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: METALUX

Report Number: P981644

Luminaire Tested: 4PWM-2060C5-850-MEDIUMHIGH

Issue Date: 01/28/2026

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P981644
Test Lab:	INNOVATION CENTER(P3)
Issue Date:	01/28/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	METALUX
Catalog Number:	4PWM-2060C5-850-MEDIUMHIGH
Description:	METALUX 8.75 INCH PROWRAP 80CRI 5000K FIXTURE MEDIUM-HIGH OUTPUT SETTING
Light Source:	5000K CCT, 80+ CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5162.9 lumens
Efficiency:	N/A
Efficacy:	130.0 lumens/watt
Spacing Criteria (0/90/45):	1.25 / 1.32 / 1.44
Luminous Opening:	Rectangular w/ Sides (W: 0.73' x L: 3.76' x H: 0.19')
CIE Type:	Semi-Direct

Input Watts (W):	39.7
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:	28.75 FT

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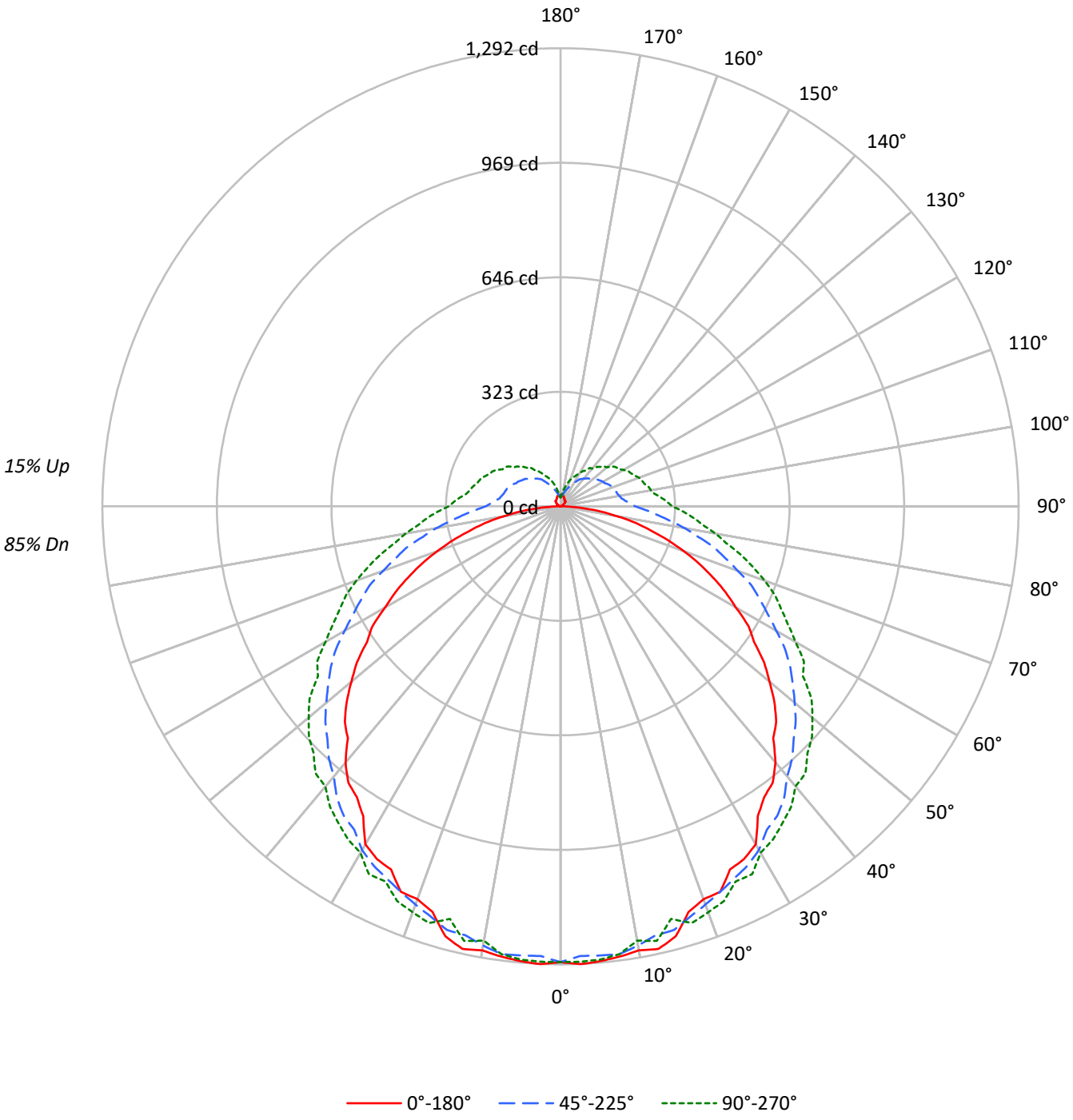
Scaled Data Report

TEST NUMBER: P981644
CATALOG NUMBER: 4PWM-2060C5-850-MEDIUMHIGH

Luminous Intensity Polar Plot



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TEST NUMBER: P981644
CATALOG NUMBER: 4PWM-2060C5-850-MEDIUMHIGH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	0
RCR																		
0	116	116	116	116	111	111	111	111	103	103	103	96	96	96	89	89	89	85
1	103	98	93	88	99	94	90	85	87	83	80	81	78	75	75	72	70	67
2	93	84	77	70	89	81	74	68	75	69	64	69	65	61	64	61	57	54
3	84	73	64	57	81	70	62	56	65	59	53	61	55	50	56	52	48	45
4	77	64	55	48	73	62	54	47	58	50	45	54	47	43	50	45	40	38
5	71	57	48	41	67	55	47	40	51	44	38	48	42	37	45	39	35	32
6	65	51	42	35	62	50	41	35	46	39	33	43	37	32	40	35	30	28
7	60	46	37	31	57	45	36	30	42	35	29	39	33	28	37	31	27	25
8	56	42	33	27	53	41	33	27	38	31	26	36	30	25	34	28	24	22
9	52	39	30	25	50	37	29	24	35	28	23	33	27	22	31	26	21	19
10	49	35	27	22	47	34	27	22	32	26	21	31	24	20	29	23	19	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5041	5041	5041
5°	5048	4913	4940
10°	5020	4824	4739
15°	5030	4746	4576
20°	4833	4624	4650
25°	4781	4552	4512
30°	4844	4504	4449
35°	4631	4430	4428
40°	4636	4306	4343
45°	4543	4236	4346
50°	4434	4181	4331
55°	4250	4128	4175
60°	4123	4008	4154
65°	3973	3925	4109
70°	3730	3821	4119
75°	3367	3757	4061
80°	2891	3606	4081
85°	1989	3528	4309

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
Vertical Angle: 90°
Luminance: 4802 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.1	2.4
10°-20°	349.5	6.8
20°-30°	538.6	10.4
30°-40°	663.9	12.9
40°-50°	716.9	13.9
50°-60°	693.5	13.4
60°-70°	598.5	11.6
70°-80°	447.3	8.7
80°-90°	279.2	5.4
90°-100°	183.7	3.6
100°-110°	155.5	3.0
110°-120°	132.9	2.6
120°-130°	106.3	2.1
130°-140°	78.7	1.5
140°-150°	52.0	1.0
150°-160°	28.9	0.6
160°-170°	12.6	0.2
170°-180°	3.0	0.1
0°-30°	1010.1	19.6
0°-40°	1674.0	32.4
0°-60°	3084.5	59.7
0°-90°	4409.5	85.4
90°-120°	472.1	9.1
90°-150°	709.0	13.7
90°-180°	753.0	14.6
0°-180°	5162.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1286	1286	1286	1286	1286	
5°	1288	1297	1272	1283	1283	122
15°	1256	1239	1237	1246	1205	350
25°	1131	1158	1158	1209	1168	527
35°	1001	1027	1066	1105	1091	633
45°	860	876	930	985	985	661
55°	666	710	791	844	835	601
65°	474	532	620	694	687	468
75°	264	342	449	513	525	281
85°	69	160	273	356	377	76
90°	0	97	210	298	314	4
95°	0	79	183	266	284	1
105°	2	76	162	224	245	3
115°	7	72	148	201	220	6
125°	12	67	130	173	192	11
135°	18	62	111	146	157	15
145°	21	49	92	116	122	13
155°	25	39	65	86	92	11
165°	30	32	42	53	60	8
175°	32	32	30	25	32	3
180°	25	25	25	25	25	

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TEST NUMBER: P981644
CATALOG NUMBER: 4PWM-2060C5-850-MEDIUMHIGH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1285.5	1285.5	1285.5	1285.5	1285.5
2.5°	1292.5	1299.4	1269.4	1285.5	1285.5
5°	1287.9	1297.1	1271.7	1283.2	1283.2
7.5°	1280.9	1269.4	1274.0	1297.1	1274.0
10°	1271.7	1267.1	1257.8	1287.9	1243.9
12.5°	1278.6	1241.6	1239.3	1269.4	1255.5
15°	1255.5	1239.3	1237.0	1246.2	1204.6
17.5°	1200.0	1209.2	1213.9	1232.4	1232.4
20°	1179.2	1197.7	1195.4	1218.5	1218.5
22.5°	1176.9	1174.6	1176.9	1204.6	1204.6
25°	1130.6	1158.4	1158.4	1209.2	1167.6
27.5°	1121.4	1130.6	1142.2	1174.6	1169.9
30°	1100.6	1089.0	1119.1	1146.8	1128.3
32.5°	1035.8	1052.0	1082.1	1128.3	1114.4
35°	1001.2	1026.6	1065.9	1105.2	1091.3
37.5°	982.7	994.2	1035.8	1084.4	1068.2
40°	943.4	952.6	994.2	1042.8	1031.2
42.5°	887.9	920.2	966.5	1015.0	1022.0
45°	860.1	876.3	929.5	985.0	985.0
47.5°	818.5	825.4	899.4	954.9	961.8
50°	769.9	795.4	862.4	920.2	927.2
52.5°	723.7	744.5	825.4	880.9	892.5
55°	665.9	709.8	790.8	843.9	834.7
57.5°	628.9	659.0	751.4	813.9	813.9
60°	571.1	619.7	702.9	769.9	765.3
62.5°	524.9	568.8	659.0	732.9	723.7
65°	474.0	531.8	619.7	693.6	686.7
67.5°	423.1	478.6	582.7	645.1	654.3
70°	369.9	434.7	531.8	601.2	612.7
72.5°	316.8	383.8	487.9	561.8	568.8
75°	263.6	342.2	448.6	513.3	524.9
77.5°	217.3	293.6	397.7	464.7	478.6
80°	164.2	245.1	356.1	430.1	443.9
82.5°	115.6	203.5	309.8	383.8	404.6
85°	69.4	159.5	272.8	356.1	376.9
87.5°	27.7	122.5	240.5	328.3	346.8
90°	0.0	97.1	210.4	298.3	314.5
92.5°	0.0	83.2	196.5	275.1	300.6
95°	0.0	78.6	182.7	265.9	284.4
97.5°	0.0	76.3	173.4	247.4	268.2
100°	2.3	76.3	168.8	235.8	259.0
102.5°	2.3	76.3	164.2	231.2	254.3
105°	2.3	76.3	161.8	224.3	245.1
107.5°	2.3	74.0	159.5	219.7	240.5
110°	4.6	76.3	157.2	215.0	235.8

TEST NUMBER: P981644
CATALOG NUMBER: 4PWM-2060C5-850-MEDIUMHIGH

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.6	*74.0*	152.6	208.1	226.6
115°	6.9	*71.7*	148.0	201.2	219.7
117.5°	6.9	*71.7*	141.0	196.5	215.0
120°	9.2	*69.4*	138.7	187.3	205.8
122.5°	11.6	*71.7*	134.1	180.3	194.2
125°	11.6	*67.1*	129.5	173.4	191.9
127.5°	13.9	*67.1*	127.2	166.5	185.0
130°	16.2	*64.7*	120.2	161.8	171.1
132.5°	18.5	*62.4*	115.6	152.6	166.5
135°	18.5	*62.4*	111.0	145.7	157.2
137.5°	20.8	*57.8*	106.4	138.7	150.3
140°	20.8	*55.5*	101.7	129.5	138.7
142.5°	20.8	*53.2*	97.1	124.9	136.4
145°	20.8	*48.6*	92.5	115.6	122.5
147.5°	20.8	*46.2*	83.2	108.7	117.9
150°	23.1	*43.9*	76.3	101.7	108.7
152.5°	23.1	*41.6*	69.4	92.5	99.4
155°	25.4	*39.3*	64.7	85.5	92.5
157.5°	25.4	*37.0*	55.5	80.9	85.5
160°	27.7	*34.7*	50.9	71.7	78.6
162.5°	30.1	*34.7*	46.2	62.4	69.4
165°	30.1	*32.4*	41.6	53.2	60.1
167.5°	30.1	*32.4*	37.0	43.9	53.2
170°	30.1	*32.4*	32.4	37.0	43.9
172.5°	30.1	*30.1*	32.4	30.1	37.0
175°	32.4	*32.4*	30.1	25.4	32.4
177.5°	32.4	*30.1*	27.7	23.1	25.4
180°	25.4	*25.4*	25.4	25.4	25.4

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Scaled Data Report

TEST NUMBER: P981644
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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	14.9	16.3	15.5	16.9	17.6	17.0	18.4	17.6	19.0	19.6
	3H	16.6	17.9	17.2	18.5	19.2	19.5	20.7	20.0	21.3	22.0
	4H	17.2	18.5	17.8	19.1	19.8	20.6	21.8	21.2	22.4	23.1
	6H	17.6	18.8	18.3	19.4	20.1	21.8	22.9	22.4	23.5	24.2
	8H	17.7	18.8	18.4	19.5	20.2	22.4	23.4	23.0	24.1	24.8
	12H	17.8	18.8	18.4	19.5	20.2	23.0	24.0	23.6	24.7	25.4
4H	2H	15.9	17.1	16.5	17.7	18.4	17.5	18.7	18.1	19.3	20.0
	3H	17.9	18.9	18.5	19.5	20.3	20.2	21.2	20.8	21.9	22.6
	4H	18.6	19.5	19.2	20.2	21.0	21.5	22.5	22.2	23.1	23.9
	6H	19.1	20.0	19.8	20.7	21.4	22.9	23.7	23.5	24.4	25.2
	8H	19.3	20.1	19.9	20.8	21.5	23.6	24.4	24.2	25.0	25.8
	12H	19.4	20.1	20.1	20.8	21.6	24.3	25.0	25.0	25.7	26.5
8H	4H	19.3	20.1	20.0	20.8	21.6	21.8	22.6	22.5	23.3	24.0
	6H	20.0	20.7	20.7	21.4	22.2	23.3	24.0	24.0	24.7	25.5
	8H	20.3	20.9	21.0	21.6	22.4	24.2	24.8	24.9	25.5	26.3
	12H	20.5	21.0	21.2	21.7	22.6	25.1	25.6	25.8	26.3	27.2
12H	4H	19.5	20.2	20.2	20.9	21.7	21.8	22.5	22.5	23.2	24.0
	6H	20.3	20.9	21.0	21.6	22.5	23.4	24.0	24.1	24.7	25.5
	8H	20.7	21.2	21.4	21.9	22.8	24.3	24.8	25.0	25.5	26.4

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP3-2511-615-15

Test Date: 01/15/2026

Luminaire Tested: PW-S-6K-850-2nd

Data in this report applies to families of products including PW-S-6K*

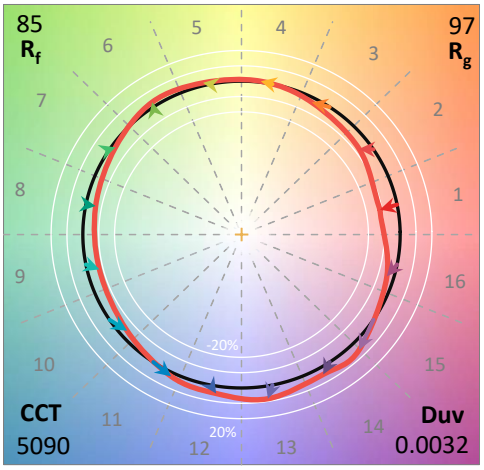
Report Generated By FNC07603 / LDUCLS01DT01661
Version: v7.05

Test Information

Test Method:	LM-79-2019
Report Number:	SP3-2511-615-15
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP3 - 3M SPHERE
Measurement Geometry:	4π
Issue Date:	01/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Metalux
Catalog Number:	**PW-S-6K-850-2nd**
Description:	8.75" Wrap 5 CCT 5 lumen select @6000lms (switch) @5000K 2nd Round

Spectral Parameters

CCT (K):	5090	CRI (Ra):	84.2		
CIE u':	0.2083	R1:	82.7	R9:	12.9
CIE v':	0.4867	R2:	88.6	R10:	73.0
Duv:	0.0032	R3:	92.8	R11:	84.5
CIE x:	0.3431	R4:	84.6	R12:	62.9
CIE y:	0.3563	R5:	83.4	R13:	84.2
CIE z:	0.3006	R6:	84.2	R14:	96.2
Peak Wavelength (nm):	450	R7:	87.9	R15:	77.0
Dominant Wavelength (nm):	568	R8:	69.4		
Purity:	9.863329				
Rf:	84.8				
Rg:	96.7				



Test Conditions

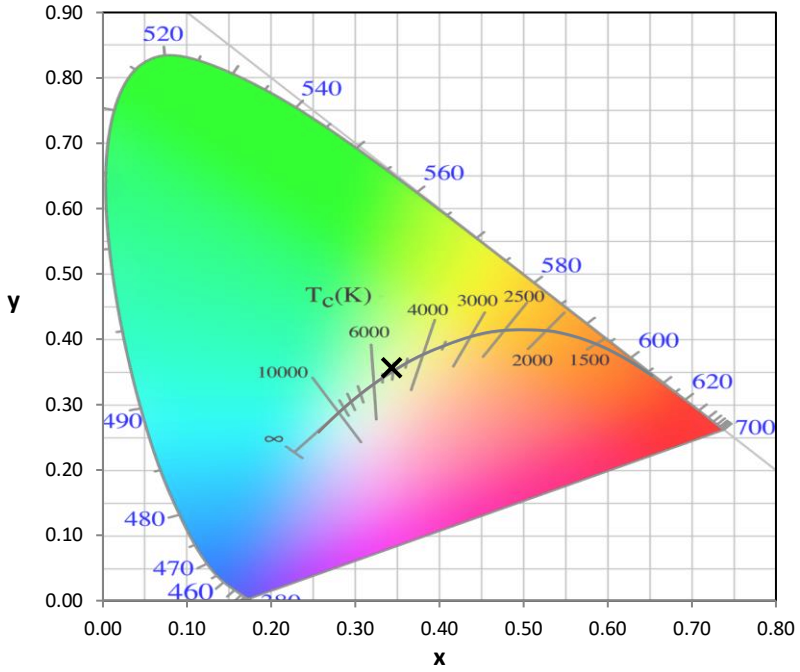
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP3-2511-615-15

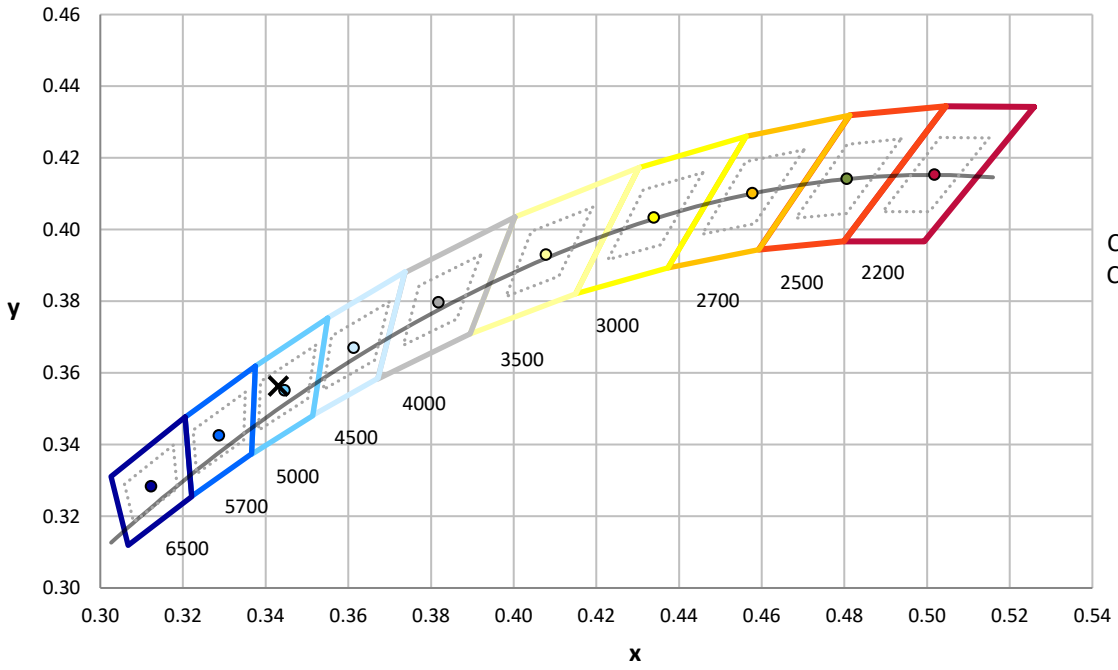
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	1/10/2026	7/10/2026
Power Meter	XITRON INXT2011006	10/21/2025	10/21/2026
AC Power Source	CHROMA 61604 IN6064A	10/20/2025	10/20/2026
DC Power Source	EYSIGHT N5770A IN0534	10/20/2025	10/20/2026
Sphere Thermometer	TANDD IN4036E	10/21/2025	10/21/2026

REPORT NUMBER: SP3-2511-615-15

CIE 1931 Chromaticity Diagram



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

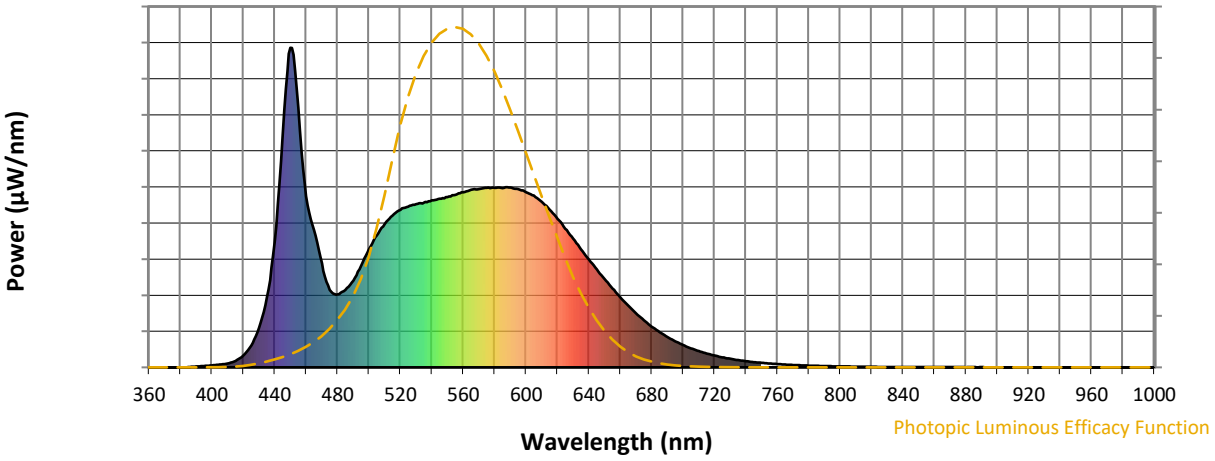


CCT = 5090K
CIE x = 0.3431
CIE y = 0.3563
Duv = 0.0032

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP3-2511-615-15

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	272	NR	620	465	NR	750	14	NR	880	1	NR
365	0	NR	495	317	NR	625	434	NR	755	12	NR	885	1	NR
370	0	NR	500	371	NR	630	402	NR	760	10	NR	890	1	NR
375	0	NR	505	412	NR	635	370	NR	765	9	NR	895	0	NR
380	0	NR	510	448	NR	640	338	NR	770	7	NR	900	0	NR
385	1	NR	515	474	NR	645	306	NR	775	6	NR	905	0	NR
390	3	NR	520	493	NR	650	277	NR	780	5	NR	910	0	NR
395	4	NR	525	503	NR	655	247	NR	785	5	NR	915	0	NR
400	6	NR	530	510	NR	660	219	NR	790	4	NR	920	0	NR
405	9	NR	535	515	NR	665	193	NR	795	3	NR	925	0	NR
410	12	NR	540	523	NR	670	169	NR	800	3	NR	930	0	NR
415	20	NR	545	527	NR	675	148	NR	805	3	NR	935	0	NR
420	37	NR	550	532	NR	680	128	NR	810	2	NR	940	0	NR
425	68	NR	555	540	NR	685	110	NR	815	2	NR	945	0	NR
430	123	NR	560	548	NR	690	95	NR	820	2	NR	950	0	NR
435	220	NR	565	555	NR	695	82	NR	825	1	NR	955	0	NR
440	391	NR	570	558	NR	700	70	NR	830	1	NR	960	0	NR
445	726	NR	575	561	NR	705	59	NR	835	1	NR	965	0	NR
450	1000	NR	580	562	NR	710	51	NR	840	1	NR	970	0	NR
455	812	NR	585	561	NR	715	43	NR	845	1	NR	975	0	NR
460	536	NR	590	563	NR	720	37	NR	850	1	NR	980	0	NR
465	429	NR	595	558	NR	725	32	NR	855	1	NR	985	0	NR
470	325	NR	600	548	NR	730	27	NR	860	1	NR	990	0	NR
475	242	NR	605	538	NR	735	23	NR	865	1	NR	995	0	NR
480	228	NR	610	518	NR	740	19	NR	870	1	NR	1000	0	NR
485	242	NR	615	494	NR	745	16	NR	875	1	NR			

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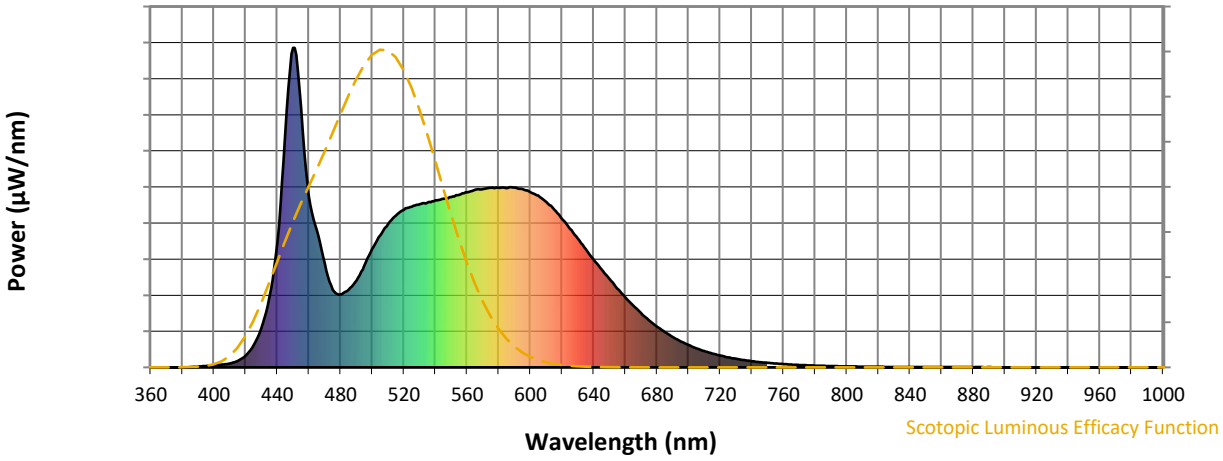
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.99**

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	272	NR	620	465	NR	750	14	NR	880	1	NR
365	0	NR	495	317	NR	625	434	NR	755	12	NR	885	1	NR
370	0	NR	500	371	NR	630	402	NR	760	10	NR	890	1	NR
375	0	NR	505	412	NR	635	370	NR	765	9	NR	895	0	NR
380	0	NR	510	448	NR	640	338	NR	770	7	NR	900	0	NR
385	1	NR	515	474	NR	645	306	NR	775	6	NR	905	0	NR
390	3	NR	520	493	NR	650	277	NR	780	5	NR	910	0	NR
395	4	NR	525	503	NR	655	247	NR	785	5	NR	915	0	NR
400	6	NR	530	510	NR	660	219	NR	790	4	NR	920	0	NR
405	9	NR	535	515	NR	665	193	NR	795	3	NR	925	0	NR
410	12	NR	540	523	NR	670	169	NR	800	3	NR	930	0	NR
415	20	NR	545	527	NR	675	148	NR	805	3	NR	935	0	NR
420	37	NR	550	532	NR	680	128	NR	810	2	NR	940	0	NR
425	68	NR	555	540	NR	685	110	NR	815	2	NR	945	0	NR
430	123	NR	560	548	NR	690	95	NR	820	2	NR	950	0	NR
435	220	NR	565	555	NR	695	82	NR	825	1	NR	955	0	NR
440	391	NR	570	558	NR	700	70	NR	830	1	NR	960	0	NR
445	726	NR	575	561	NR	705	59	NR	835	1	NR	965	0	NR
450	1000	NR	580	562	NR	710	51	NR	840	1	NR	970	0	NR
455	812	NR	585	561	NR	715	43	NR	845	1	NR	975	0	NR
460	536	NR	590	563	NR	720	37	NR	850	1	NR	980	0	NR
465	429	NR	595	558	NR	725	32	NR	855	1	NR	985	0	NR
470	325	NR	600	548	NR	730	27	NR	860	1	NR	990	0	NR
475	242	NR	605	538	NR	735	23	NR	865	1	NR	995	0	NR
480	228	NR	610	518	NR	740	19	NR	870	1	NR	1000	0	NR
485	242	NR	615	494	NR	745	16	NR	875	1	NR			

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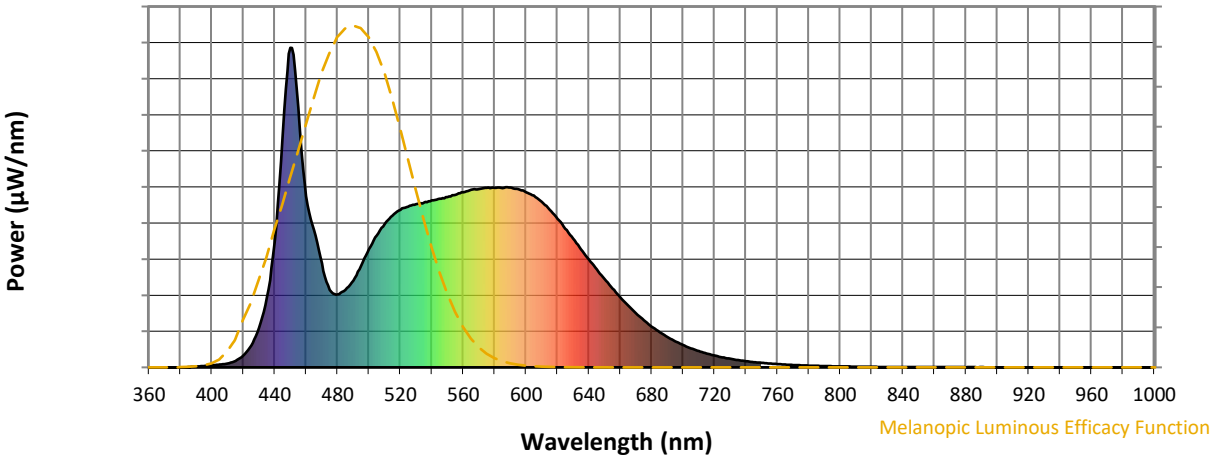
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 4.23**

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	272	NR	620	465	NR	750	14	NR	880	1	NR
365	0	NR	495	317	NR	625	434	NR	755	12	NR	885	1	NR
370	0	NR	500	371	NR	630	402	NR	760	10	NR	890	1	NR
375	0	NR	505	412	NR	635	370	NR	765	9	NR	895	0	NR
380	0	NR	510	448	NR	640	338	NR	770	7	NR	900	0	NR
385	1	NR	515	474	NR	645	306	NR	775	6	NR	905	0	NR
390	3	NR	520	493	NR	650	277	NR	780	5	NR	910	0	NR
395	4	NR	525	503	NR	655	247	NR	785	5	NR	915	0	NR
400	6	NR	530	510	NR	660	219	NR	790	4	NR	920	0	NR
405	9	NR	535	515	NR	665	193	NR	795	3	NR	925	0	NR
410	12	NR	540	523	NR	670	169	NR	800	3	NR	930	0	NR
415	20	NR	545	527	NR	675	148	NR	805	3	NR	935	0	NR
420	37	NR	550	532	NR	680	128	NR	810	2	NR	940	0	NR
425	68	NR	555	540	NR	685	110	NR	815	2	NR	945	0	NR
430	123	NR	560	548	NR	690	95	NR	820	2	NR	950	0	NR
435	220	NR	565	555	NR	695	82	NR	825	1	NR	955	0	NR
440	391	NR	570	558	NR	700	70	NR	830	1	NR	960	0	NR
445	726	NR	575	561	NR	705	59	NR	835	1	NR	965	0	NR
450	1000	NR	580	562	NR	710	51	NR	840	1	NR	970	0	NR
455	812	NR	585	561	NR	715	43	NR	845	1	NR	975	0	NR
460	536	NR	590	563	NR	720	37	NR	850	1	NR	980	0	NR
465	429	NR	595	558	NR	725	32	NR	855	1	NR	985	0	NR
470	325	NR	600	548	NR	730	27	NR	860	1	NR	990	0	NR
475	242	NR	605	538	NR	735	23	NR	865	1	NR	995	0	NR
480	228	NR	610	518	NR	740	19	NR	870	1	NR	1000	0	NR
485	242	NR	615	494	NR	745	16	NR	875	1	NR			

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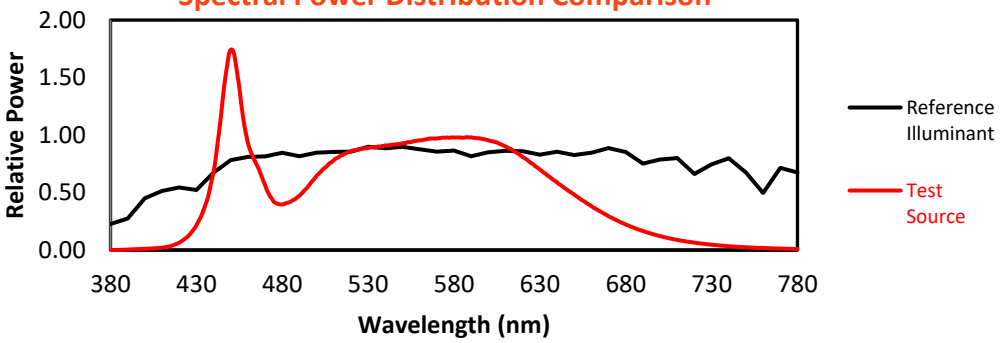
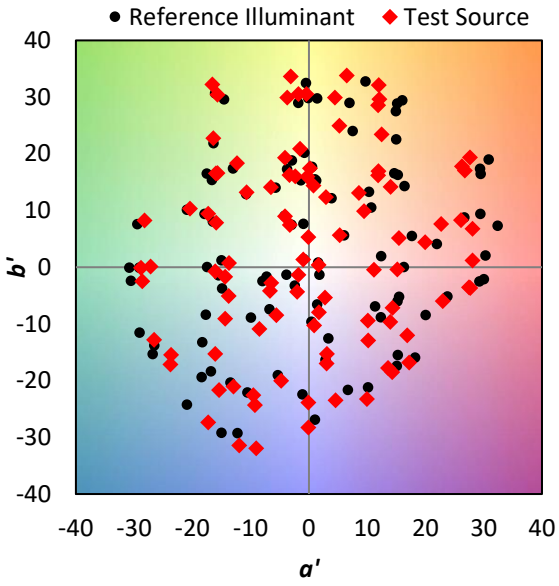
Summary

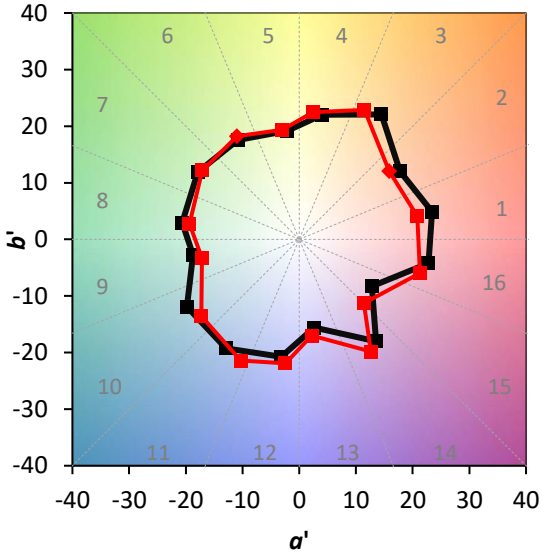
R_f = 84.8
R_g = 96.7
CIE R_a = 84.2
R_9 = 12.9

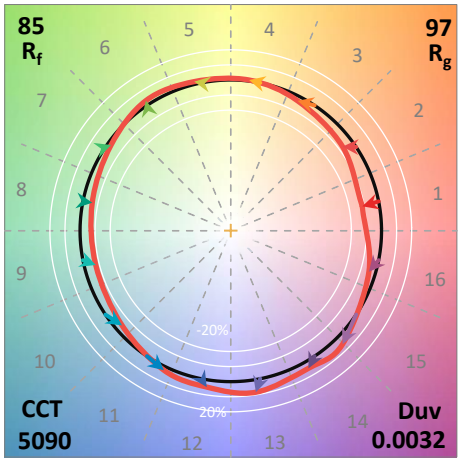
Spectral Power Distribution Comparison

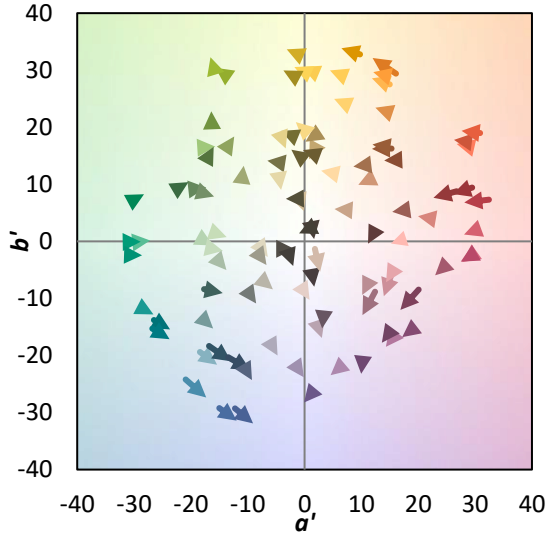


Color Vector Graphics









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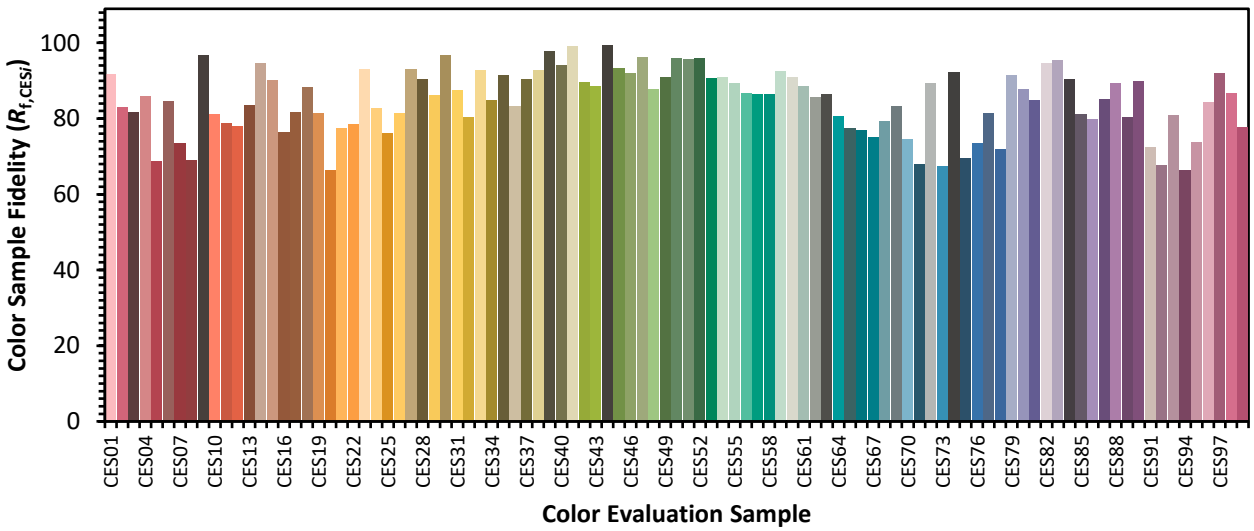
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 81	CES51 = 96	CES76 = 74
CES02 = 60	CES27 = 93	CES52 = 96	CES77 = 81
CES03 = 30	CES28 = 90	CES53 = 91	CES78 = 72
CES04 = 69	CES29 = 86	CES54 = 91	CES79 = 91
CES05 = 47	CES30 = 97	CES55 = 89	CES80 = 88
CES06 = 50	CES31 = 88	CES56 = 87	CES81 = 85
CES07 = 40	CES32 = 80	CES57 = 86	CES82 = 95
CES08 = 39	CES33 = 93	CES58 = 87	CES83 = 95
CES09 = 29	CES34 = 85	CES59 = 93	CES84 = 90
CES10 = 73	CES35 = 91	CES60 = 91	CES85 = 81
CES11 = 56	CES36 = 83	CES61 = 89	CES86 = 80
CES12 = 61	CES37 = 90	CES62 = 86	CES87 = 85
CES13 = 42	CES38 = 93	CES63 = 86	CES88 = 89
CES14 = 74	CES39 = 98	CES64 = 81	CES89 = 80
CES15 = 71	CES40 = 94	CES65 = 77	CES90 = 90
CES16 = 46	CES41 = 99	CES66 = 77	CES91 = 72
CES17 = 48	CES42 = 90	CES67 = 75	CES92 = 68
CES18 = 55	CES43 = 88	CES68 = 79	CES93 = 81
CES19 = 70	CES44 = 99	CES69 = 83	CES94 = 66
CES20 = 64	CES45 = 93	CES70 = 75	CES95 = 74
CES21 = 85	CES46 = 92	CES71 = 68	CES96 = 84
CES22 = 77	CES47 = 96	CES72 = 89	CES97 = 92
CES23 = 91	CES48 = 88	CES73 = 67	CES98 = 87
CES24 = 90	CES49 = 91	CES74 = 92	CES99 = 78
CES25 = 70	CES50 = 96	CES75 = 70	



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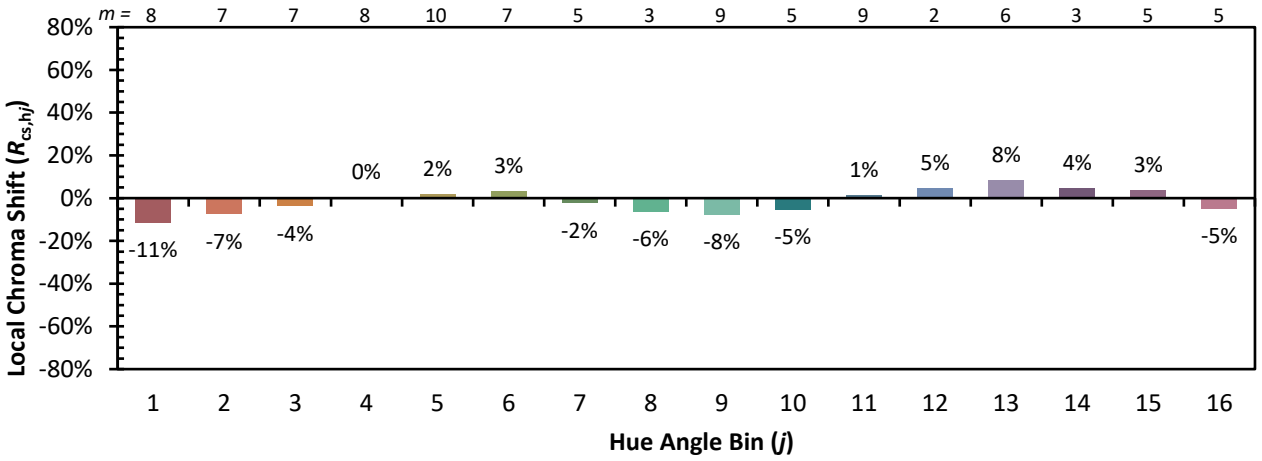
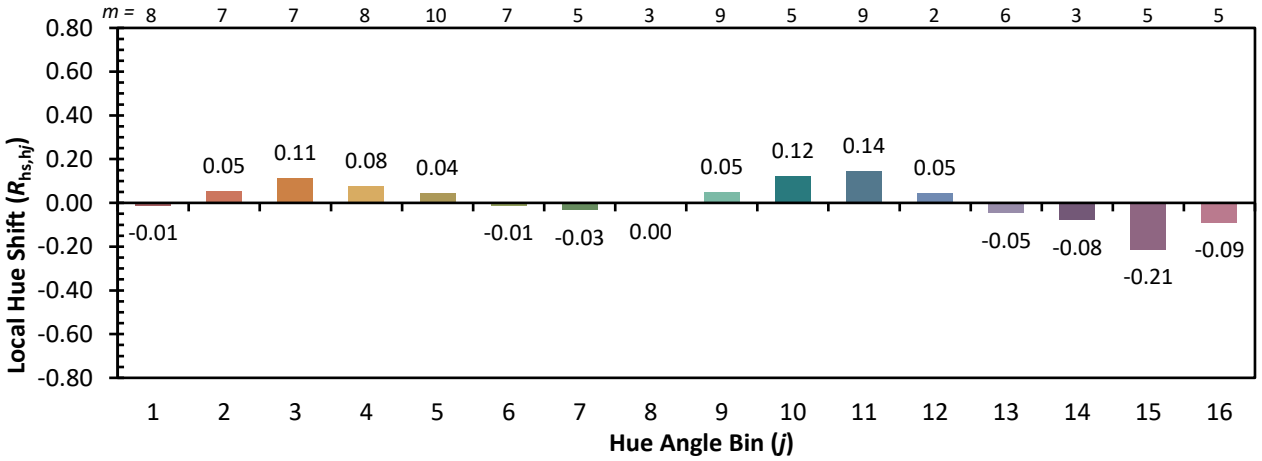
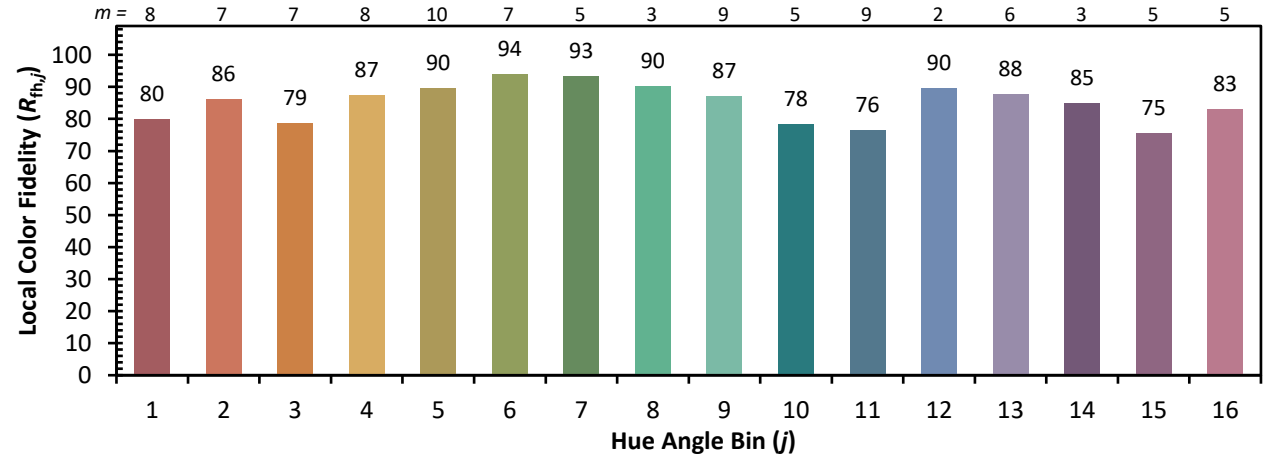
Color Rendition by Hue-Angle Bin







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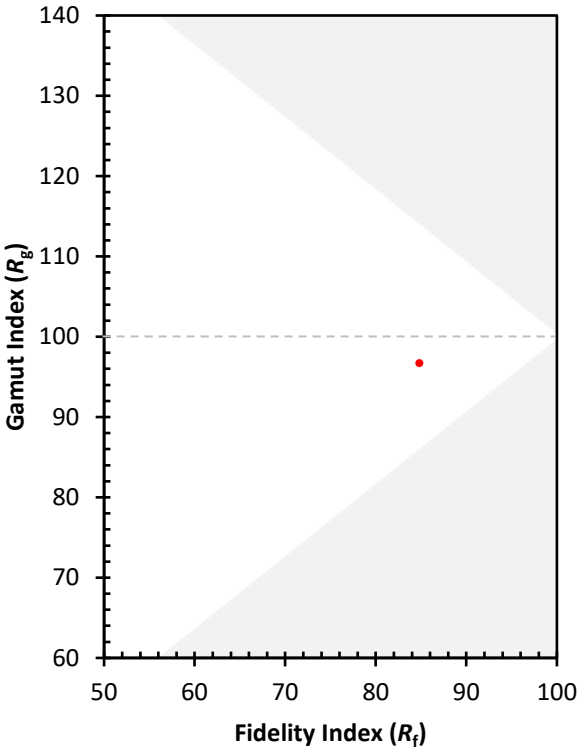
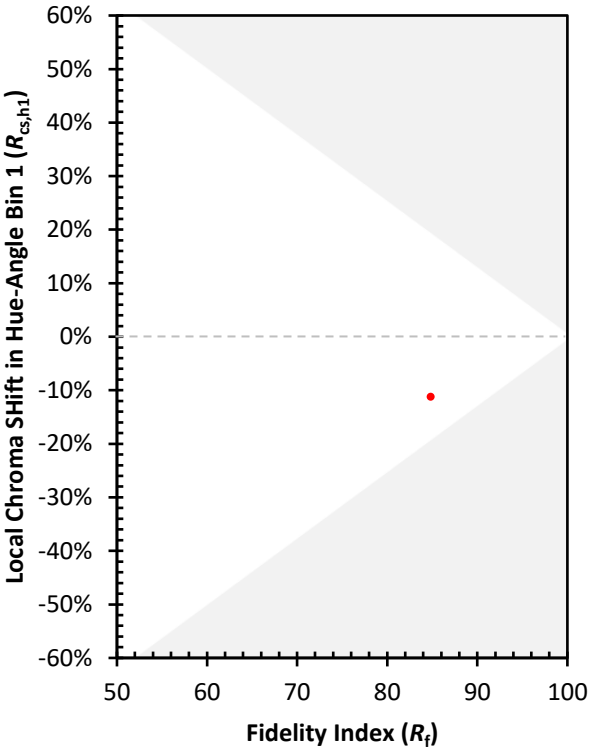
Measure Comparisons





(END OF REPORT)