

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: IRiS

Report Number: P1250562

Luminaire Tested: P3A24R709027D010 E3LSWW1H

Issue Date: 1/29/2026

**Test Information**

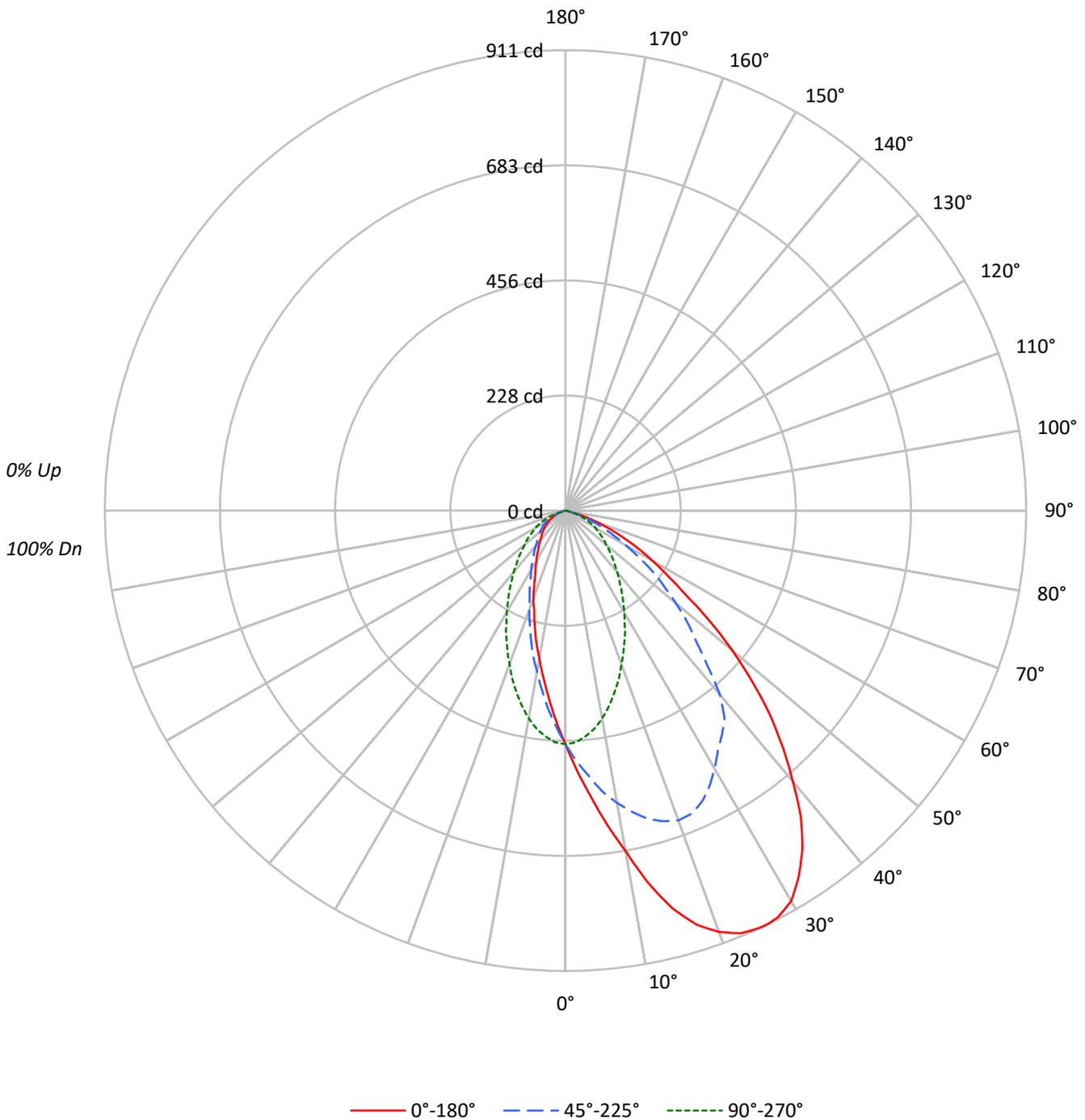
Test Method: LM-79-2019  
Report Number: P1250562  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A24R709027D010 E3LSWW1H  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3LSWW1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 920.0 lumens  
Efficiency: N/A  
Efficacy: 31.9 lumens/watt  
Spacing Criteria (0/90/45): 1.47 / 0.85 / 1.23  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 28.8  
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

TEST NUMBER: P1250562  
CATALOG NUMBER: P3A24R709027D010 E3LSWW1H

### Luminous Intensity Polar Plot





TEST NUMBER: P1250562

CATALOG NUMBER: P3A24R709027D010 E3LSWW1H

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89	89	89
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	78	78	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68	68	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	60	60	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53	53	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47	47	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	43	43	43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	39	39	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35	35	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32	32	32

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	101286	101286	101286	101286	101286
5°	124631	116024	98789	86727	82126
10°	152235	130726	92962	72054	66242
15°	184814	143361	84700	59819	53303
20°	207031	152217	75513	48701	43240
25°	220343	154049	66923	40406	34091
30°	225959	149314	58794	34360	29068
35°	218624	144581	51691	29339	25136
40°	200175	135940	45571	26135	22413
45°	177228	113283	40469	24282	20219
50°	146861	97020	35615	22242	18694
55°	110715	80819	32916	20950	16974
60°	86967	60653	29734	19472	14867
65°	64962	44674	25736	16240	12193
70°	41802	28466	18401	11733	6668
75°	17707	15504	8811	4406	2203
80°	3283	3283	0	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 177228 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.8	4.8
10°-20°	126.1	13.7
20°-30°	184.4	20.0
30°-40°	200.9	21.8
40°-50°	173.9	18.9
50°-60°	116.5	12.7
60°-70°	60.1	6.5
70°-80°	14.2	1.5
80°-90°	0.1	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	354.3	38.5
0°-40°	555.2	60.3
0°-60°	845.5	91.9
0°-90°	920.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	920.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	462	462	462	462	462	
5°	566	527	449	394	373	58
15°	814	632	373	264	235	231
25°	911	637	277	167	141	418
35°	817	540	193	110	94	506
45°	572	365	130	78	65	437
55°	290	211	86	55	44	268
65°	125	86	50	31	24	126
75°	21	18	10	5	3	27
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1250562  
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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	461.9	461.9	461.9	461.9	461.9	461.9	461.9	461.9	461.9	461.9	461.9
2.5°	514.0	511.4	511.4	506.2	501.0	495.8	488.0	480.1	472.3	464.5	459.2
5°	566.2	568.8	566.2	555.8	542.7	527.1	511.4	493.2	474.9	459.2	448.8
7.5°	626.2	626.2	618.4	605.4	587.1	561.0	534.9	503.6	474.9	448.8	435.8
10°	683.7	683.7	670.6	649.7	621.0	587.1	550.6	508.8	469.7	433.2	417.5
12.5°	754.1	751.5	735.8	701.9	660.2	610.6	561.0	508.8	461.9	417.5	396.6
15°	814.1	811.5	790.6	748.9	694.1	631.5	563.6	503.6	446.2	396.6	373.1
17.5°	858.5	853.3	829.8	785.4	722.8	644.5	566.2	493.2	427.9	373.1	349.7
20°	887.2	884.6	858.5	806.3	738.4	652.3	563.6	480.1	409.7	349.7	323.6
22.5°	905.4	900.2	874.1	816.7	738.4	649.7	553.2	461.9	386.2	326.2	300.1
25°	910.7	908.1	876.7	814.1	730.6	636.7	537.5	443.6	362.7	302.7	276.6
26°	910.7	908.1	876.7	811.5	725.4	628.9	529.7	435.8	354.9	292.2	268.8
27.5°	908.1	905.4	871.5	803.7	715.0	615.8	514.0	420.1	339.2	279.2	253.1
30°	892.4	887.2	853.3	785.4	691.5	589.7	488.0	396.6	315.7	255.7	232.2
32.5°	858.5	853.3	816.7	754.1	665.4	561.0	459.2	370.5	292.2	232.2	211.4
35°	816.7	811.5	775.0	715.0	628.9	540.1	427.9	341.8	266.2	214.0	193.1
37.5°	764.5	756.7	725.4	662.8	584.5	516.7	401.8	313.1	242.7	193.1	174.8
40°	699.3	696.7	668.0	610.6	532.3	474.9	386.2	313.1	221.8	174.8	159.2
42.5°	636.7	631.5	605.4	555.8	485.3	414.9	339.2	300.1	206.1	156.6	143.5
45°	571.5	566.2	542.7	501.0	435.8	365.3	365.3	258.3	177.4	143.5	130.5
47.5°	501.0	495.8	477.5	446.2	388.8	326.2	266.2	211.4	161.8	127.9	117.4
50°	430.5	433.2	417.5	386.2	341.8	284.4	229.6	177.4	138.3	114.8	104.4
52.5°	360.1	357.5	347.0	326.2	294.9	245.3	195.7	151.3	120.0	101.8	96.5
55°	289.6	292.2	287.0	274.0	247.9	211.4	164.4	130.5	107.0	91.3	86.1
57.5°	240.1	242.7	232.2	224.4	203.5	172.2	135.7	109.6	91.3	80.9	75.7
60°	198.3	200.9	193.1	182.7	167.0	138.3	109.6	91.3	80.9	73.1	67.8
62.5°	161.8	159.2	154.0	143.5	130.5	109.6	88.7	75.7	67.8	62.6	60.0
65°	125.2	125.2	120.0	112.2	101.8	86.1	70.5	62.6	57.4	52.2	49.6
67.5°	93.9	93.9	88.7	83.5	73.1	62.6	54.8	49.6	47.0	41.7	39.1
70°	65.2	65.2	62.6	60.0	52.2	44.4	41.7	36.5	33.9	31.3	28.7
72.5°	41.7	41.7	41.7	36.5	33.9	28.7	28.7	26.1	23.5	20.9	20.9
75°	20.9	23.5	20.9	20.9	18.3	18.3	15.7	15.7	13.0	13.0	10.4
77.5°	7.8	7.8	7.8	7.8	7.8	7.8	5.2	5.2	5.2	5.2	5.2
80°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1250562  
 CATALOG NUMBER: P3A24R709027D010 E3LSWW1H

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	461.9	461.9	461.9	461.9	461.9	461.9	461.9	461.9	461.9	461.9
2.5°	454.0	446.2	441.0	433.2	427.9	422.7	420.1	417.5	417.5	417.5
5°	441.0	427.9	414.9	401.8	394.0	386.2	378.4	375.7	373.1	373.1
7.5°	425.3	404.5	386.2	370.5	357.5	349.7	341.8	336.6	334.0	334.0
10°	404.5	378.4	357.5	336.6	323.6	313.1	307.9	300.1	300.1	297.5
12.5°	381.0	349.7	326.2	307.9	294.9	281.8	274.0	268.8	266.2	266.2
15°	354.9	323.6	297.5	276.6	263.5	250.5	242.7	237.5	234.8	234.8
17.5°	328.8	294.9	268.8	247.9	234.8	221.8	214.0	208.7	208.7	206.1
20°	302.7	268.8	242.7	221.8	208.7	198.3	190.5	185.3	182.7	185.3
22.5°	279.2	245.3	219.2	200.9	185.3	174.8	167.0	164.4	161.8	161.8
25°	253.1	221.8	198.3	180.0	167.0	156.6	148.7	146.1	143.5	140.9
26°	245.3	214.0	190.5	172.2	159.2	148.7	143.5	138.3	135.7	135.7
27.5°	234.8	200.9	180.0	161.8	148.7	140.9	133.1	130.5	127.9	127.9
30°	211.4	182.7	161.8	146.1	135.7	125.2	120.0	117.4	114.8	114.8
32.5°	193.1	164.4	146.1	133.1	122.6	114.8	109.6	104.4	104.4	104.4
35°	174.8	148.7	133.1	120.0	109.6	101.8	99.2	96.5	93.9	93.9
37.5°	159.2	135.7	120.0	109.6	101.8	93.9	88.7	86.1	86.1	86.1
40°	143.5	125.2	109.6	99.2	91.3	86.1	80.9	78.3	78.3	78.3
42.5°	130.5	112.2	101.8	91.3	83.5	78.3	75.7	73.1	70.5	70.5
45°	120.0	104.4	91.3	83.5	78.3	73.1	67.8	65.2	65.2	65.2
47.5°	107.0	96.5	83.5	75.7	70.5	65.2	62.6	60.0	60.0	60.0
50°	99.2	88.7	78.3	70.5	65.2	60.0	57.4	54.8	54.8	54.8
52.5°	88.7	80.9	73.1	65.2	60.0	54.8	52.2	49.6	49.6	49.6
55°	80.9	73.1	65.2	60.0	54.8	49.6	47.0	44.4	44.4	44.4
57.5°	73.1	65.2	60.0	54.8	49.6	47.0	41.7	41.7	39.1	39.1
60°	65.2	57.4	52.2	49.6	44.4	41.7	36.5	33.9	33.9	33.9
62.5°	54.8	52.2	47.0	41.7	36.5	33.9	31.3	28.7	28.7	28.7
65°	47.0	44.4	39.1	33.9	31.3	28.7	26.1	23.5	23.5	23.5
67.5°	39.1	33.9	31.3	28.7	26.1	23.5	20.9	18.3	15.7	18.3
70°	28.7	26.1	23.5	20.9	18.3	15.7	13.0	13.0	10.4	10.4
72.5°	18.3	15.7	15.7	13.0	10.4	10.4	7.8	7.8	5.2	5.2
75°	10.4	10.4	7.8	7.8	5.2	5.2	2.6	2.6	2.6	2.6
77.5°	5.2	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Report Prepared for

Cooper Lighting Solutions

IRiS

Report Number: SP1-2508-518-1

Test Date: 09/09/2025

Luminaire Tested: LD3A24R159027D010 E3D1LI

Data in this report applies to families of products including LD3A24R159027D010 E3D1LI

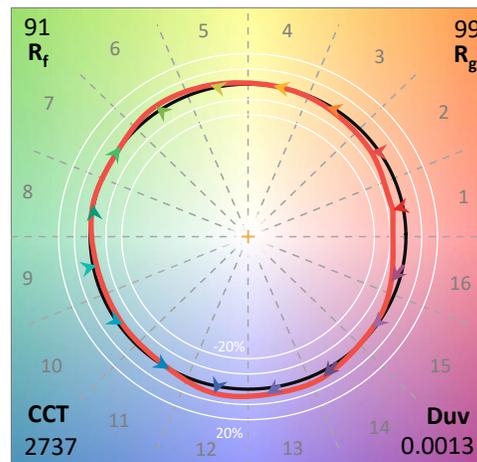
**Test Information**

Test Method: LM-79-2019  
 Report Number: SP1-2508-518-1  
 Test Lab: COOPER LIGHTING SOLUTIONS  
 Photometer: SP1 - 76IN SPHERE  
 Measurement Geometry: 4π  
 Issue Date: 09/16/2025  
 Manufacturer: COOPER LIGHTING SOLUTIONS  
 Product Line: IRiS  
 Catalog Number: **LD3A24R159027D010 E3D1LI**  
 Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3D1LI TRIM

**Spectral Parameters**

CCT (K): 2737  
 CIE u': 0.2605  
 CIE v': 0.5285  
 Duv: 0.0013  
 CIE x: 0.4590  
 CIE y: 0.4138  
 CIE z: 0.1272  
 Peak Wavelength (nm): 630  
 Dominant Wavelength (nm): 583  
 Purity: 62.00127  
 Rf: 90.8  
 Rg: 99.1

CRI (Ra):	91.4		
R1:	92.1	R9:	46.0
R2:	95.0	R10:	87.1
R3:	97.1	R11:	94.9
R4:	93.2	R12:	83.0
R5:	91.6	R13:	92.7
R6:	95.8	R14:	97.1
R7:	90.2	R15:	85.9
R8:	76.6		



**Test Conditions**

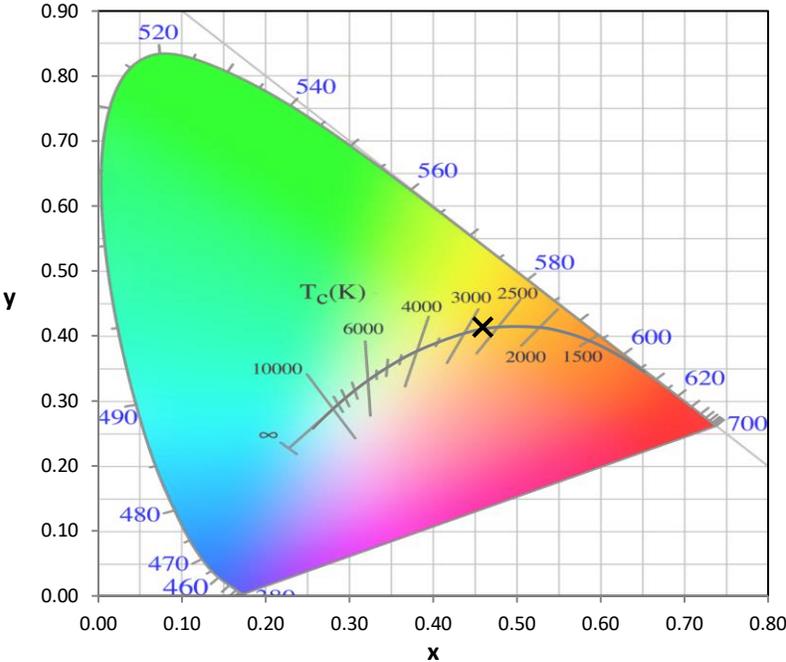
Stabilization Time: 70M  
 Operation Time: 2H 10M  
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2508-518-1

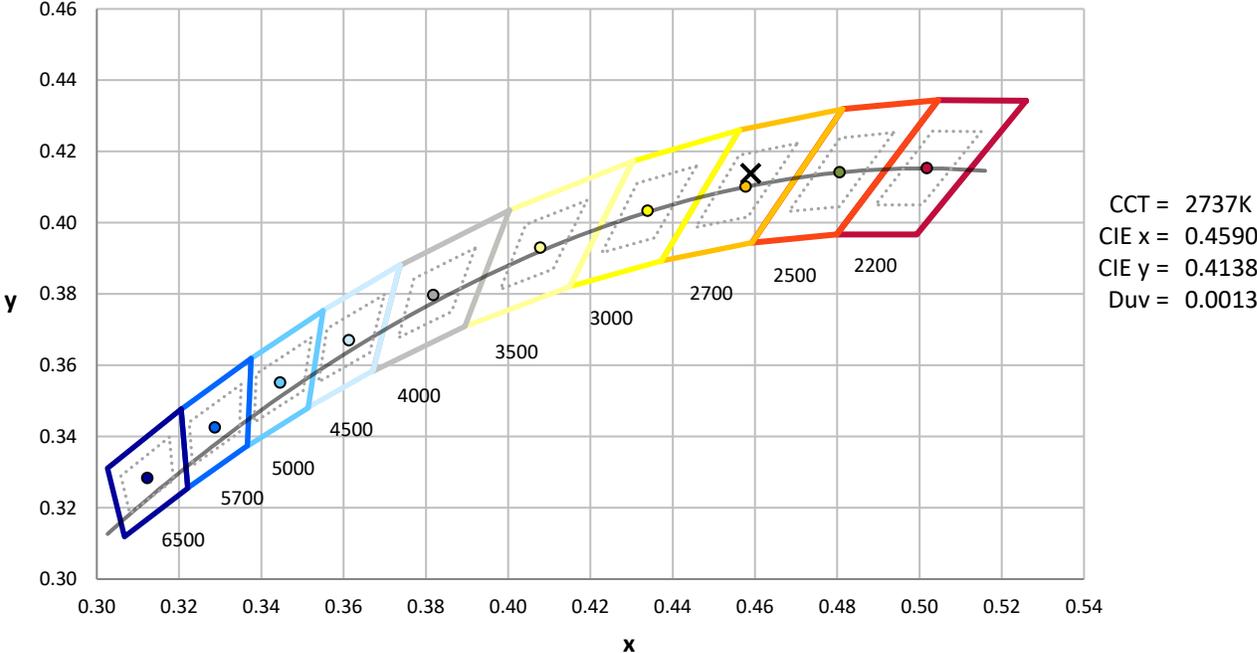
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208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



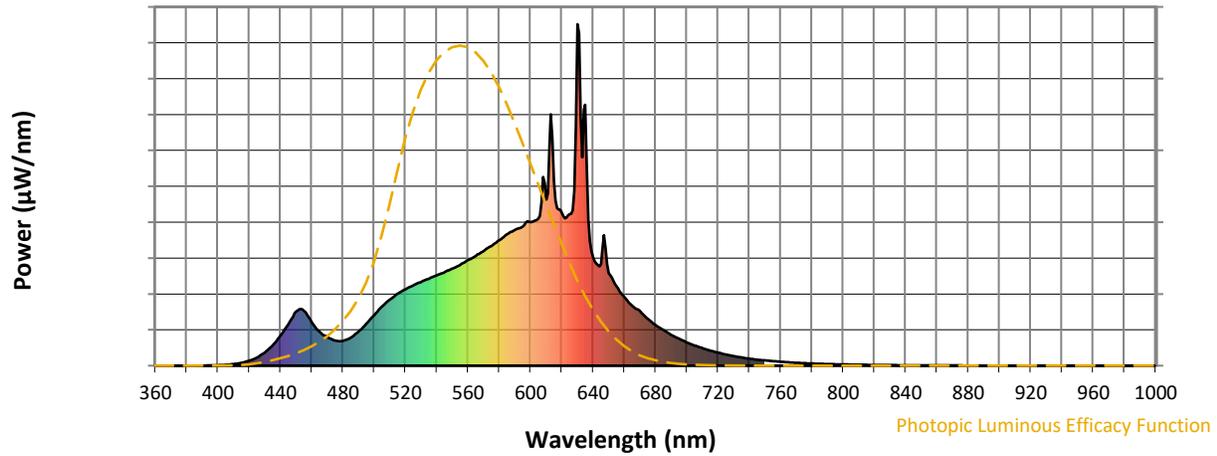
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2700K 4-step quadrangle

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**Photopic Flux vs. Wavelength**

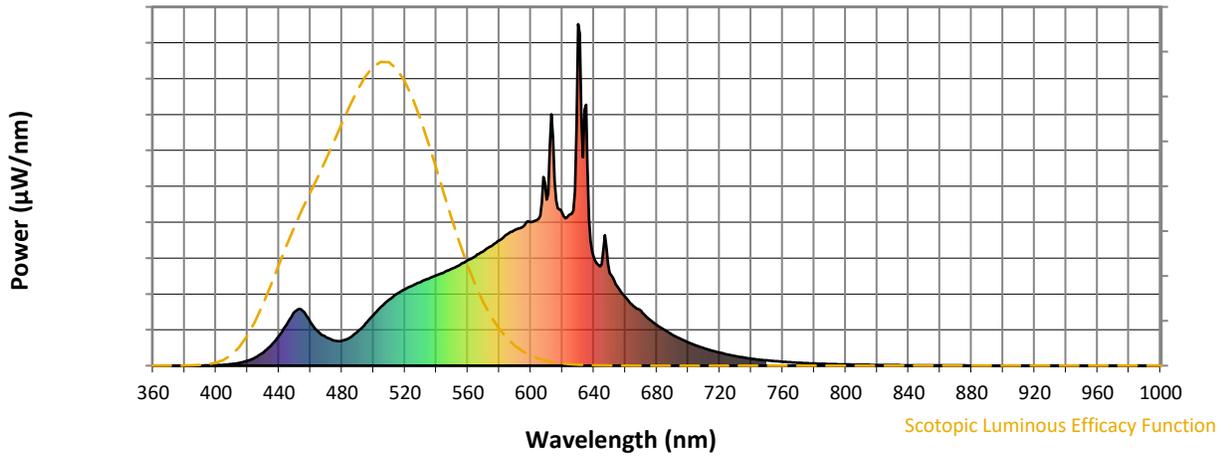


**Photopic Lumens: NR**

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	100	NR	620	447	NR	750	16	NR	880	0	NR
365	0	NR	495	123	NR	625	443	NR	755	13	NR	885	0	NR
370	0	NR	500	148	NR	630	1000	NR	760	11	NR	890	0	NR
375	0	NR	505	173	NR	635	764	NR	765	10	NR	895	0	NR
380	0	NR	510	194	NR	640	317	NR	770	9	NR	900	0	NR
385	0	NR	515	211	NR	645	298	NR	775	7	NR	905	0	NR
390	0	NR	520	224	NR	650	271	NR	780	7	NR	910	0	NR
395	1	NR	525	235	NR	655	232	NR	785	6	NR	915	0	NR
400	1	NR	530	245	NR	660	202	NR	790	5	NR	920	0	NR
405	3	NR	535	255	NR	665	175	NR	795	4	NR	925	0	NR
410	5	NR	540	265	NR	670	160	NR	800	4	NR	930	0	NR
415	8	NR	545	273	NR	675	137	NR	805	3	NR	935	0	NR
420	15	NR	550	284	NR	680	119	NR	810	3	NR	940	0	NR
425	24	NR	555	295	NR	685	104	NR	815	2	NR	945	0	NR
430	38	NR	560	309	NR	690	91	NR	820	2	NR	950	0	NR
435	60	NR	565	321	NR	695	79	NR	825	2	NR	955	0	NR
440	88	NR	570	336	NR	700	68	NR	830	2	NR	960	0	NR
445	121	NR	575	350	NR	705	59	NR	835	1	NR	965	0	NR
450	158	NR	580	367	NR	710	51	NR	840	1	NR	970	0	NR
455	161	NR	585	384	NR	715	44	NR	845	1	NR	975	0	NR
460	128	NR	590	398	NR	720	38	NR	850	1	NR	980	0	NR
465	100	NR	595	407	NR	725	33	NR	855	1	NR	985	0	NR
470	83	NR	600	420	NR	730	28	NR	860	1	NR	990	0	NR
475	74	NR	605	431	NR	735	24	NR	865	1	NR	995	0	NR
480	73	NR	610	486	NR	740	20	NR	870	1	NR	1000	0	NR
485	82	NR	615	541	NR	745	17	NR	875	1	NR			

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**Scotopic Flux vs. Wavelength**



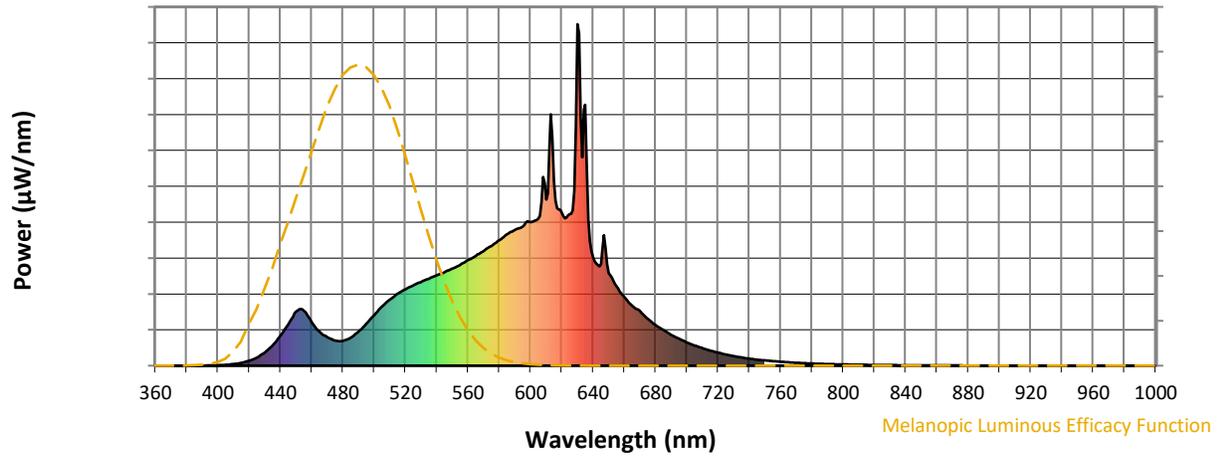
**Scotopic Lumens: NR**

**S/P: 1.27**

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	100	NR	620	447	NR	750	16	NR	880	0	NR
365	0	NR	495	123	NR	625	443	NR	755	13	NR	885	0	NR
370	0	NR	500	148	NR	630	1000	NR	760	11	NR	890	0	NR
375	0	NR	505	173	NR	635	764	NR	765	10	NR	895	0	NR
380	0	NR	510	194	NR	640	317	NR	770	9	NR	900	0	NR
385	0	NR	515	211	NR	645	298	NR	775	7	NR	905	0	NR
390	0	NR	520	224	NR	650	271	NR	780	7	NR	910	0	NR
395	1	NR	525	235	NR	655	232	NR	785	6	NR	915	0	NR
400	1	NR	530	245	NR	660	202	NR	790	5	NR	920	0	NR
405	3	NR	535	255	NR	665	175	NR	795	4	NR	925	0	NR
410	5	NR	540	265	NR	670	160	NR	800	4	NR	930	0	NR
415	8	NR	545	273	NR	675	137	NR	805	3	NR	935	0	NR
420	15	NR	550	284	NR	680	119	NR	810	3	NR	940	0	NR
425	24	NR	555	295	NR	685	104	NR	815	2	NR	945	0	NR
430	38	NR	560	309	NR	690	91	NR	820	2	NR	950	0	NR
435	60	NR	565	321	NR	695	79	NR	825	2	NR	955	0	NR
440	88	NR	570	336	NR	700	68	NR	830	2	NR	960	0	NR
445	121	NR	575	350	NR	705	59	NR	835	1	NR	965	0	NR
450	158	NR	580	367	NR	710	51	NR	840	1	NR	970	0	NR
455	161	NR	585	384	NR	715	44	NR	845	1	NR	975	0	NR
460	128	NR	590	398	NR	720	38	NR	850	1	NR	980	0	NR
465	100	NR	595	407	NR	725	33	NR	855	1	NR	985	0	NR
470	83	NR	600	420	NR	730	28	NR	860	1	NR	990	0	NR
475	74	NR	605	431	NR	735	24	NR	865	1	NR	995	0	NR
480	73	NR	610	486	NR	740	20	NR	870	1	NR	1000	0	NR
485	82	NR	615	541	NR	745	17	NR	875	1	NR			

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**Melanopic Flux vs. Wavelength**



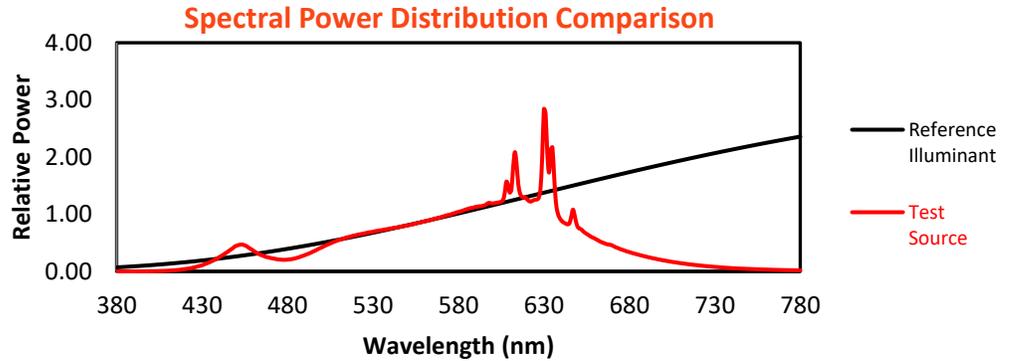
**Melanopic Lumens: NR**

**M/P: 2.37**

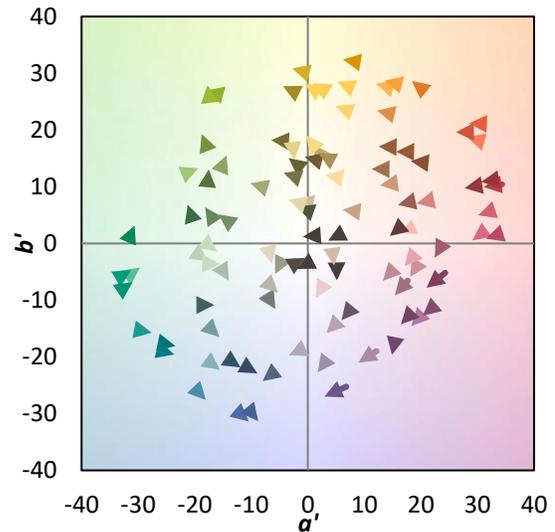
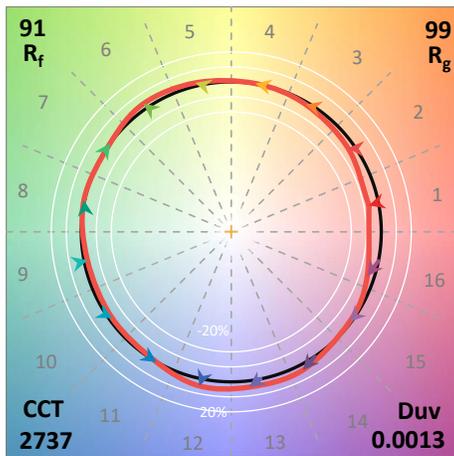
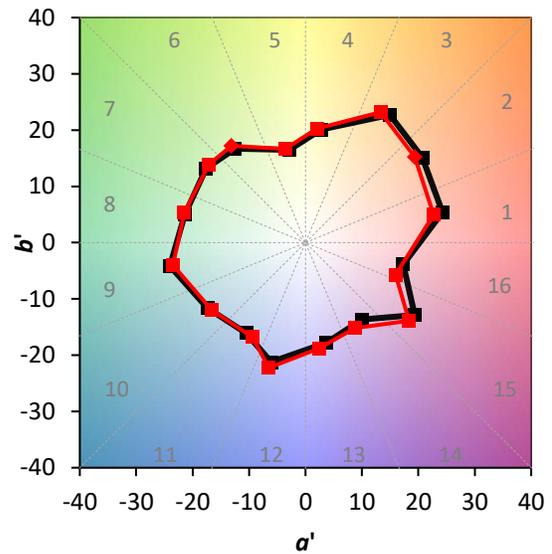
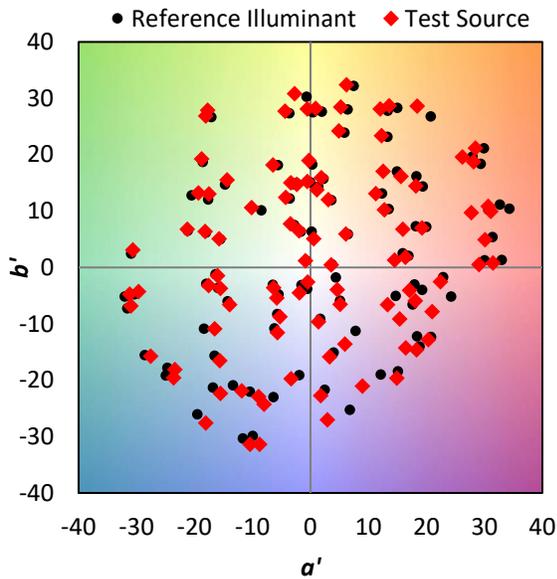
$\lambda$ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens ( $\phi/\text{nm}$ )												
360	0	NR	490	100	NR	620	447	NR	750	16	NR	880	0	NR
365	0	NR	495	123	NR	625	443	NR	755	13	NR	885	0	NR
370	0	NR	500	148	NR	630	1000	NR	760	11	NR	890	0	NR
375	0	NR	505	173	NR	635	764	NR	765	10	NR	895	0	NR
380	0	NR	510	194	NR	640	317	NR	770	9	NR	900	0	NR
385	0	NR	515	211	NR	645	298	NR	775	7	NR	905	0	NR
390	0	NR	520	224	NR	650	271	NR	780	7	NR	910	0	NR
395	1	NR	525	235	NR	655	232	NR	785	6	NR	915	0	NR
400	1	NR	530	245	NR	660	202	NR	790	5	NR	920	0	NR
405	3	NR	535	255	NR	665	175	NR	795	4	NR	925	0	NR
410	5	NR	540	265	NR	670	160	NR	800	4	NR	930	0	NR
415	8	NR	545	273	NR	675	137	NR	805	3	NR	935	0	NR
420	15	NR	550	284	NR	680	119	NR	810	3	NR	940	0	NR
425	24	NR	555	295	NR	685	104	NR	815	2	NR	945	0	NR
430	38	NR	560	309	NR	690	91	NR	820	2	NR	950	0	NR
435	60	NR	565	321	NR	695	79	NR	825	2	NR	955	0	NR
440	88	NR	570	336	NR	700	68	NR	830	2	NR	960	0	NR
445	121	NR	575	350	NR	705	59	NR	835	1	NR	965	0	NR
450	158	NR	580	367	NR	710	51	NR	840	1	NR	970	0	NR
455	161	NR	585	384	NR	715	44	NR	845	1	NR	975	0	NR
460	128	NR	590	398	NR	720	38	NR	850	1	NR	980	0	NR
465	100	NR	595	407	NR	725	33	NR	855	1	NR	985	0	NR
470	83	NR	600	420	NR	730	28	NR	860	1	NR	990	0	NR
475	74	NR	605	431	NR	735	24	NR	865	1	NR	995	0	NR
480	73	NR	610	486	NR	740	20	NR	870	1	NR	1000	0	NR
485	82	NR	615	541	NR	745	17	NR	875	1	NR			

**Summary**

$R_f = 90.8$   
 $R_g = 99.1$   
 $CIE R_a = 91.4$   
 $R_9 = 46.0$

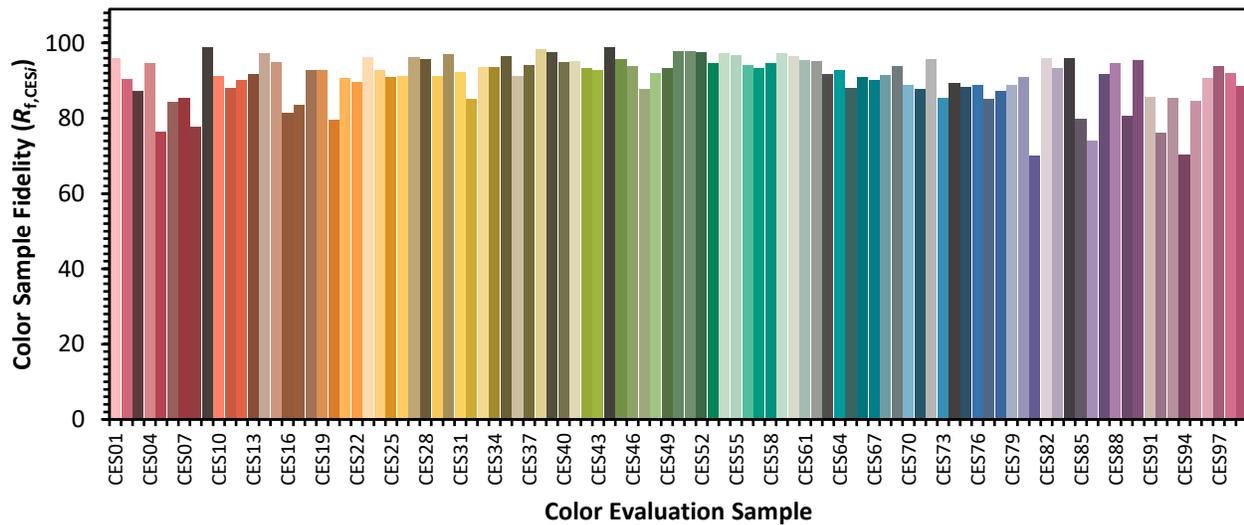


**Color Vector Graphics**

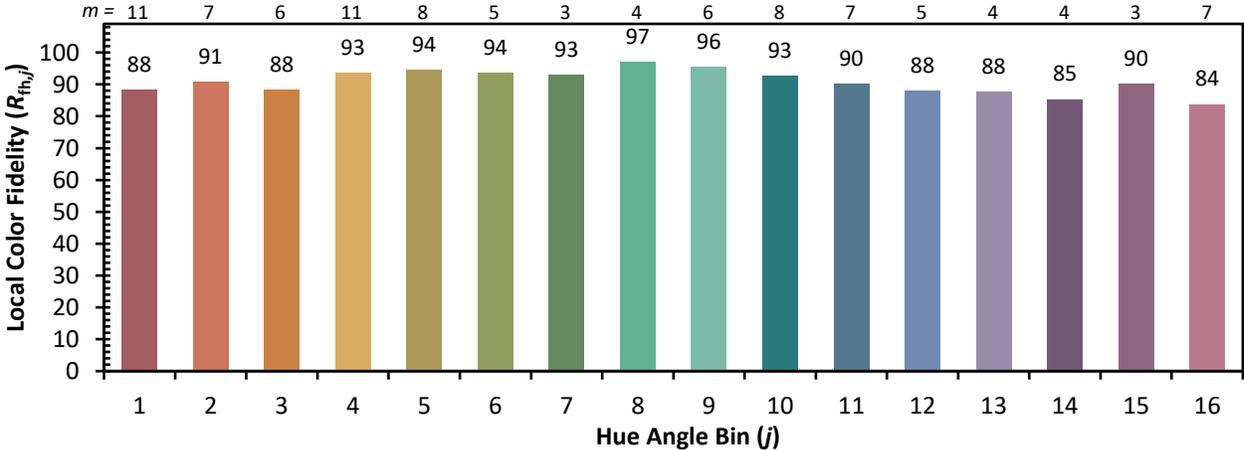
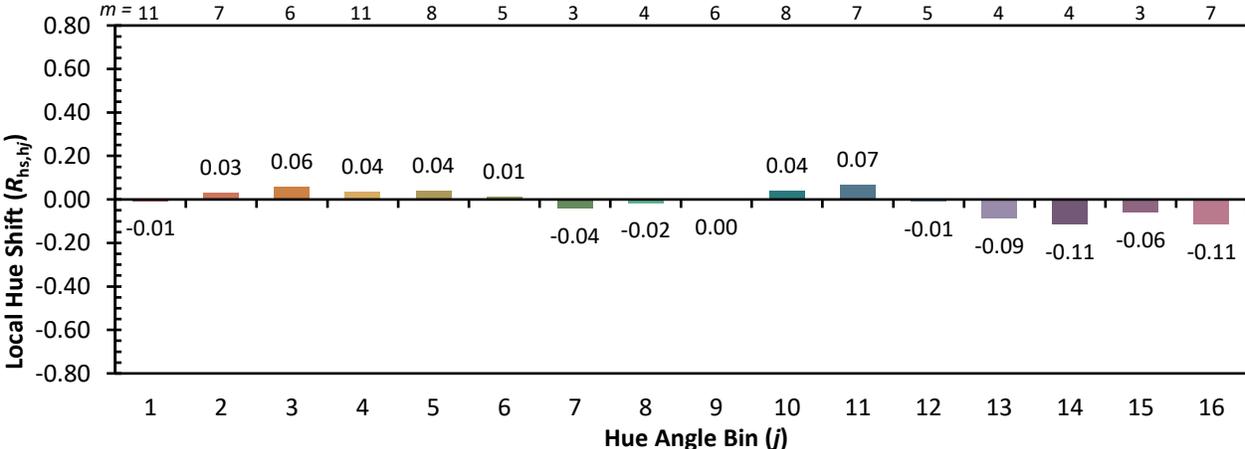
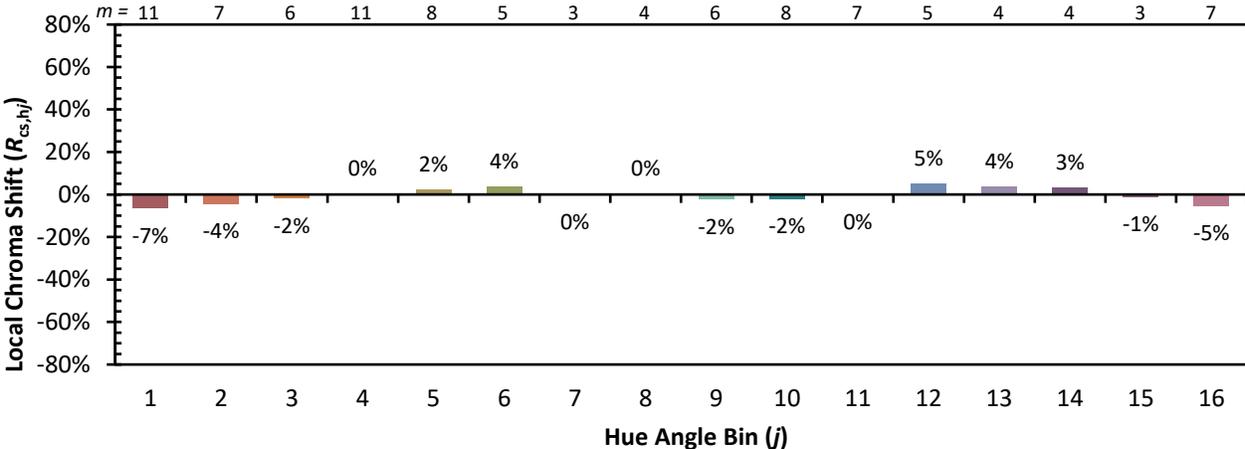


**Individual Sample Fidelity Index ( $R_{f,i}$ )**

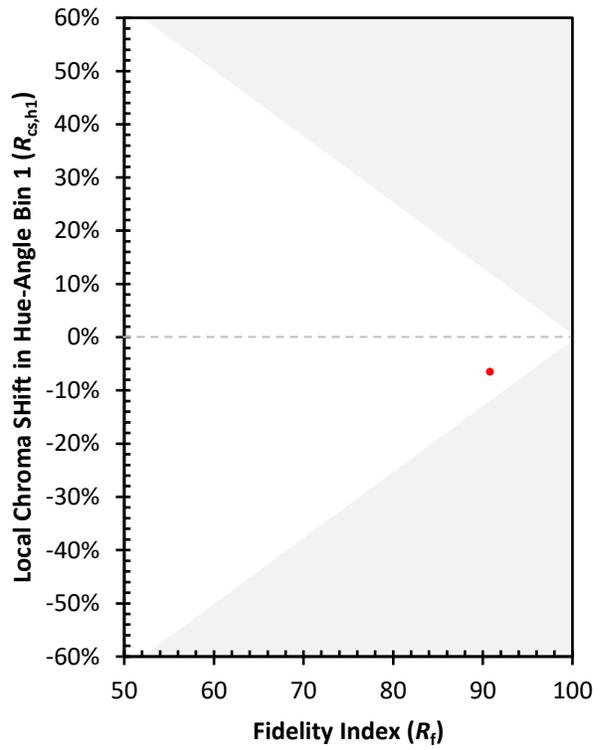
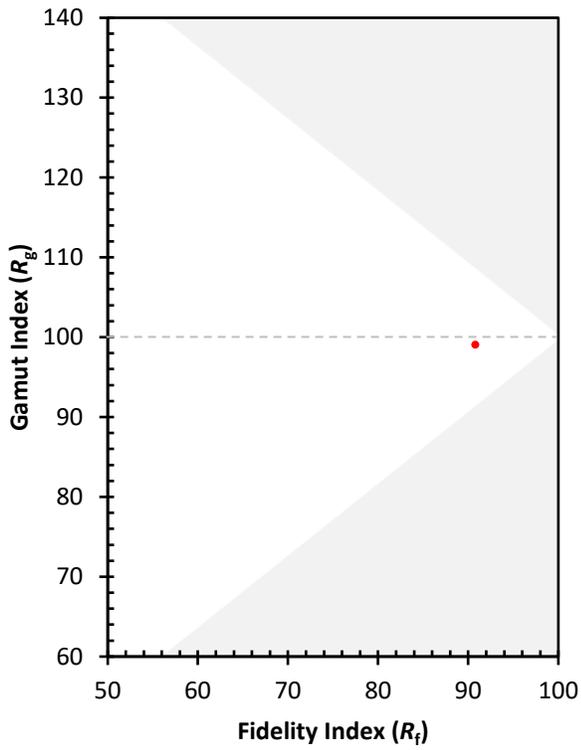
CES01 = 86	CES26 = 91	CES51 = 98	CES76 = 89
CES02 = 64	CES27 = 96	CES52 = 98	CES77 = 85
CES03 = 32	CES28 = 96	CES53 = 95	CES78 = 87
CES04 = 71	CES29 = 91	CES54 = 97	CES79 = 89
CES05 = 51	CES30 = 97	CES55 = 97	CES80 = 91
CES06 = 51	CES31 = 92	CES56 = 94	CES81 = 70
CES07 = 44	CES32 = 85	CES57 = 93	CES82 = 96
CES08 = 42	CES33 = 94	CES58 = 95	CES83 = 93
CES09 = 29	CES34 = 94	CES59 = 97	CES84 = 96
CES10 = 77	CES35 = 97	CES60 = 97	CES85 = 80
CES11 = 59	CES36 = 91	CES61 = 95	CES86 = 74
CES12 = 66	CES37 = 94	CES62 = 95	CES87 = 92
CES13 = 44	CES38 = 98	CES63 = 92	CES88 = 95
CES14 = 74	CES39 = 97	CES64 = 93	CES89 = 81
CES15 = 72	CES40 = 95	CES65 = 88	CES90 = 96
CES16 = 48	CES41 = 95	CES66 = 91	CES91 = 86
CES17 = 50	CES42 = 93	CES67 = 90	CES92 = 76
CES18 = 57	CES43 = 93	CES68 = 92	CES93 = 85
CES19 = 72	CES44 = 99	CES69 = 94	CES94 = 70
CES20 = 68	CES45 = 96	CES70 = 89	CES95 = 85
CES21 = 87	CES46 = 94	CES71 = 88	CES96 = 91
CES22 = 79	CES47 = 88	CES72 = 96	CES97 = 94
CES23 = 92	CES48 = 92	CES73 = 85	CES98 = 92
CES24 = 91	CES49 = 93	CES74 = 89	CES99 = 89
CES25 = 72	CES50 = 98	CES75 = 88	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)