

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: iO LED

Report Number: P861221

Luminaire Tested: CS-SL-9SCT-120-ID-UNV-W-SA-STD-1F-(High-3500K)

Issue Date: 8/14/2024

Test Information

Test Method: LM-79-2019
Report Number: P861221
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-259-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 8/14/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: iO LED
Catalog Number: CS-SL-9SCT-120-ID-UNV-W-SA-STD-1F-(High-3500K)
Description: iO CovSelect LED LINEAR LUMINAIRE, 1 FOOT, LOW OUTPUT
ADJUSTED TO 3500K
Light Source: 3500 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 704.7 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.18 / 1.29
Luminous Opening: Rectangular w/ Sides (W: 0.08' x L: 1' x H: 0.02')
CIE Type: Direct

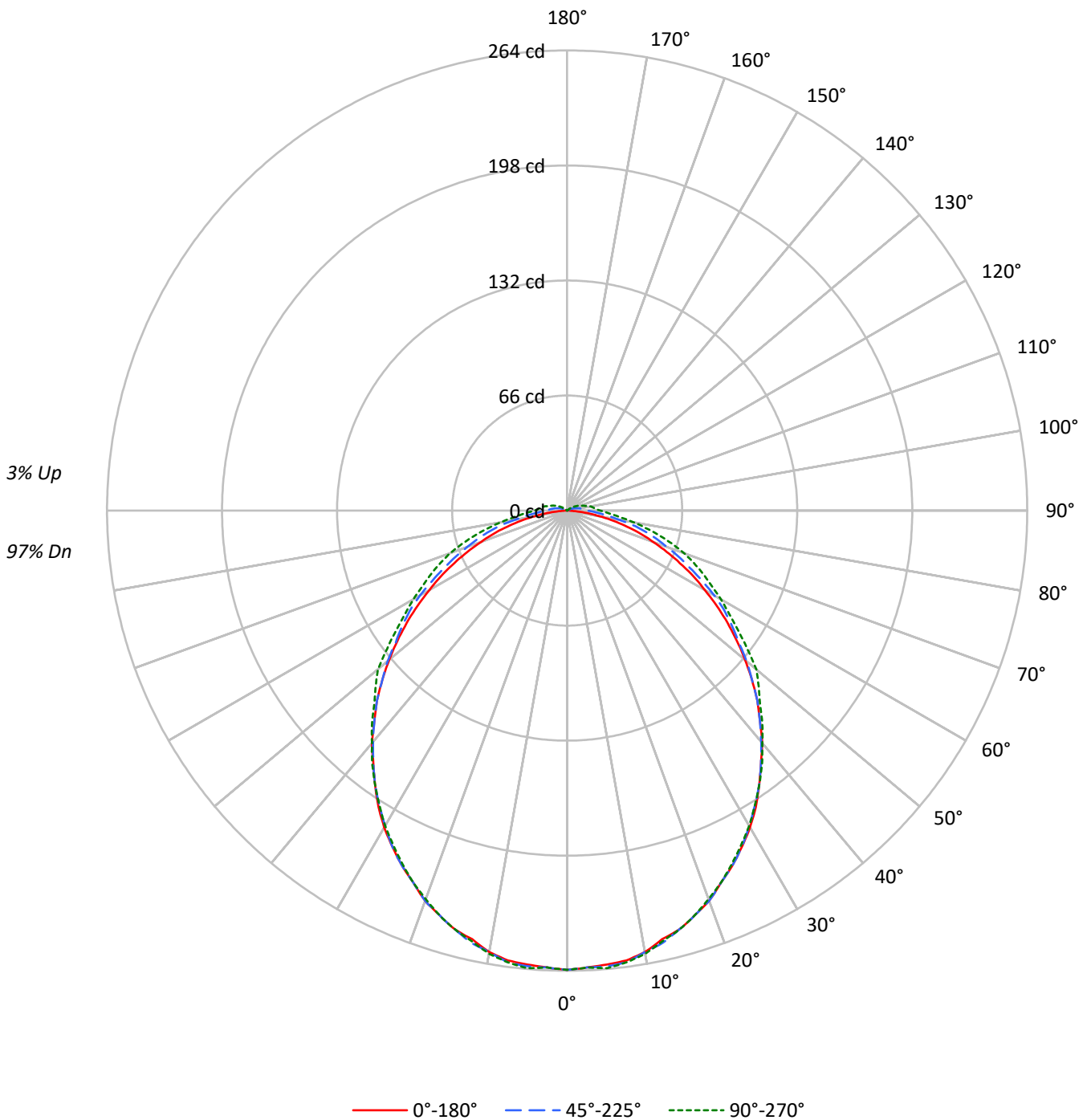
Input Watts (W): 6.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.9754
Total Harmonic Distortion (THDi): 0.0541
Frequency (hertz): 60
Stabilization Time: 0.333 HR
Operation Time: 3 HR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P861221

CATALOG NUMBER: CS-SL-9SCT-120-ID-UNV-W-SA-STD-1F-(High-3500K)

Luminous Intensity Polar Plot



TEST NUMBER: P861221

CATALOG NUMBER: CS-SL-9SCT-120-ID-UNV-W-SA-STD-1F-(High-3500K)

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	50	30	10	0		
RCR																										
0	118	118	118	118	115	115	115	115	110	110	110	104	104	104	100	100	100	97								
1	108	103	99	95	105	100	97	93	96	92	90	91	89	86	87	85	83	81								
2	98	90	83	77	95	88	82	76	84	79	74	80	76	72	77	73	70	68								
3	90	79	71	65	87	77	70	64	74	68	62	71	65	61	68	63	60	57								
4	82	70	62	55	80	69	61	54	66	59	53	63	57	52	61	56	51	49								
5	76	63	54	47	73	62	53	47	59	52	46	57	51	46	55	49	45	43								
6	70	57	48	42	68	56	47	41	54	46	41	52	45	40	50	44	40	37								
7	65	52	43	37	63	51	42	37	49	41	36	47	41	36	46	40	35	33								
8	61	47	39	33	59	46	38	33	45	38	32	43	37	32	42	36	32	30								
9	57	43	35	30	55	43	35	30	41	34	29	40	34	29	39	33	29	27								
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26	24								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	34036	34036	34036
5°	33832	33462	33434
10°	33611	32632	32436
15°	33086	31647	31182
20°	32510	30622	29886
25°	31702	29386	28540
30°	30934	28055	27227
35°	29856	26710	25779
40°	28868	25161	24280
45°	27611	23656	22856
50°	26138	21989	21938
55°	24559	20424	19864
60°	22765	18933	18352
65°	20889	16834	17131
70°	18754	15070	15985
75°	16531	13446	14097
80°	12573	10840	11937
85°	7541	8784	10066

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 27611 cd/sqm



TEST NUMBER: P861221

CATALOG NUMBER: CS-SL-9SCT-120-ID-UNV-W-SA-STD-1F-(High-3500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.9	3.5
10°-20°	70.0	9.9
20°-30°	103.2	14.6
30°-40°	119.9	17.0
40°-50°	119.2	16.9
50°-60°	103.5	14.7
60°-70°	77.7	11.0
70°-80°	48.0	6.8
80°-90°	20.1	2.9
90°-100°	9.3	1.3
100°-110°	5.5	0.8
110°-120°	2.6	0.4
120°-130°	0.8	0.1
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°	198.0	28.1
0°-40°	317.9	45.1
0°-60°	540.6	76.7
0°-90°	686.4	97.4
90°-120°	17.4	2.5
90°-150°	18.3	2.6
90°-180°	18.0	2.6
0°-180°	704.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	264	264	264	264	264	
5°	261	261	262	262	264	25
15°	249	248	249	249	249	70
25°	225	224	225	224	224	103
35°	192	191	192	192	192	120
45°	154	152	154	155	156	119
55°	112	111	116	120	120	100
65°	71	72	78	84	86	71
75°	36	38	46	52	55	38
85°	6	10	19	24	26	8
90°	0	4	12	17	19	0
95°	0	3	9	14	16	0
105°	0	1	5	9	10	0
115°	0	0	2	5	6	0
125°	0	0	0	2	3	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
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: CS-SL-9SCT-120-ID-UNV-W-SA-STD-1F-(High-3500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	263.5	263.5	263.5	263.5	263.5
2.5°	262.4	262.4	262.4	262.4	262.4
5°	261.4	261.4	262.4	262.4	263.5
7.5°	260.3	259.3	261.4	261.4	261.4
10°	257.2	256.1	257.2	257.2	258.2
12.5°	251.9	250.9	254.0	253.0	253.0
15°	248.8	247.7	248.8	248.8	248.8
17.5°	243.5	242.5	243.5	243.5	243.5
20°	238.3	237.2	238.3	237.2	237.2
22.5°	230.9	230.9	230.9	230.9	230.9
25°	224.6	223.6	224.6	223.6	223.6
27.5°	217.3	216.2	217.3	216.2	216.2
30°	209.9	208.9	208.9	208.9	208.9
32.5°	201.5	200.5	200.5	200.5	200.5
35°	192.1	191.0	192.1	192.1	192.1
37.5°	182.6	181.6	182.6	182.6	183.7
40°	174.2	172.1	173.2	174.2	174.2
42.5°	163.7	162.7	163.7	164.8	165.8
45°	154.3	152.2	154.3	155.3	156.4
47.5°	143.8	141.7	143.8	146.9	149.0
50°	133.3	132.3	134.4	138.5	141.7
52.5°	122.8	121.8	123.9	130.2	130.2
55°	112.3	111.3	115.5	119.7	119.7
57.5°	101.8	100.8	107.1	109.2	110.2
60°	91.3	91.3	97.6	99.7	101.8
62.5°	81.9	81.9	87.1	91.3	93.4
65°	71.4	72.4	77.7	84.0	86.1
67.5°	61.9	63.0	69.3	76.6	78.7
70°	52.5	54.6	60.9	69.3	71.4
72.5°	44.1	46.2	53.5	60.9	63.0
75°	35.7	37.8	46.2	52.5	54.6
77.5°	27.3	29.4	38.8	44.1	46.2
80°	18.9	23.1	30.4	36.7	38.8
82.5°	12.6	15.7	24.1	30.4	31.5
85°	6.3	10.5	18.9	24.1	26.2
87.5°	2.1	6.3	14.7	19.9	22.0
90°	0.0	4.2	11.5	16.8	18.9
92.5°	0.0	3.1	10.5	15.7	16.8
95°	0.0	3.1	9.4	13.6	15.7
97.5°	0.0	2.1	8.4	12.6	14.7
100°	0.0	2.1	7.3	11.5	13.6
102.5°	0.0	1.0	6.3	10.5	11.5
105°	0.0	1.0	5.2	9.4	10.5
107.5°	0.0	0.0	4.2	8.4	9.4
110°	0.0	0.0	3.1	7.3	8.4



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CATALOG NUMBER: CS-SL-9SCT-120-ID-UNV-W-SA-STD-1F-(High-3500K)

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	3.1	6.3	7.3
115°	0.0	0.0	2.1	5.2	6.3
117.5°	0.0	0.0	1.0	4.2	5.2
120°	0.0	0.0	1.0	3.1	4.2
122.5°	0.0	0.0	1.0	2.1	3.1
125°	0.0	0.0	0.0	2.1	3.1
127.5°	0.0	0.0	0.0	1.0	2.1
130°	0.0	0.0	0.0	1.0	1.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
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

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

Report Prepared for

Cooper Lighting Solutions

iO LED

Report Number: SP1-2312-259-9

Test Date: 02/01/2024

Luminaire Tested: CS-SL-8SCT-120-ID-UNV-W-SA-STD-1F (HIGH-3500K)

Data in this report applies to families of CS-SL-8SCT products

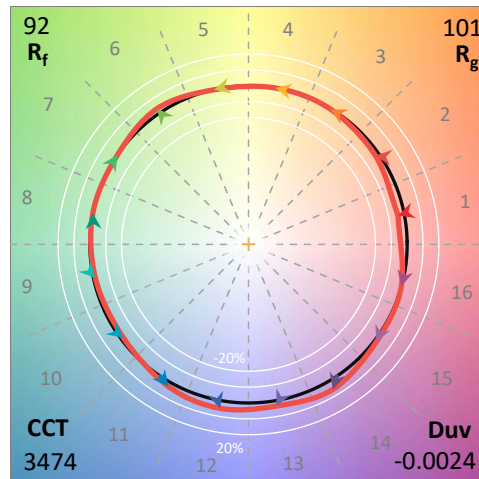
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2312-259-9
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 02/08/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: iO LED
 Catalog Number: **CS-SL-9SCT-120-ID-UNV-W-SA-STD-1F (HIGH-3500K)**
 Description: IO LED COVSELECT ARCHITECTURAL COVE

Spectral Parameters

CCT (K): 3474
 CIE u': 0.2374
 CIE v': 0.5086
 Duv: -0.0024
 CIE x: 0.4041
 CIE y: 0.3847
 CIE z: 0.2112
 Peak Wavelength (nm): 614
 Dominant Wavelength (nm): 582
 Purity: 36.9
 Rf: 92.4
 Rg: 101

CRI (Ra):	94.8		
R1:	96.3	R9:	68.8
R2:	97.4	R10:	93.0
R3:	96.9	R11:	95.8
R4:	95.8	R12:	81.2
R5:	96.0	R13:	97.0
R6:	95.5	R14:	97.8
R7:	93.7		
R8:	86.9		



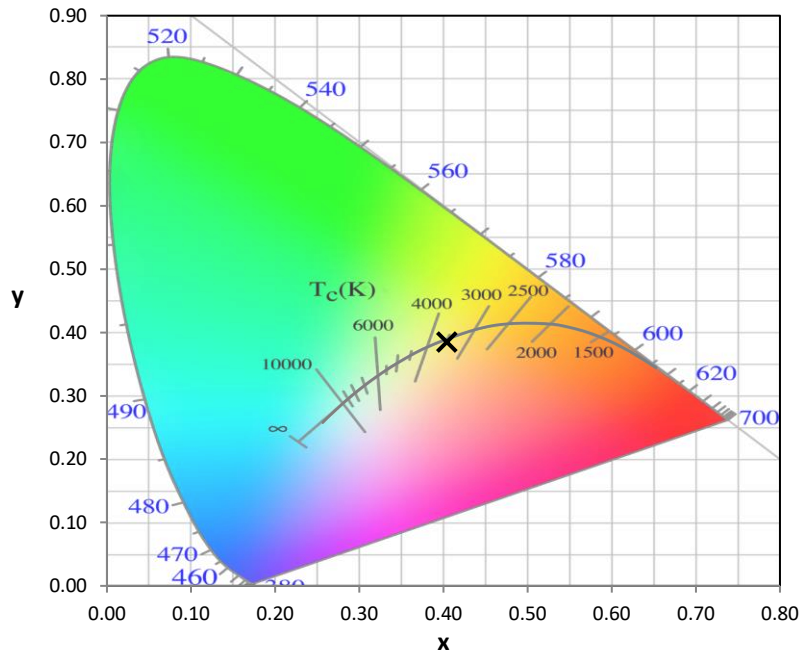
Test Conditions
 Stabilization Time: 11M
 Operation Time: 12H
 Room Temperature (°C) / RH%: 25.4/24%
 Sphere Temperature (°C): 25.1

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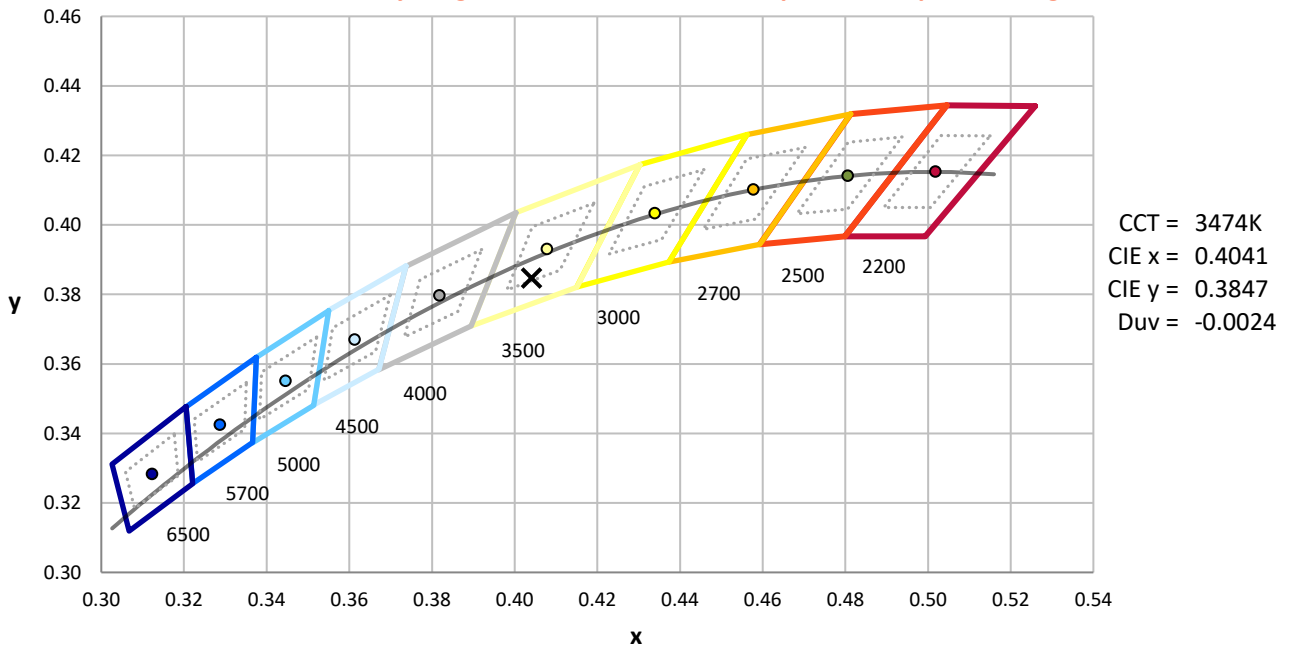
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	8/9/2023	2/9/2024
Power Meter	XITRON 2801 IN0071	10/23/2023	10/23/2024
AC Power Source	CHROMA 61603 IN0063	10/24/2023	10/24/2024
DC Power Source	AGILENT E3634A IN0208	10/24/2023	10/24/2024
Sphere Thermometer	ONSET IN0085	10/24/2023	10/24/2024
Room Thermometer	ONSET IN0046	10/24/2023	10/24/2024

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CIE 1931 Chromaticity Diagram



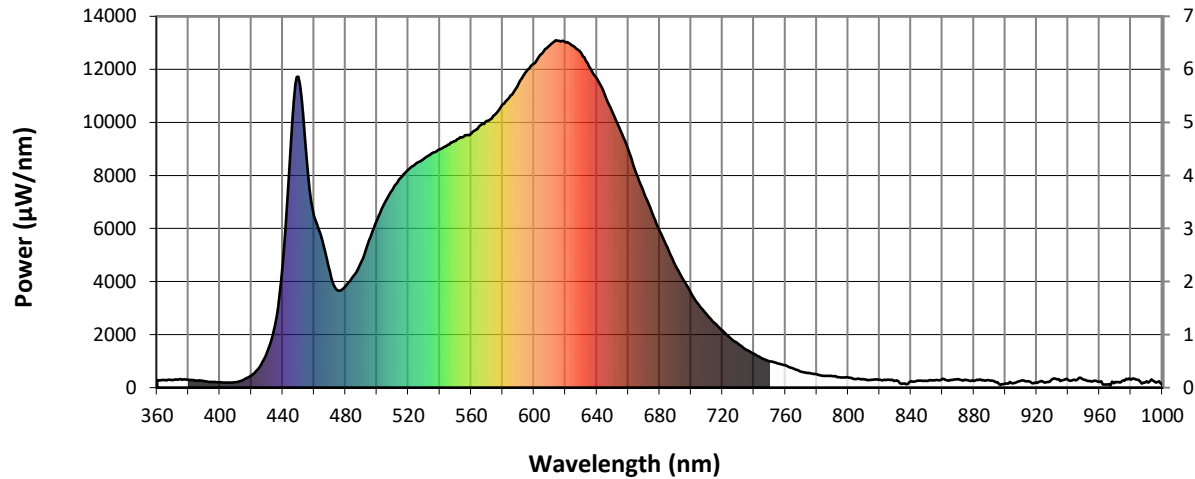
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 4-step quadrangle

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Photopic Flux vs. Wavelength

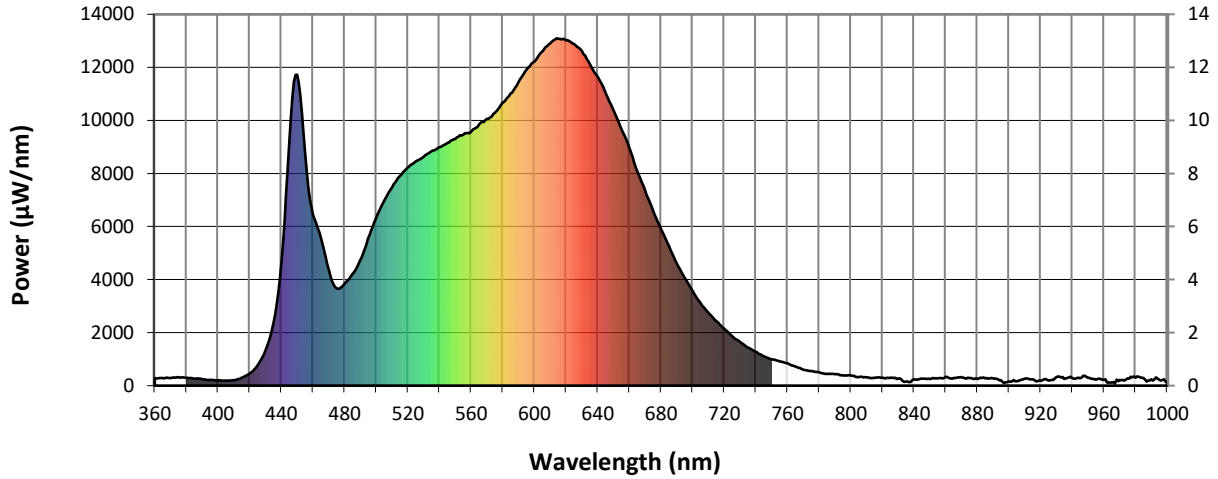


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λ (nm)	Power ($\mu\text{W}/\text{nm}$)	Lumens (ϕ/nm)	λ (nm)	Power ($\mu\text{W}/\text{nm}$)	Lumens (ϕ/nm)	λ (nm)	Power ($\mu\text{W}/\text{nm}$)	Lumens (ϕ/nm)	λ (nm)	Power ($\mu\text{W}/\text{nm}$)	Lumens (ϕ/nm)	λ (nm)	Power ($\mu\text{W}/\text{nm}$)	Lumens (ϕ/nm)
360	291	NR	490	4747	NR	620	13009	NR	750	988	NR	880	252	NR
365	282	NR	495	5555	NR	625	12881	NR	755	912	NR	885	276	NR
370	290	NR	500	6319	NR	630	12622	NR	760	836	NR	890	280	NR
375	328	NR	505	6975	NR	635	12118	NR	765	724	NR	895	201	NR
380	305	NR	510	7477	NR	640	11658	NR	770	604	NR	900	157	NR
385	268	NR	515	7901	NR	645	11039	NR	775	552	NR	905	168	NR
390	244	NR	520	8226	NR	650	10377	NR	780	501	NR	910	258	NR
395	218	NR	525	8460	NR	655	9681	NR	785	439	NR	915	233	NR
400	202	NR	530	8638	NR	660	8972	NR	790	437	NR	920	184	NR
405	190	NR	535	8835	NR	665	8081	NR	795	390	NR	925	194	NR
410	207	NR	540	8980	NR	670	7347	NR	800	387	NR	930	323	NR
415	297	NR	545	9149	NR	675	6606	NR	805	321	NR	935	257	NR
420	459	NR	550	9305	NR	680	5911	NR	810	316	NR	940	285	NR
425	760	NR	555	9458	NR	685	5264	NR	815	296	NR	945	273	NR
430	1320	NR	560	9576	NR	690	4617	NR	820	296	NR	950	304	NR
435	2349	NR	565	9850	NR	695	4067	NR	825	296	NR	955	225	NR
440	4635	NR	570	10059	NR	700	3570	NR	830	267	NR	960	213	NR
445	9061	NR	575	10295	NR	705	3110	NR	835	156	NR	965	123	NR
450	11728	NR	580	10672	NR	710	2744	NR	840	242	NR	970	212	NR
455	8770	NR	585	11012	NR	715	2433	NR	845	266	NR	975	276	NR
460	6469	NR	590	11448	NR	720	2148	NR	850	246	NR	980	295	NR
465	5601	NR	595	11922	NR	725	1872	NR	855	278	NR	985	282	NR
470	4361	NR	600	12225	NR	730	1650	NR	860	332	NR	990	244	NR
475	3665	NR	605	12594	NR	735	1434	NR	865	291	NR	995	228	NR
480	3839	NR	610	12912	NR	740	1274	NR	870	323	NR	1000	132	NR
485	4204	NR	615	13069	NR	745	1106	NR	875	292	NR			

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Scotopic Flux vs. Wavelength



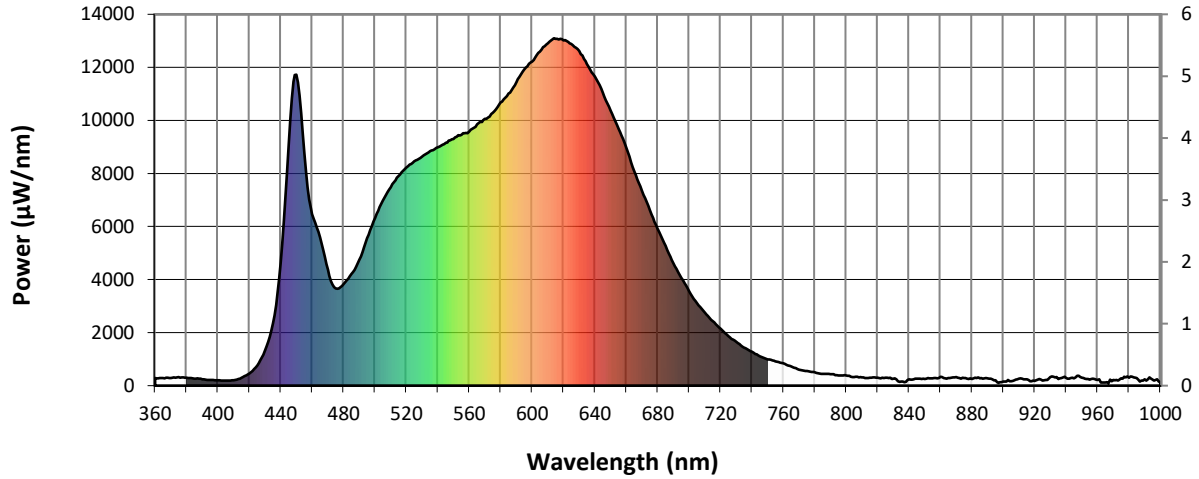
Scotopic Lumens: 1153

S/P: 1.63

λ (nm)	Power (µW/nm)	Lumens (φ/nm)	λ (nm)	Power (µW/nm)	Lumens (φ/nm)	λ (nm)	Power (µW/nm)	Lumens (φ/nm)	λ (nm)	Power (µW/nm)	Lumens (φ/nm)	λ (nm)	Power (µW/nm)	Lumens (φ/nm)
360	291	NR	490	4747	NR	620	13009	NR	750	988	NR	880	252	NR
365	282	NR	495	5555	NR	625	12881	NR	755	912	NR	885	276	NR
370	290	NR	500	6319	NR	630	12622	NR	760	836	NR	890	280	NR
375	328	NR	505	6975	NR	635	12118	NR	765	724	NR	895	201	NR
380	305	NR	510	7477	NR	640	11658	NR	770	604	NR	900	157	NR
385	268	NR	515	7901	NR	645	11039	NR	775	552	NR	905	168	NR
390	244	NR	520	8226	NR	650	10377	NR	780	501	NR	910	258	NR
395	218	NR	525	8460	NR	655	9681	NR	785	439	NR	915	233	NR
400	202	NR	530	8638	NR	660	8972	NR	790	437	NR	920	184	NR
405	190	NR	535	8835	NR	665	8081	NR	795	390	NR	925	194	NR
410	207	NR	540	8980	NR	670	7347	NR	800	387	NR	930	323	NR
415	297	NR	545	9149	NR	675	6606	NR	805	321	NR	935	257	NR
420	459	NR	550	9305	NR	680	5911	NR	810	316	NR	940	285	NR
425	760	NR	555	9458	NR	685	5264	NR	815	296	NR	945	273	NR
430	1320	NR	560	9576	NR	690	4617	NR	820	296	NR	950	304	NR
435	2349	NR	565	9850	NR	695	4067	NR	825	296	NR	955	225	NR
440	4635	NR	570	10059	NR	700	3570	NR	830	267	NR	960	213	NR
445	9061	NR	575	10295	NR	705	3110	NR	835	156	NR	965	123	NR
450	11728	NR	580	10672	NR	710	2744	NR	840	242	NR	970	212	NR
455	8770	NR	585	11012	NR	715	2433	NR	845	266	NR	975	276	NR
460	6469	NR	590	11448	NR	720	2148	NR	850	246	NR	980	295	NR
465	5601	NR	595	11922	NR	725	1872	NR	855	278	NR	985	282	NR
470	4361	NR	600	12225	NR	730	1650	NR	860	332	NR	990	244	NR
475	3665	NR	605	12594	NR	735	1434	NR	865	291	NR	995	228	NR
480	3839	NR	610	12912	NR	740	1274	NR	870	323	NR	1000	132	NR
485	4204	NR	615	13069	NR	745	1106	NR	875	292	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: 462.7

M/P: 0.66

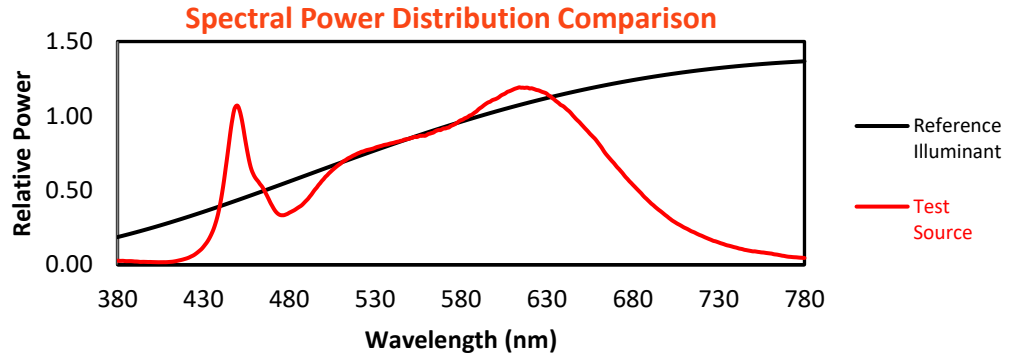
λ (nm)	Power (µW/nm)	Lumens (φ/nm)	λ (nm)	Power (µW/nm)	Lumens (φ/nm)	λ (nm)	Power (µW/nm)	Lumens (φ/nm)	λ (nm)	Power (µW/nm)	Lumens (φ/nm)	λ (nm)	Power (µW/nm)	Lumens (φ/nm)
360	291	NR	490	4747	NR	620	13009	NR	750	988	NR	880	252	NR
365	282	NR	495	5555	NR	625	12881	NR	755	912	NR	885	276	NR
370	290	NR	500	6319	NR	630	12622	NR	760	836	NR	890	280	NR
375	328	NR	505	6975	NR	635	12118	NR	765	724	NR	895	201	NR
380	305	NR	510	7477	NR	640	11658	NR	770	604	NR	900	157	NR
385	268	NR	515	7901	NR	645	11039	NR	775	552	NR	905	168	NR
390	244	NR	520	8226	NR	650	10377	NR	780	501	NR	910	258	NR
395	218	NR	525	8460	NR	655	9681	NR	785	439	NR	915	233	NR
400	202	NR	530	8638	NR	660	8972	NR	790	437	NR	920	184	NR
405	190	NR	535	8835	NR	665	8081	NR	795	390	NR	925	194	NR
410	207	NR	540	8980	NR	670	7347	NR	800	387	NR	930	323	NR
415	297	NR	545	9149	NR	675	6606	NR	805	321	NR	935	257	NR
420	459	NR	550	9305	NR	680	5911	NR	810	316	NR	940	285	NR
425	760	NR	555	9458	NR	685	5264	NR	815	296	NR	945	273	NR
430	1320	NR	560	9576	NR	690	4617	NR	820	296	NR	950	304	NR
435	2349	NR	565	9850	NR	695	4067	NR	825	296	NR	955	225	NR
440	4635	NR	570	10059	NR	700	3570	NR	830	267	NR	960	213	NR
445	9061	NR	575	10295	NR	705	3110	NR	835	156	NR	965	123	NR
450	11728	NR	580	10672	NR	710	2744	NR	840	242	NR	970	212	NR
455	8770	NR	585	11012	NR	715	2433	NR	845	266	NR	975	276	NR
460	6469	NR	590	11448	NR	720	2148	NR	850	246	NR	980	295	NR
465	5601	NR	595	11922	NR	725	1872	NR	855	278	NR	985	282	NR
470	4361	NR	600	12225	NR	730	1650	NR	860	332	NR	990	244	NR
475	3665	NR	605	12594	NR	735	1434	NR	865	291	NR	995	228	NR
480	3839	NR	610	12912	NR	740	1274	NR	870	323	NR	1000	132	NR
485	4204	NR	615	13069	NR	745	1106	NR	875	292	NR			

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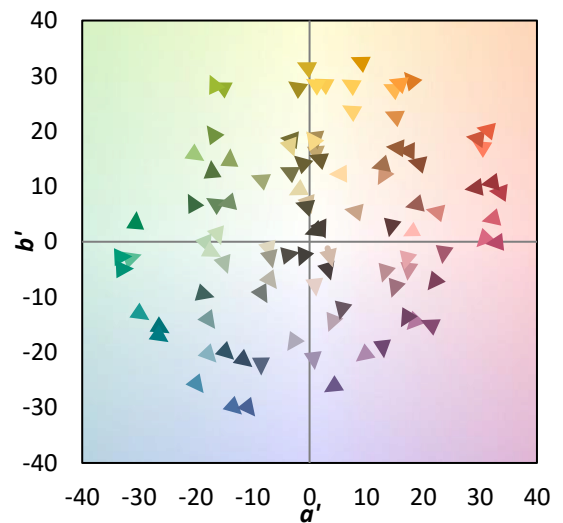
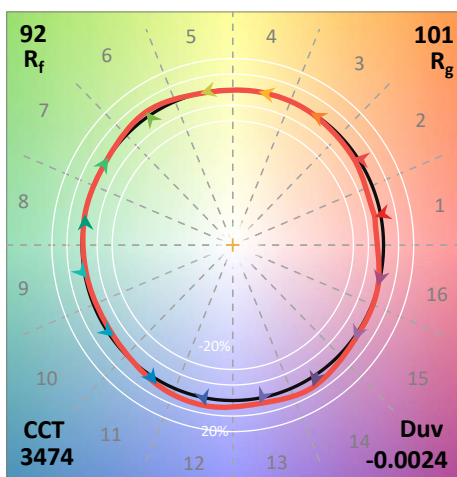
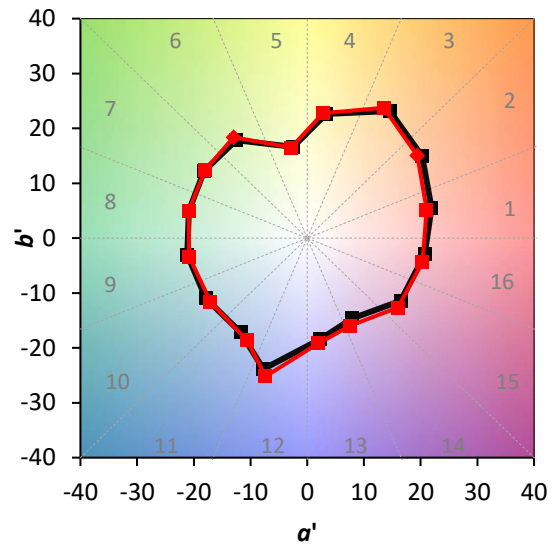
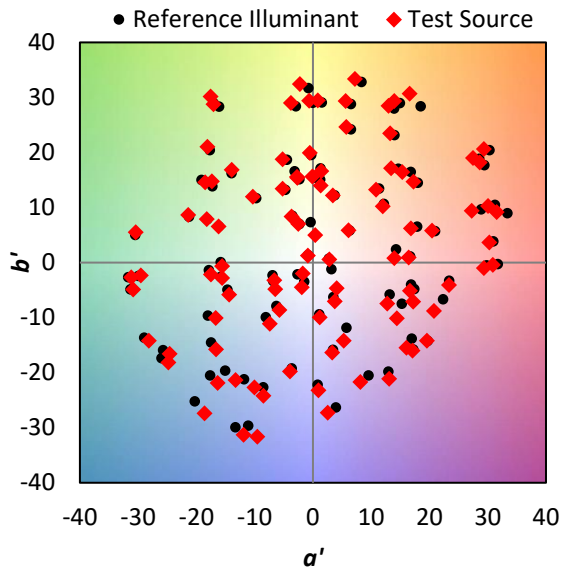
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Summary

$R_f = 92.4$
 $R_g = 101$
 CIE $R_a = 94.8$
 $R_9 = 68.8$



Color Vector Graphics

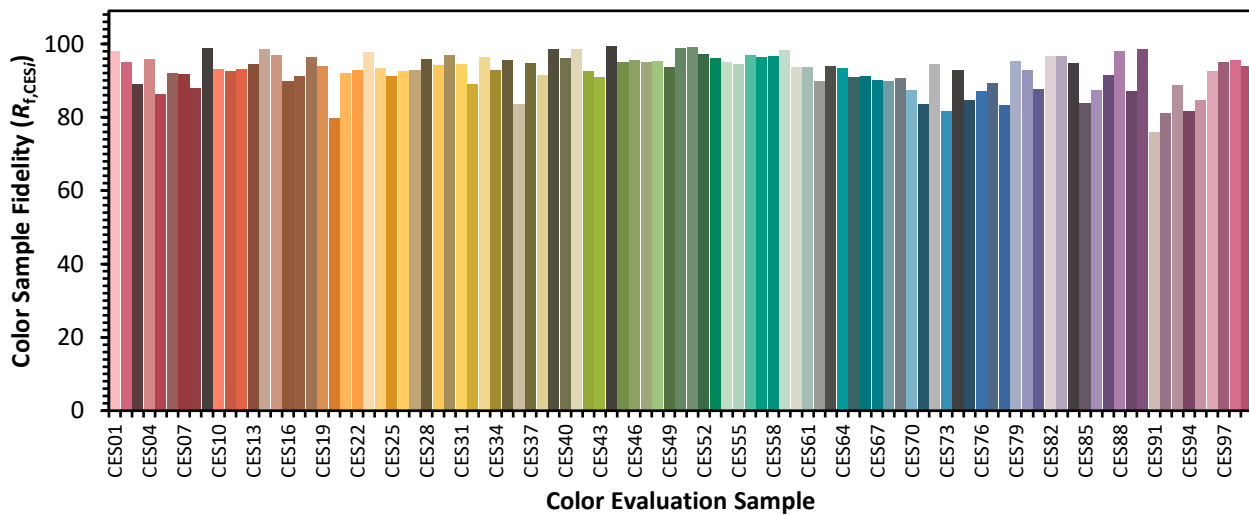


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Individual Sample Fidelity Index ($R_{f,i}$)

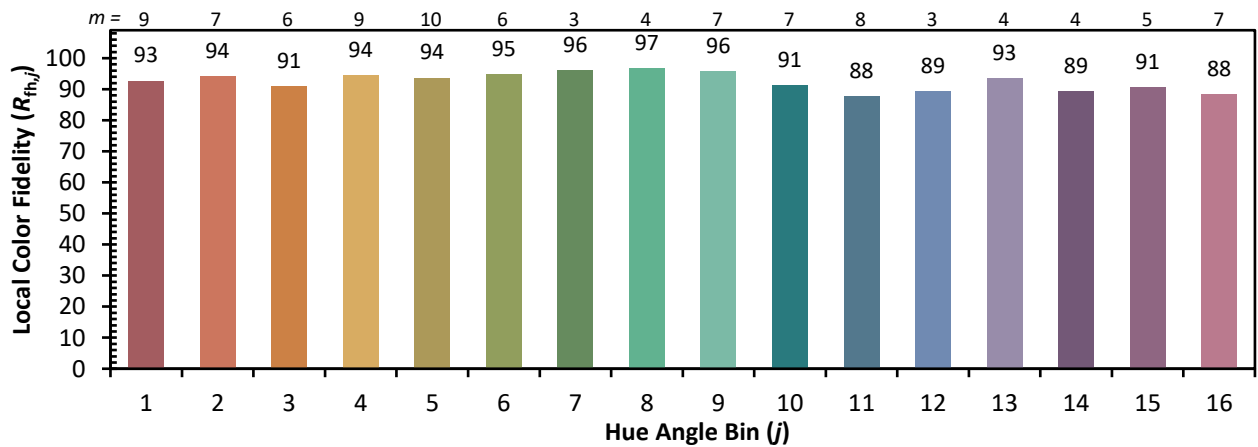
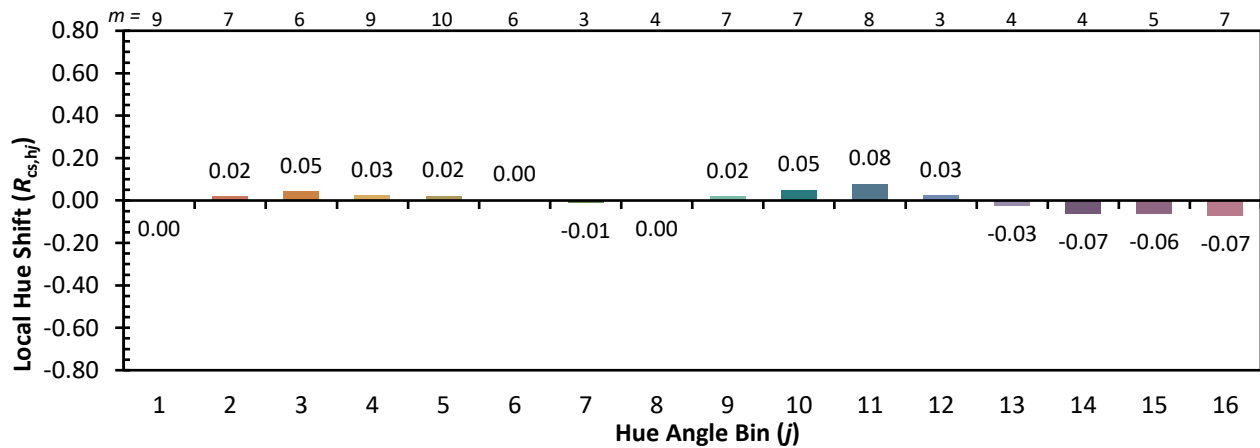
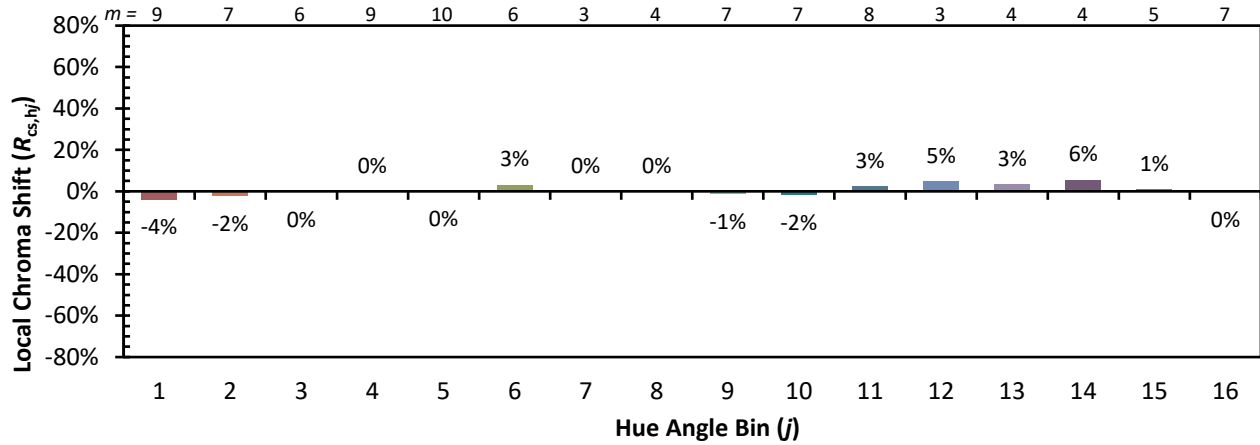
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CES02 = 62	CES27 = 93	CES52 = 97	CES77 = 89
CES03 = 31	CES28 = 96	CES53 = 96	CES78 = 83
CES04 = 70	CES29 = 94	CES54 = 95	CES79 = 95
CES05 = 50	CES30 = 97	CES55 = 94	CES80 = 93
CES06 = 51	CES31 = 95	CES56 = 97	CES81 = 88
CES07 = 43	CES32 = 89	CES57 = 96	CES82 = 97
CES08 = 41	CES33 = 96	CES58 = 97	CES83 = 97
CES09 = 29	CES34 = 93	CES59 = 98	CES84 = 95
CES10 = 75	CES35 = 96	CES60 = 94	CES85 = 84
CES11 = 58	CES36 = 84	CES61 = 94	CES86 = 87
CES12 = 64	CES37 = 95	CES62 = 90	CES87 = 91
CES13 = 43	CES38 = 92	CES63 = 94	CES88 = 98
CES14 = 74	CES39 = 98	CES64 = 93	CES89 = 87
CES15 = 72	CES40 = 96	CES65 = 91	CES90 = 98
CES16 = 48	CES41 = 98	CES66 = 91	CES91 = 76
CES17 = 49	CES42 = 93	CES67 = 90	CES92 = 81
CES18 = 56	CES43 = 91	CES68 = 90	CES93 = 89
CES19 = 71	CES44 = 99	CES69 = 91	CES94 = 82
CES20 = 67	CES45 = 95	CES70 = 87	CES95 = 85
CES21 = 86	CES46 = 95	CES71 = 83	CES96 = 92
CES22 = 78	CES47 = 95	CES72 = 94	CES97 = 95
CES23 = 91	CES48 = 95	CES73 = 82	CES98 = 96
CES24 = 90	CES49 = 94	CES74 = 93	CES99 = 94
CES25 = 71	CES50 = 99	CES75 = 85	



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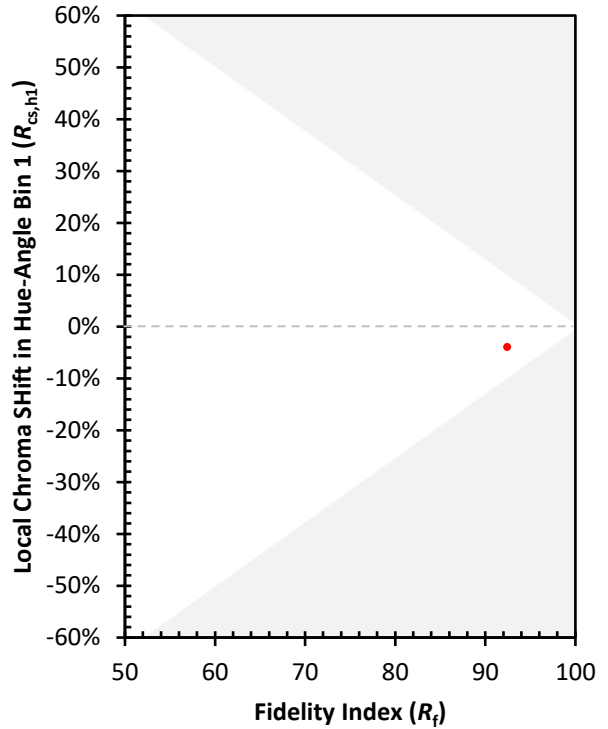
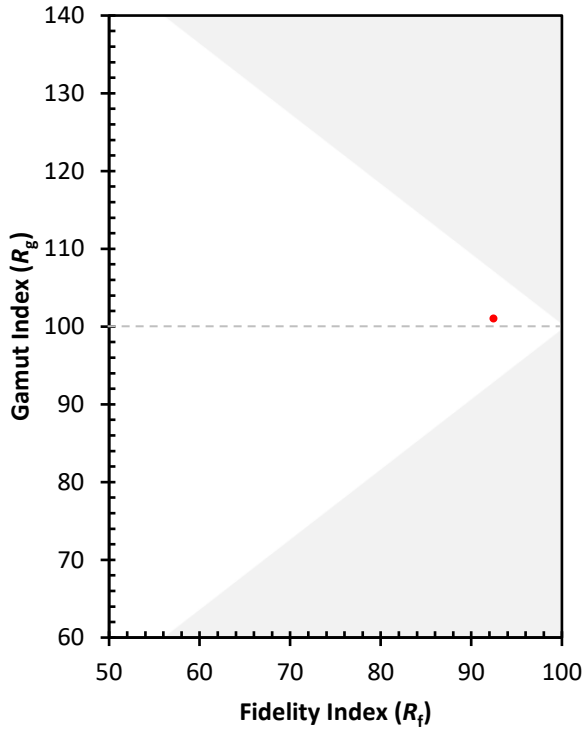
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)