

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: P1248306

Luminaire Tested: P3A02R709027DE010 E3LSWW1H

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1248306
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: P3A02R709027DE010 E3LSWW1H
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3LSWW1H TRIM
Light Source: -
Ballast/Driver: -

Summary

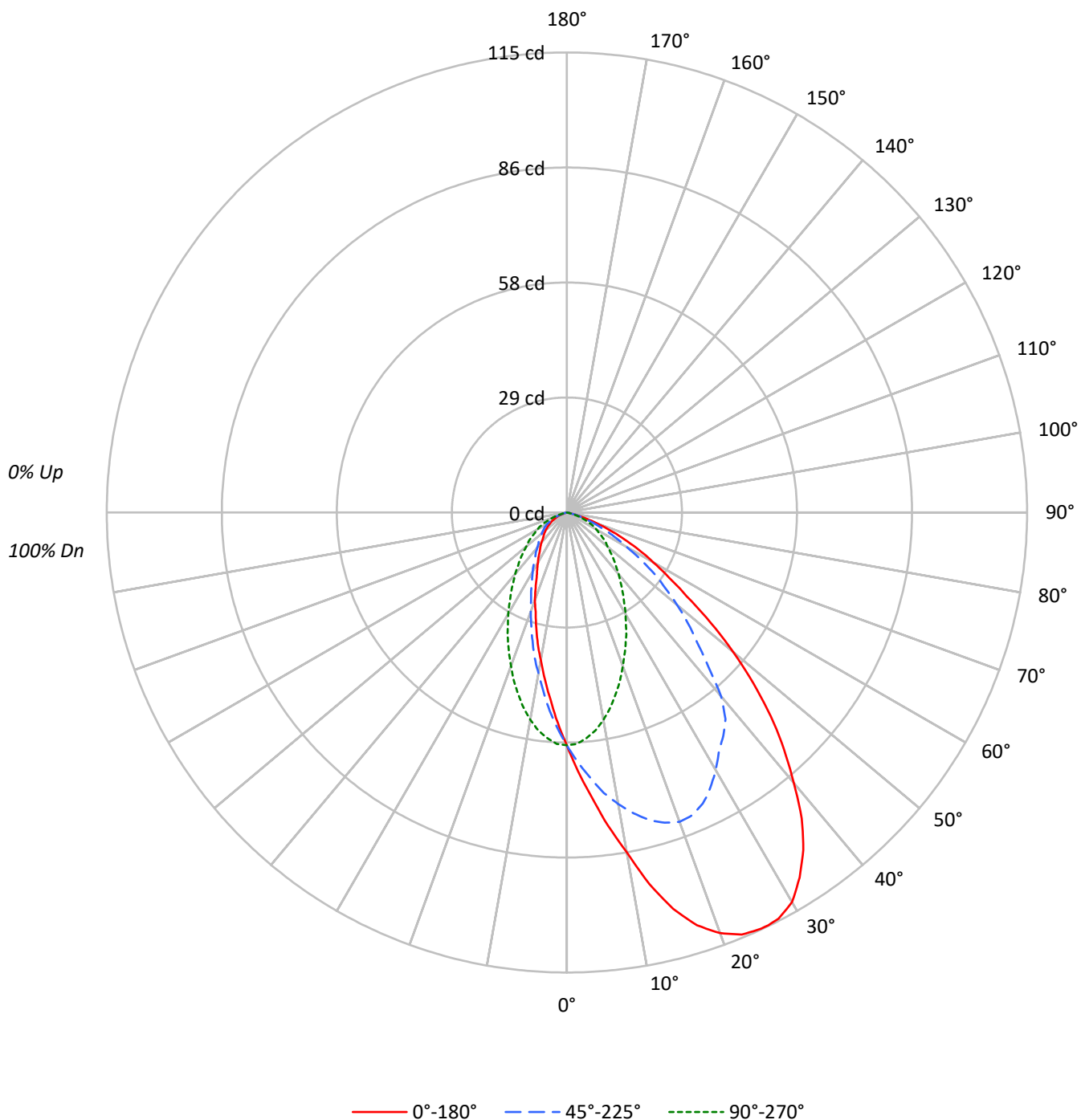
Lumens per Lamp: N/A
Luminaire Lumens: 116.0 lumens
Efficiency: N/A
Efficacy: 32.2 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.85 / 1.23
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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: P1248306

CATALOG NUMBER: P3A02R709027DE010 E3LSWW1H

Luminous Intensity Polar Plot



TEST NUMBER: P1248306

CATALOG NUMBER: P3A02R709027DE010 E3LSWW1H

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
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		
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89		
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	78		
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68		
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	60		
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53		
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47		
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	43		
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	39		
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35		
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	12762	12762	12762	12762	12762
5°	15716	14638	12459	10940	10346
10°	19194	16477	11712	9085	8350
15°	23292	18070	10670	7537	6720
20°	26112	19205	9521	6137	5460
25°	27776	19429	8444	5105	4307
30°	28485	18838	7419	4330	3671
35°	27572	18230	6505	3694	3159
40°	25247	17146	5754	3292	2834
45°	22359	14296	5117	3070	2543
50°	18524	12247	4503	2797	2354
55°	13954	10169	4167	2638	2141
60°	10964	7631	3772	2456	1886
65°	8198	5656	3269	2024	1557
70°	5257	3590	2308	1475	833
75°	2203	1949	1101	593	254
80°	379	379	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22359 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.5	4.8
10°-20°	15.9	13.7
20°-30°	23.2	20.0
30°-40°	25.3	21.8
40°-50°	21.9	18.9
50°-60°	14.7	12.7
60°-70°	7.6	6.5
70°-80°	1.8	1.5
80°-90°	0.0	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°	44.7	38.5
0°-40°	70.0	60.3
0°-60°	106.6	91.9
0°-90°	116.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	116.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	58	58	58	58	58	
5°	71	66	57	50	47	7
15°	103	80	47	33	30	29
25°	115	80	35	21	18	53
35°	103	68	24	14	12	64
45°	72	46	16	10	8	55
55°	36	27	11	7	6	34
65°	16	11	6	4	3	16
75°	3	2	1	1	0	3
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
2.5°	64.8	64.5	64.5	63.8	63.2	62.5	61.5	60.5	59.6	58.6	57.9
5°	71.4	71.7	71.4	70.1	68.4	66.5	64.5	62.2	59.9	57.9	56.6
7.5°	79.0	79.0	78.0	76.3	74.0	70.7	67.4	63.5	59.9	56.6	54.9
10°	86.2	86.2	84.6	81.9	78.3	74.0	69.4	64.2	59.2	54.6	52.6
12.5°	95.1	94.8	92.8	88.5	83.2	77.0	70.7	64.2	58.2	52.6	50.0
15°	102.6	102.3	99.7	94.4	87.5	79.6	71.1	63.5	56.3	50.0	47.0
17.5°	108.2	107.6	104.6	99.0	91.1	81.3	71.4	62.2	54.0	47.0	44.1
20°	111.9	111.5	108.2	101.7	93.1	82.3	71.1	60.5	51.7	44.1	40.8
22.5°	114.2	113.5	110.2	103.0	93.1	81.9	69.7	58.2	48.7	41.1	37.8
25°	114.8	114.5	110.5	102.6	92.1	80.3	67.8	55.9	45.7	38.2	34.9
26°	114.8	114.5	110.5	102.3	91.5	79.3	66.8	54.9	44.7	36.8	33.9
27.5°	114.5	114.2	109.9	101.3	90.1	77.6	64.8	53.0	42.8	35.2	31.9
30°	112.5	111.9	107.6	99.0	87.2	74.4	61.5	50.0	39.8	32.2	29.3
32.5°	108.2	107.6	103.0	95.1	83.9	70.7	57.9	46.7	36.8	29.3	26.6
35°	103.0	102.3	97.7	90.1	79.3	68.1	54.0	43.1	33.6	27.0	24.3
37.5°	96.4	95.4	91.5	83.6	73.7	65.1	50.7	39.5	30.6	24.3	22.0
40°	88.2	87.8	84.2	77.0	67.1	59.9	48.7	39.5	28.0	22.0	20.1
42.5°	80.3	79.6	76.3	70.1	61.2	52.3	42.8	37.8	26.0	19.7	18.1
45°	72.1	71.4	68.4	63.2	54.9	46.1	46.1	32.6	22.4	18.1	16.5
47.5°	63.2	62.5	60.2	56.3	49.0	41.1	33.6	26.6	20.4	16.1	14.8
50°	54.3	54.6	52.6	48.7	43.1	35.9	29.0	22.4	17.4	14.5	13.2
52.5°	45.4	45.1	43.8	41.1	37.2	30.9	24.7	19.1	15.1	12.8	12.2
55°	36.5	36.8	36.2	34.5	31.3	26.6	20.7	16.5	13.5	11.5	10.9
57.5°	30.3	30.6	29.3	28.3	25.7	21.7	17.1	13.8	11.5	10.2	9.5
60°	25.0	25.3	24.3	23.0	21.1	17.4	13.8	11.5	10.2	9.2	8.6
62.5°	20.4	20.1	19.4	18.1	16.5	13.8	11.2	9.5	8.6	7.9	7.6
65°	15.8	15.8	15.1	14.1	12.8	10.9	8.9	7.9	7.2	6.6	6.3
67.5°	11.8	11.8	11.2	10.5	9.2	7.9	6.9	6.3	5.9	5.3	4.9
70°	8.2	8.2	7.9	7.6	6.6	5.6	5.3	4.6	4.3	3.9	3.6
72.5°	5.3	5.3	5.3	4.6	4.3	3.6	3.6	3.3	3.0	2.6	2.6
75°	2.6	3.0	2.6	2.6	2.3	2.3	2.0	2.0	1.6	1.6	1.3
77.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.7	0.7	0.7	0.7
80°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	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

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
2.5°	57.2	56.3	55.6	54.6	54.0	53.3	53.0	52.6	52.6	52.6
5°	55.6	54.0	52.3	50.7	49.7	48.7	47.7	47.4	47.0	47.0
7.5°	53.6	51.0	48.7	46.7	45.1	44.1	43.1	42.4	42.1	42.1
10°	51.0	47.7	45.1	42.4	40.8	39.5	38.8	37.8	37.8	37.5
12.5°	48.0	44.1	41.1	38.8	37.2	35.5	34.5	33.9	33.6	33.6
15°	44.7	40.8	37.5	34.9	33.2	31.6	30.6	29.9	29.6	29.6
17.5°	41.5	37.2	33.9	31.3	29.6	28.0	27.0	26.3	26.3	26.0
20°	38.2	33.9	30.6	28.0	26.3	25.0	24.0	23.4	23.0	23.4
22.5°	35.2	30.9	27.6	25.3	23.4	22.0	21.1	20.7	20.4	20.4
25°	31.9	28.0	25.0	22.7	21.1	19.7	18.8	18.4	18.1	17.8
26°	30.9	27.0	24.0	21.7	20.1	18.8	18.1	17.4	17.1	17.1
27.5°	29.6	25.3	22.7	20.4	18.8	17.8	16.8	16.5	16.1	16.1
30°	26.6	23.0	20.4	18.4	17.1	15.8	15.1	14.8	14.5	14.5
32.5°	24.3	20.7	18.4	16.8	15.5	14.5	13.8	13.2	13.2	13.2
35°	22.0	18.8	16.8	15.1	13.8	12.8	12.5	12.2	11.8	11.8
37.5°	20.1	17.1	15.1	13.8	12.8	11.8	11.2	10.9	10.9	10.9
40°	18.1	15.8	13.8	12.5	11.5	10.9	10.2	9.9	9.9	9.9
42.5°	16.5	14.1	12.8	11.5	10.5	9.9	9.5	9.2	8.9	8.9
45°	15.1	13.2	11.5	10.5	9.9	9.2	8.6	8.2	8.2	8.2
47.5°	13.5	12.2	10.5	9.5	8.9	8.2	7.9	7.6	7.6	7.6
50°	12.5	11.2	9.9	8.9	8.2	7.6	7.2	6.9	6.9	6.9
52.5°	11.2	10.2	9.2	8.2	7.6	6.9	6.6	6.3	6.3	6.3
55°	10.2	9.2	8.2	7.6	6.9	6.3	5.9	5.6	5.6	5.6
57.5°	9.2	8.2	7.6	6.9	6.3	5.9	5.3	5.3	4.9	4.9
60°	8.2	7.2	6.6	6.3	5.6	5.3	4.6	4.3	4.3	4.3
62.5°	6.9	6.6	5.9	5.3	4.6	4.3	3.9	3.6	3.6	3.6
65°	5.9	5.6	4.9	4.3	3.9	3.6	3.3	3.0	3.0	3.0
67.5°	4.9	4.3	3.9	3.6	3.3	3.0	2.6	2.3	2.0	2.3
70°	3.6	3.3	3.0	2.6	2.3	2.0	1.6	1.6	1.3	1.3
72.5°	2.3	2.0	2.0	1.6	1.3	1.3	1.0	1.0	0.7	0.7
75°	1.3	1.3	1.0	1.0	0.7	0.7	0.3	0.3	0.3	0.3
77.5°	0.7	0.3	0.3	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: SP1-2504-409-27

Test Date: 05/16/2025

Luminaire Tested: LD3A13R159027D010 E3D1H

Data in this report applies to families of products including LD3A

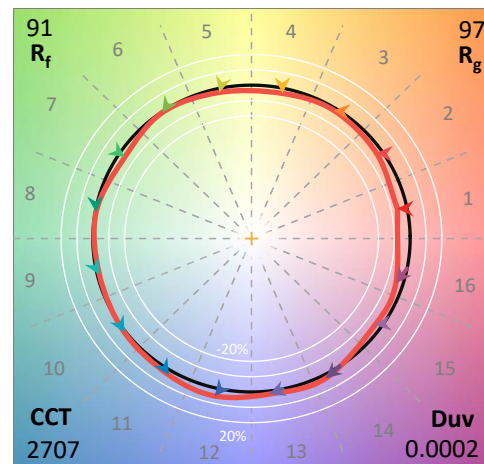
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2504-409-27
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 01/06/2026
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: IRiS
 Catalog Number: **LD3A13R159027D010 E3D1H**
 Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI LEDS, E3D1H TRIM

Spectral Parameters

CCT (K): 2707
 CIE u' : 0.2622
 CIE v' : 0.5275
 Duv: 0.0002
 CIE x: 0.4597
 CIE y: 0.4111
 CIE z: 0.1292
 Peak Wavelength (nm): 618
 Dominant Wavelength (nm): 584
 Purity: 61.37764
 R_f: 91.2
 R_g: 97.1

CRI (Ra): 92.2
 R1: 93.3
 R2: 98.1
 R3: 97.1
 R4: 93.2
 R5: 93.7
 R6: 97.0
 R7: 88.8
 R8: 76.6
 R9: 50.2
 R10: 95.3
 R11: 96.2
 R12: 85.7
 R13: 94.9
 R14: 99.3
 R15: 87.0



Test Conditions

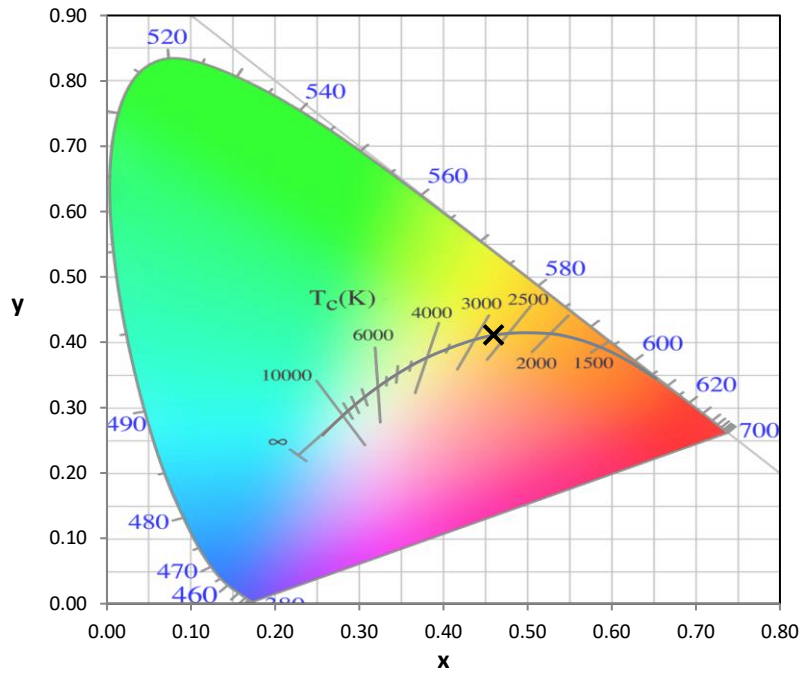
Stabilization Time: 48M
 Operation Time: 1H 48M
 Sphere Temperature (°C): 25.0

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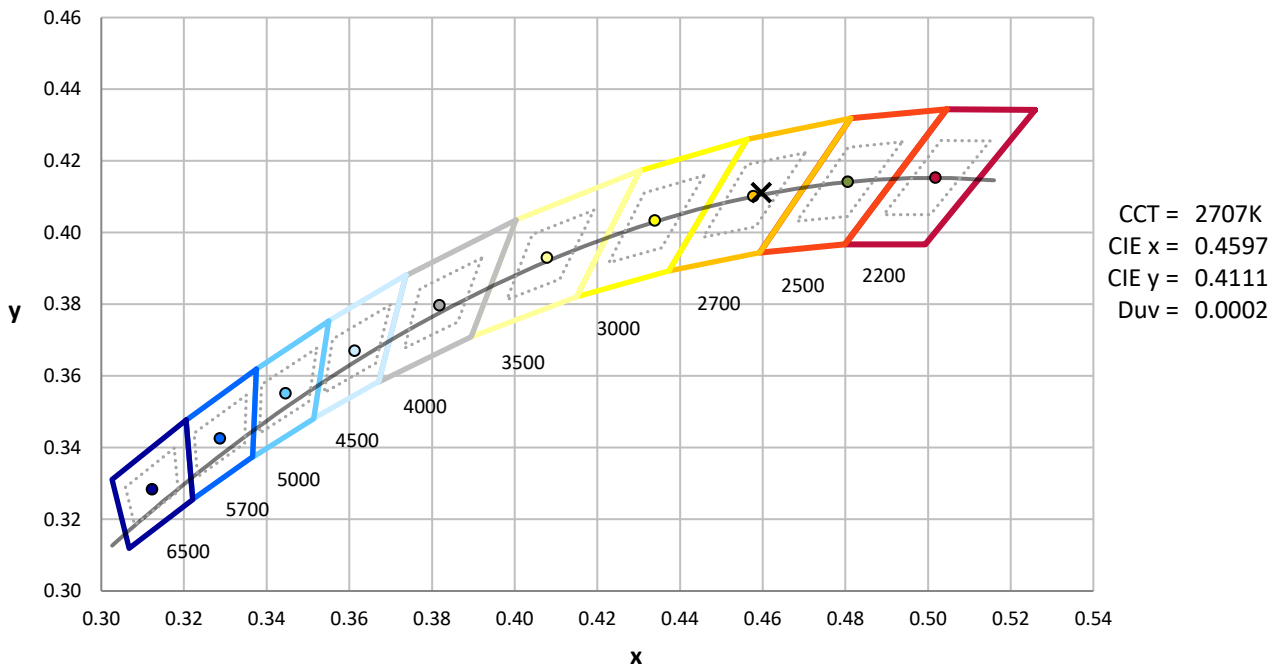
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2024	6/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208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



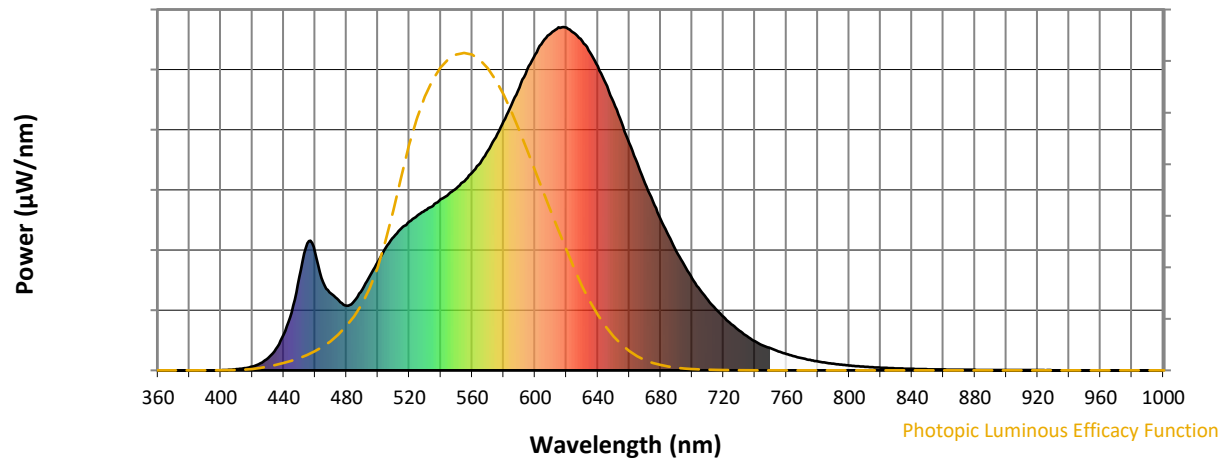
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2700K 4-step quadrangle

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Photopic Flux vs. Wavelength

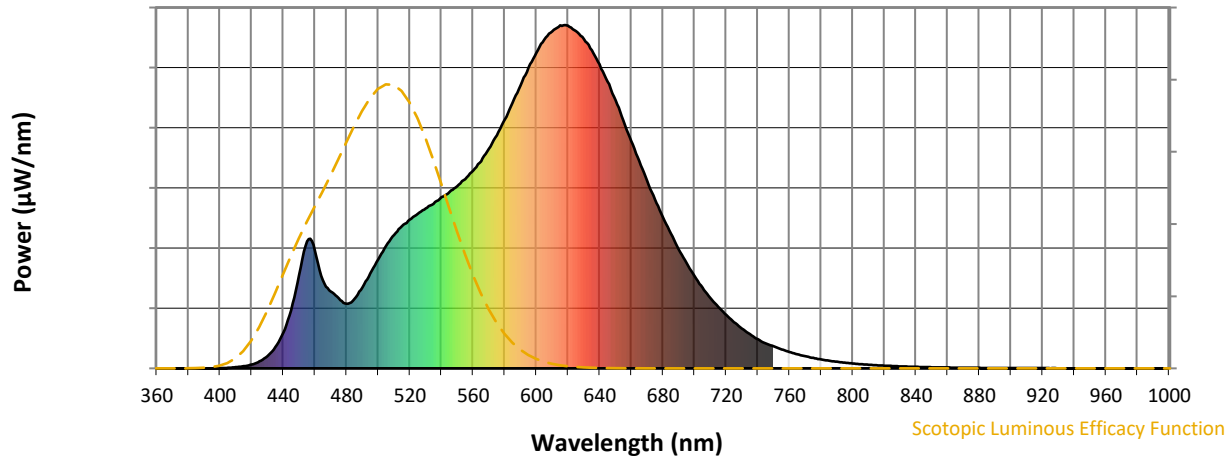


Photopic Lumens: NR

λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	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	236	NR	620	998	NR	750	64	NR	880	1	NR
365	0	NR	495	276	NR	625	983	NR	755	55	NR	885	1	NR
370	0	NR	500	317	NR	630	960	NR	760	48	NR	890	1	NR
375	0	NR	505	357	NR	635	927	NR	765	41	NR	895	1	NR
380	0	NR	510	389	NR	640	885	NR	770	35	NR	900	1	NR
385	0	NR	515	414	NR	645	836	NR	775	30	NR	905	1	NR
390	0	NR	520	434	NR	650	781	NR	780	26	NR	910	1	NR
395	0	NR	525	450	NR	655	723	NR	785	22	NR	915	1	NR
400	1	NR	530	466	NR	660	662	NR	790	19	NR	920	1	NR
405	2	NR	535	480	NR	665	604	NR	795	16	NR	925	0	NR
410	3	NR	540	498	NR	670	546	NR	800	14	NR	930	0	NR
415	6	NR	545	514	NR	675	492	NR	805	12	NR	935	0	NR
420	11	NR	550	530	NR	680	440	NR	810	10	NR	940	0	NR
425	20	NR	555	551	NR	685	393	NR	815	9	NR	945	0	NR
430	35	NR	560	577	NR	690	347	NR	820	8	NR	950	0	NR
435	62	NR	565	604	NR	695	306	NR	825	7	NR	955	0	NR
440	104	NR	570	640	NR	700	268	NR	830	6	NR	960	0	NR
445	168	NR	575	679	NR	705	235	NR	835	5	NR	965	0	NR
450	272	NR	580	726	NR	710	205	NR	840	4	NR	970	0	NR
455	370	NR	585	774	NR	715	179	NR	845	4	NR	975	0	NR
460	344	NR	590	824	NR	720	156	NR	850	3	NR	980	0	NR
465	257	NR	595	877	NR	725	134	NR	855	3	NR	985	0	NR
470	224	NR	600	920	NR	730	116	NR	860	2	NR	990	0	NR
475	204	NR	605	957	NR	735	100	NR	865	2	NR	995	0	NR
480	188	NR	610	982	NR	740	85	NR	870	2	NR	1000	0	NR
485	202	NR	615	999	NR	745	73	NR	875	2	NR			

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Scotopic Flux vs. Wavelength



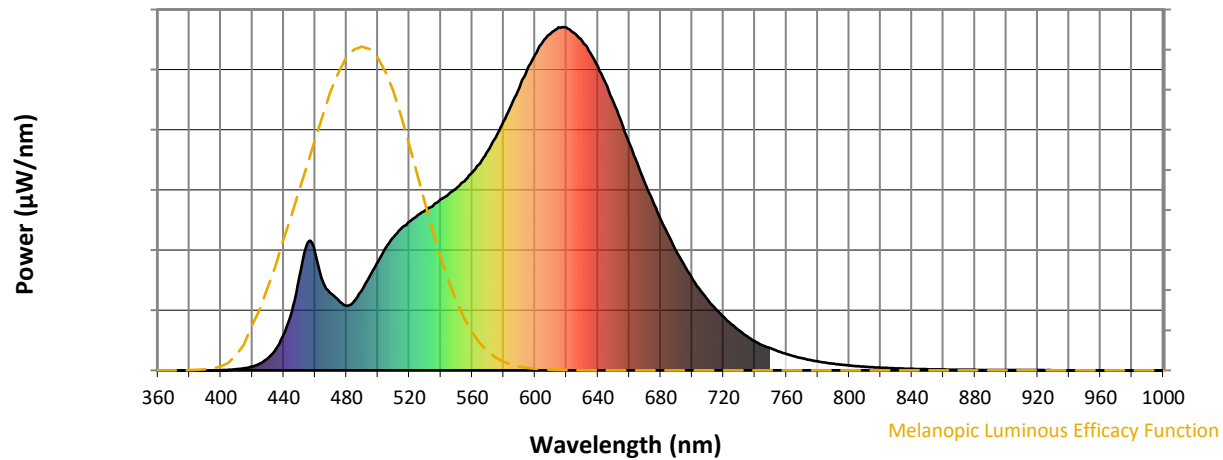
Scotopic Lumens: NR

S/P: 1.31

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	236	NR	620	998	NR	750	64	NR	880	1	NR
365	0	NR	495	276	NR	625	983	NR	755	55	NR	885	1	NR
370	0	NR	500	317	NR	630	960	NR	760	48	NR	890	1	NR
375	0	NR	505	357	NR	635	927	NR	765	41	NR	895	1	NR
380	0	NR	510	389	NR	640	885	NR	770	35	NR	900	1	NR
385	0	NR	515	414	NR	645	836	NR	775	30	NR	905	1	NR
390	0	NR	520	434	NR	650	781	NR	780	26	NR	910	1	NR
395	0	NR	525	450	NR	655	723	NR	785	22	NR	915	1	NR
400	1	NR	530	466	NR	660	662	NR	790	19	NR	920	1	NR
405	2	NR	535	480	NR	665	604	NR	795	16	NR	925	0	NR
410	3	NR	540	498	NR	670	546	NR	800	14	NR	930	0	NR
415	6	NR	545	514	NR	675	492	NR	805	12	NR	935	0	NR
420	11	NR	550	530	NR	680	440	NR	810	10	NR	940	0	NR
425	20	NR	555	551	NR	685	393	NR	815	9	NR	945	0	NR
430	35	NR	560	577	NR	690	347	NR	820	8	NR	950	0	NR
435	62	NR	565	604	NR	695	306	NR	825	7	NR	955	0	NR
440	104	NR	570	640	NR	700	268	NR	830	6	NR	960	0	NR
445	168	NR	575	679	NR	705	235	NR	835	5	NR	965	0	NR
450	272	NR	580	726	NR	710	205	NR	840	4	NR	970	0	NR
455	370	NR	585	774	NR	715	179	NR	845	4	NR	975	0	NR
460	344	NR	590	824	NR	720	156	NR	850	3	NR	980	0	NR
465	257	NR	595	877	NR	725	134	NR	855	3	NR	985	0	NR
470	224	NR	600	920	NR	730	116	NR	860	2	NR	990	0	NR
475	204	NR	605	957	NR	735	100	NR	865	2	NR	995	0	NR
480	188	NR	610	982	NR	740	85	NR	870	2	NR	1000	0	NR
485	202	NR	615	999	NR	745	73	NR	875	2	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.5

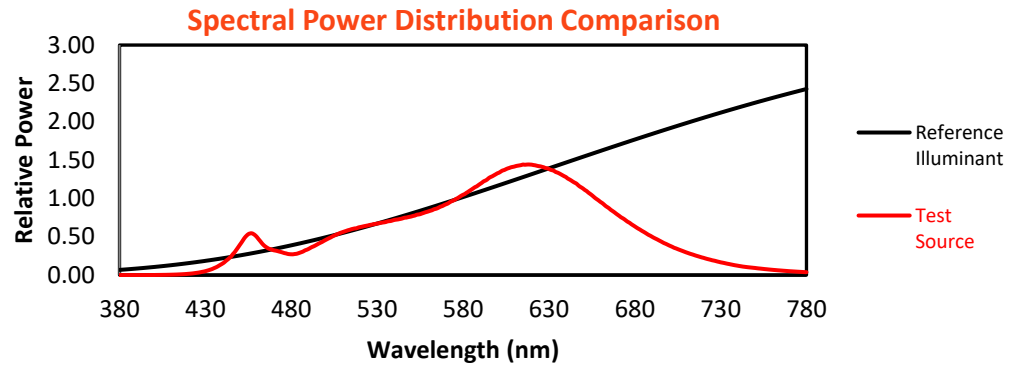
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	236	NR	620	998	NR	750	64	NR	880	1	NR
365	0	NR	495	276	NR	625	983	NR	755	55	NR	885	1	NR
370	0	NR	500	317	NR	630	960	NR	760	48	NR	890	1	NR
375	0	NR	505	357	NR	635	927	NR	765	41	NR	895	1	NR
380	0	NR	510	389	NR	640	885	NR	770	35	NR	900	1	NR
385	0	NR	515	414	NR	645	836	NR	775	30	NR	905	1	NR
390	0	NR	520	434	NR	650	781	NR	780	26	NR	910	1	NR
395	0	NR	525	450	NR	655	723	NR	785	22	NR	915	1	NR
400	1	NR	530	466	NR	660	662	NR	790	19	NR	920	1	NR
405	2	NR	535	480	NR	665	604	NR	795	16	NR	925	0	NR
410	3	NR	540	498	NR	670	546	NR	800	14	NR	930	0	NR
415	6	NR	545	514	NR	675	492	NR	805	12	NR	935	0	NR
420	11	NR	550	530	NR	680	440	NR	810	10	NR	940	0	NR
425	20	NR	555	551	NR	685	393	NR	815	9	NR	945	0	NR
430	35	NR	560	577	NR	690	347	NR	820	8	NR	950	0	NR
435	62	NR	565	604	NR	695	306	NR	825	7	NR	955	0	NR
440	104	NR	570	640	NR	700	268	NR	830	6	NR	960	0	NR
445	168	NR	575	679	NR	705	235	NR	835	5	NR	965	0	NR
450	272	NR	580	726	NR	710	205	NR	840	4	NR	970	0	NR
455	370	NR	585	774	NR	715	179	NR	845	4	NR	975	0	NR
460	344	NR	590	824	NR	720	156	NR	850	3	NR	980	0	NR
465	257	NR	595	877	NR	725	134	NR	855	3	NR	985	0	NR
470	224	NR	600	920	NR	730	116	NR	860	2	NR	990	0	NR
475	204	NR	605	957	NR	735	100	NR	865	2	NR	995	0	NR
480	188	NR	610	982	NR	740	85	NR	870	2	NR	1000	0	NR
485	202	NR	615	999	NR	745	73	NR	875	2	NR			

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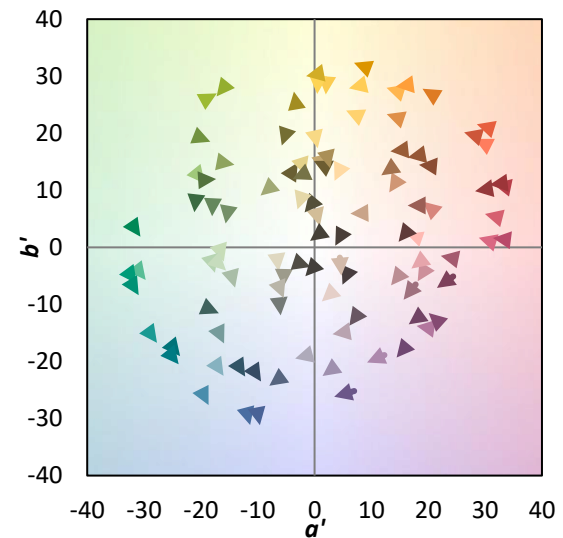
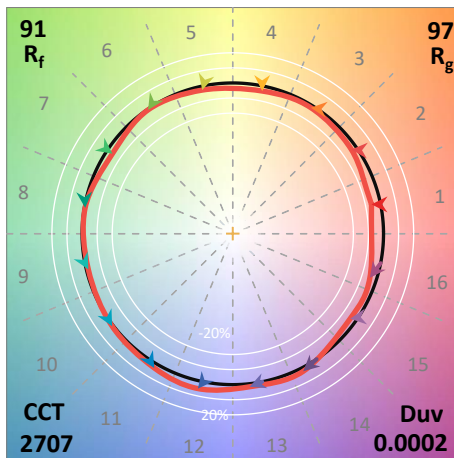
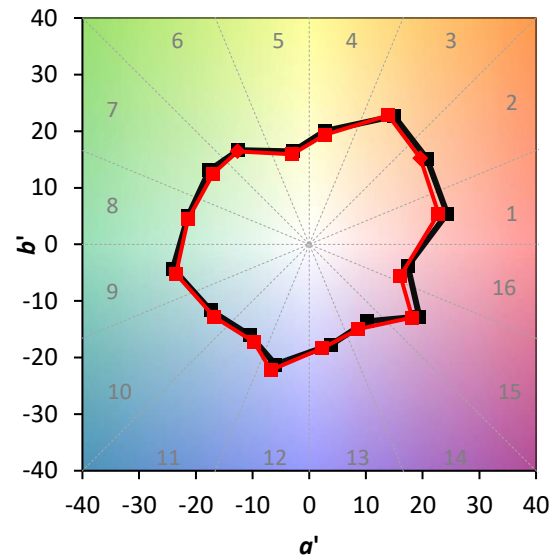
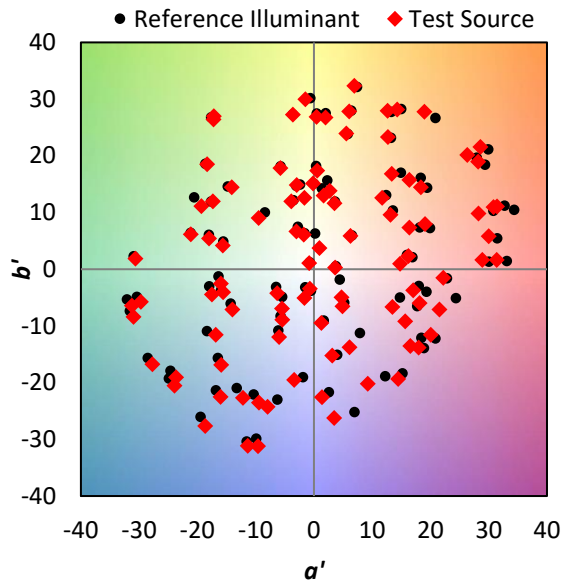
TM-30-18

Summary

$R_f = 91.2$
 $R_g = 97.1$
 $CIE R_a = 92.2$
 $R_9 = 50.2$

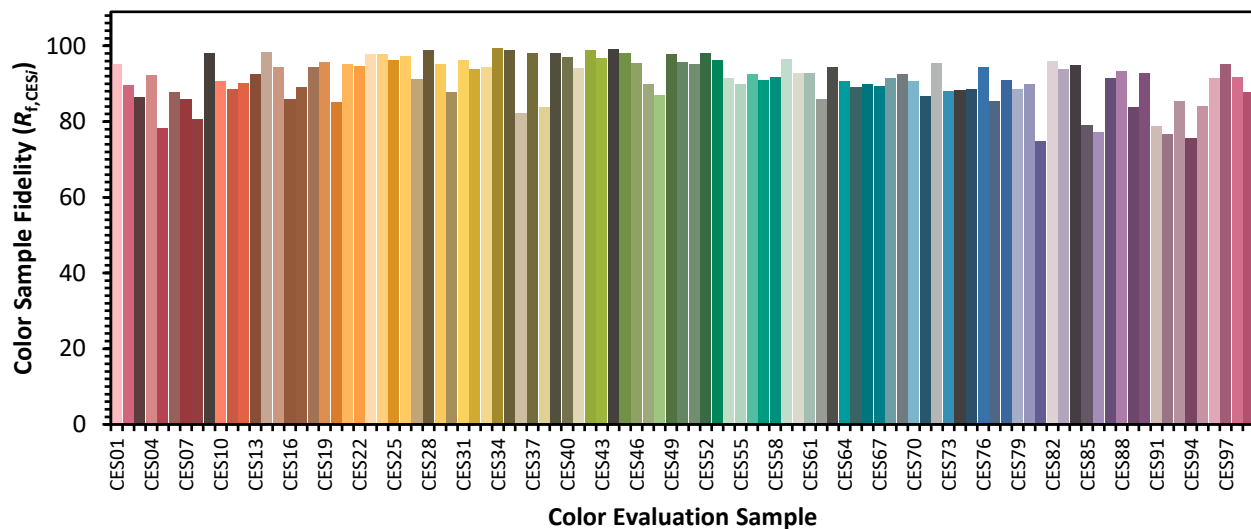


Color Vector Graphics

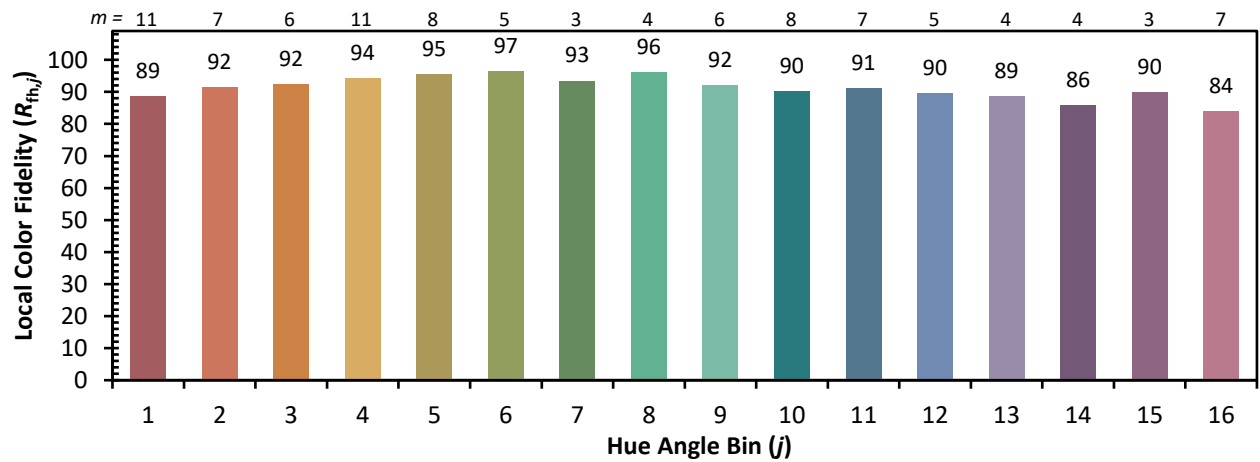
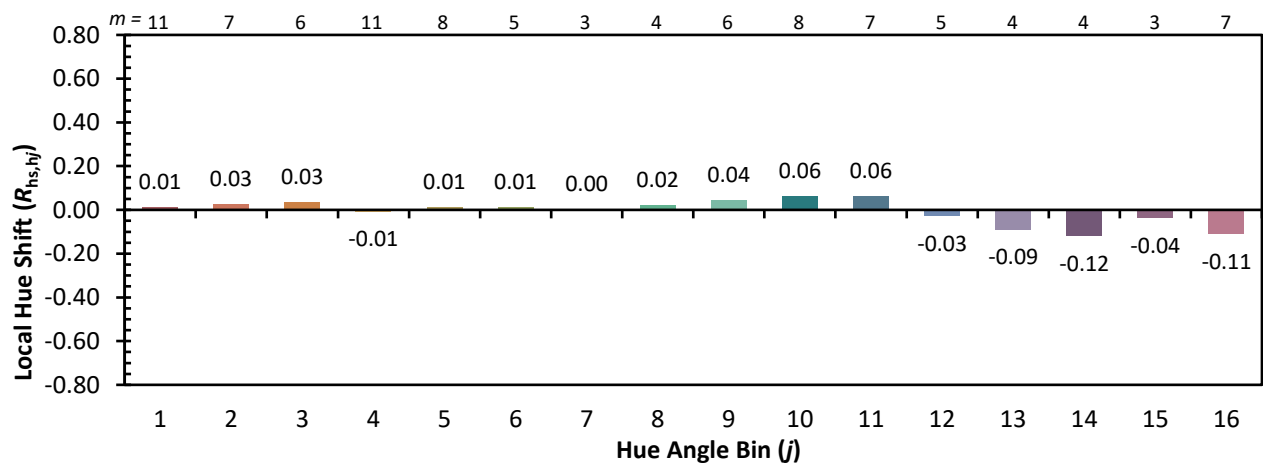
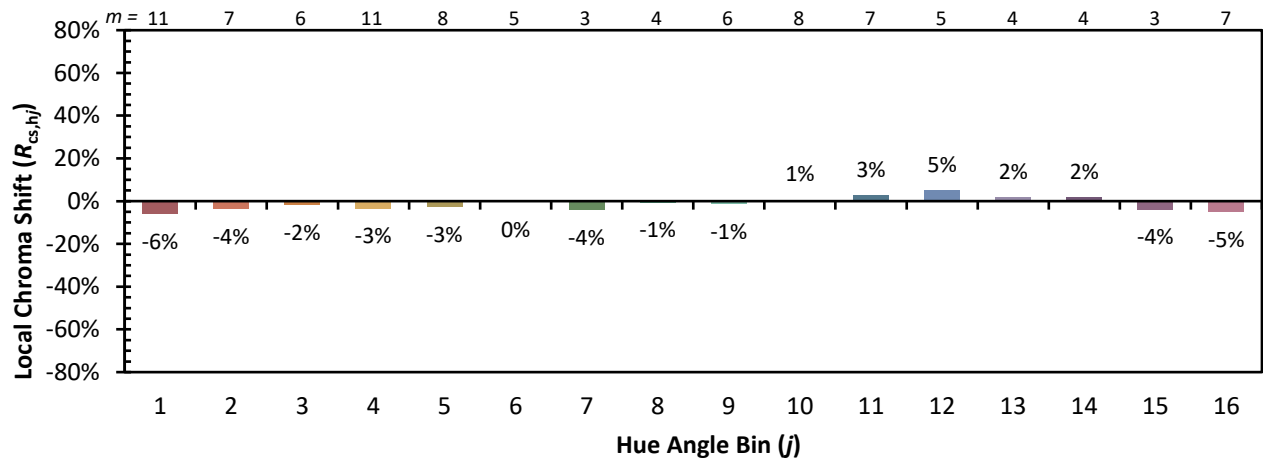


Individual Sample Fidelity Index ($R_{f,i}$)

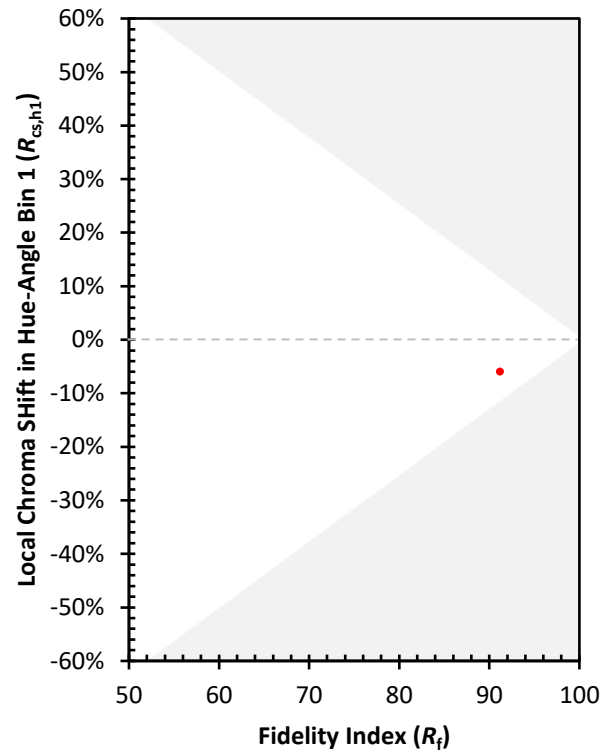
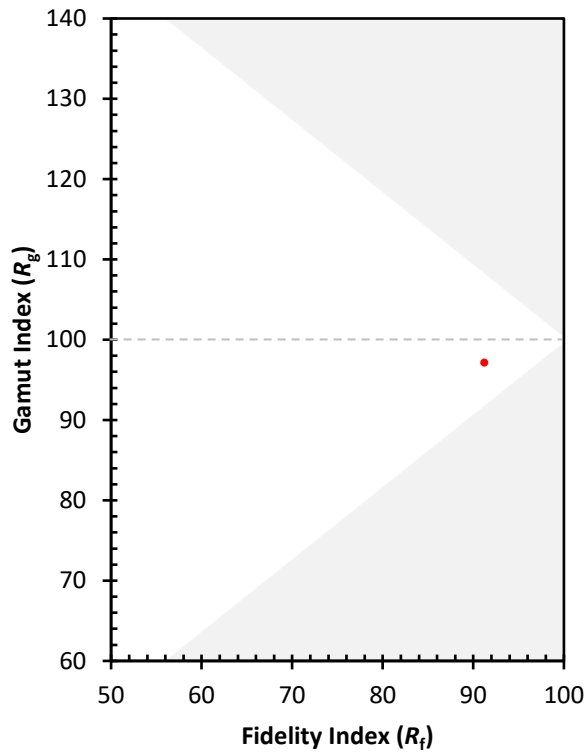
CES01 = 86	CES26 = 97	CES51 = 95	CES76 = 94
CES02 = 64	CES27 = 91	CES52 = 98	CES77 = 85
CES03 = 32	CES28 = 99	CES53 = 96	CES78 = 91
CES04 = 71	CES29 = 95	CES54 = 91	CES79 = 89
CES05 = 51	CES30 = 88	CES55 = 90	CES80 = 90
CES06 = 52	CES31 = 96	CES56 = 93	CES81 = 75
CES07 = 44	CES32 = 94	CES57 = 91	CES82 = 96
CES08 = 43	CES33 = 94	CES58 = 92	CES83 = 94
CES09 = 29	CES34 = 99	CES59 = 97	CES84 = 95
CES10 = 77	CES35 = 99	CES60 = 93	CES85 = 79
CES11 = 59	CES36 = 82	CES61 = 93	CES86 = 77
CES12 = 66	CES37 = 98	CES62 = 86	CES87 = 91
CES13 = 44	CES38 = 84	CES63 = 94	CES88 = 93
CES14 = 74	CES39 = 98	CES64 = 91	CES89 = 84
CES15 = 72	CES40 = 97	CES65 = 89	CES90 = 93
CES16 = 48	CES41 = 94	CES66 = 90	CES91 = 79
CES17 = 50	CES42 = 99	CES67 = 89	CES92 = 77
CES18 = 57	CES43 = 97	CES68 = 91	CES93 = 86
CES19 = 72	CES44 = 99	CES69 = 93	CES94 = 76
CES20 = 68	CES45 = 98	CES70 = 91	CES95 = 84
CES21 = 87	CES46 = 96	CES71 = 87	CES96 = 91
CES22 = 79	CES47 = 90	CES72 = 96	CES97 = 95
CES23 = 92	CES48 = 87	CES73 = 88	CES98 = 92
CES24 = 91	CES49 = 98	CES74 = 88	CES99 = 88
CES25 = 72	CES50 = 96	CES75 = 89	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)