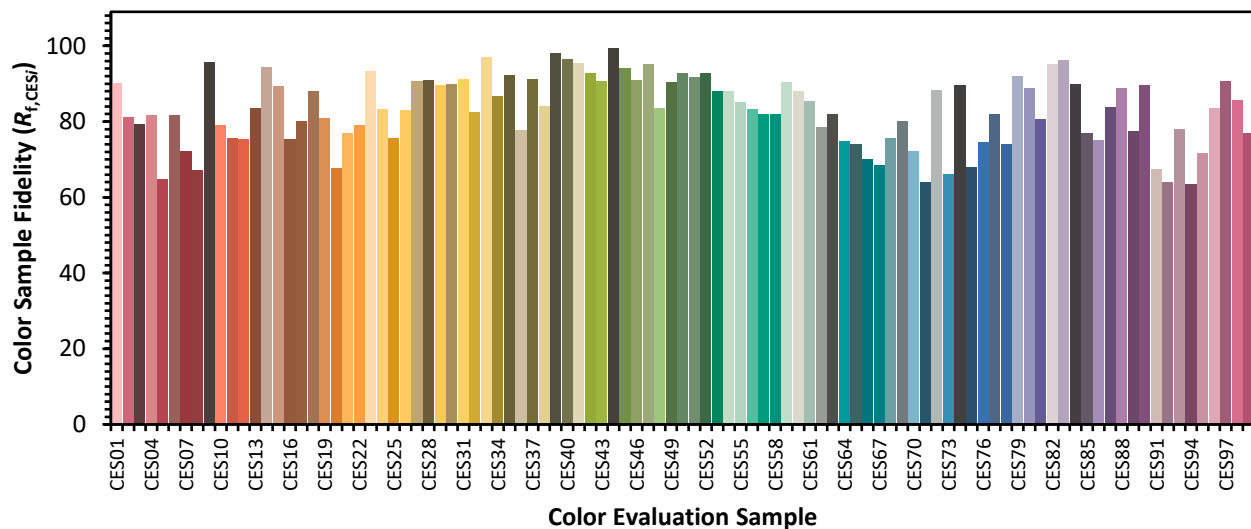


Color Vector Graphics

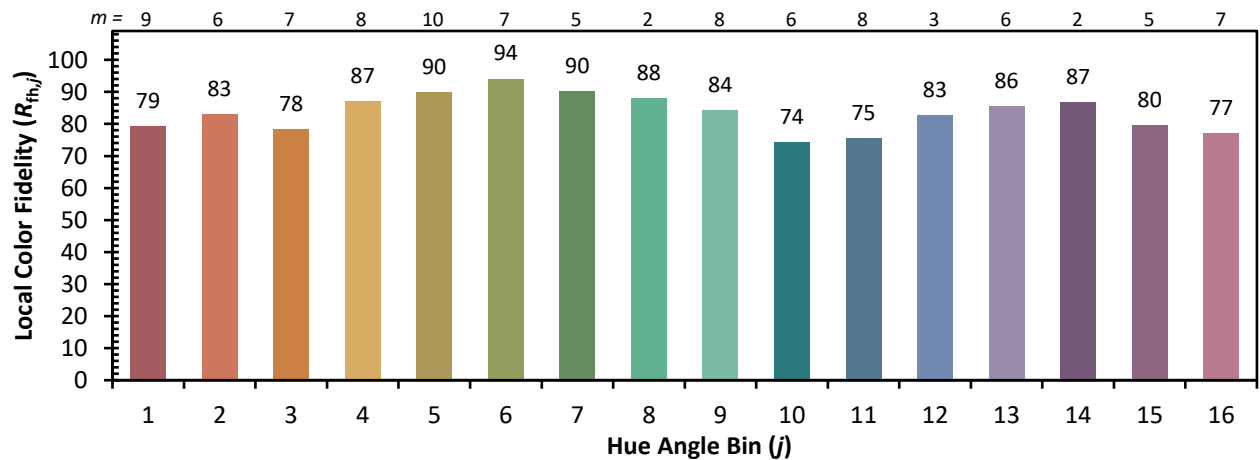
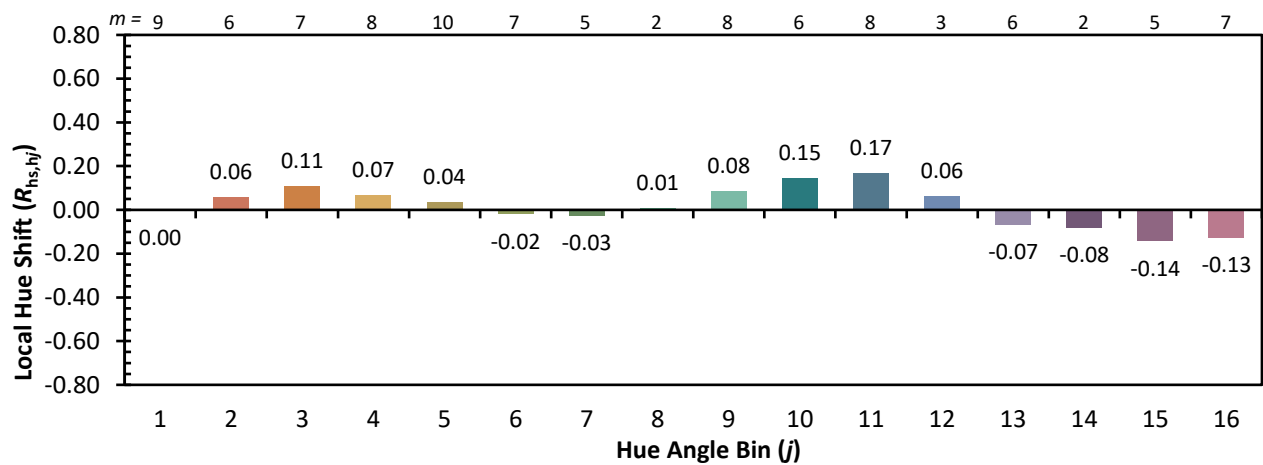
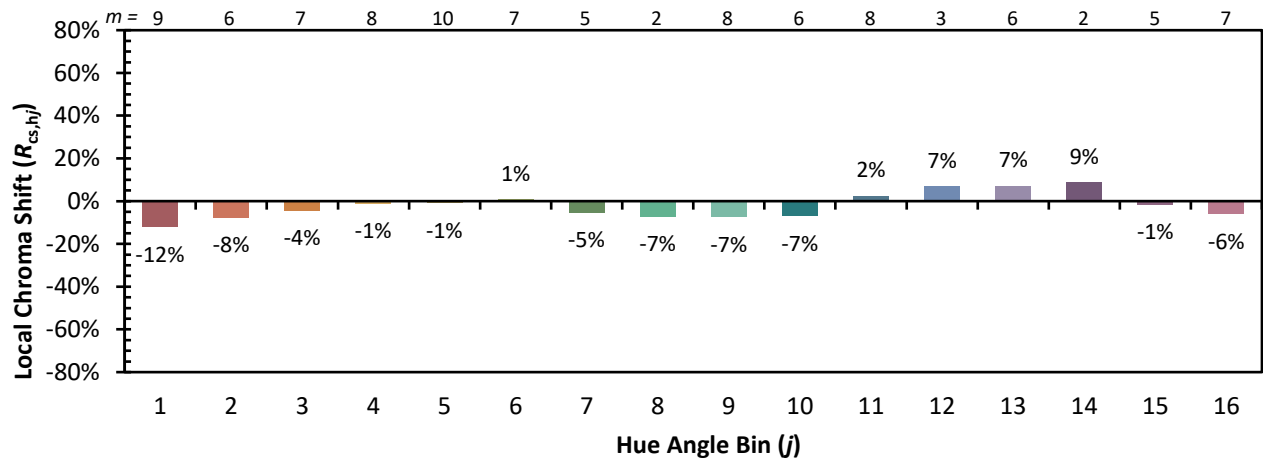


Individual Sample Fidelity Index ($R_{f,i}$)

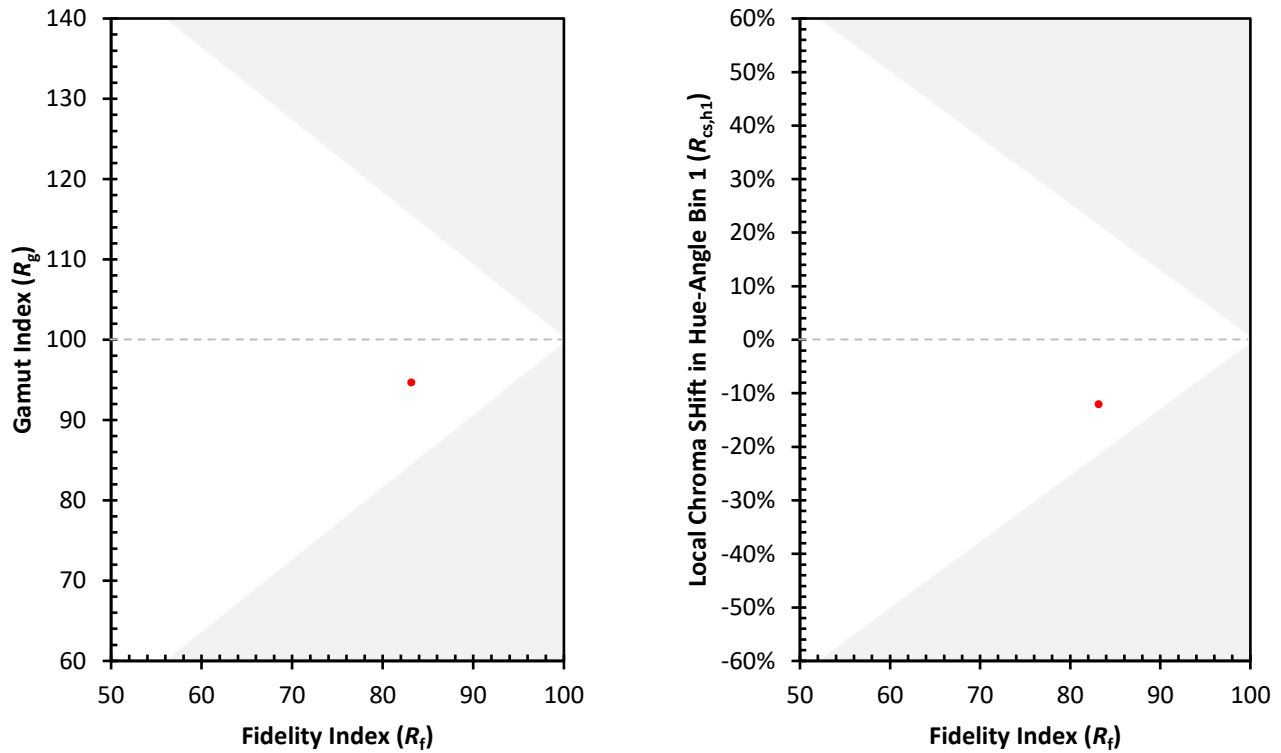
CES01 = 86	CES26 = 83	CES51 = 92	CES76 = 75
CES02 = 61	CES27 = 91	CES52 = 93	CES77 = 82
CES03 = 31	CES28 = 91	CES53 = 88	CES78 = 74
CES04 = 70	CES29 = 90	CES54 = 88	CES79 = 92
CES05 = 48	CES30 = 90	CES55 = 85	CES80 = 89
CES06 = 50	CES31 = 91	CES56 = 83	CES81 = 81
CES07 = 41	CES32 = 83	CES57 = 82	CES82 = 95
CES08 = 40	CES33 = 97	CES58 = 82	CES83 = 96
CES09 = 29	CES34 = 87	CES59 = 90	CES84 = 90
CES10 = 74	CES35 = 92	CES60 = 88	CES85 = 77
CES11 = 57	CES36 = 78	CES61 = 85	CES86 = 75
CES12 = 63	CES37 = 91	CES62 = 79	CES87 = 84
CES13 = 42	CES38 = 84	CES63 = 82	CES88 = 89
CES14 = 74	CES39 = 98	CES64 = 75	CES89 = 77
CES15 = 71	CES40 = 96	CES65 = 74	CES90 = 90
CES16 = 47	CES41 = 95	CES66 = 70	CES91 = 67
CES17 = 49	CES42 = 93	CES67 = 69	CES92 = 64
CES18 = 56	CES43 = 91	CES68 = 76	CES93 = 78
CES19 = 71	CES44 = 99	CES69 = 80	CES94 = 63
CES20 = 65	CES45 = 94	CES70 = 72	CES95 = 72
CES21 = 86	CES46 = 91	CES71 = 64	CES96 = 84
CES22 = 78	CES47 = 95	CES72 = 88	CES97 = 91
CES23 = 91	CES48 = 83	CES73 = 66	CES98 = 86
CES24 = 90	CES49 = 90	CES74 = 90	CES99 = 77
CES25 = 71	CES50 = 93	CES75 = 68	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)