

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: P1216323

Luminaire Tested: 24-ID2-70-DBD-L840-U

Issue Date: 12/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1216323
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-ID2-70-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

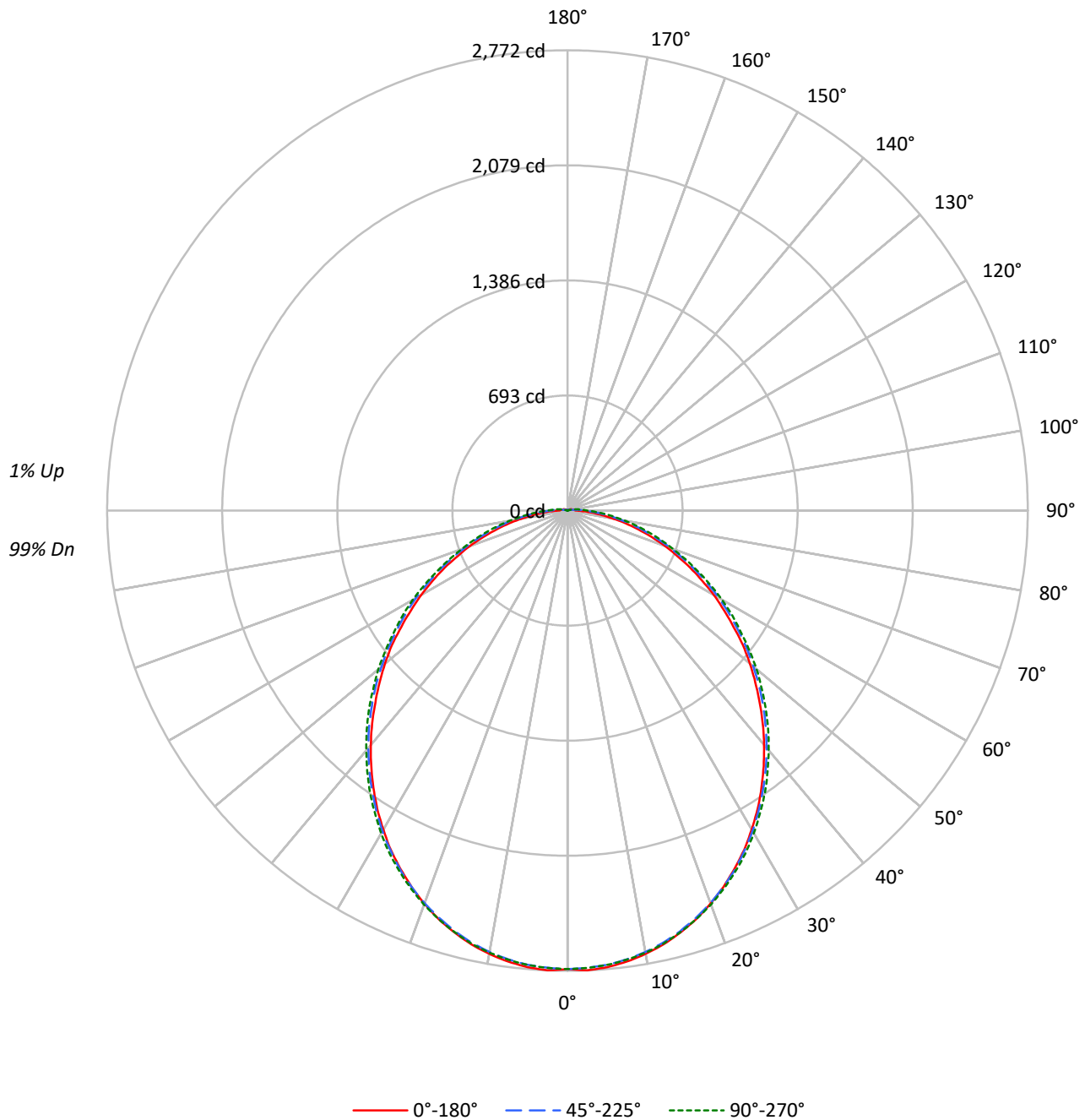
Lumens per Lamp: N/A
Luminaire Lumens: 7451.9 lumens
Efficiency: N/A
Efficacy: 123.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.21 / 1.31
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 4' x H: 0.15')
CIE Type: Direct

Input Watts (W): 60.3
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-ID2-70-DBD-L840-U

Luminous Intensity Polar Plot



TEST NUMBER: P1216323

CATALOG NUMBER: 24-ID2-70-DBD-L840-U

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		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		110	110	110		105	105	105		101	101	101
1	108	103	99	95	105	101	97	93		96	93	90		92	90	87		88	86	84
2	98	90	83	77	96	88	82	76		84	79	74		81	76	73		78	74	71
3	90	79	71	65	87	78	70	64		74	68	63		71	66	61		69	64	60
4	82	70	62	55	80	69	61	54		66	59	54		64	58	53		61	56	52
5	76	63	54	47	74	62	53	47		60	52	46		57	51	46		55	50	45
6	70	57	48	41	68	56	47	41		54	46	41		52	45	40		50	44	40
7	65	52	43	37	63	51	42	37		49	42	36		47	41	36		46	40	35
8	61	47	39	33	59	46	38	33		45	38	32		44	37	32		42	36	32
9	57	43	35	30	55	43	35	29		41	34	29		40	34	29		39	33	29
10	53	40	32	27	52	39	32	27		38	31	27		37	31	26		36	31	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3715	3715	3715
5°	3716	3683	3686
10°	3680	3638	3646
15°	3627	3576	3589
20°	3558	3501	3521
25°	3472	3415	3437
30°	3373	3312	3343
35°	3261	3193	3237
40°	3136	3071	3114
45°	3001	2938	2991
50°	2873	2794	2857
55°	2719	2641	2698
60°	2571	2489	2562
65°	2405	2317	2378
70°	2236	2129	2205
75°	2024	1943	2052
80°	1804	1758	1907
85°	1613	1596	1820

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3001 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.8	3.5
10°-20°	739.8	9.9
20°-30°	1098.2	14.7
30°-40°	1284.0	17.2
40°-50°	1284.7	17.2
50°-60°	1120.8	15.0
60°-70°	839.3	11.3
70°-80°	511.3	6.9
80°-90°	215.7	2.9
90°-100°	63.7	0.9
100°-110°	19.7	0.3
110°-120°	7.4	0.1
120°-130°	3.8	0.1
130°-140°	1.7	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°	2098.8	28.2
0°-40°	3382.9	45.4
0°-60°	5788.4	77.7
0°-90°	7354.7	98.7
90°-120°	90.8	1.2
90°-150°	97.1	1.3
90°-180°	97.0	1.3
0°-180°	7451.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2761	2761	2761	2761	2761	
5°	2760	2751	2746	2742	2747	262
15°	2630	2624	2622	2623	2628	741
25°	2380	2379	2386	2390	2396	1096
35°	2037	2039	2052	2067	2074	1274
45°	1636	1646	1667	1684	1690	1264
55°	1221	1229	1254	1271	1273	1095
65°	816	826	852	864	867	808
75°	444	460	485	503	505	472
85°	149	170	197	217	219	149
90°	49	75	97	114	118	32
95°	41	40	56	71	75	32
105°	27	22	12	12	15	28
115°	16	13	7	1	0	16
125°	9	8	4	0	0	9
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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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2761.2	2761.2	2761.2	2761.2	2761.2
2.5°	2771.5	2762.3	2756.1	2753.1	2757.1
5°	2760.2	2751.0	2745.9	2741.8	2746.9
7.5°	2739.8	2730.6	2726.5	2724.4	2728.5
10°	2711.1	2701.9	2699.9	2696.8	2704.0
12.5°	2676.4	2667.2	2665.1	2664.1	2671.2
15°	2630.3	2624.2	2622.2	2623.2	2628.3
17.5°	2580.2	2573.1	2572.0	2574.1	2580.2
20°	2518.9	2514.8	2515.8	2520.9	2526.0
22.5°	2453.4	2449.3	2453.4	2455.5	2463.6
25°	2379.8	2378.8	2385.9	2390.0	2396.1
27.5°	2304.1	2304.1	2308.2	2315.3	2324.6
30°	2218.2	2219.2	2229.4	2235.6	2244.8
32.5°	2131.3	2133.3	2142.5	2152.7	2158.9
35°	2037.2	2039.2	2052.5	2066.8	2074.0
37.5°	1941.0	1946.2	1961.5	1974.8	1979.9
40°	1841.8	1848.0	1865.4	1881.7	1884.8
42.5°	1741.6	1747.8	1768.2	1785.6	1788.7
45°	1636.3	1645.5	1667.0	1684.4	1689.5
47.5°	1535.0	1544.2	1565.7	1584.1	1586.2
50°	1433.8	1439.9	1461.4	1478.8	1487.0
52.5°	1332.6	1338.7	1359.1	1380.6	1379.6
55°	1221.1	1229.3	1253.8	1271.2	1273.2
57.5°	1116.8	1128.0	1153.6	1171.0	1177.1
60°	1017.6	1026.8	1052.3	1066.7	1075.9
62.5°	914.3	925.5	950.1	966.4	970.5
65°	816.1	826.3	851.9	864.2	867.2
67.5°	714.9	729.2	752.7	768.0	770.1
70°	626.9	637.1	659.6	675.0	676.0
72.5°	531.8	546.1	568.6	587.0	592.1
75°	443.8	460.2	484.8	503.2	505.2
77.5°	360.0	377.4	408.0	426.5	427.5
80°	282.3	301.7	329.3	350.8	350.8
82.5°	209.6	232.1	263.9	283.3	282.3
85°	149.3	169.8	197.4	216.8	218.9
87.5°	93.1	114.5	141.1	157.5	161.6
90°	49.1	74.7	97.2	113.5	117.6
92.5°	45.0	54.2	75.7	91.0	94.1
95°	40.9	39.9	56.2	70.6	74.7
97.5°	36.8	30.7	39.9	52.2	56.2
100°	32.7	27.6	28.6	36.8	39.9
102.5°	29.7	24.5	17.4	23.5	26.6
105°	26.6	21.5	12.3	12.3	15.3
107.5°	23.5	19.4	11.2	5.1	7.2
110°	20.5	17.4	9.2	2.0	1.0

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	18.4	15.3	8.2	1.0	0.0
115°	16.4	13.3	7.2	1.0	0.0
117.5°	14.3	12.3	6.1	0.0	0.0
120°	12.3	10.2	5.1	0.0	0.0
122.5°	11.2	9.2	4.1	0.0	0.0
125°	9.2	8.2	4.1	0.0	0.0
127.5°	8.2	7.2	3.1	0.0	0.0
130°	7.2	6.1	2.0	0.0	0.0
132.5°	6.1	5.1	2.0	0.0	0.0
135°	5.1	4.1	1.0	1.0	0.0
137.5°	4.1	3.1	1.0	1.0	0.0
140°	3.1	3.1	1.0	1.0	0.0
142.5°	3.1	2.0	1.0	1.0	0.0
145°	2.0	2.0	1.0	1.0	1.0
147.5°	2.0	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	15.00	16.59	15.38	16.94	17.28	15.39	16.99	15.78	17.33	17.68
	3H	16.65	18.10	17.05	18.45	18.84	17.16	18.61	17.56	18.96	19.35
	4H	17.26	18.63	17.68	19.00	19.41	17.88	19.24	18.30	19.62	20.03
	6H	17.72	18.98	18.15	19.37	19.80	18.49	19.76	18.93	20.15	20.57
	8H	17.87	19.08	18.31	19.49	19.92	18.75	19.96	19.19	20.37	20.80
	12H	17.98	19.14	18.43	19.55	20.01	18.97	20.13	19.42	20.54	21.00
4H	2H	15.63	16.99	16.05	17.37	17.77	15.94	17.31	16.36	17.68	18.09
	3H	17.50	18.65	17.93	19.07	19.50	17.93	19.08	18.37	19.51	19.94
	4H	18.24	19.28	18.69	19.72	20.19	18.80	19.84	19.25	20.27	20.74
	6H	18.82	19.74	19.30	20.20	20.69	19.56	20.48	20.04	20.94	21.43
	8H	19.03	19.88	19.51	20.35	20.84	19.88	20.74	20.37	21.21	21.70
	12H	19.18	19.96	19.69	20.45	20.95	20.19	20.96	20.69	21.46	21.95
8H	4H	18.59	19.44	19.07	19.91	20.40	19.08	19.93	19.56	20.40	20.90
	6H	19.31	20.02	19.82	20.53	21.04	19.99	20.71	20.50	21.22	21.72
	8H	19.59	20.23	20.12	20.76	21.28	20.41	21.06	20.94	21.59	22.10
	12H	19.83	20.41	20.36	20.92	21.51	20.83	21.41	21.36	21.92	22.51
12H	4H	18.64	19.41	19.14	19.91	20.41	19.11	19.88	19.61	20.38	20.88
	6H	19.40	20.04	19.92	20.57	21.09	20.05	20.69	20.58	21.22	21.74
	8H	19.75	20.32	20.27	20.83	21.42	20.54	21.11	21.07	21.62	22.21

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

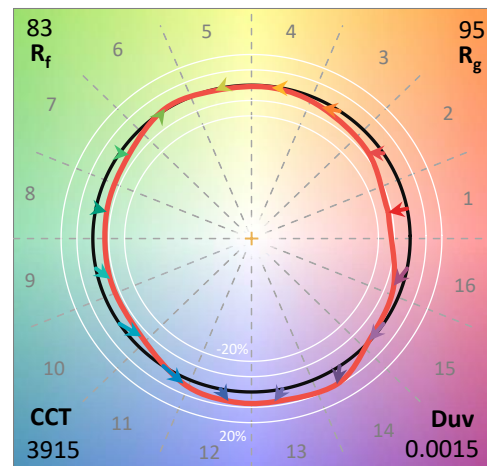
Test Information

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

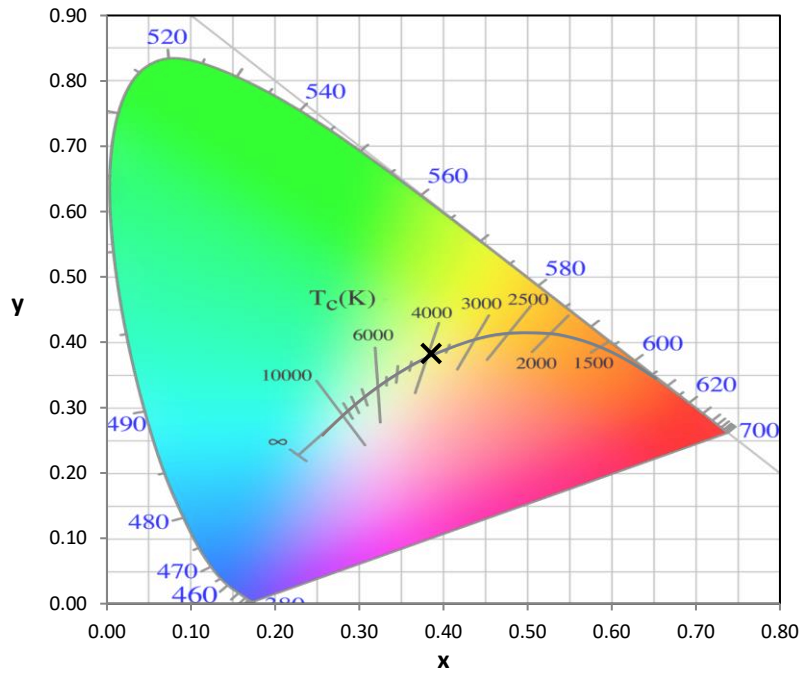
Stabilization Time: 34M
 Operation Time: 1H 34M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2506-458-5

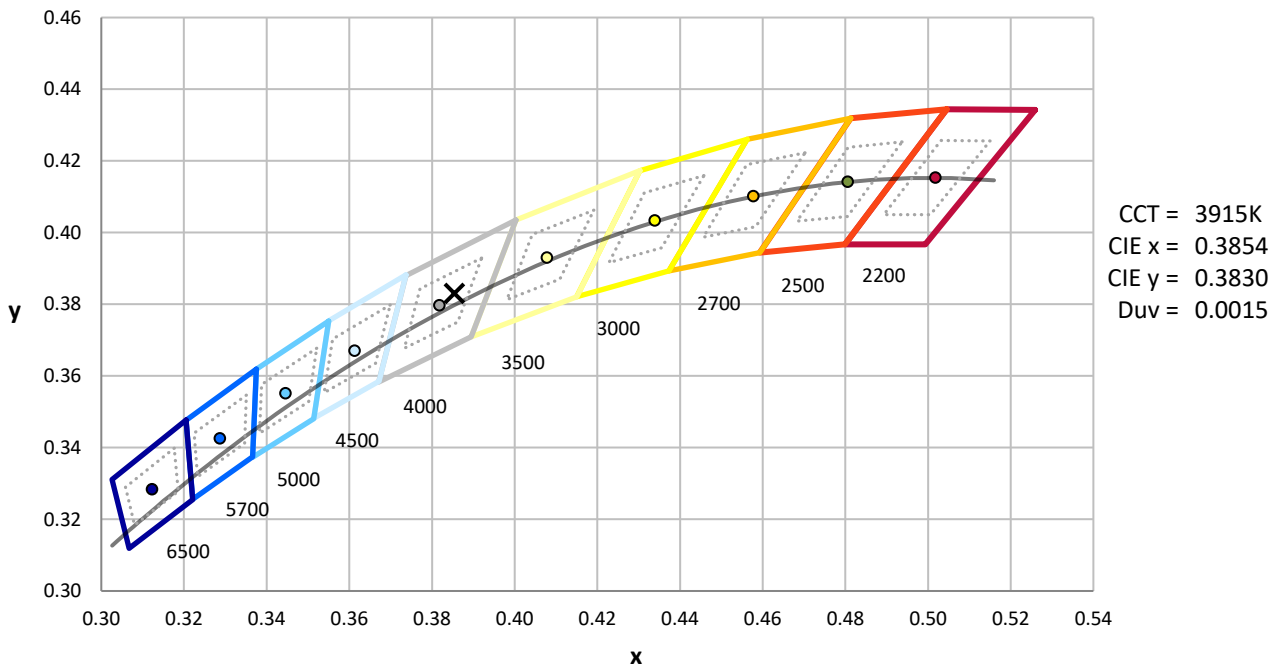
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208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



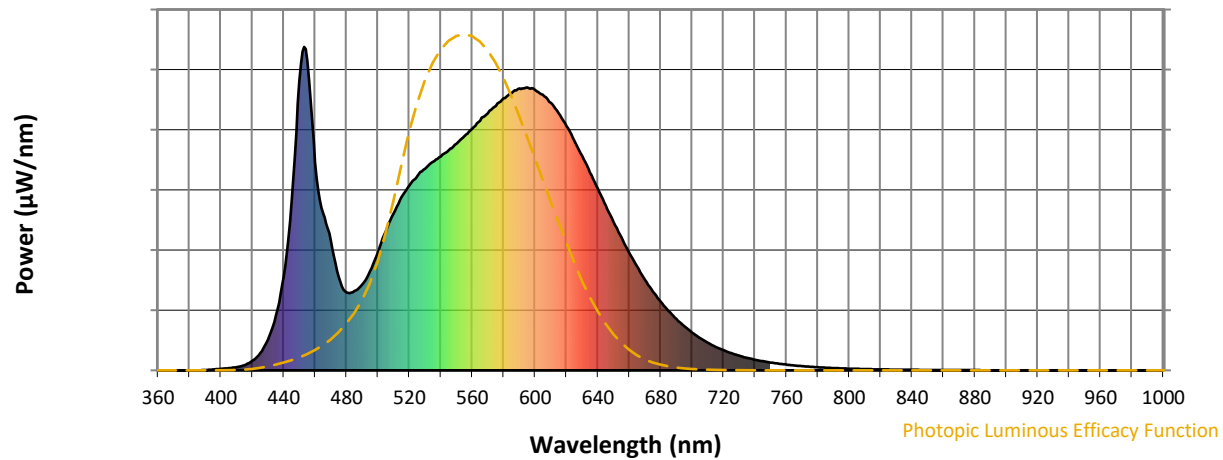
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

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Photopic Flux vs. Wavelength

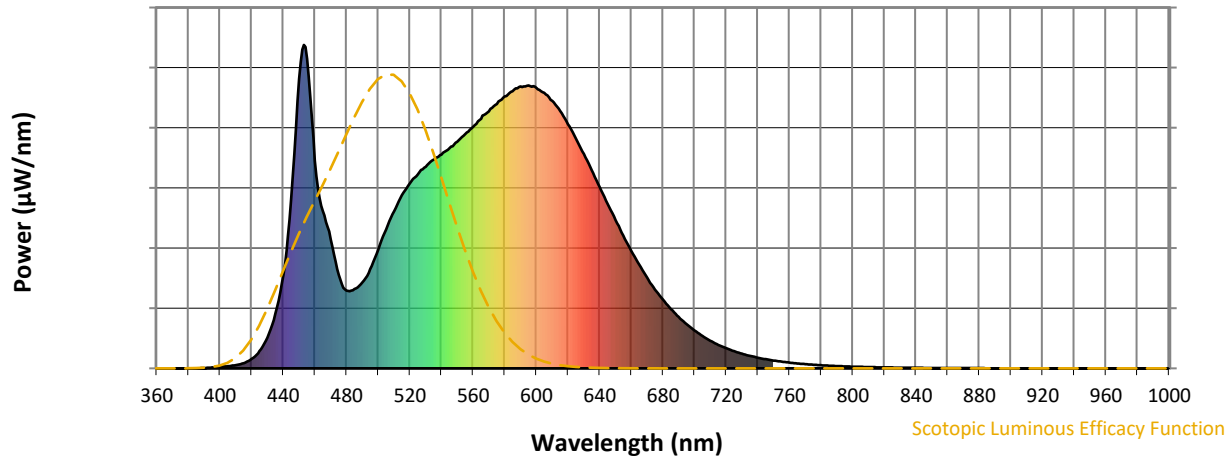


Photopic Lumens: NR

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



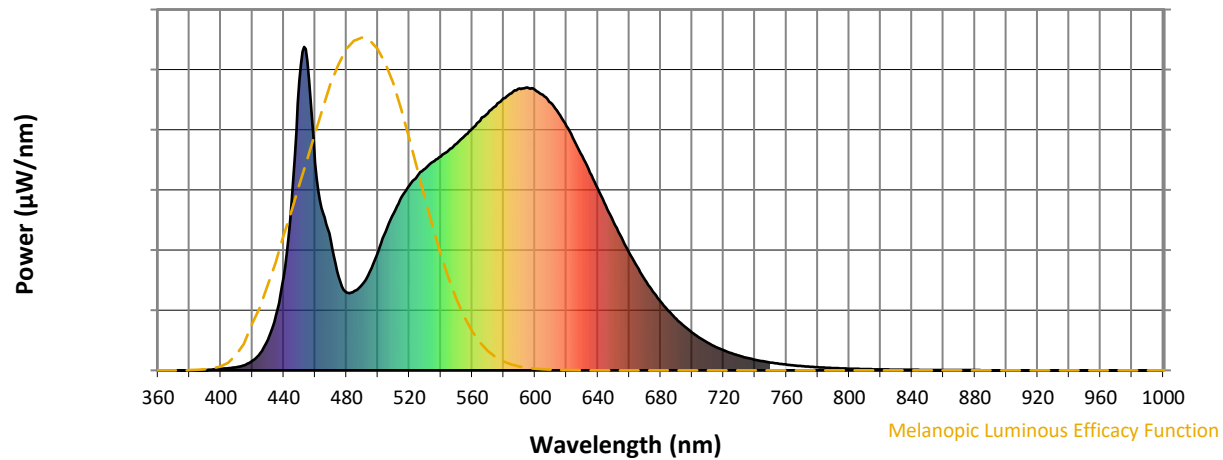
Scotopic Lumens: NR

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

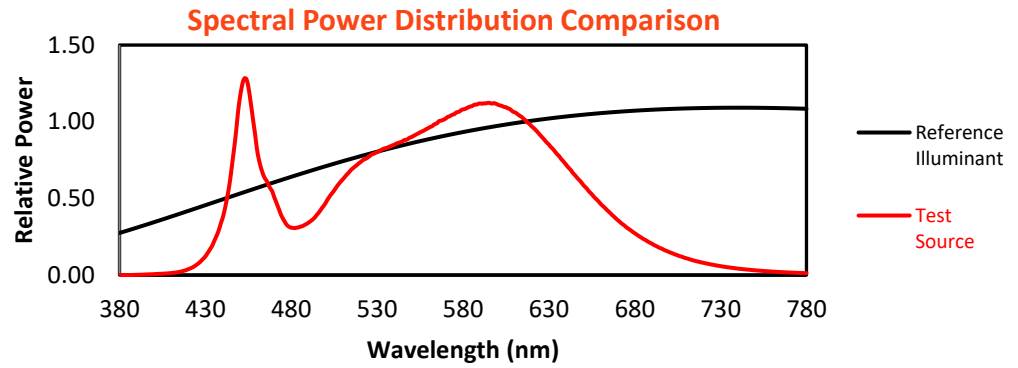
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	266	NR	620	755	NR	750	24	NR	880	1	NR
365	0	NR	495	307	NR	625	710	NR	755	21	NR	885	0	NR
370	0	NR	500	366	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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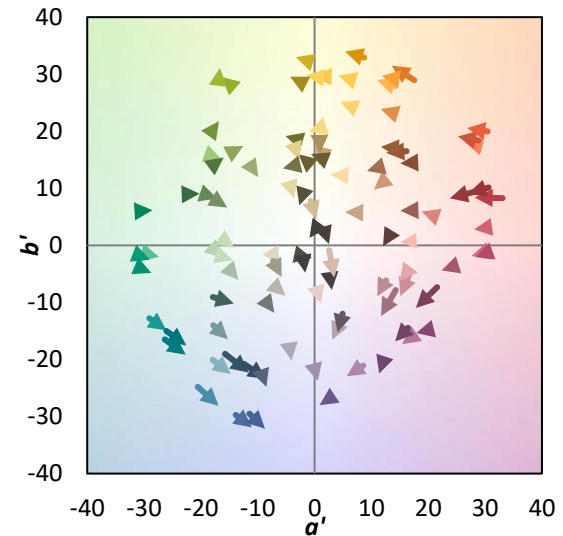
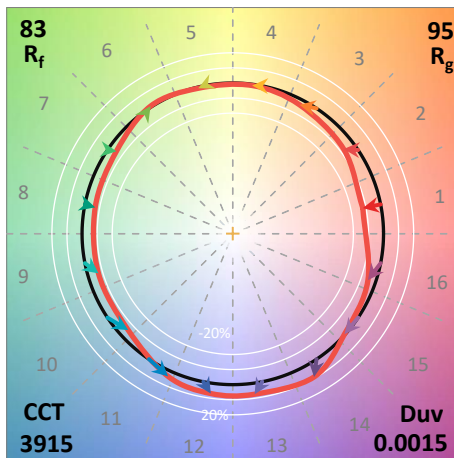
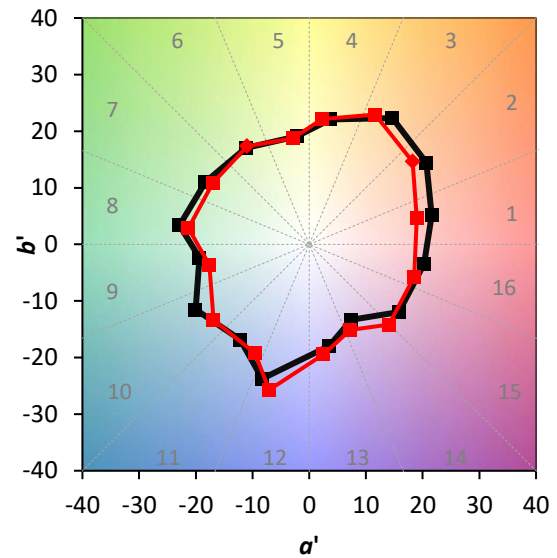
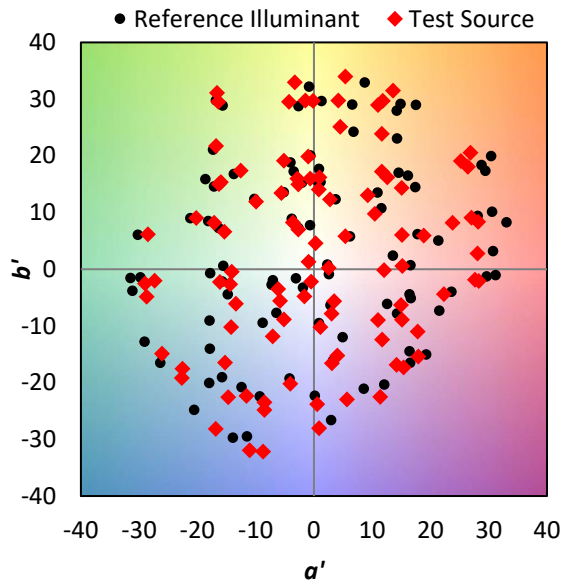
TM-30-18

Summary

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

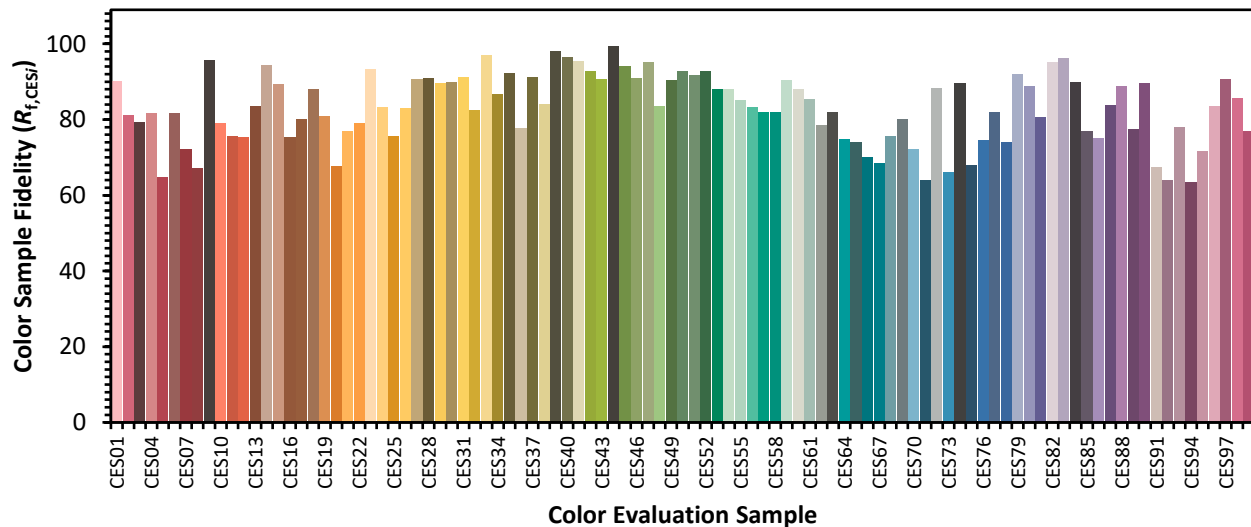


Color Vector Graphics

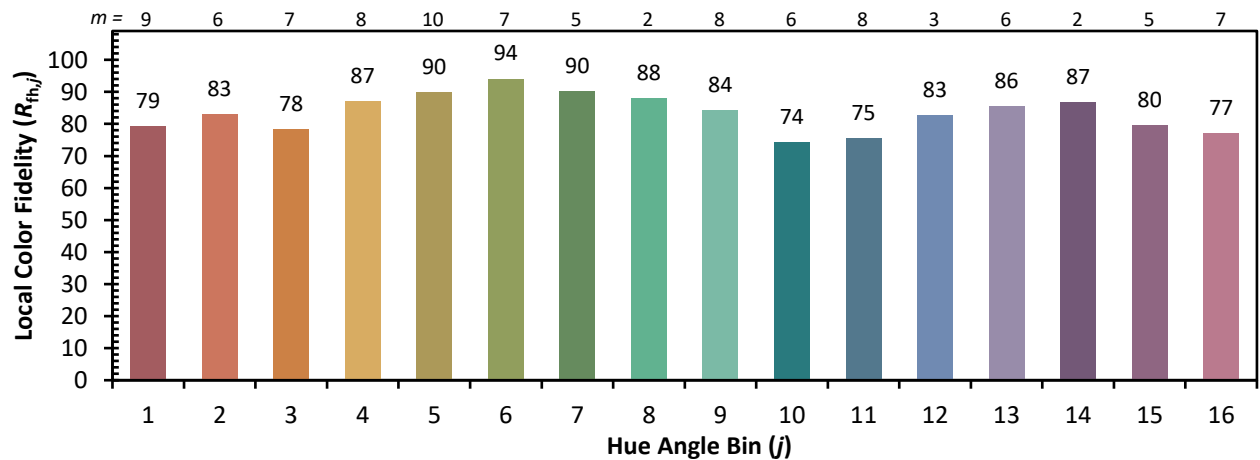
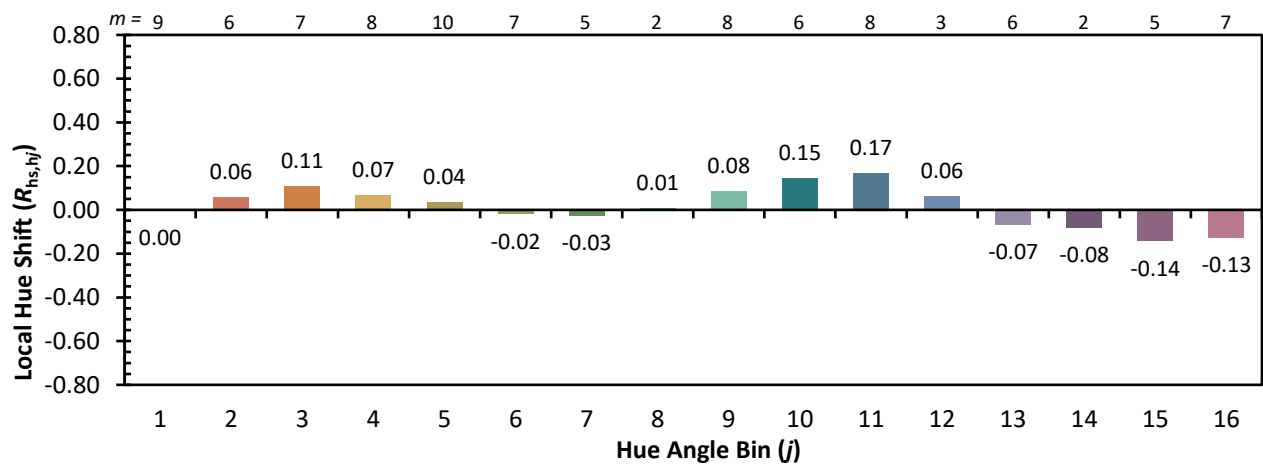
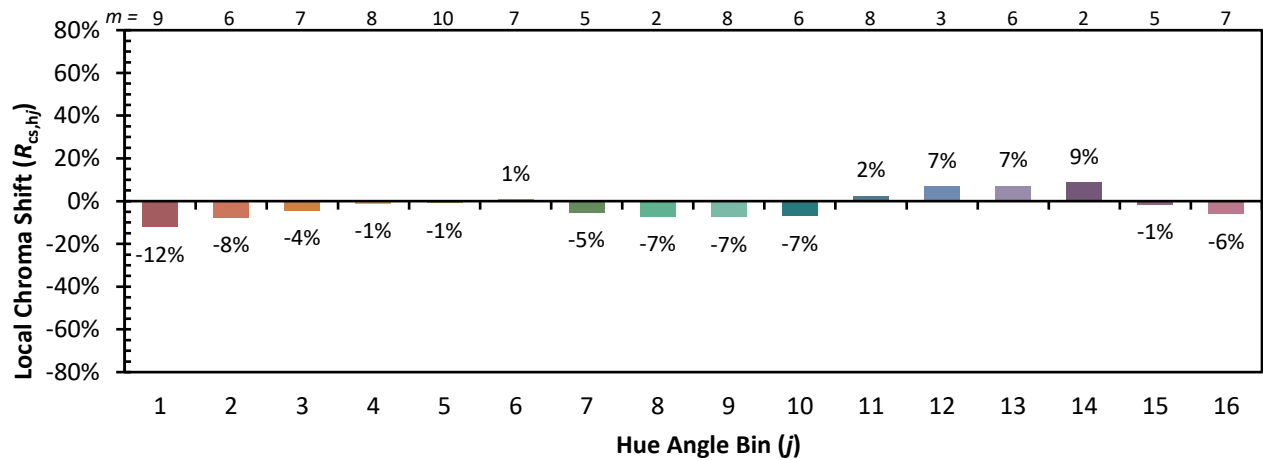


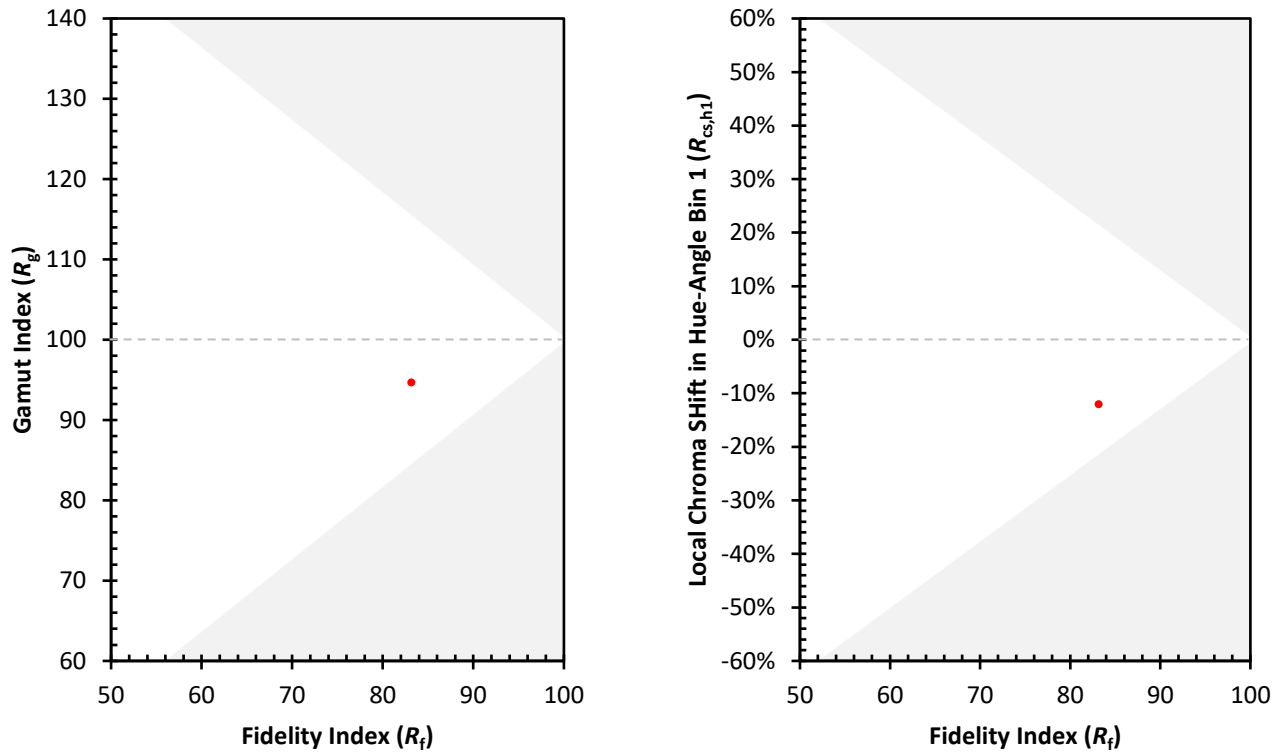
Individual Sample Fidelity Index ($R_{f,i}$)

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)