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: P981636

Luminaire Tested: 4PWM-2060C5-835-MEDIUM

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:	P981636
Test Lab:	INNOVATION CENTER(P3)
Issue Date:	01/28/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	METALUX
Catalog Number:	4PWM-2060C5-835-MEDIUM
Description:	METALUX 8.75 INCH PROWRAP 80CRI 3500K FIXTURE MEDIUM OUTPUT SETTING
Light Source:	3500K CCT, 80+ CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4277.8 lumens
Efficiency:	N/A
Efficacy:	133.7 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):	32
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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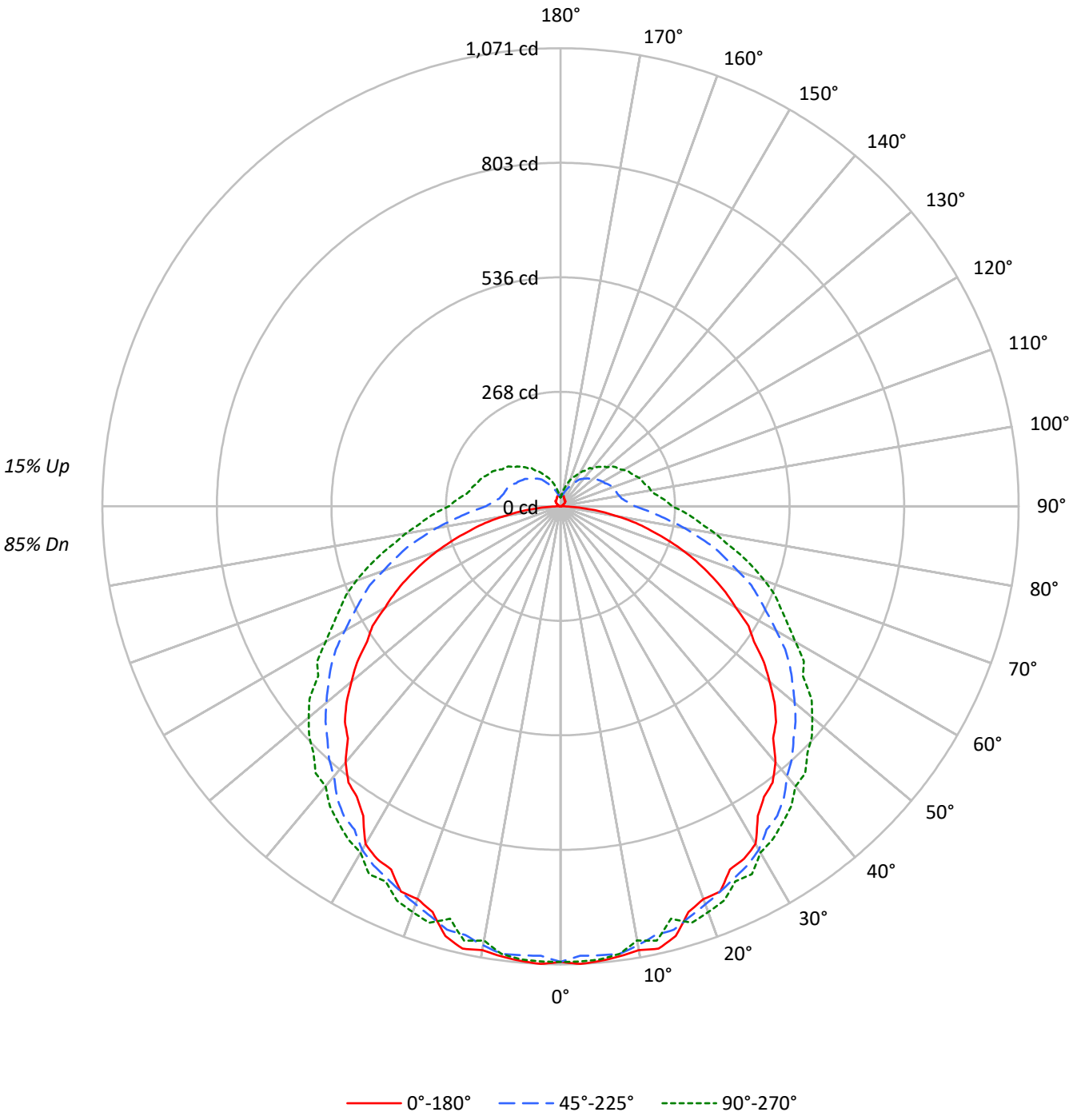
TEST NUMBER: P981636
CATALOG NUMBER: 4PWM-2060C5-835-MEDIUM

Luminous Intensity Polar Plot



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TEST NUMBER: P981636
CATALOG NUMBER: 4PWM-2060C5-835-MEDIUM

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°	4177	4177	4177
5°	4182	4071	4094
10°	4159	3997	3926
15°	4168	3933	3791
20°	4005	3831	3853
25°	3961	3772	3739
30°	4014	3732	3687
35°	3837	3671	3669
40°	3840	3568	3599
45°	3765	3510	3601
50°	3674	3464	3588
55°	3522	3420	3459
60°	3416	3320	3442
65°	3292	3252	3405
70°	3091	3166	3413
75°	2790	3113	3364
80°	2394	2987	3381
85°	1648	2924	3570

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
Vertical Angle: 90°
Luminance: 3977 cd/sqm

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TEST NUMBER: P981636
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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.2	2.4
10°-20°	289.6	6.8
20°-30°	446.2	10.4
30°-40°	550.1	12.9
40°-50°	594.0	13.9
50°-60°	574.6	13.4
60°-70°	495.9	11.6
70°-80°	370.6	8.7
80°-90°	231.3	5.4
90°-100°	152.2	3.6
100°-110°	128.8	3.0
110°-120°	110.1	2.6
120°-130°	88.0	2.1
130°-140°	65.2	1.5
140°-150°	43.0	1.0
150°-160°	24.0	0.6
160°-170°	10.4	0.2
170°-180°	2.5	0.1
0°-30°	837.0	19.6
0°-40°	1387.1	32.4
0°-60°	2555.7	59.7
0°-90°	3653.6	85.4
90°-120°	391.1	9.1
90°-150°	587.4	13.7
90°-180°	624.0	14.6
0°-180°	4277.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1065	1065	1065	1065	1065	
5°	1067	1075	1054	1063	1063	101
15°	1040	1027	1025	1033	998	290
25°	937	960	960	1002	968	437
35°	830	851	883	916	904	525
45°	713	726	770	816	816	548
55°	552	588	655	699	692	498
65°	393	441	513	575	569	388
75°	218	284	372	425	435	233
85°	58	132	226	295	312	63
90°	0	80	174	247	260	3
95°	0	65	151	220	236	1
105°	2	63	134	186	203	2
115°	6	59	123	167	182	5
125°	10	56	107	144	159	9
135°	15	52	92	121	130	12
145°	17	40	77	96	102	11
155°	21	33	54	71	77	9
165°	25	27	34	44	50	7
175°	27	27	25	21	27	2
180°	21	21	21	21	21	

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TEST NUMBER: P981636
CATALOG NUMBER: 4PWM-2060C5-835-MEDIUM

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1065.2	1065.2	1065.2	1065.2	1065.2
2.5°	1070.9	1076.7	1051.8	1065.2	1065.2
5°	1067.1	1074.8	1053.7	1063.3	1063.3
7.5°	1061.4	1051.8	1055.6	1074.8	1055.6
10°	1053.7	1049.9	1042.2	1067.1	1030.7
12.5°	1059.4	1028.8	1026.9	1051.8	1040.3
15°	1040.3	1026.9	1025.0	1032.6	998.1
17.5°	994.3	1002.0	1005.8	1021.1	1021.1
20°	977.1	992.4	990.5	1009.6	1009.6
22.5°	975.1	973.2	975.1	998.1	998.1
25°	936.8	959.8	959.8	1002.0	967.5
27.5°	929.2	936.8	946.4	973.2	969.4
30°	911.9	902.3	927.3	950.2	934.9
32.5°	858.3	871.7	896.6	934.9	923.4
35°	829.5	850.6	883.2	915.8	904.3
37.5°	814.2	823.8	858.3	898.5	885.1
40°	781.6	789.3	823.8	864.0	854.5
42.5°	735.7	762.5	800.8	841.0	846.8
45°	712.7	726.1	770.2	816.1	816.1
47.5°	678.2	683.9	745.2	791.2	797.0
50°	638.0	659.0	714.6	762.5	768.2
52.5°	599.6	616.9	683.9	729.9	739.5
55°	551.8	588.2	655.2	699.3	691.6
57.5°	521.1	546.0	622.6	674.4	674.4
60°	473.2	513.4	582.4	638.0	634.1
62.5°	434.9	471.3	546.0	607.3	599.6
65°	392.7	440.6	513.4	574.7	569.0
67.5°	350.6	396.6	482.8	534.5	542.2
70°	306.5	360.2	440.6	498.1	507.7
72.5°	262.5	318.0	404.2	465.5	471.3
75°	218.4	283.5	371.7	425.3	434.9
77.5°	180.1	243.3	329.5	385.1	396.6
80°	136.0	203.1	295.0	356.3	367.8
82.5°	95.8	168.6	256.7	318.0	335.3
85°	57.5	132.2	226.1	295.0	312.3
87.5°	23.0	101.5	199.2	272.0	287.4
90°	0.0	80.5	174.3	247.1	260.5
92.5°	0.0	69.0	162.8	228.0	249.1
95°	0.0	65.1	151.3	220.3	235.6
97.5°	0.0	63.2	143.7	205.0	222.2
100°	1.9	63.2	139.9	195.4	214.6
102.5°	1.9	63.2	136.0	191.6	210.7
105°	1.9	63.2	134.1	185.8	203.1
107.5°	1.9	61.3	132.2	182.0	199.2
110°	3.8	63.2	130.3	178.2	195.4

TEST NUMBER: P981636
CATALOG NUMBER: 4PWM-2060C5-835-MEDIUM

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.8	*61.3*	126.4	172.4	187.7
115°	5.7	*59.4*	122.6	166.7	182.0
117.5°	5.7	*59.4*	116.9	162.8	178.2
120°	7.7	*57.5*	114.9	155.2	170.5
122.5°	9.6	*59.4*	111.1	149.4	160.9
125°	9.6	*55.6*	107.3	143.7	159.0
127.5°	11.5	*55.6*	105.4	137.9	153.3
130°	13.4	*53.6*	99.6	134.1	141.8
132.5°	15.3	*51.7*	95.8	126.4	137.9
135°	15.3	*51.7*	92.0	120.7	130.3
137.5°	17.2	*47.9*	88.1	114.9	124.5
140°	17.2	*46.0*	84.3	107.3	114.9
142.5°	17.2	*44.1*	80.5	103.5	113.0
145°	17.2	*40.2*	76.6	95.8	101.5
147.5°	17.2	*38.3*	69.0	90.0	97.7
150°	19.2	*36.4*	63.2	84.3	90.0
152.5°	19.2	*34.5*	57.5	76.6	82.4
155°	21.1	*32.6*	53.6	70.9	76.6
157.5°	21.1	*30.7*	46.0	67.1	70.9
160°	23.0	*28.7*	42.1	59.4	65.1
162.5°	24.9	*28.7*	38.3	51.7	57.5
165°	24.9	*26.8*	34.5	44.1	49.8
167.5°	24.9	*26.8*	30.7	36.4	44.1
170°	24.9	*26.8*	26.8	30.7	36.4
172.5°	24.9	*24.9*	26.8	24.9	30.7
175°	26.8	*26.8*	24.9	21.1	26.8
177.5°	26.8	*24.9*	23.0	19.2	21.1
180°	21.1	*21.1*	21.1	21.1	21.1

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TEST NUMBER: P981636
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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	14.3	15.7	14.8	16.3	16.9	16.3	17.8	16.9	18.3	19.0
	3H	16.0	17.3	16.6	17.9	18.5	18.8	20.1	19.4	20.7	21.4
	4H	16.6	17.8	17.2	18.4	19.1	20.0	21.2	20.6	21.8	22.5
	6H	17.0	18.1	17.6	18.7	19.5	21.1	22.3	21.7	22.9	23.6
	8H	17.1	18.2	17.7	18.8	19.5	21.7	22.8	22.3	23.4	24.1
	12H	17.1	18.2	17.8	18.8	19.6	22.3	23.4	23.0	24.0	24.8
4H	2H	15.2	16.5	15.9	17.1	17.8	16.8	18.1	17.4	18.7	19.4
	3H	17.2	18.2	17.8	18.9	19.6	19.5	20.6	20.2	21.2	21.9
	4H	17.9	18.9	18.6	19.5	20.3	20.9	21.8	21.5	22.5	23.2
	6H	18.5	19.3	19.1	20.0	20.8	22.2	23.1	22.9	23.7	24.5
	8H	18.6	19.4	19.3	20.1	20.9	22.9	23.7	23.6	24.4	25.1
	12H	18.7	19.4	19.4	20.1	20.9	23.7	24.4	24.3	25.1	25.9
8H	4H	18.7	19.5	19.3	20.1	20.9	21.1	21.9	21.8	22.6	23.4
	6H	19.4	20.1	20.1	20.8	21.6	22.7	23.3	23.4	24.1	24.8
	8H	19.7	20.3	20.4	21.0	21.8	23.5	24.1	24.2	24.8	25.6
	12H	19.8	20.4	20.5	21.1	21.9	24.4	25.0	25.1	25.7	26.5
12H	4H	18.8	19.6	19.5	20.3	21.0	21.2	21.9	21.8	22.6	23.4
	6H	19.7	20.3	20.4	21.0	21.8	22.7	23.3	23.4	24.0	24.9
	8H	20.0	20.6	20.7	21.3	22.1	23.6	24.2	24.3	24.9	25.7

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1121 Highway 74 South
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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: SP3-2511-615-12

Test Date: 01/15/2026

Luminaire Tested: PW-S-6K-835-2nd

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

Report Generated By FNC07603 / LDUCLS01DT01661
Version: v7.05

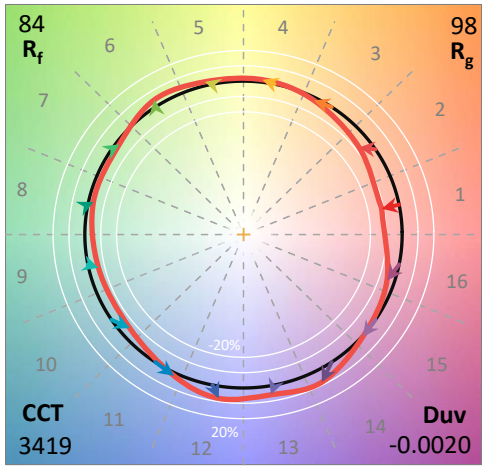
Test Information

Test Method:	LM-79-2019
Report Number:	SP3-2511-615-12
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-835-2nd**
Description:	8.75" Wrap 5 CCT 5 lumen select @6000lms (switch) @3500K 2nd Round

Spectral Parameters

CCT (K):	3419	CRI (Ra):	83.9		
CIE u':	0.2387	R1:	82.9	R9:	13.5
CIE v':	0.5103	R2:	90.6	R10:	77.6
Duv:	-0.0020	R3:	95.8	R11:	82.2
CIE x:	0.4078	R4:	82.7	R12:	66.7
CIE y:	0.3875	R5:	82.8	R13:	84.8
CIE z:	0.2048	R6:	87.3	R14:	97.8
Peak Wavelength (nm):	605	R7:	84.9	R15:	76.7
Dominant Wavelength (nm):	582	R8:	63.9		
Purity:	38.67285				

Rf:	84.4
Rg:	97.5



Test Conditions

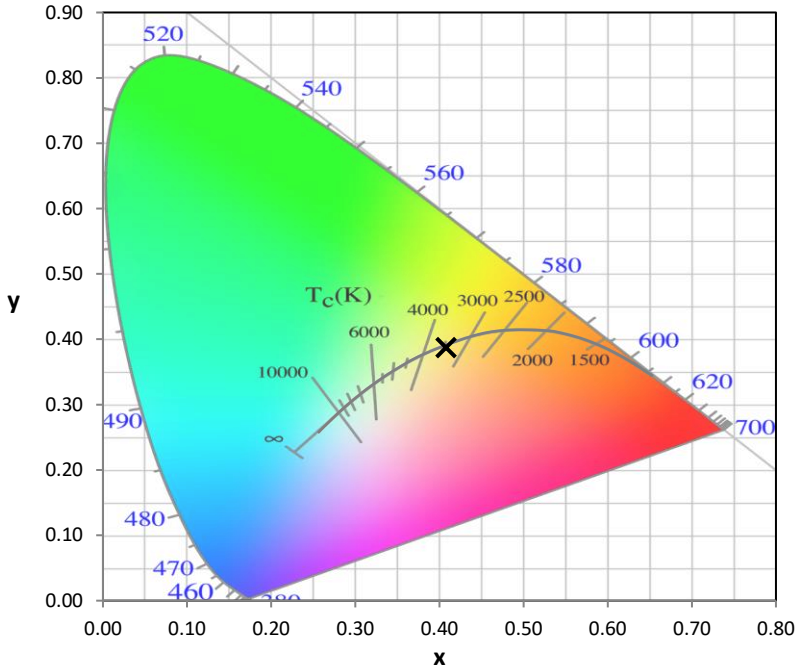
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP3-2511-615-12

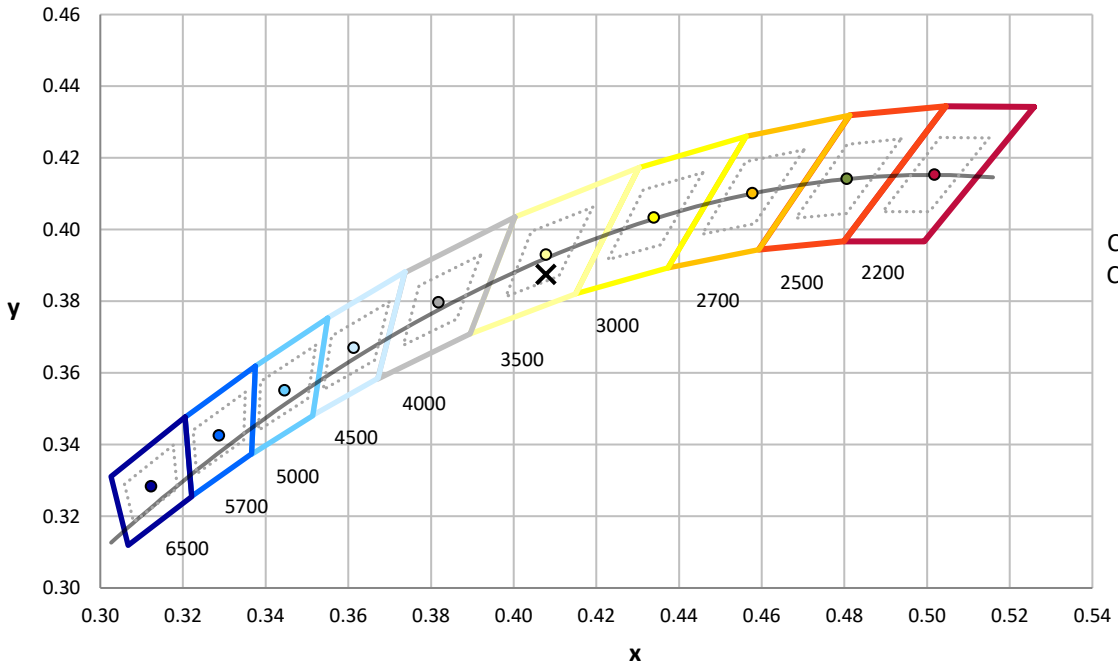
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	1/10/2026	7/10/2026
Power Meter	XITRON INXT2011006	10/21/2025	10/21/2026
AC Power Source	CHROMA 61604 IN6064A	10/20/2025	10/20/2026
DC Power Source	EYSIGHT N5770A IN0534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

REPORT NUMBER: SP3-2511-615-12

CIE 1931 Chromaticity Diagram



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

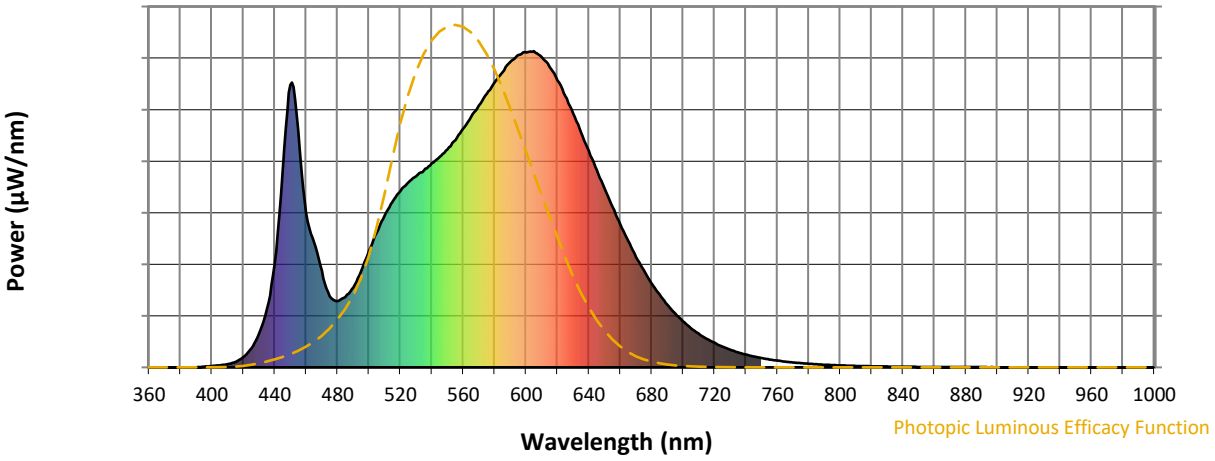


CCT = 3419K
CIE x = 0.4078
CIE y = 0.3875
Duv = -0.0020

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP3-2511-615-12

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	253	NR	620	907	NR	750	29	NR	880	1	NR
365	0	NR	495	303	NR	625	858	NR	755	25	NR	885	1	NR
370	0	NR	500	370	NR	630	803	NR	760	21	NR	890	1	NR
375	0	NR	505	426	NR	635	743	NR	765	18	NR	895	1	NR
380	0	NR	510	480	NR	640	684	NR	770	15	NR	900	0	NR
385	0	NR	515	523	NR	645	623	NR	775	13	NR	905	0	NR
390	0	NR	520	558	NR	650	566	NR	780	11	NR	910	0	NR
395	3	NR	525	584	NR	655	507	NR	785	10	NR	915	0	NR
400	4	NR	530	604	NR	660	452	NR	790	8	NR	920	0	NR
405	7	NR	535	624	NR	665	400	NR	795	7	NR	925	0	NR
410	10	NR	540	646	NR	670	350	NR	800	6	NR	930	0	NR
415	17	NR	545	666	NR	675	306	NR	805	5	NR	935	0	NR
420	32	NR	550	690	NR	680	265	NR	810	5	NR	940	0	NR
425	59	NR	555	719	NR	685	230	NR	815	4	NR	945	0	NR
430	106	NR	560	754	NR	690	198	NR	820	3	NR	950	0	NR
435	185	NR	565	792	NR	695	170	NR	825	3	NR	955	0	NR
440	327	NR	570	828	NR	700	145	NR	830	3	NR	960	0	NR
445	620	NR	575	866	NR	705	124	NR	835	2	NR	965	0	NR
450	893	NR	580	900	NR	710	106	NR	840	2	NR	970	0	NR
455	745	NR	585	933	NR	715	90	NR	845	2	NR	975	0	NR
460	489	NR	590	966	NR	720	78	NR	850	2	NR	980	0	NR
465	396	NR	595	988	NR	725	66	NR	855	1	NR	985	0	NR
470	304	NR	600	996	NR	730	56	NR	860	1	NR	990	0	NR
475	225	NR	605	1000	NR	735	48	NR	865	1	NR	995	0	NR
480	210	NR	610	981	NR	740	40	NR	870	1	NR	1000	0	NR
485	223	NR	615	950	NR	745	34	NR	875	1	NR			

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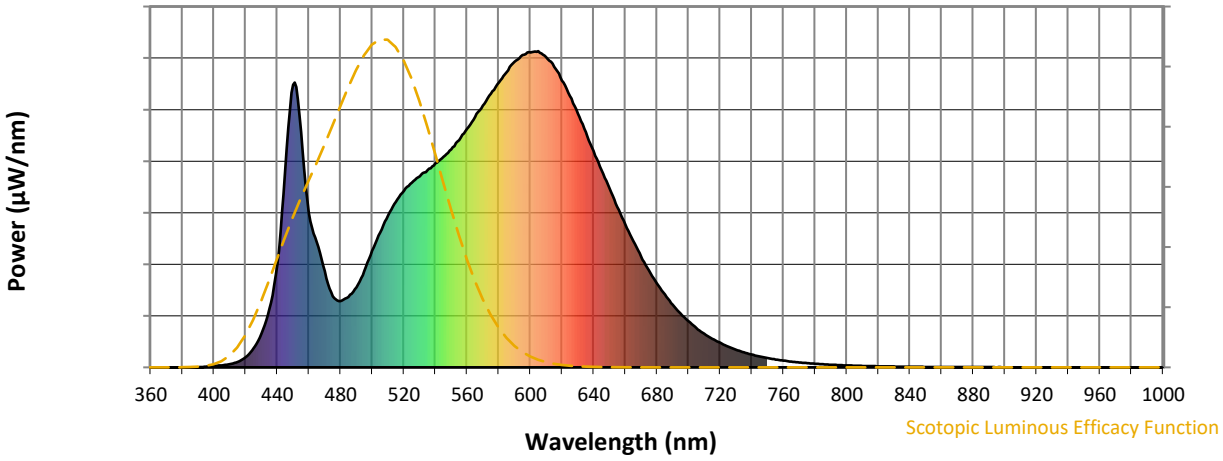
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.5**

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	253	NR	620	907	NR	750	29	NR	880	1	NR
365	0	NR	495	303	NR	625	858	NR	755	25	NR	885	1	NR
370	0	NR	500	370	NR	630	803	NR	760	21	NR	890	1	NR
375	0	NR	505	426	NR	635	743	NR	765	18	NR	895	1	NR
380	0	NR	510	480	NR	640	684	NR	770	15	NR	900	0	NR
385	0	NR	515	523	NR	645	623	NR	775	13	NR	905	0	NR
390	0	NR	520	558	NR	650	566	NR	780	11	NR	910	0	NR
395	3	NR	525	584	NR	655	507	NR	785	10	NR	915	0	NR
400	4	NR	530	604	NR	660	452	NR	790	8	NR	920	0	NR
405	7	NR	535	624	NR	665	400	NR	795	7	NR	925	0	NR
410	10	NR	540	646	NR	670	350	NR	800	6	NR	930	0	NR
415	17	NR	545	666	NR	675	306	NR	805	5	NR	935	0	NR
420	32	NR	550	690	NR	680	265	NR	810	5	NR	940	0	NR
425	59	NR	555	719	NR	685	230	NR	815	4	NR	945	0	NR
430	106	NR	560	754	NR	690	198	NR	820	3	NR	950	0	NR
435	185	NR	565	792	NR	695	170	NR	825	3	NR	955	0	NR
440	327	NR	570	828	NR	700	145	NR	830	3	NR	960	0	NR
445	620	NR	575	866	NR	705	124	NR	835	2	NR	965	0	NR
450	893	NR	580	900	NR	710	106	NR	840	2	NR	970	0	NR
455	745	NR	585	933	NR	715	90	NR	845	2	NR	975	0	NR
460	489	NR	590	966	NR	720	78	NR	850	2	NR	980	0	NR
465	396	NR	595	988	NR	725	66	NR	855	1	NR	985	0	NR
470	304	NR	600	996	NR	730	56	NR	860	1	NR	990	0	NR
475	225	NR	605	1000	NR	735	48	NR	865	1	NR	995	0	NR
480	210	NR	610	981	NR	740	40	NR	870	1	NR	1000	0	NR
485	223	NR	615	950	NR	745	34	NR	875	1	NR			

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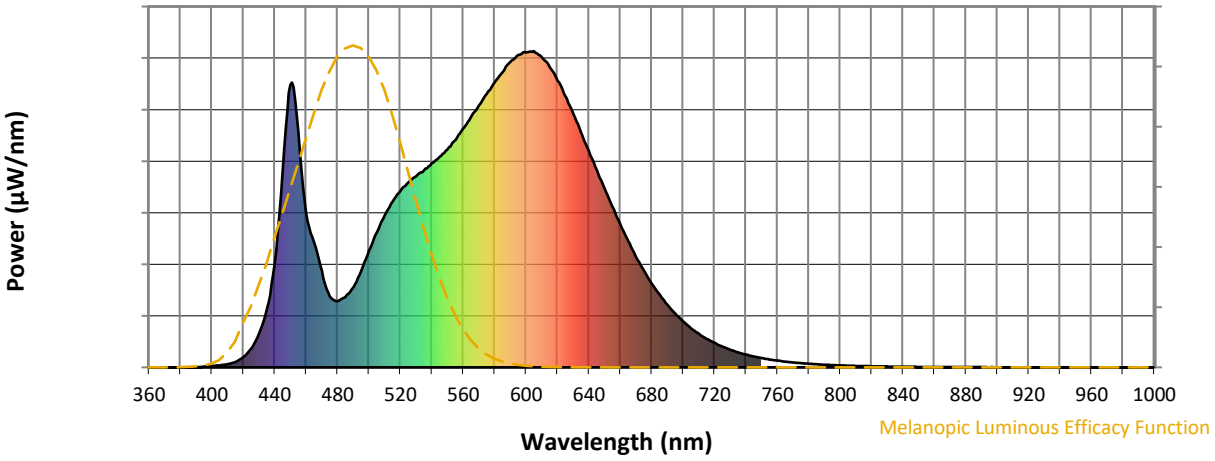
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.99**

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	253	NR	620	907	NR	750	29	NR	880	1	NR
365	0	NR	495	303	NR	625	858	NR	755	25	NR	885	1	NR
370	0	NR	500	370	NR	630	803	NR	760	21	NR	890	1	NR
375	0	NR	505	426	NR	635	743	NR	765	18	NR	895	1	NR
380	0	NR	510	480	NR	640	684	NR	770	15	NR	900	0	NR
385	0	NR	515	523	NR	645	623	NR	775	13	NR	905	0	NR
390	0	NR	520	558	NR	650	566	NR	780	11	NR	910	0	NR
395	3	NR	525	584	NR	655	507	NR	785	10	NR	915	0	NR
400	4	NR	530	604	NR	660	452	NR	790	8	NR	920	0	NR
405	7	NR	535	624	NR	665	400	NR	795	7	NR	925	0	NR
410	10	NR	540	646	NR	670	350	NR	800	6	NR	930	0	NR
415	17	NR	545	666	NR	675	306	NR	805	5	NR	935	0	NR
420	32	NR	550	690	NR	680	265	NR	810	5	NR	940	0	NR
425	59	NR	555	719	NR	685	230	NR	815	4	NR	945	0	NR
430	106	NR	560	754	NR	690	198	NR	820	3	NR	950	0	NR
435	185	NR	565	792	NR	695	170	NR	825	3	NR	955	0	NR
440	327	NR	570	828	NR	700	145	NR	830	3	NR	960	0	NR
445	620	NR	575	866	NR	705	124	NR	835	2	NR	965	0	NR
450	893	NR	580	900	NR	710	106	NR	840	2	NR	970	0	NR
455	745	NR	585	933	NR	715	90	NR	845	2	NR	975	0	NR
460	489	NR	590	966	NR	720	78	NR	850	2	NR	980	0	NR
465	396	NR	595	988	NR	725	66	NR	855	1	NR	985	0	NR
470	304	NR	600	996	NR	730	56	NR	860	1	NR	990	0	NR
475	225	NR	605	1000	NR	735	48	NR	865	1	NR	995	0	NR
480	210	NR	610	981	NR	740	40	NR	870	1	NR	1000	0	NR
485	223	NR	615	950	NR	745	34	NR	875	1	NR			

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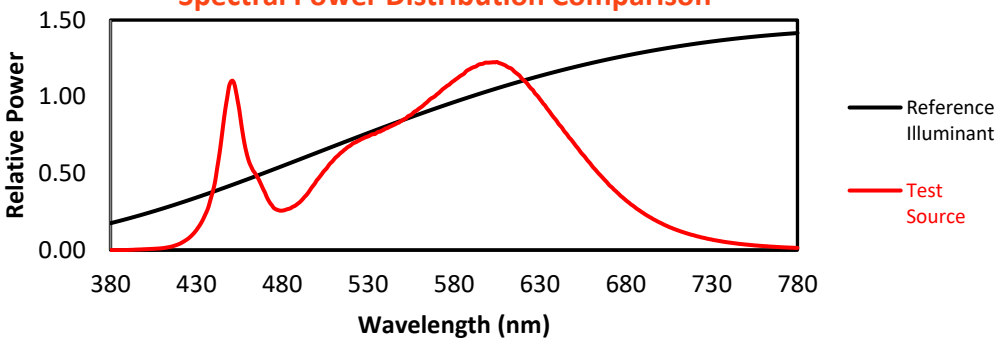
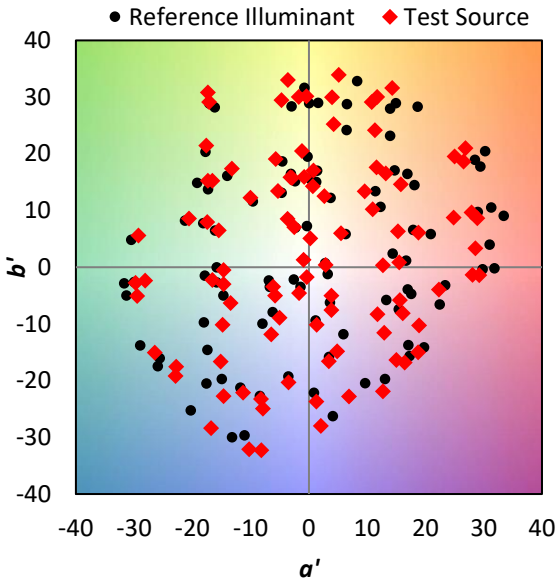
Summary

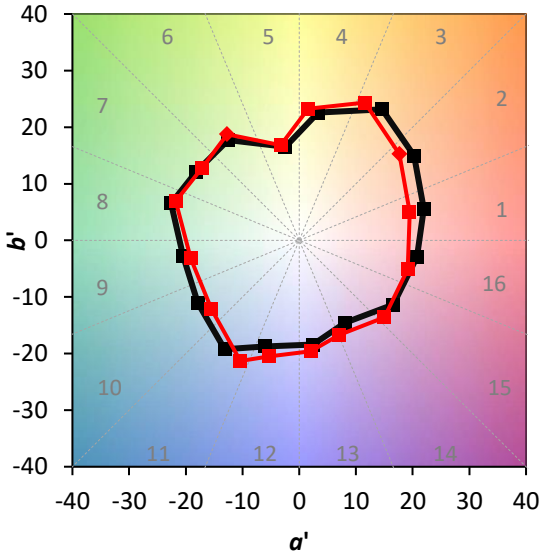
R_f = 84.4
R_g = 97.5
CIE R_a = 83.9
R_9 = 13.5

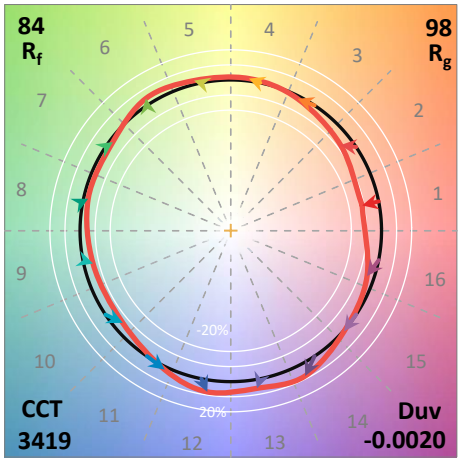
Spectral Power Distribution Comparison

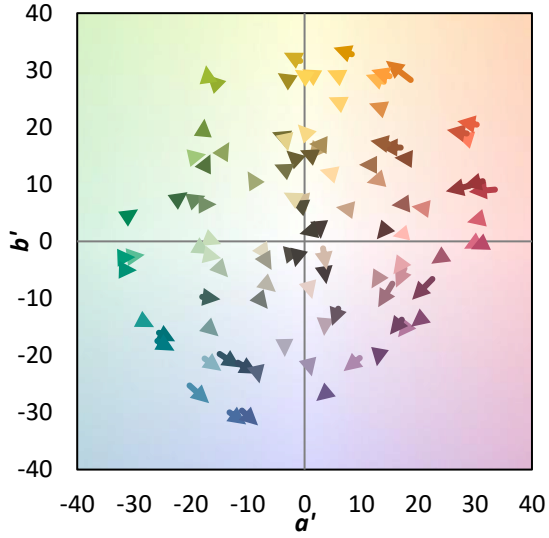


Color Vector Graphics









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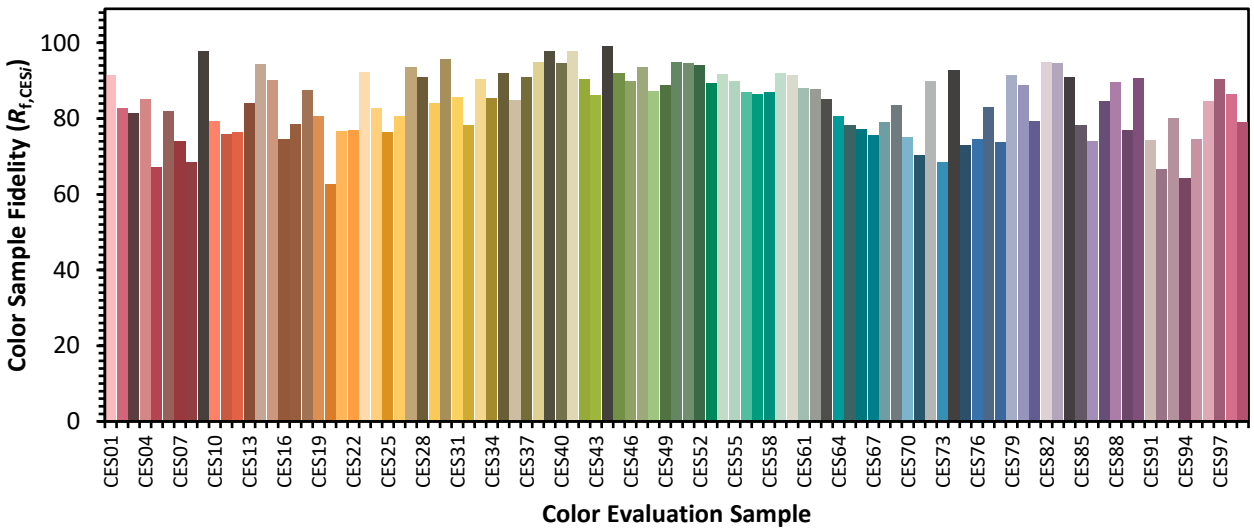
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 81	CES51 = 95	CES76 = 75
CES02 = 62	CES27 = 94	CES52 = 94	CES77 = 83
CES03 = 31	CES28 = 91	CES53 = 89	CES78 = 74
CES04 = 70	CES29 = 84	CES54 = 92	CES79 = 92
CES05 = 49	CES30 = 96	CES55 = 90	CES80 = 89
CES06 = 51	CES31 = 86	CES56 = 87	CES81 = 79
CES07 = 42	CES32 = 78	CES57 = 86	CES82 = 95
CES08 = 40	CES33 = 91	CES58 = 87	CES83 = 95
CES09 = 29	CES34 = 85	CES59 = 92	CES84 = 91
CES10 = 75	CES35 = 92	CES60 = 91	CES85 = 78
CES11 = 58	CES36 = 85	CES61 = 88	CES86 = 74
CES12 = 64	CES37 = 91	CES62 = 88	CES87 = 85
CES13 = 43	CES38 = 95	CES63 = 85	CES88 = 90
CES14 = 74	CES39 = 98	CES64 = 81	CES89 = 77
CES15 = 71	CES40 = 95	CES65 = 78	CES90 = 91
CES16 = 47	CES41 = 98	CES66 = 77	CES91 = 74
CES17 = 50	CES42 = 90	CES67 = 76	CES92 = 67
CES18 = 56	CES43 = 86	CES68 = 79	CES93 = 80
CES19 = 72	CES44 = 99	CES69 = 83	CES94 = 64
CES20 = 66	CES45 = 92	CES70 = 75	CES95 = 75
CES21 = 86	CES46 = 90	CES71 = 70	CES96 = 85
CES22 = 78	CES47 = 94	CES72 = 90	CES97 = 90
CES23 = 92	CES48 = 87	CES73 = 68	CES98 = 87
CES24 = 91	CES49 = 89	CES74 = 93	CES99 = 79
CES25 = 72	CES50 = 95	CES75 = 73	



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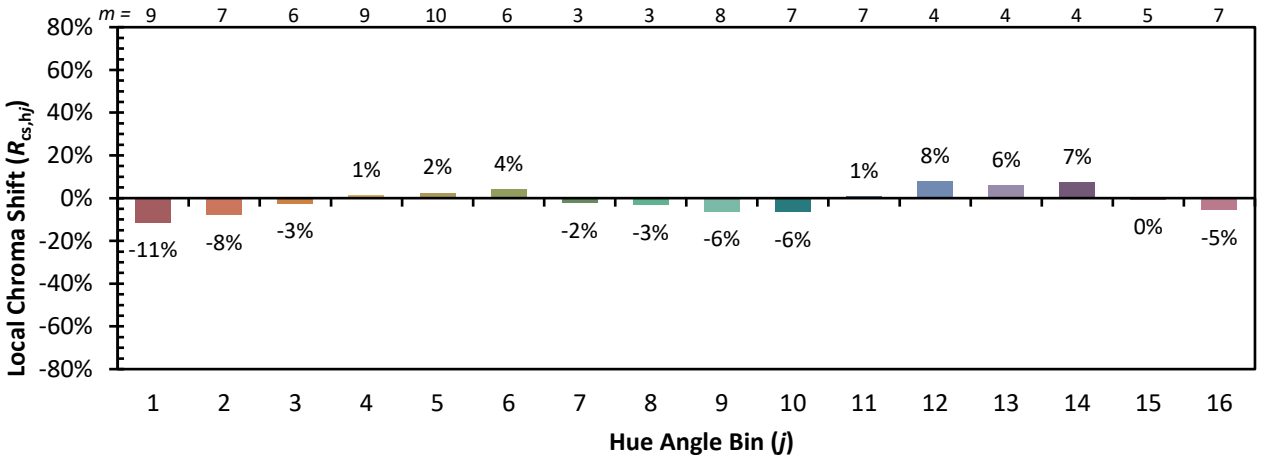
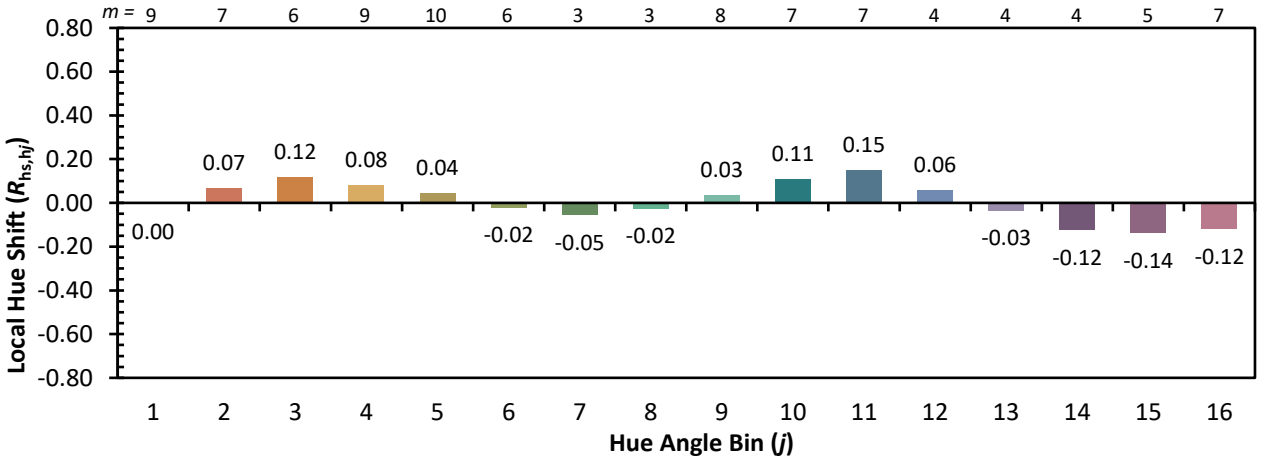
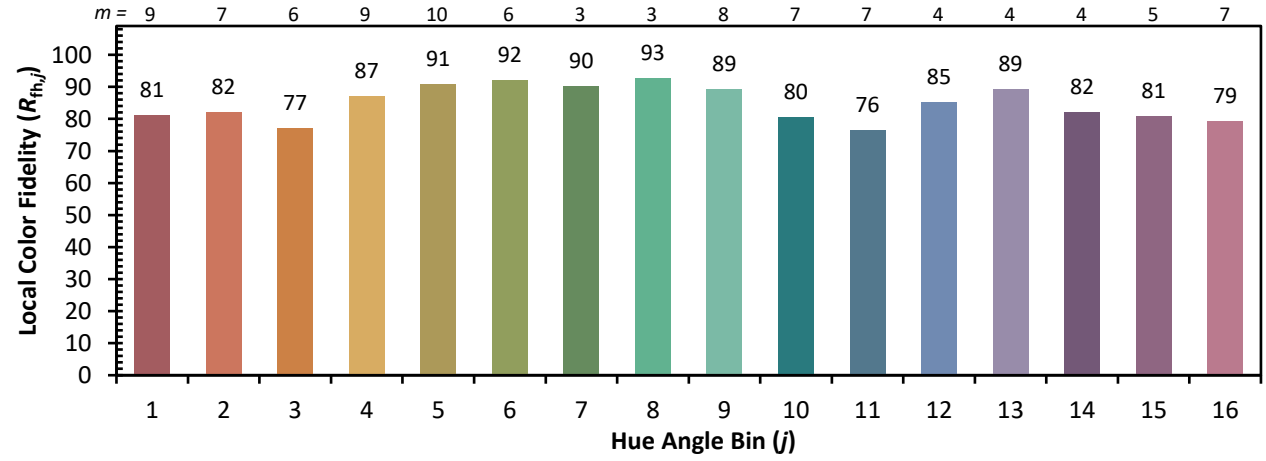
Color Rendition by Hue-Angle Bin







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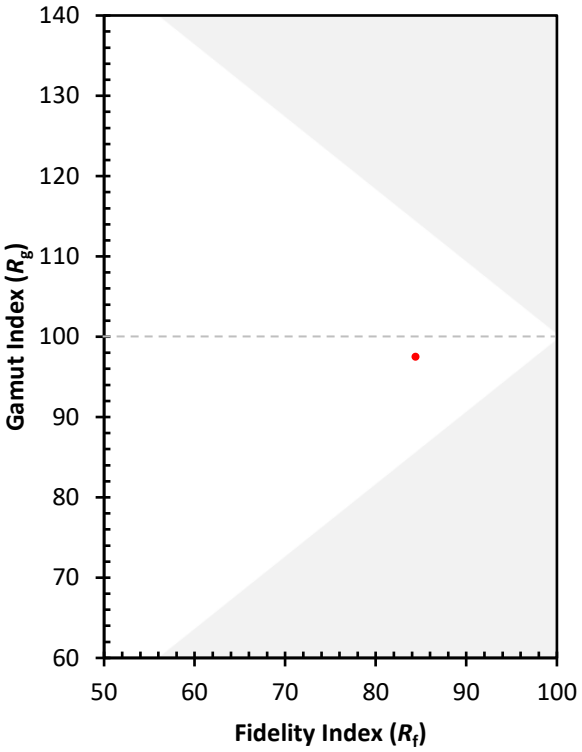
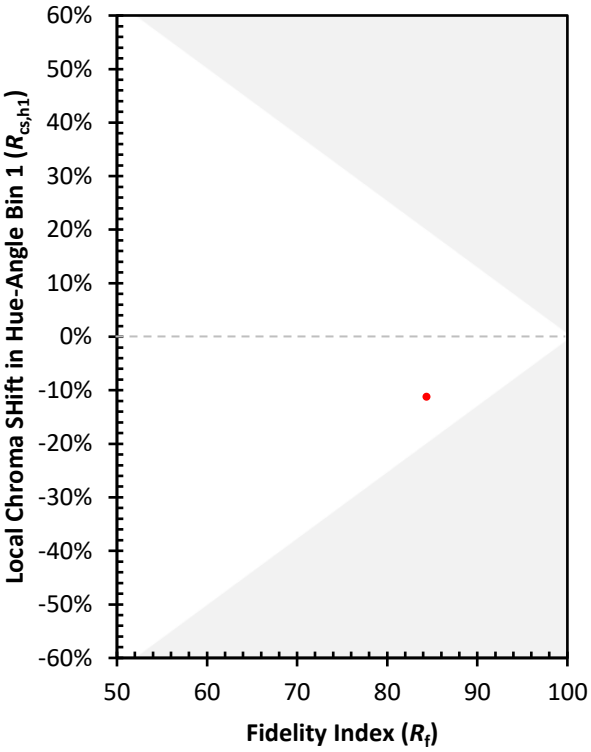
Measure Comparisons





(END OF REPORT)