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: P1436187

Luminaire Tested: EHBR1-60-UNV-M-L830-UPL12

Issue Date: 3/25/2026

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:	P1436187
	REPORT IS A COMBINATION OF REPORTS P1436115 AND P1431635
Test Lab:	INNOVATION CENTER
Issue Date:	3/25/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	METALUX
Catalog Number:	EHBR1-60-UNV-M-L830-UPL12
Description:	Elevate Round Highbay at, 60000 lumens, 3000K 80CRI LEDs with M lens
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	57031.9 lumens
Efficiency:	N/A
Efficacy:	168.8 lumens/watt
Spacing Criteria (0/90/45):	1.21 / 1.21 / 1.15
Luminous Opening:	Vertical Cylinder (Dia: 1.71' x H: 0.1')
CIE Type:	Direct

Input Watts (W):	337.8
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

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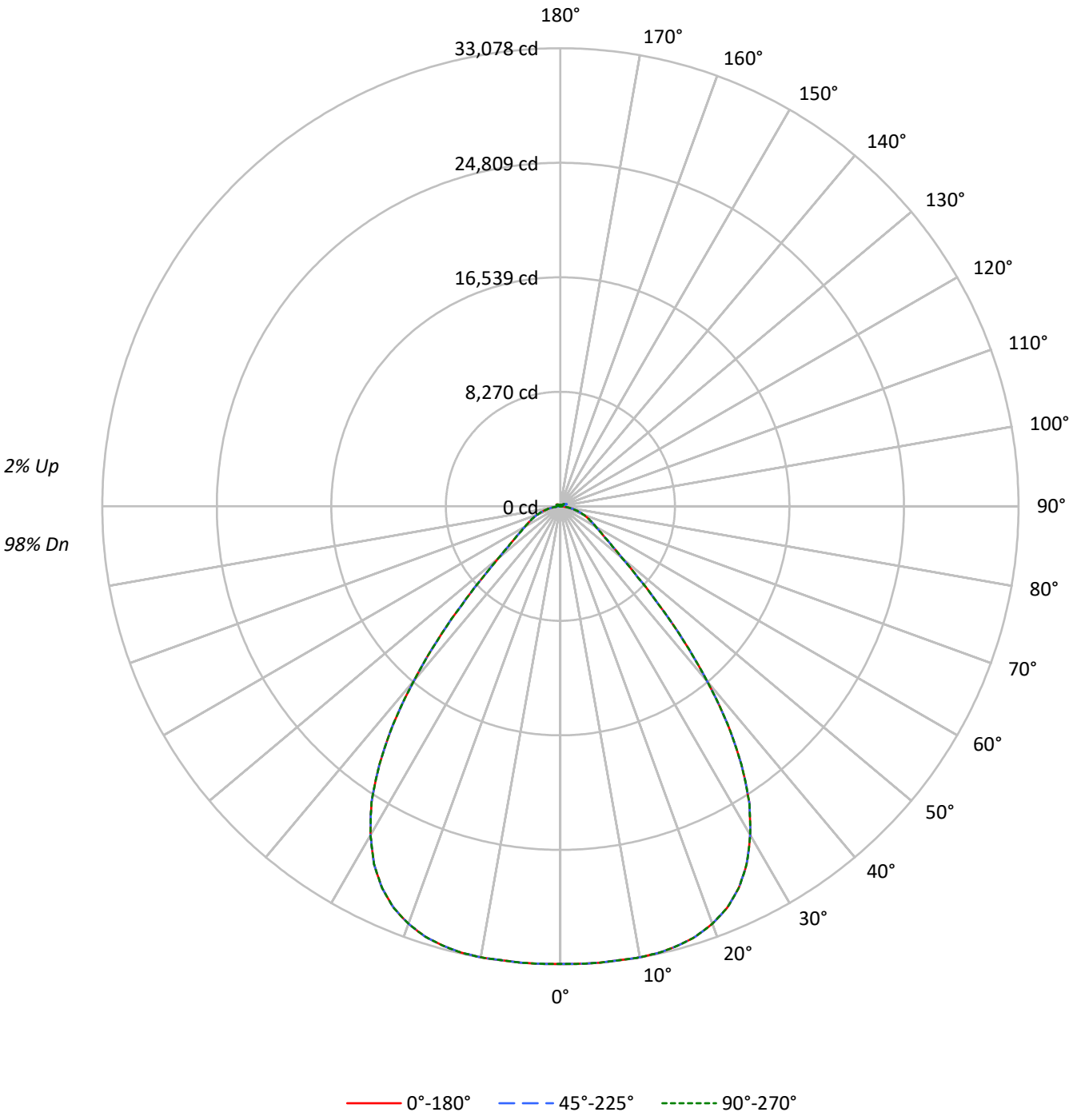
Luminous Intensity Polar Plot



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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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	111	108	104	101	108	105	102	100	101	98	96	97	95	93	93	91	90	88
2	104	97	92	88	101	95	91	87	92	88	84	88	85	82	85	83	80	78
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	78	75	72	70
4	90	81	74	68	88	79	73	68	77	71	67	74	70	66	72	68	65	63
5	84	74	67	61	82	73	66	61	71	65	60	69	63	59	67	62	59	57
6	79	68	60	55	77	67	60	55	65	59	54	63	58	54	62	57	53	51
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	57	52	49	47
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	53	48	45	43
9	65	54	47	42	64	53	46	42	52	46	42	51	45	41	50	45	41	39
10	62	50	43	39	60	50	43	39	49	43	38	48	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	155184	155184	155184
5°	154919	154919	154919
10°	155646	155646	155646
15°	156540	156540	156540
20°	156067	156067	156067
25°	152423	152423	152423
30°	142526	142526	142526
35°	124127	124127	124127
40°	95129	95129	95129
45°	62145	62145	62145
50°	39177	39177	39177
55°	29204	29204	29204
60°	24587	24587	24587
65°	22357	22357	22357
70°	20367	20367	20367
75°	17435	17435	17435
80°	13426	13426	13426
85°	7041	7041	7041

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 62145 cd/sqm

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CATALOG NUMBER: EHBR1-60-UNV-M-L830-UPL12

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3156.2	5.5
10°-20°	9268.6	16.3
20°-30°	13907.3	24.4
30°-40°	13992.2	24.5
40°-50°	8009.5	14.0
50°-60°	3663.3	6.4
60°-70°	2324.3	4.1
70°-80°	1303.8	2.3
80°-90°	307.8	0.5
90°-100°	31.3	0.1
100°-110°	196.4	0.3
110°-120°	351.1	0.6
120°-130°	206.0	0.4
130°-140°	126.4	0.2
140°-150°	87.7	0.2
150°-160°	56.9	0.1
160°-170°	32.4	0.1
170°-180°	10.7	0.0
0°-30°	26332.1	46.2
0°-40°	40324.3	70.7
0°-60°	51997.1	91.2
0°-90°	55933.0	98.1
90°-120°	578.8	1.0
90°-150°	998.9	1.8
90°-180°	1099.0	1.9
0°-180°	57031.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	33045	33045	33045	33045	33045	
5°	33078	33078	33078	33078	33078	3156
15°	32841	32841	32841	32841	32841	9269
25°	30439	30439	30439	30439	30439	13907
35°	22782	22782	22782	22782	22782	13992
45°	10055	10055	10055	10055	10055	8009
55°	3947	3947	3947	3947	3947	3663
65°	2334	2334	2334	2334	2334	2324
75°	1228	1228	1228	1228	1228	1304
85°	242	242	242	242	242	296
90°	8	13	23	14	8	13
95°	14	23	51	25	16	13
105°	69	135	345	149	91	92
115°	316	332	408	391	389	291
125°	228	213	218	221	248	208
135°	166	161	167	157	156	130
145°	136	135	143	141	140	86
155°	120	118	124	124	124	56
165°	112	112	115	115	114	32
175°	111	111	113	113	113	11
180°	112	112	112	112	112	

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TEST NUMBER: P1436187
CATALOG NUMBER: EHBR1-60-UNV-M-L830-UPL12

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	33045.4	33045.4	33045.4	33045.4	33045.4
2.5°	33061.6	33061.6	33061.6	33061.6	33061.6
5°	33077.7	33077.7	33077.7	33077.7	33077.7
7.5°	33054.9	33054.9	33054.9	33054.9	33054.9
10°	33069.1	33069.1	33069.1	33069.1	33069.1
12.5°	33012.4	33012.4	33012.4	33012.4	33012.4
15°	32841.2	32841.2	32841.2	32841.2	32841.2
17.5°	32558.5	32558.5	32558.5	32558.5	32558.5
20°	32076.3	32076.3	32076.3	32076.3	32076.3
22.5°	31413.5	31413.5	31413.5	31413.5	31413.5
25°	30438.7	30438.7	30438.7	30438.7	30438.7
27.5°	29127.2	29127.2	29127.2	29127.2	29127.2
30°	27414.8	27414.8	27414.8	27414.8	27414.8
32.5°	25387.6	25387.6	25387.6	25387.6	25387.6
35°	22781.7	22781.7	22781.7	22781.7	22781.7
37.5°	19829.8	19829.8	19829.8	19829.8	19829.8
40°	16488.3	16488.3	16488.3	16488.3	16488.3
42.5°	13176.0	13176.0	13176.0	13176.0	13176.0
45°	10054.8	10054.8	10054.8	10054.8	10054.8
47.5°	7569.0	7569.0	7569.0	7569.0	7569.0
50°	5838.7	5838.7	5838.7	5838.7	5838.7
52.5°	4717.3	4717.3	4717.3	4717.3	4717.3
55°	3946.6	3946.6	3946.6	3946.6	3946.6
57.5°	3379.4	3379.4	3379.4	3379.4	3379.4
60°	2955.7	2955.7	2955.7	2955.7	2955.7
62.5°	2628.6	2628.6	2628.6	2628.6	2628.6
65°	2333.6	2333.6	2333.6	2333.6	2333.6
67.5°	2062.2	2062.2	2062.2	2062.2	2062.2
70°	1787.1	1787.1	1787.1	1787.1	1787.1
72.5°	1510.0	1510.0	1510.0	1510.0	1510.0
75°	1228.2	1228.2	1228.2	1228.2	1228.2
77.5°	960.7	960.7	960.7	960.7	960.7
80°	706.3	706.3	706.3	706.3	706.3
82.5°	460.5	460.5	460.5	460.5	460.5
85°	242.0	242.0	242.0	242.0	242.0
87.5°	69.0	69.0	69.0	69.0	69.0
90°	8.1	13.2	22.7	14.4	8.1
92.5°	12.0	20.1	36.5	18.8	10.7
95°	13.9	23.2	51.0	25.2	15.7
97.5°	17.6	25.8	58.5	30.8	24.5
100°	23.2	30.2	91.2	37.7	32.7
102.5°	39.6	64.2	193.8	71.1	49.7
105°	68.6	135.3	345.4	149.1	90.6
107.5°	118.9	242.2	455.4	264.2	171.8
110°	222.1	321.5	477.5	363.0	274.9

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CATALOG NUMBER: EHBR1-60-UNV-M-L830-UPL12

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	*300.1*	345.4	457.4	400.7	357.9
115°	*315.9*	332.2	408.3	391.3	388.8
117.5°	*305.1*	303.2	346.7	351.6	375.6
120°	*282.5*	269.9	289.3	307.0	339.1
122.5°	*254.1*	239.0	247.9	261.1	293.2
125°	*227.7*	212.6	218.3	221.4	248.5
127.5°	*204.5*	194.4	197.6	193.8	210.8
130°	*188.7*	179.9	184.3	175.5	183.7
132.5°	*175.5*	169.8	174.9	164.2	166.7
135°	*166.1*	161.0	166.7	156.6	156.1
137.5°	*157.9*	153.5	159.1	151.7	149.7
140°	*150.3*	146.6	152.9	147.3	145.9
142.5°	*142.2*	139.7	147.3	143.4	142.2
145°	*136.5*	134.6	142.8	140.9	140.3
147.5°	*131.5*	130.2	137.8	137.1	137.1
150°	*127.1*	125.8	133.4	132.7	133.4
152.5°	*122.7*	121.4	128.3	127.7	128.3
155°	*119.5*	118.3	123.9	123.9	123.9
157.5°	*117.0*	116.3	120.8	120.8	120.8
160°	*115.1*	114.5	118.3	118.3	117.7
162.5°	*113.2*	112.6	117.0	116.3	116.3
165°	*111.9*	111.9	115.1	115.1	114.5
167.5°	*111.9*	111.4	114.5	114.5	113.9
170°	*111.4*	111.4	113.9	113.2	112.6
172.5°	*111.4*	111.4	113.9	113.2	112.6
175°	*110.7*	110.7	112.6	112.6	112.6
177.5°	*111.4*	111.4	112.6	112.6	111.9
180°	*111.9*	111.9	111.9	111.9	111.9

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TEST NUMBER: P1436187
CATALOG NUMBER: EHBR1-60-UNV-M-L830-UPL12

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	20.25	21.49	20.65	21.84	22.21	20.25	21.49	20.65	21.84	22.21
	3H	21.74	22.84	22.15	23.21	23.62	21.74	22.84	22.15	23.21	23.62
	4H	22.26	23.29	22.70	23.68	24.11	22.26	23.29	22.70	23.68	24.11
	6H	22.59	23.53	23.04	23.94	24.38	22.59	23.53	23.04	23.94	24.38
	8H	22.66	23.55	23.12	23.98	24.44	22.66	23.55	23.12	23.98	24.44
	12H	22.67	23.53	23.14	23.95	24.43	22.67	23.53	23.14	23.95	24.43
4H	2H	20.69	21.72	21.13	22.11	22.54	20.69	21.72	21.13	22.11	22.54
	3H	22.39	23.23	22.84	23.68	24.13	22.39	23.23	22.84	23.68	24.13
	4H	23.02	23.78	23.49	24.24	24.73	23.02	23.78	23.49	24.24	24.73
	6H	23.45	24.10	23.95	24.59	25.10	23.45	24.10	23.95	24.59	25.10
	8H	23.55	24.15	24.05	24.64	25.15	23.55	24.15	24.05	24.64	25.15
	12H	23.58	24.11	24.10	24.63	25.15	23.58	24.11	24.10	24.63	25.15
8H	4H	23.20	23.81	23.71	24.29	24.81	23.20	23.81	23.71	24.29	24.81
	6H	23.71	24.21	24.25	24.74	25.27	23.71	24.21	24.25	24.74	25.27
	8H	23.85	24.30	24.41	24.85	25.38	23.85	24.30	24.41	24.85	25.38
	12H	23.92	24.31	24.47	24.84	25.46	23.92	24.31	24.47	24.84	25.46
12H	4H	23.19	23.73	23.71	24.25	24.77	23.19	23.73	23.71	24.25	24.77
	6H	23.72	24.16	24.27	24.71	25.25	23.72	24.16	24.27	24.71	25.25
	8H	23.89	24.28	24.44	24.81	25.43	23.89	24.28	24.44	24.81	25.43

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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: SP1-2506-472-2

Test Date: 07/31/2025

Luminaire Tested: EHBR-60-L830-N

Data in this report applies to families of products including EHBR-60-L830-N

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

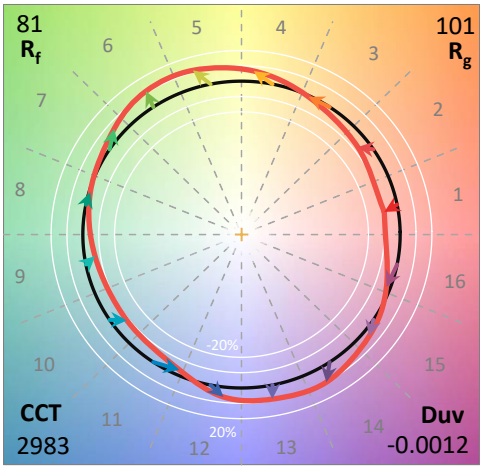
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2506-472-2
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	08/05/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Metalux
Catalog Number:	**EHBR-60-L830-N**
Description:	Elevate Round Highbay at, 60000 lumens, 3000K 80CRI LEDs with N lens

Spectral Parameters

CCT (K):	2983
CIE u':	0.2516
CIE v':	0.5201
Duv:	-0.0012
CIE x:	0.4364
CIE y:	0.4010
CIE z:	0.1626
Peak Wavelength (nm):	630
Dominant Wavelength (nm):	583
Purity:	51.34918
Rf:	81.2
Rg:	101.5

CRI (Ra):	83.4				
R1:	84.0	R9:	29.4		
R2:	87.5	R10:	68.6		
R3:	88.9	R11:	82.2		
R4:	83.8	R12:	61.6		
R5:	81.9	R13:	83.9		
R6:	83.1	R14:	92.5		
R7:	87.1	R15:	79.8		
R8:	70.9				



Test Conditions

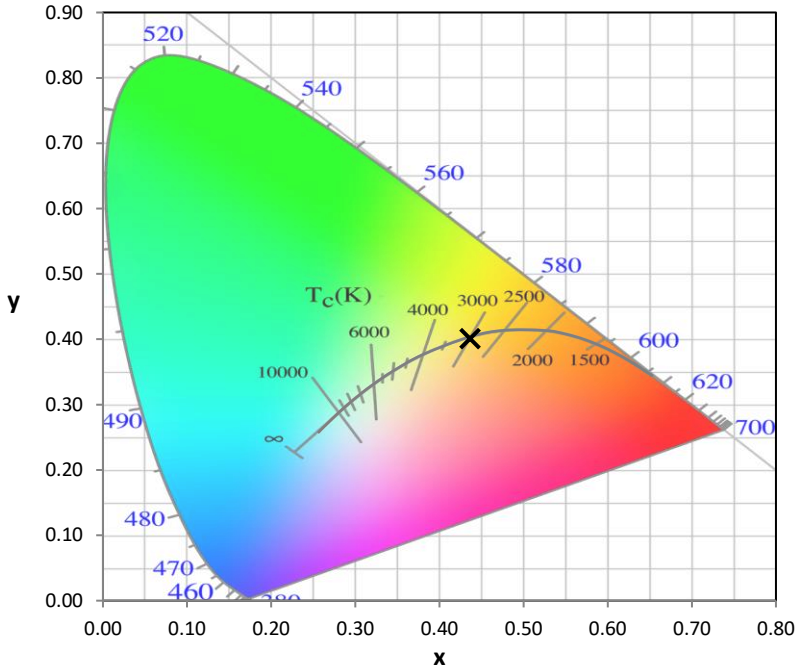
Stabilization Time:	38M
Operation Time:	1H 38M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2506-472-2

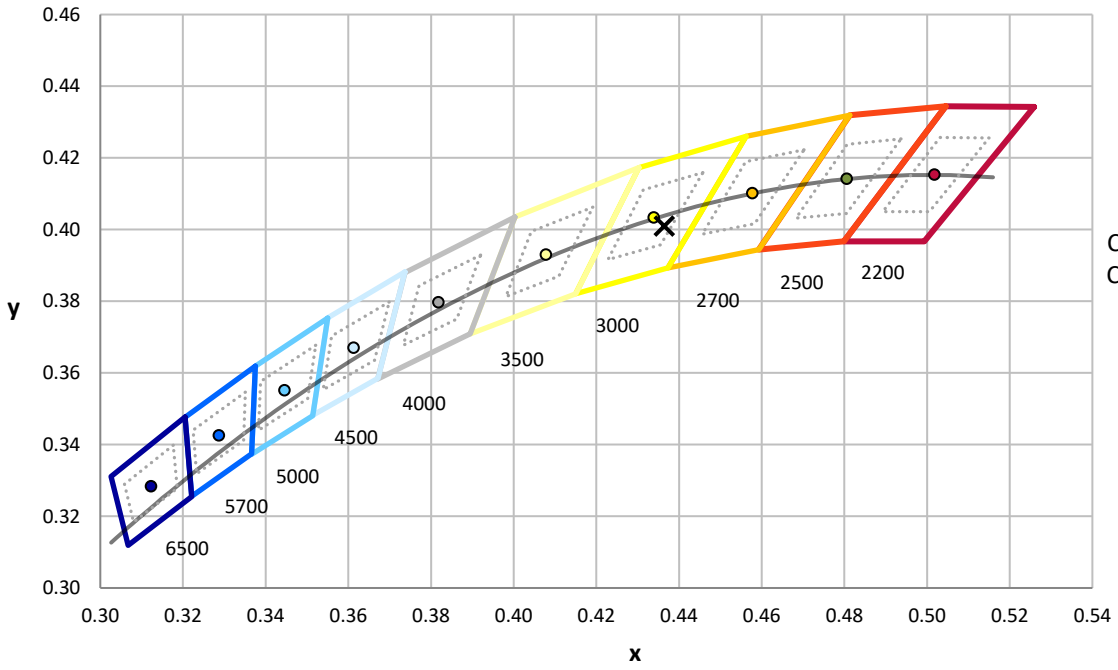
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208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

REPORT NUMBER: SP1-2506-472-2

CIE 1931 Chromaticity Diagram



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

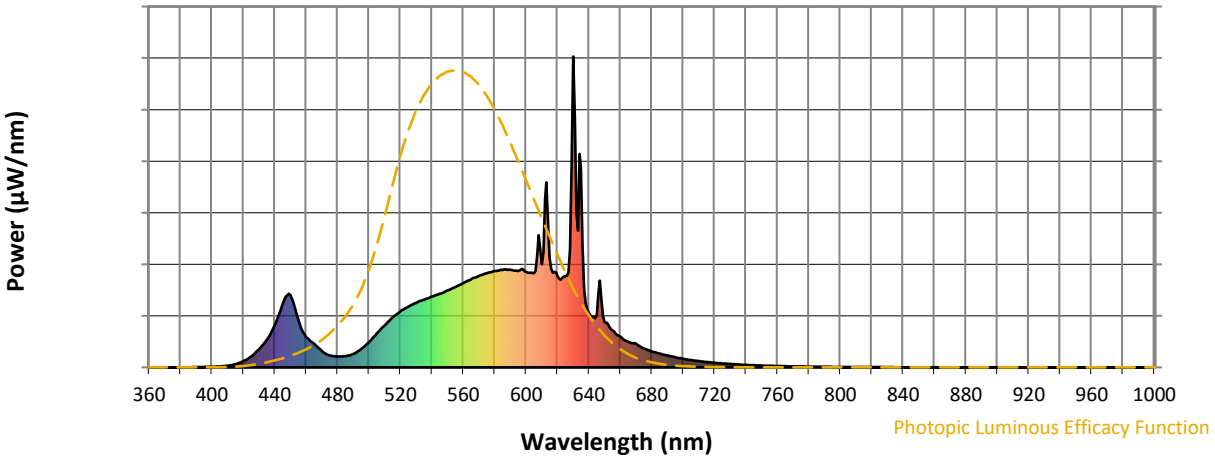


CCT = 2983K
CIE x = 0.4364
CIE y = 0.4010
Duv = -0.0012

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-2

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	43	NR	620	294	NR	750	6	NR	880	0	NR
365	0	NR	495	59	NR	625	294	NR	755	5	NR	885	0	NR
370	0	NR	500	81	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	109	NR	635	637	NR	765	4	NR	895	0	NR
380	0	NR	510	135	NR	640	175	NR	770	3	NR	900	0	NR
385	0	NR	515	160	NR	645	171	NR	775	3	NR	905	0	NR
390	1	NR	520	180	NR	650	146	NR	780	2	NR	910	0	NR
395	1	NR	525	195	NR	655	119	NR	785	2	NR	915	0	NR
400	2	NR	530	207	NR	660	99	NR	790	2	NR	920	0	NR
405	3	NR	535	218	NR	665	82	NR	795	2	NR	925	0	NR
410	5	NR	540	227	NR	670	76	NR	800	1	NR	930	0	NR
415	10	NR	545	237	NR	675	61	NR	805	1	NR	935	0	NR
420	20	NR	550	247	NR	680	52	NR	810	1	NR	940	0	NR
425	35	NR	555	259	NR	685	44	NR	815	1	NR	945	0	NR
430	58	NR	560	271	NR	690	38	NR	820	1	NR	950	0	NR
435	90	NR	565	283	NR	695	33	NR	825	1	NR	955	0	NR
440	135	NR	570	293	NR	700	27	NR	830	1	NR	960	0	NR
445	204	NR	575	303	NR	705	24	NR	835	1	NR	965	0	NR
450	233	NR	580	310	NR	710	20	NR	840	0	NR	970	0	NR
455	153	NR	585	313	NR	715	17	NR	845	0	NR	975	0	NR
460	98	NR	590	314	NR	720	15	NR	850	0	NR	980	0	NR
465	76	NR	595	310	NR	725	13	NR	855	0	NR	985	0	NR
470	53	NR	600	307	NR	730	11	NR	860	0	NR	990	0	NR
475	39	NR	605	303	NR	735	9	NR	865	0	NR	995	0	NR
480	35	NR	610	331	NR	740	8	NR	870	0	NR	1000	0	NR
485	36	NR	615	353	NR	745	7	NR	875	0	NR			

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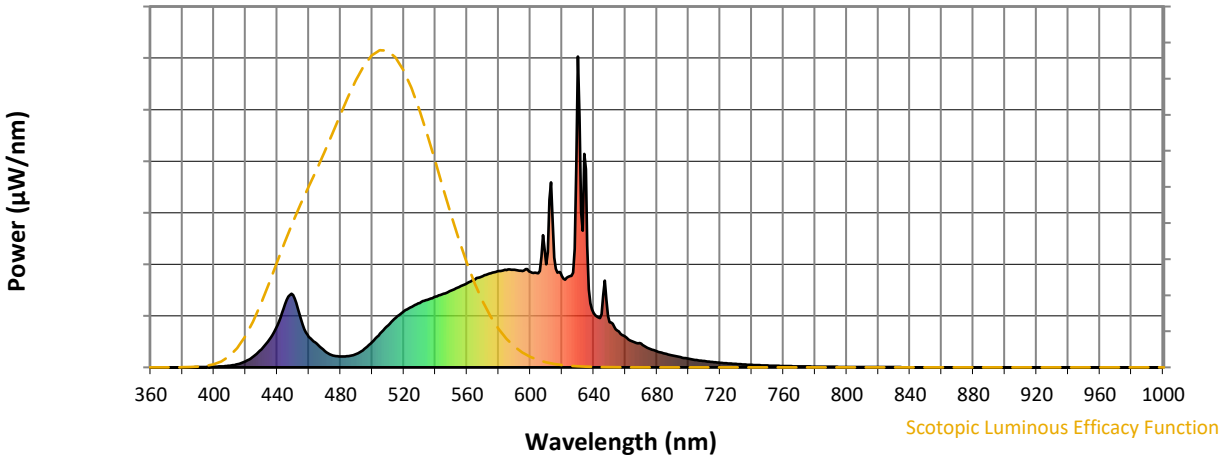
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.27**

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	43	NR	620	294	NR	750	6	NR	880	0	NR
365	0	NR	495	59	NR	625	294	NR	755	5	NR	885	0	NR
370	0	NR	500	81	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	109	NR	635	637	NR	765	4	NR	895	0	NR
380	0	NR	510	135	NR	640	175	NR	770	3	NR	900	0	NR
385	0	NR	515	160	NR	645	171	NR	775	3	NR	905	0	NR
390	1	NR	520	180	NR	650	146	NR	780	2	NR	910	0	NR
395	1	NR	525	195	NR	655	119	NR	785	2	NR	915	0	NR
400	2	NR	530	207	NR	660	99	NR	790	2	NR	920	0	NR
405	3	NR	535	218	NR	665	82	NR	795	2	NR	925	0	NR
410	5	NR	540	227	NR	670	76	NR	800	1	NR	930	0	NR
415	10	NR	545	237	NR	675	61	NR	805	1	NR	935	0	NR
420	20	NR	550	247	NR	680	52	NR	810	1	NR	940	0	NR
425	35	NR	555	259	NR	685	44	NR	815	1	NR	945	0	NR
430	58	NR	560	271	NR	690	38	NR	820	1	NR	950	0	NR
435	90	NR	565	283	NR	695	33	NR	825	1	NR	955	0	NR
440	135	NR	570	293	NR	700	27	NR	830	1	NR	960	0	NR
445	204	NR	575	303	NR	705	24	NR	835	1	NR	965	0	NR
450	233	NR	580	310	NR	710	20	NR	840	0	NR	970	0	NR
455	153	NR	585	313	NR	715	17	NR	845	0	NR	975	0	NR
460	98	NR	590	314	NR	720	15	NR	850	0	NR	980	0	NR
465	76	NR	595	310	NR	725	13	NR	855	0	NR	985	0	NR
470	53	NR	600	307	NR	730	11	NR	860	0	NR	990	0	NR
475	39	NR	605	303	NR	735	9	NR	865	0	NR	995	0	NR
480	35	NR	610	331	NR	740	8	NR	870	0	NR	1000	0	NR
485	36	NR	615	353	NR	745	7	NR	875	0	NR			

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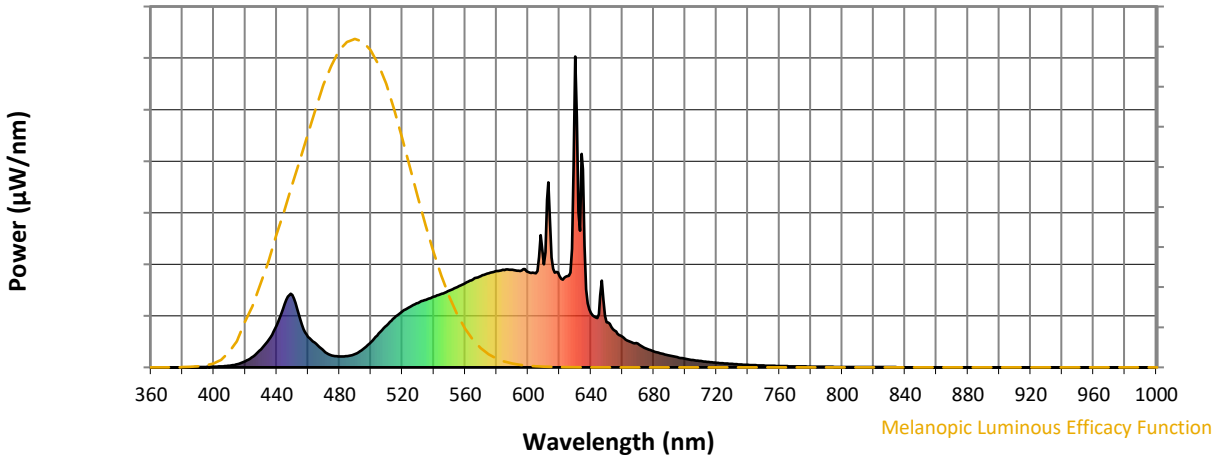
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.34**

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	43	NR	620	294	NR	750	6	NR	880	0	NR
365	0	NR	495	59	NR	625	294	NR	755	5	NR	885	0	NR
370	0	NR	500	81	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	109	NR	635	637	NR	765	4	NR	895	0	NR
380	0	NR	510	135	NR	640	175	NR	770	3	NR	900	0	NR
385	0	NR	515	160	NR	645	171	NR	775	3	NR	905	0	NR
390	1	NR	520	180	NR	650	146	NR	780	2	NR	910	0	NR
395	1	NR	525	195	NR	655	119	NR	785	2	NR	915	0	NR
400	2	NR	530	207	NR	660	99	NR	790	2	NR	920	0	NR
405	3	NR	535	218	NR	665	82	NR	795	2	NR	925	0	NR
410	5	NR	540	227	NR	670	76	NR	800	1	NR	930	0	NR
415	10	NR	545	237	NR	675	61	NR	805	1	NR	935	0	NR
420	20	NR	550	247	NR	680	52	NR	810	1	NR	940	0	NR
425	35	NR	555	259	NR	685	44	NR	815	1	NR	945	0	NR
430	58	NR	560	271	NR	690	38	NR	820	1	NR	950	0	NR
435	90	NR	565	283	NR	695	33	NR	825	1	NR	955	0	NR
440	135	NR	570	293	NR	700	27	NR	830	1	NR	960	0	NR
445	204	NR	575	303	NR	705	24	NR	835	1	NR	965	0	NR
450	233	NR	580	310	NR	710	20	NR	840	0	NR	970	0	NR
455	153	NR	585	313	NR	715	17	NR	845	0	NR	975	0	NR
460	98	NR	590	314	NR	720	15	NR	850	0	NR	980	0	NR
465	76	NR	595	310	NR	725	13	NR	855	0	NR	985	0	NR
470	53	NR	600	307	NR	730	11	NR	860	0	NR	990	0	NR
475	39	NR	605	303	NR	735	9	NR	865	0	NR	995	0	NR
480	35	NR	610	331	NR	740	8	NR	870	0	NR	1000	0	NR
485	36	NR	615	353	NR	745	7	NR	875	0	NR			

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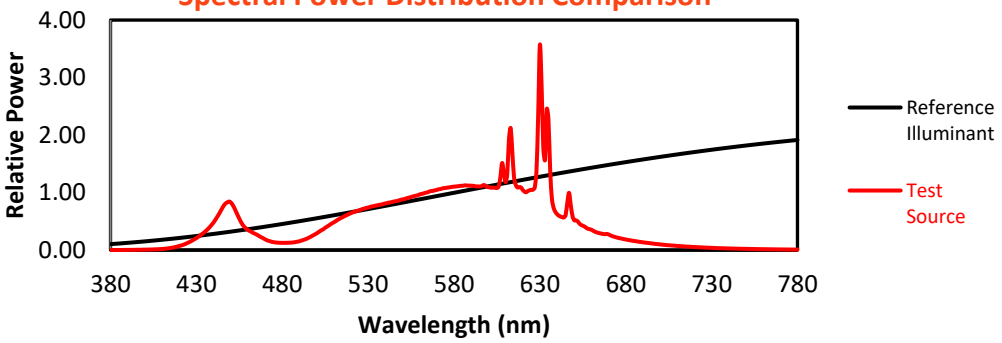
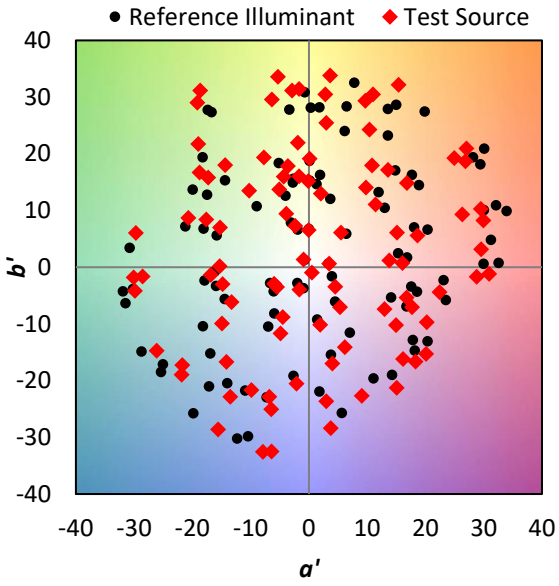
Summary

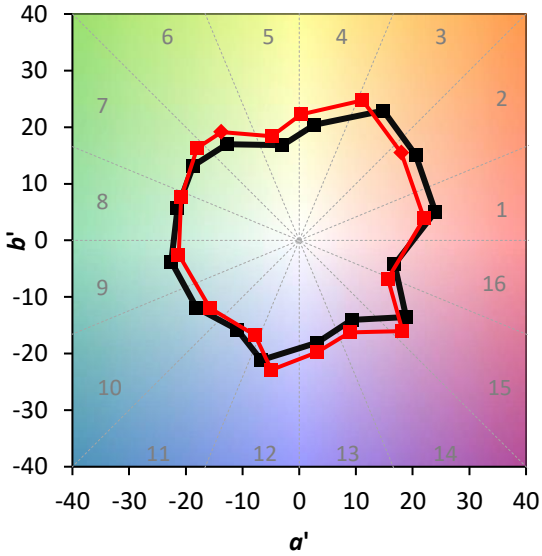
R_f = 81.2
R_g = 101.5
CIE R_a = 83.4
R_9 = 29.4

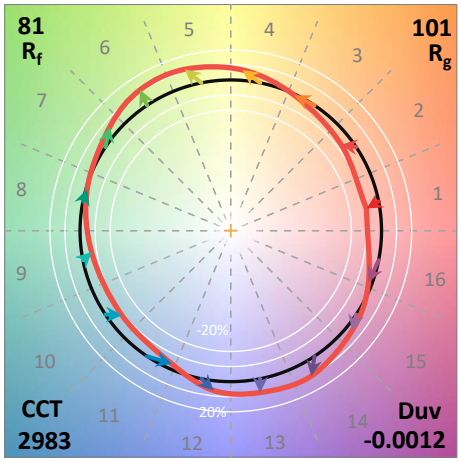
Spectral Power Distribution Comparison

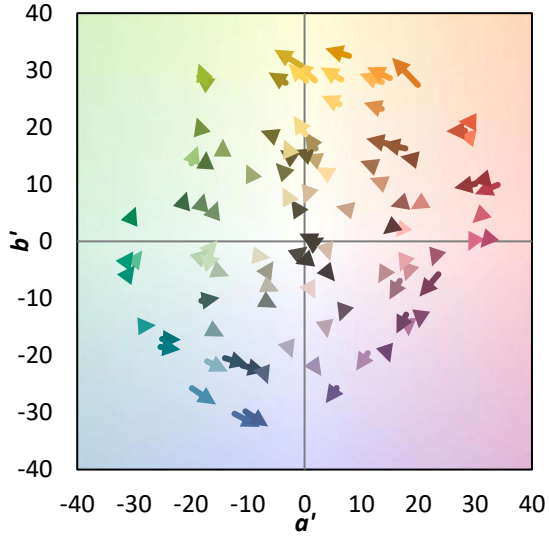


Color Vector Graphics









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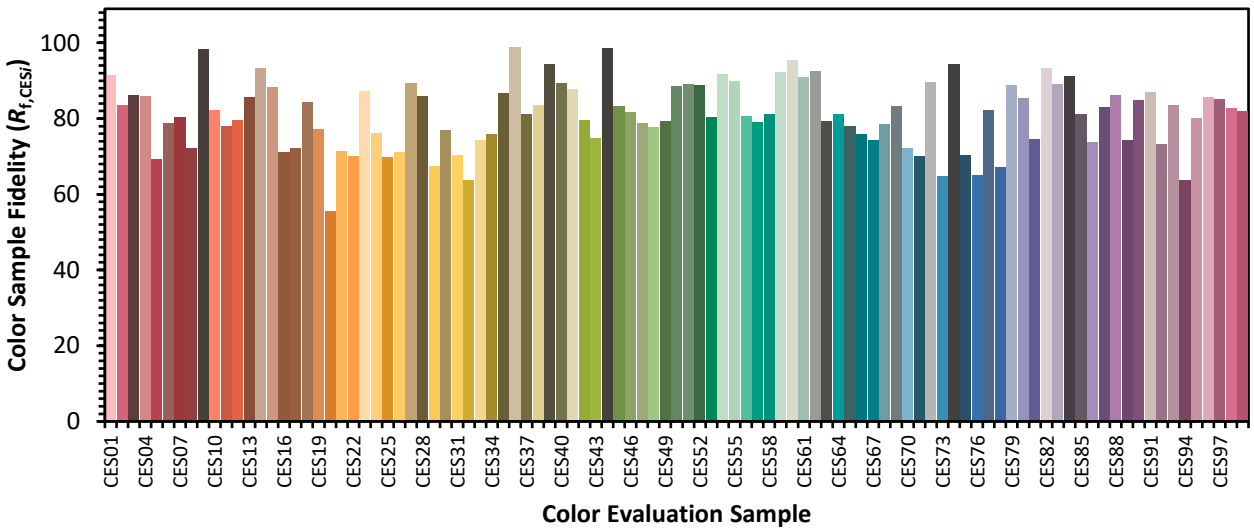
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 71	CES51 = 89	CES76 = 65
CES02 = 63	CES27 = 89	CES52 = 89	CES77 = 82
CES03 = 31	CES28 = 86	CES53 = 80	CES78 = 67
CES04 = 70	CES29 = 68	CES54 = 92	CES79 = 89
CES05 = 50	CES30 = 77	CES55 = 90	CES80 = 85
CES06 = 51	CES31 = 70	CES56 = 81	CES81 = 75
CES07 = 43	CES32 = 64	CES57 = 79	CES82 = 93
CES08 = 41	CES33 = 74	CES58 = 81	CES83 = 89
CES09 = 29	CES34 = 76	CES59 = 92	CES84 = 91
CES10 = 76	CES35 = 87	CES60 = 96	CES85 = 81
CES11 = 59	CES36 = 99	CES61 = 91	CES86 = 74
CES12 = 65	CES37 = 81	CES62 = 93	CES87 = 83
CES13 = 44	CES38 = 83	CES63 = 79	CES88 = 86
CES14 = 74	CES39 = 94	CES64 = 81	CES89 = 74
CES15 = 72	CES40 = 89	CES65 = 78	CES90 = 85
CES16 = 48	CES41 = 88	CES66 = 76	CES91 = 87
CES17 = 50	CES42 = 80	CES67 = 74	CES92 = 73
CES18 = 57	CES43 = 75	CES68 = 79	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 83	CES94 = 64
CES20 = 67	CES45 = 83	CES70 = 72	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 70	CES96 = 86
CES22 = 79	CES47 = 79	CES72 = 90	CES97 = 85
CES23 = 92	CES48 = 78	CES73 = 65	CES98 = 83
CES24 = 91	CES49 = 79	CES74 = 94	CES99 = 82
CES25 = 72	CES50 = 88	CES75 = 70	



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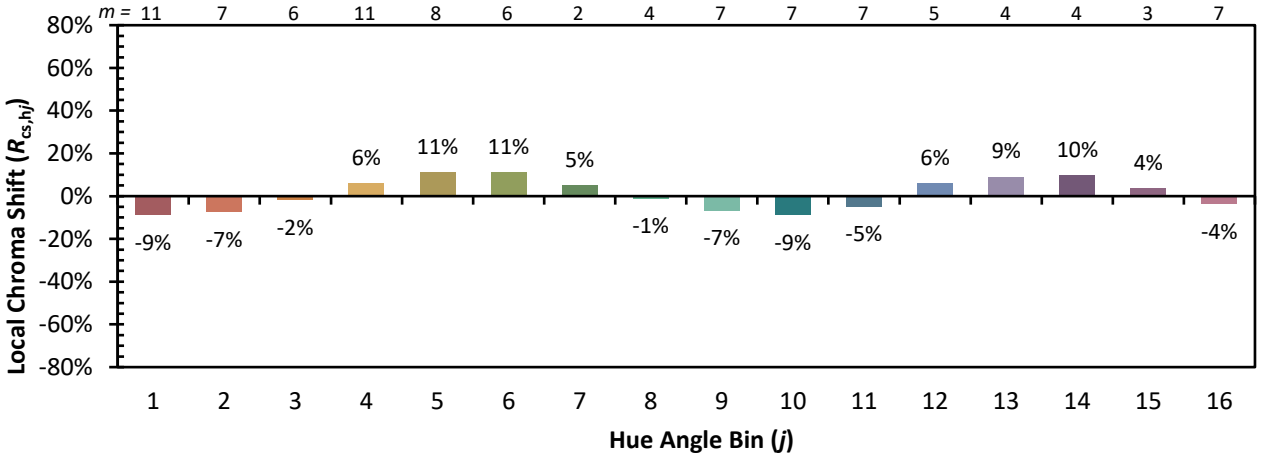
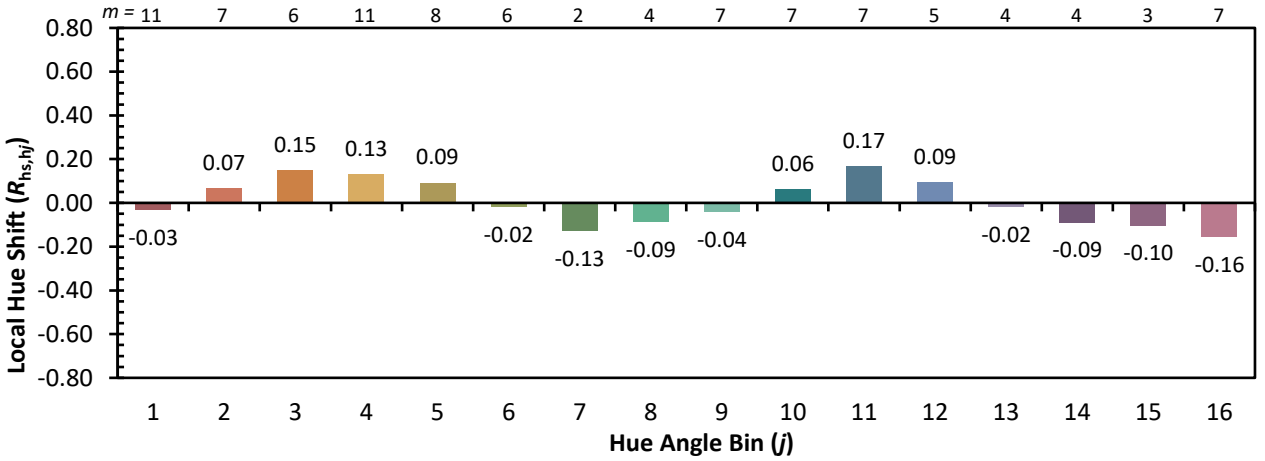
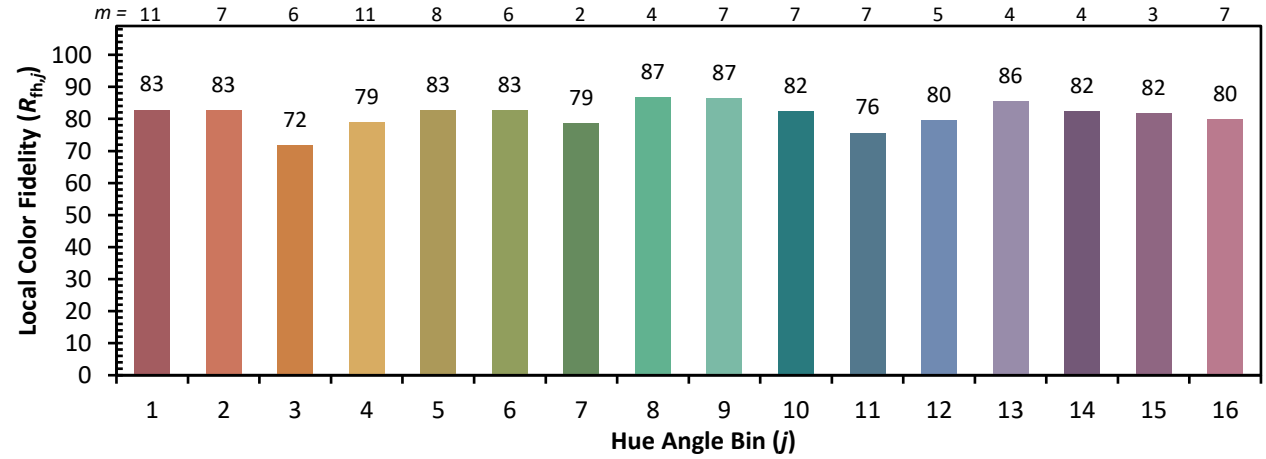
Color Rendition by Hue-Angle Bin







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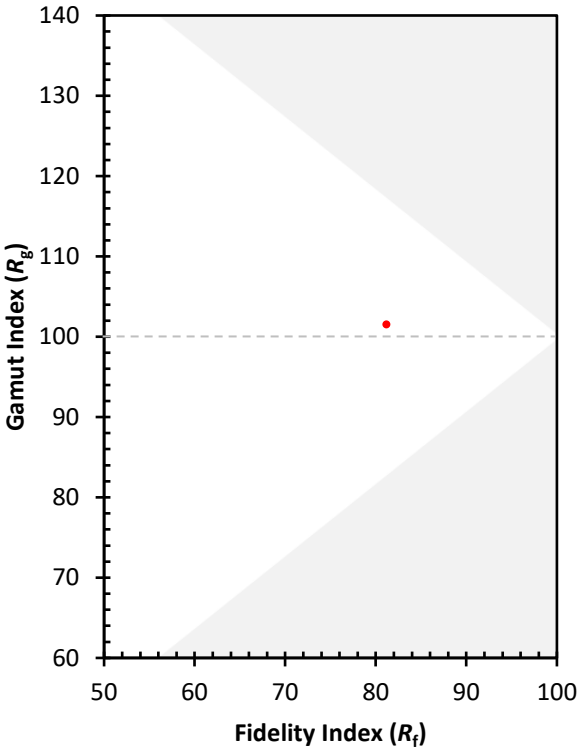
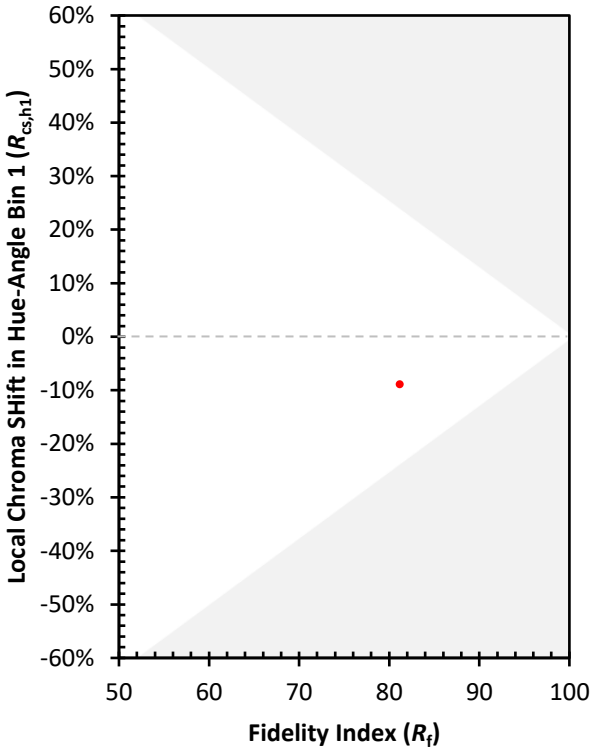
Measure Comparisons





(END OF REPORT)