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: P1436283

Luminaire Tested: EHBR1-24-UNV-M-L840-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:	P1436283
	REPORT IS A COMBINATION OF REPORTS P1436067 AND P1431635
Test Lab:	INNOVATION CENTER
Issue Date:	3/25/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	METALUX
Catalog Number:	EHBR1-24-UNV-M-L840-UPL12
Description:	Elevate Round Highbay at, 24000 lumens, 4000K 80CRI LEDs with M lens
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	26082.4 lumens
Efficiency:	N/A
Efficacy:	192.2 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):	135.7
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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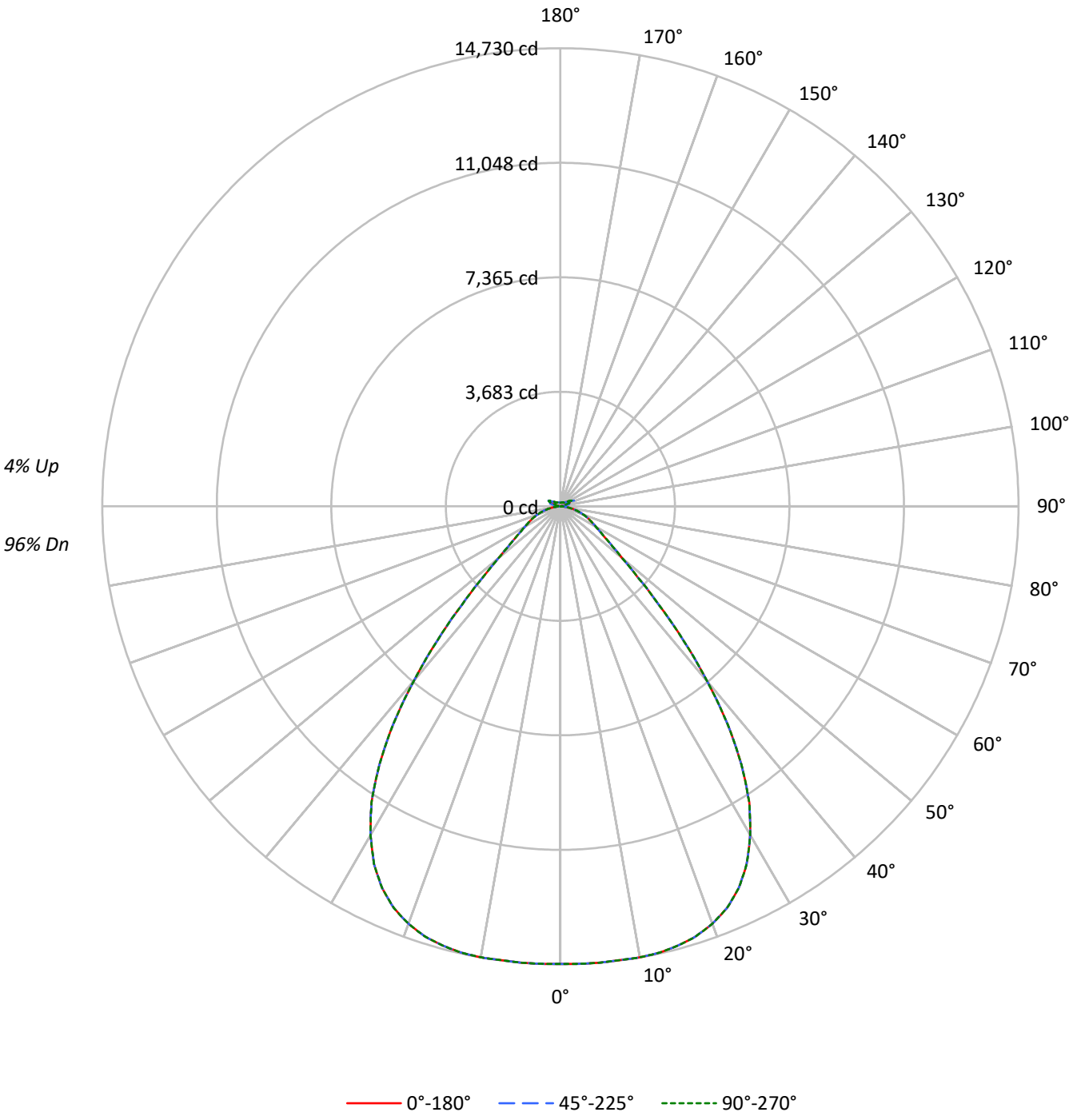
Luminous Intensity Polar Plot



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CATALOG NUMBER: EHBR1-24-UNV-M-L840-UPL12

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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96
1	110	107	104	101	107	104	101	99	99	97	95	95	93	91	91	89	88	86
2	103	97	91	87	100	95	90	86	90	87	83	87	83	81	83	81	78	76
3	96	88	81	76	93	86	80	75	83	78	74	79	75	72	76	73	70	68
4	90	80	73	68	87	78	72	67	76	70	66	73	68	64	70	66	63	61
5	84	73	66	61	81	72	65	60	69	64	59	67	62	58	65	61	57	55
6	78	67	60	55	76	66	59	54	64	58	53	62	57	53	60	56	52	50
7	73	62	55	50	72	61	54	49	59	53	49	58	52	48	56	51	47	46
8	69	57	50	45	67	57	50	45	55	49	44	54	48	44	52	47	43	42
9	65	53	46	41	63	53	46	41	51	45	41	50	44	40	49	44	40	38
10	61	50	43	38	60	49	42	38	48	42	38	47	41	37	46	41	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	69106	69106	69106
5°	68988	68988	68988
10°	69312	69312	69312
15°	69710	69710	69710
20°	69499	69499	69499
25°	67876	67876	67876
30°	63469	63469	63469
35°	55276	55276	55276
40°	42363	42363	42363
45°	27674	27674	27674
50°	17446	17446	17446
55°	13005	13005	13005
60°	10949	10949	10949
65°	9956	9956	9956
70°	9070	9070	9070
75°	7765	7765	7765
80°	5978	5978	5978
85°	3136	3136	3136

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 27674 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1405.5	5.4
10°-20°	4127.5	15.8
20°-30°	6193.1	23.7
30°-40°	6230.9	23.9
40°-50°	3566.8	13.7
50°-60°	1631.4	6.3
60°-70°	1035.1	4.0
70°-80°	580.6	2.2
80°-90°	138.3	0.5
90°-100°	33.4	0.1
100°-110°	209.6	0.8
110°-120°	374.9	1.4
120°-130°	219.9	0.8
130°-140°	134.9	0.5
140°-150°	93.6	0.4
150°-160°	60.8	0.2
160°-170°	34.6	0.1
170°-180°	11.4	0.0
0°-30°	11726.1	45.0
0°-40°	17957.1	68.8
0°-60°	23155.2	88.8
0°-90°	24909.1	95.5
90°-120°	617.9	2.4
90°-150°	1066.4	4.1
90°-180°	1173.0	4.5
0°-180°	26082.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14716	14716	14716	14716	14716	
5°	14730	14730	14730	14730	14730	1405
15°	14625	14625	14625	14625	14625	4127
25°	13555	13555	13555	13555	13555	6193
35°	10145	10145	10145	10145	10145	6231
45°	4478	4478	4478	4478	4478	3567
55°	1758	1758	1758	1758	1758	1631
65°	1039	1039	1039	1039	1039	1035
75°	547	547	547	547	547	581
85°	108	108	108	108	108	132
90°	9	14	24	15	9	8
95°	15	25	54	27	17	14
105°	73	144	369	159	97	98
115°	337	355	436	418	415	311
125°	243	227	233	236	265	222
135°	177	172	178	167	167	139
145°	146	144	152	150	150	92
155°	128	126	132	132	132	60
165°	120	120	123	123	122	34
175°	118	118	120	120	120	11
180°	120	120	120	120	120	

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TEST NUMBER: P1436283
CATALOG NUMBER: EHBR1-24-UNV-M-L840-UPL12

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	*14715.7*	14715.7	14715.7	14715.7	14715.7
2.5°	*14722.9*	14722.9	14722.9	14722.9	14722.9
5°	*14730.0*	*14730.0*	*14730.0*	*14730.0*	*14730.0*
7.5°	*14719.9*	14719.9	14719.9	14719.9	14719.9
10°	*14726.2*	14726.2	14726.2	14726.2	14726.2
12.5°	*14701.0*	14701.0	14701.0	14701.0	14701.0
15°	*14624.8*	14624.8	14624.8	14624.8	14624.8
17.5°	*14498.9*	14498.9	14498.9	14498.9	14498.9
20°	*14284.1*	14284.1	14284.1	14284.1	14284.1
22.5°	*13989.0*	13989.0	13989.0	13989.0	13989.0
25°	*13554.8*	13554.8	13554.8	13554.8	13554.8
27.5°	*12970.8*	12970.8	12970.8	12970.8	12970.8
30°	*12208.3*	12208.3	12208.3	12208.3	12208.3
32.5°	*11305.5*	11305.5	11305.5	11305.5	11305.5
35°	*10145.1*	10145.1	10145.1	10145.1	10145.1
37.5°	*8830.5*	8830.5	8830.5	8830.5	8830.5
40°	*7342.5*	7342.5	7342.5	7342.5	7342.5
42.5°	*5867.5*	5867.5	5867.5	5867.5	5867.5
45°	*4477.6*	4477.6	4477.6	4477.6	4477.6
47.5°	*3370.6*	3370.6	3370.6	3370.6	3370.6
50°	*2600.1*	2600.1	2600.1	2600.1	2600.1
52.5°	*2100.7*	2100.7	2100.7	2100.7	2100.7
55°	*1757.5*	1757.5	1757.5	1757.5	1757.5
57.5°	*1504.9*	1504.9	1504.9	1504.9	1504.9
60°	*1316.2*	1316.2	1316.2	1316.2	1316.2
62.5°	*1170.6*	1170.6	1170.6	1170.6	1170.6
65°	*1039.2*	1039.2	1039.2	1039.2	1039.2
67.5°	*918.3*	918.3	918.3	918.3	918.3
70°	*795.8*	795.8	795.8	795.8	795.8
72.5°	*672.4*	672.4	672.4	672.4	672.4
75°	*547.0*	547.0	547.0	547.0	547.0
77.5°	*427.8*	427.8	427.8	427.8	427.8
80°	*314.5*	314.5	314.5	314.5	314.5
82.5°	*205.1*	205.1	205.1	205.1	205.1
85°	*107.8*	107.8	107.8	107.8	107.8
87.5°	*30.7*	30.7	30.7	30.7	30.7
90°	*8.7*	14.1	24.2	15.4	8.7
92.5°	*12.8*	21.5	39.0	20.1	11.4
95°	*14.8*	24.8	54.4	26.9	16.8
97.5°	*18.8*	27.5	62.5	32.9	26.2
100°	*24.8*	32.2	97.4	40.3	34.9
102.5°	*42.3*	68.5	206.9	75.9	53.1
105°	*73.2*	144.4	368.7	159.2	96.7
107.5°	*126.9*	258.6	486.2	282.1	183.4
110°	*237.1*	343.2	509.8	387.5	293.5

TEST NUMBER: P1436283
CATALOG NUMBER: EHBR1-24-UNV-M-L840-UPL12

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	*320.4*	368.7	488.3	427.8	382.1
115°	*337.2*	354.6	435.9	417.7	415.1
117.5°	*325.7*	323.7	370.1	375.4	401.0
120°	*301.6*	288.1	308.9	327.7	362.0
122.5°	*271.3*	255.2	264.6	278.7	313.0
125°	*243.1*	227.0	233.1	236.4	265.3
127.5°	*218.3*	207.5	210.9	206.9	225.0
130°	*201.5*	192.1	196.8	187.4	196.1
132.5°	*187.4*	181.3	186.7	175.3	178.0
135°	*177.3*	171.9	178.0	167.2	166.6
137.5°	*168.6*	163.9	169.9	161.9	159.8
140°	*160.5*	156.5	163.2	157.2	155.8
142.5°	*151.8*	149.1	157.2	153.1	151.8
145°	*145.7*	143.7	152.5	150.4	149.8
147.5°	*140.4*	139.0	147.1	146.4	146.4
150°	*135.7*	134.3	142.4	141.7	142.4
152.5°	*131.0*	129.6	137.0	136.3	137.0
155°	*127.6*	126.3	132.3	132.3	132.3
157.5°	*124.9*	124.2	129.0	129.0	129.0
160°	*122.9*	122.2	126.3	126.3	125.6
162.5°	*120.9*	120.2	124.9	124.2	124.2
165°	*119.5*	119.5	122.9	122.9	122.2
167.5°	*119.5*	118.9	122.2	122.2	121.6
170°	*118.9*	118.9	121.6	120.9	120.2
172.5°	*118.9*	118.9	121.6	120.9	120.2
175°	*118.2*	118.2	120.2	120.2	120.2
177.5°	*118.9*	118.9	120.2	120.2	119.5
180°	*119.5*	119.5	119.5	119.5	119.5

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Scaled Data Report

TEST NUMBER: P1436283
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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	17.23	18.43	17.68	18.84	19.27	17.23	18.43	17.68	18.84	19.27
	3H	18.72	19.78	19.18	20.21	20.69	18.72	19.78	19.18	20.21	20.69
	4H	19.24	20.24	19.73	20.68	21.17	19.24	20.24	19.73	20.68	21.17
	6H	19.57	20.48	20.07	20.94	21.45	19.57	20.48	20.07	20.94	21.45
	8H	19.64	20.50	20.15	20.98	21.50	19.64	20.50	20.15	20.98	21.50
	12H	19.65	20.48	20.17	20.95	21.49	19.65	20.48	20.17	20.95	21.49
4H	2H	17.68	18.67	18.16	19.11	19.60	17.68	18.67	18.16	19.11	19.60
	3H	19.37	20.19	19.87	20.68	21.19	19.37	20.19	19.87	20.68	21.19
	4H	20.00	20.73	20.52	21.24	21.79	20.00	20.73	20.52	21.24	21.79
	6H	20.43	21.06	20.97	21.59	22.16	20.43	21.06	20.97	21.59	22.16
	8H	20.52	21.11	21.07	21.64	22.22	20.52	21.11	21.07	21.64	22.22
	12H	20.55	21.07	21.12	21.64	22.22	20.55	21.07	21.12	21.64	22.22
8H	4H	20.18	20.77	20.73	21.30	21.88	20.18	20.77	20.73	21.30	21.88
	6H	20.69	21.17	21.27	21.75	22.33	20.69	21.17	21.27	21.75	22.33
	8H	20.83	21.26	21.43	21.85	22.45	20.83	21.26	21.43	21.85	22.45
	12H	20.90	21.28	21.49	21.85	22.52	20.90	21.28	21.49	21.85	22.52
12H	4H	20.17	20.69	20.73	21.25	21.83	20.17	20.69	20.73	21.25	21.83
	6H	20.69	21.12	21.29	21.72	22.31	20.69	21.12	21.29	21.72	22.31
	8H	20.87	21.24	21.46	21.82	22.49	20.87	21.24	21.46	21.82	22.49

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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: SP1-2506-472-1

Test Date: 07/30/2025

Luminaire Tested: EHBR-60-L840-N

Data in this report applies to families of products including EHBR-60-L840-N

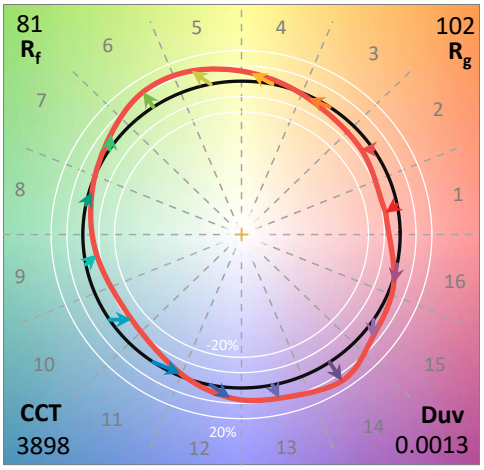
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2506-472-1
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-L840-N**
Description:	Elevate Round Highbay at, 60000 lumens, 4000K 80CRI LEDs with N lens

Spectral Parameters

CCT (K):	3898	CRI (Ra):	82.1		
CIE u':	0.2263	R1:	84.4	R9:	38.5
CIE v':	0.5052	R2:	83.5	R10:	58.9
Duv:	0.0013	R3:	80.8	R11:	83.6
CIE x:	0.3861	R4:	83.9	R12:	54.2
CIE y:	0.3831	R5:	82.1	R13:	82.8
CIE z:	0.2308	R6:	77.3	R14:	88.2
Peak Wavelength (nm):	630	R7:	86.4	R15:	81.2
Dominant Wavelength (nm):	578	R8:	78.3		
Purity:	30.85729				
Rf:	80.7				
Rg:	102.1				



Test Conditions

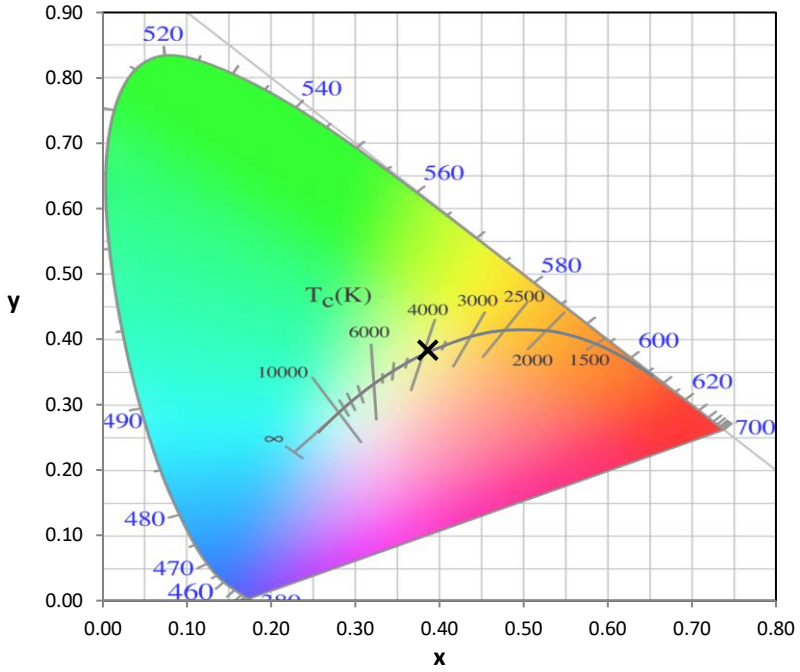
Stabilization Time:	42M
Operation Time:	1H 42M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2506-472-1

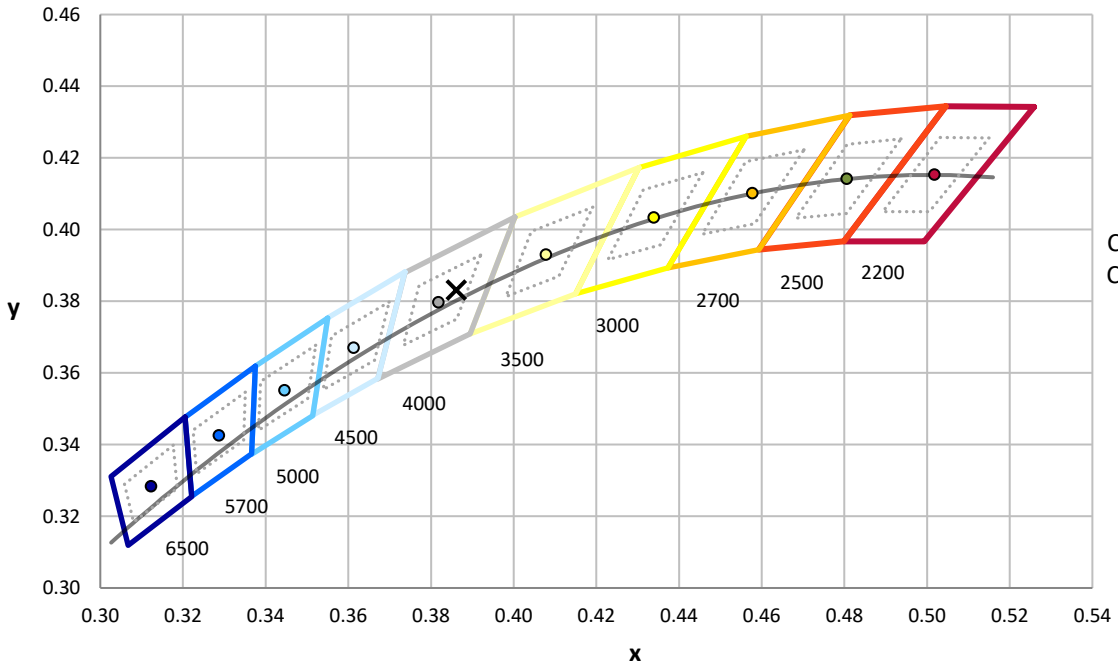
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208	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: SP1-2506-472-1

CIE 1931 Chromaticity Diagram



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

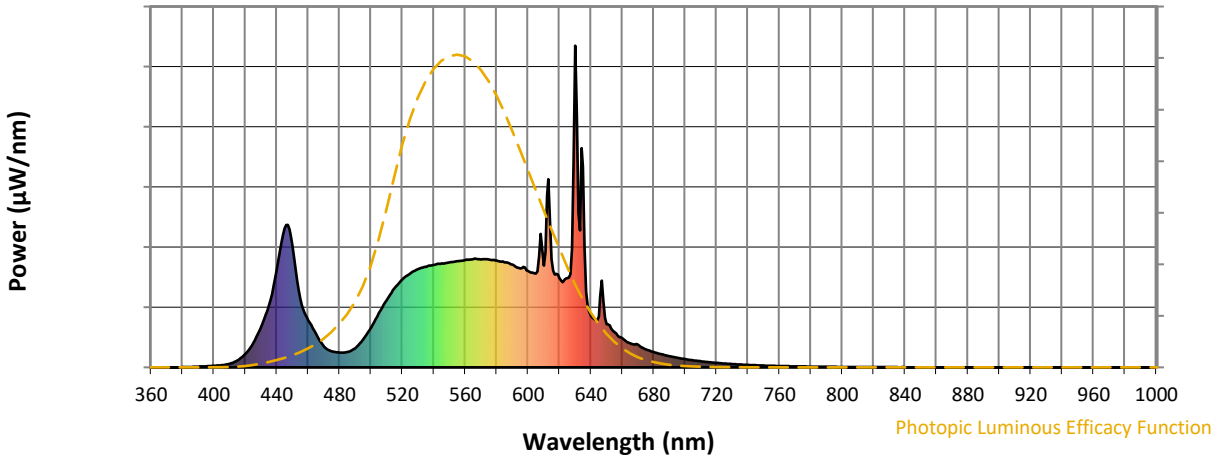


CCT = 3898K
CIE x = 0.3861
CIE y = 0.3831
Duv = 0.0013

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-1

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	60	NR	620	277	NR	750	6	NR	880	0	NR
365	0	NR	495	87	NR	625	278	NR	755	5	NR	885	0	NR
370	0	NR	500	124	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	168	NR	635	623	NR	765	4	NR	895	0	NR
380	1	NR	510	209	NR	640	162	NR	770	3	NR	900	0	NR
385	1	NR	515	246	NR	645	158	NR	775	3	NR	905	0	NR
390	2	NR	520	273	NR	650	134	NR	780	2	NR	910	0	NR
395	4	NR	525	292	NR	655	109	NR	785	2	NR	915	0	NR
400	5	NR	530	305	NR	660	91	NR	790	2	NR	920	0	NR
405	7	NR	535	313	NR	665	75	NR	795	2	NR	925	0	NR
410	11	NR	540	319	NR	670	70	NR	800	1	NR	930	0	NR
415	21	NR	545	323	NR	675	56	NR	805	1	NR	935	0	NR
420	42	NR	550	326	NR	680	47	NR	810	1	NR	940	0	NR
425	76	NR	555	330	NR	685	41	NR	815	1	NR	945	0	NR
430	125	NR	560	333	NR	690	35	NR	820	1	NR	950	0	NR
435	193	NR	565	336	NR	695	30	NR	825	1	NR	955	0	NR
440	302	NR	570	336	NR	700	26	NR	830	1	NR	960	0	NR
445	432	NR	575	335	NR	705	22	NR	835	1	NR	965	0	NR
450	380	NR	580	332	NR	710	19	NR	840	0	NR	970	0	NR
455	213	NR	585	326	NR	715	16	NR	845	0	NR	975	0	NR
460	147	NR	590	319	NR	720	14	NR	850	0	NR	980	0	NR
465	104	NR	595	307	NR	725	12	NR	855	0	NR	985	0	NR
470	65	NR	600	299	NR	730	10	NR	860	0	NR	990	0	NR
475	50	NR	605	291	NR	735	9	NR	865	0	NR	995	0	NR
480	46	NR	610	317	NR	740	8	NR	870	0	NR	1000	0	NR
485	47	NR	615	336	NR	745	7	NR	875	0	NR			

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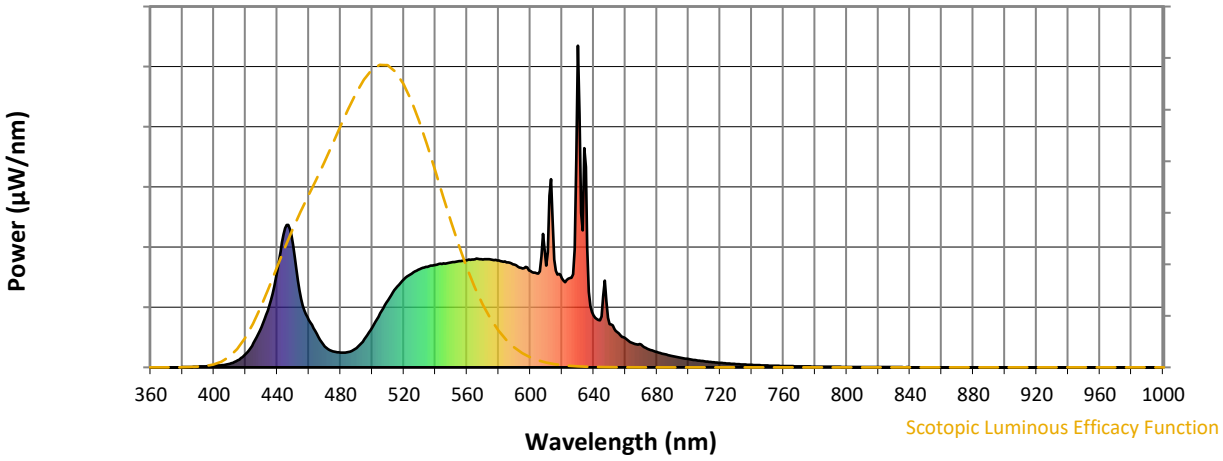
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.55**

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	60	NR	620	277	NR	750	6	NR	880	0	NR
365	0	NR	495	87	NR	625	278	NR	755	5	NR	885	0	NR
370	0	NR	500	124	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	168	NR	635	623	NR	765	4	NR	895	0	NR
380	1	NR	510	209	NR	640	162	NR	770	3	NR	900	0	NR
385	1	NR	515	246	NR	645	158	NR	775	3	NR	905	0	NR
390	2	NR	520	273	NR	650	134	NR	780	2	NR	910	0	NR
395	4	NR	525	292	NR	655	109	NR	785	2	NR	915	0	NR
400	5	NR	530	305	NR	660	91	NR	790	2	NR	920	0	NR
405	7	NR	535	313	NR	665	75	NR	795	2	NR	925	0	NR
410	11	NR	540	319	NR	670	70	NR	800	1	NR	930	0	NR
415	21	NR	545	323	NR	675	56	NR	805	1	NR	935	0	NR
420	42	NR	550	326	NR	680	47	NR	810	1	NR	940	0	NR
425	76	NR	555	330	NR	685	41	NR	815	1	NR	945	0	NR
430	125	NR	560	333	NR	690	35	NR	820	1	NR	950	0	NR
435	193	NR	565	336	NR	695	30	NR	825	1	NR	955	0	NR
440	302	NR	570	336	NR	700	26	NR	830	1	NR	960	0	NR
445	432	NR	575	335	NR	705	22	NR	835	1	NR	965	0	NR
450	380	NR	580	332	NR	710	19	NR	840	0	NR	970	0	NR
455	213	NR	585	326	NR	715	16	NR	845	0	NR	975	0	NR
460	147	NR	590	319	NR	720	14	NR	850	0	NR	980	0	NR
465	104	NR	595	307	NR	725	12	NR	855	0	NR	985	0	NR
470	65	NR	600	299	NR	730	10	NR	860	0	NR	990	0	NR
475	50	NR	605	291	NR	735	9	NR	865	0	NR	995	0	NR
480	46	NR	610	317	NR	740	8	NR	870	0	NR	1000	0	NR
485	47	NR	615	336	NR	745	7	NR	875	0	NR			

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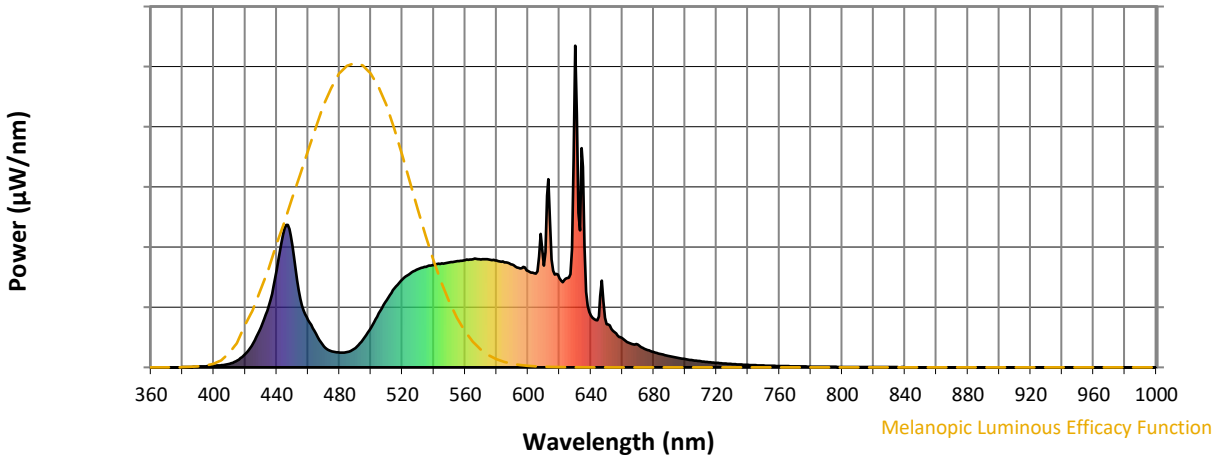
Melanopic Flux vs. Wavelength



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	60	NR	620	277	NR	750	6	NR	880	0	NR
365	0	NR	495	87	NR	625	278	NR	755	5	NR	885	0	NR
370	0	NR	500	124	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	168	NR	635	623	NR	765	4	NR	895	0	NR
380	1	NR	510	209	NR	640	162	NR	770	3	NR	900	0	NR
385	1	NR	515	246	NR	645	158	NR	775	3	NR	905	0	NR
390	2	NR	520	273	NR	650	134	NR	780	2	NR	910	0	NR
395	4	NR	525	292	NR	655	109	NR	785	2	NR	915	0	NR
400	5	NR	530	305	NR	660	91	NR	790	2	NR	920	0	NR
405	7	NR	535	313	NR	665	75	NR	795	2	NR	925	0	NR
410	11	NR	540	319	NR	670	70	NR	800	1	NR	930	0	NR
415	21	NR	545	323	NR	675	56	NR	805	1	NR	935	0	NR
420	42	NR	550	326	NR	680	47	NR	810	1	NR	940	0	NR
425	76	NR	555	330	NR	685	41	NR	815	1	NR	945	0	NR
430	125	NR	560	333	NR	690	35	NR	820	1	NR	950	0	NR
435	193	NR	565	336	NR	695	30	NR	825	1	NR	955	0	NR
440	302	NR	570	336	NR	700	26	NR	830	1	NR	960	0	NR
445	432	NR	575	335	NR	705	22	NR	835	1	NR	965	0	NR
450	380	NR	580	332	NR	710	19	NR	840	0	NR	970	0	NR
455	213	NR	585	326	NR	715	16	NR	845	0	NR	975	0	NR
460	147	NR	590	319	NR	720	14	NR	850	0	NR	980	0	NR
465	104	NR	595	307	NR	725	12	NR	855	0	NR	985	0	NR
470	65	NR	600	299	NR	730	10	NR	860	0	NR	990	0	NR
475	50	NR	605	291	NR	735	9	NR	865	0	NR	995	0	NR
480	46	NR	610	317	NR	740	8	NR	870	0	NR	1000	0	NR
485	47	NR	615	336	NR	745	7	NR	875	0	NR			

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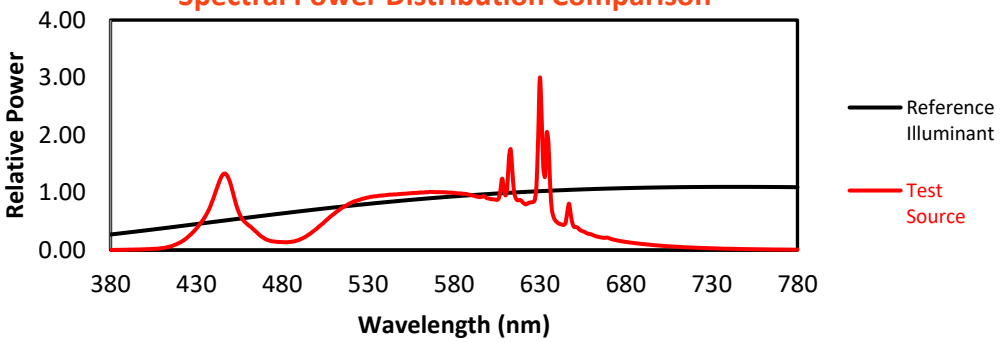
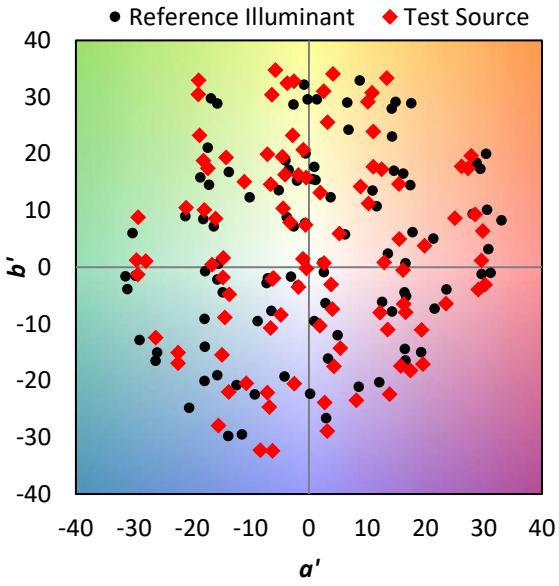
Summary

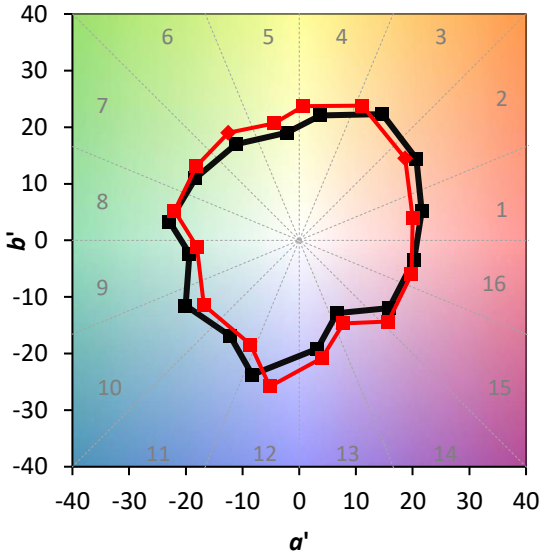
R_f = 80.7
R_g = 102.1
CIE R_a = 82.1
R_9 = 38.5

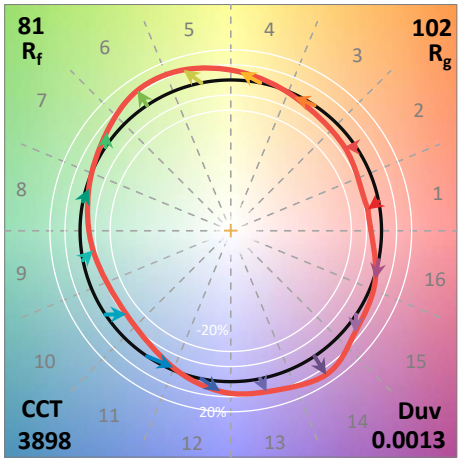
Spectral Power Distribution Comparison

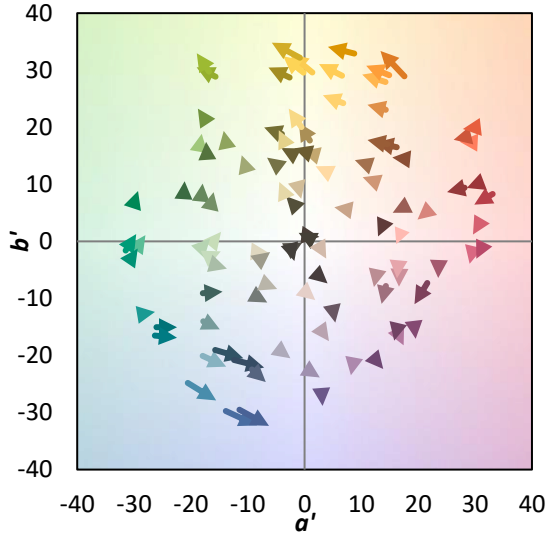


Color Vector Graphics









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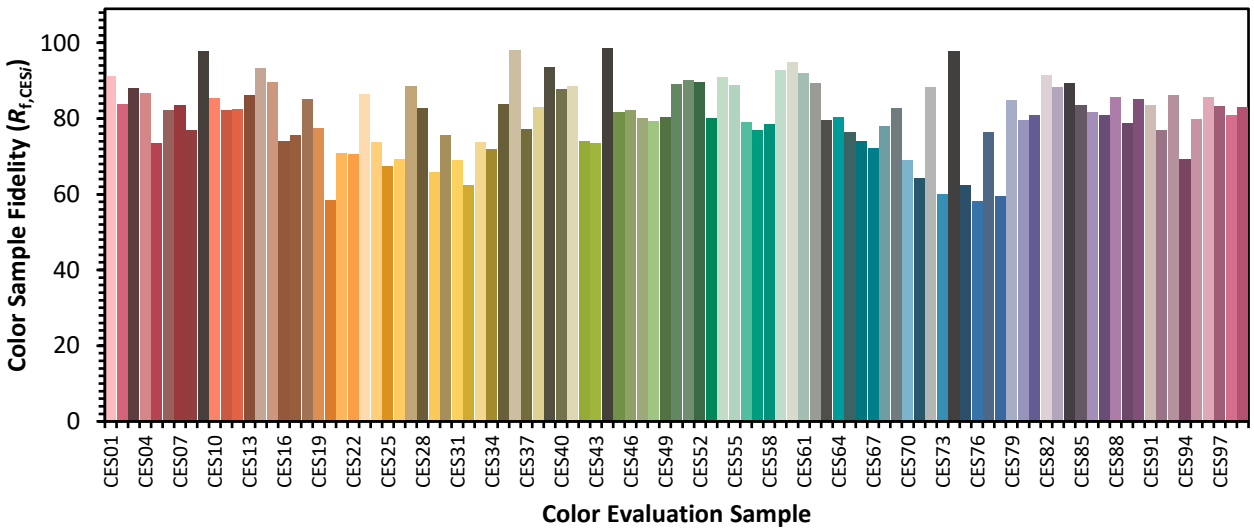
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 69	CES51 = 90	CES76 = 58
CES02 = 61	CES27 = 89	CES52 = 90	CES77 = 76
CES03 = 31	CES28 = 83	CES53 = 80	CES78 = 60
CES04 = 69	CES29 = 66	CES54 = 91	CES79 = 85
CES05 = 48	CES30 = 76	CES55 = 89	CES80 = 79
CES06 = 50	CES31 = 69	CES56 = 79	CES81 = 81
CES07 = 41	CES32 = 62	CES57 = 77	CES82 = 91
CES08 = 40	CES33 = 74	CES58 = 79	CES83 = 88
CES09 = 29	CES34 = 72	CES59 = 93	CES84 = 89
CES10 = 74	CES35 = 84	CES60 = 95	CES85 = 84
CES11 = 57	CES36 = 98	CES61 = 92	CES86 = 82
CES12 = 63	CES37 = 77	CES62 = 89	CES87 = 81
CES13 = 43	CES38 = 83	CES63 = 80	CES88 = 86
CES14 = 74	CES39 = 94	CES64 = 80	CES89 = 79
CES15 = 71	CES40 = 88	CES65 = 77	CES90 = 85
CES16 = 47	CES41 = 89	CES66 = 74	CES91 = 83
CES17 = 49	CES42 = 74	CES67 = 72	CES92 = 77
CES18 = 56	CES43 = 73	CES68 = 78	CES93 = 86
CES19 = 71	CES44 = 98	CES69 = 83	CES94 = 69
CES20 = 65	CES45 = 82	CES70 = 69	CES95 = 80
CES21 = 86	CES46 = 82	CES71 = 64	CES96 = 86
CES22 = 78	CES47 = 80	CES72 = 88	CES97 = 83
CES23 = 91	CES48 = 79	CES73 = 60	CES98 = 81
CES24 = 90	CES49 = 80	CES74 = 98	CES99 = 83
CES25 = 71	CES50 = 89	CES75 = 62	



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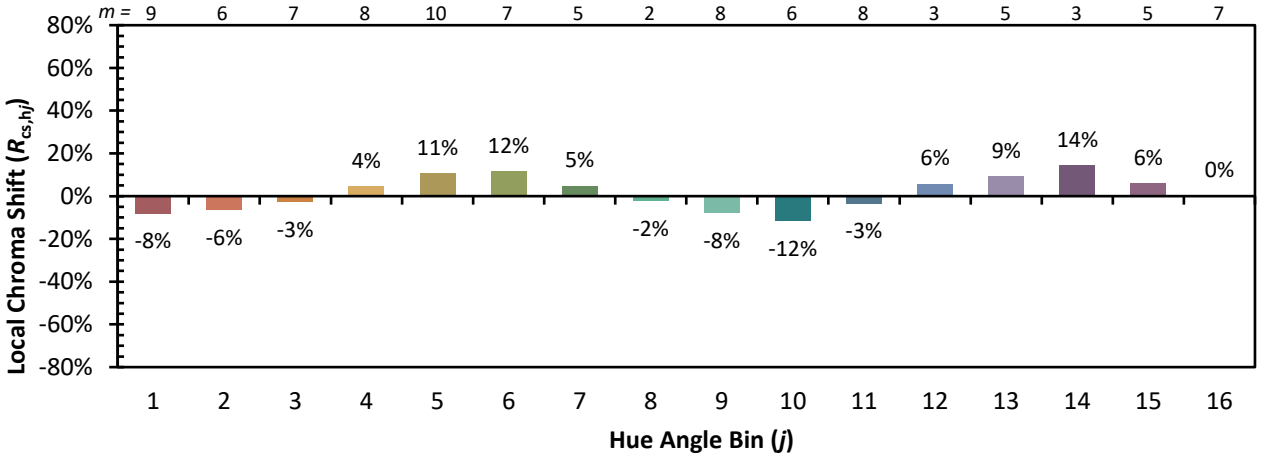
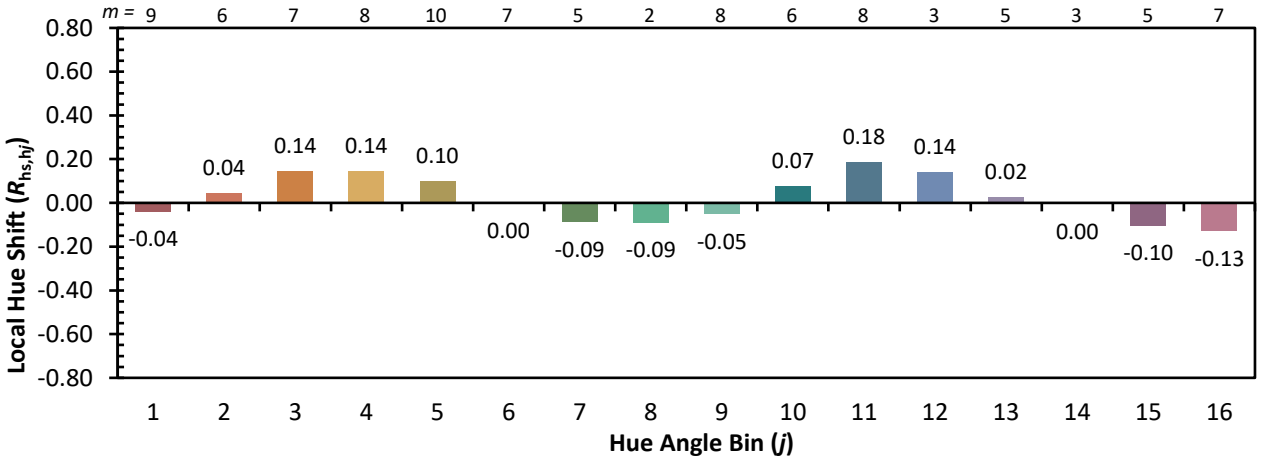
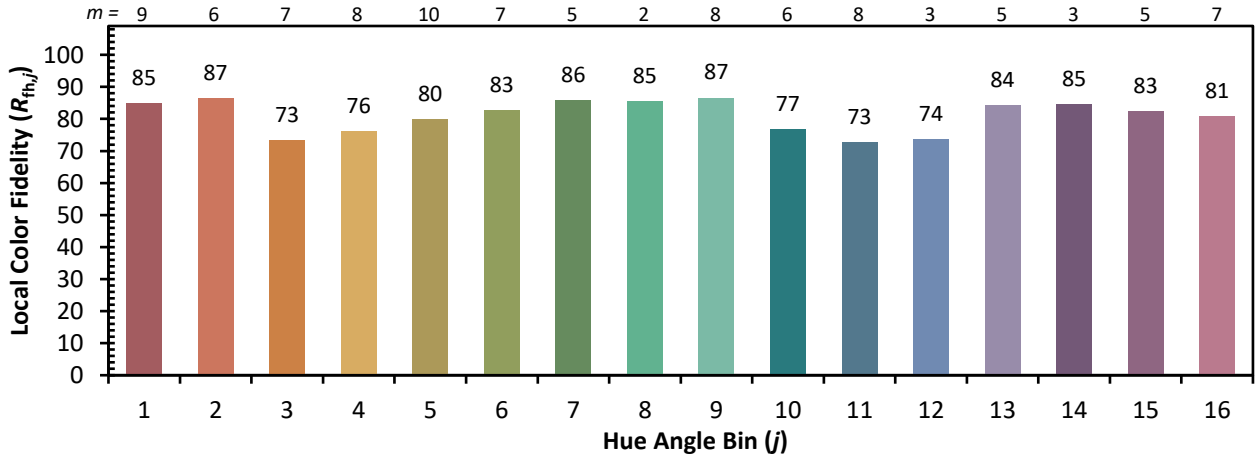
Color Rendition by Hue-Angle Bin







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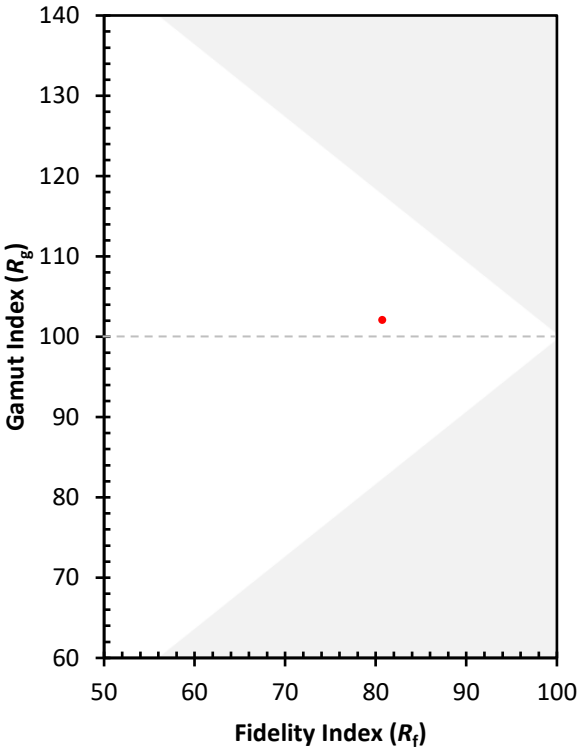
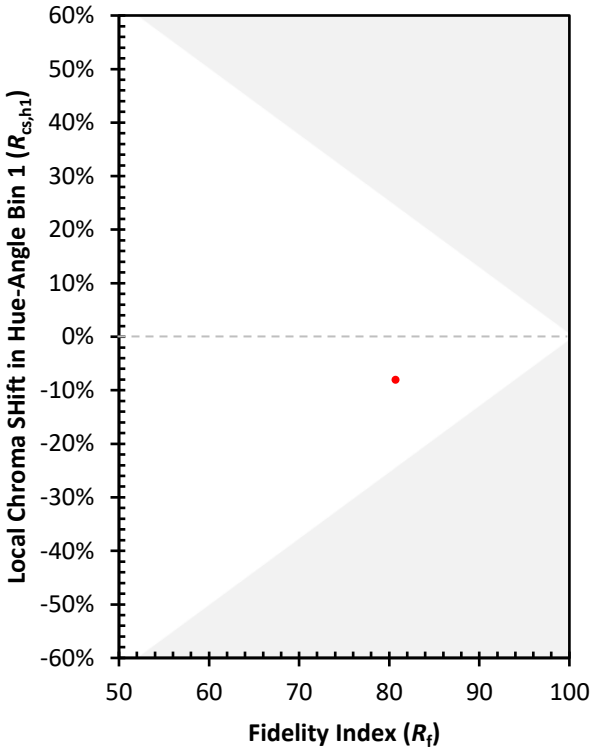
Measure Comparisons





(END OF REPORT)