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: P1436307

Luminaire Tested: EHBR1-42-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:	P1436307
	REPORT IS A COMBINATION OF REPORTS P1436091 AND P1431635
Test Lab:	INNOVATION CENTER
Issue Date:	3/25/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	METALUX
Catalog Number:	EHBR1-42-UNV-M-L840-UPL12
Description:	Elevate Round Highbay at, 42000 lumens, 4000K 80CRI LEDs with M lens
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	42866.4 lumens
Efficiency:	N/A
Efficacy:	184.9 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):	231.8
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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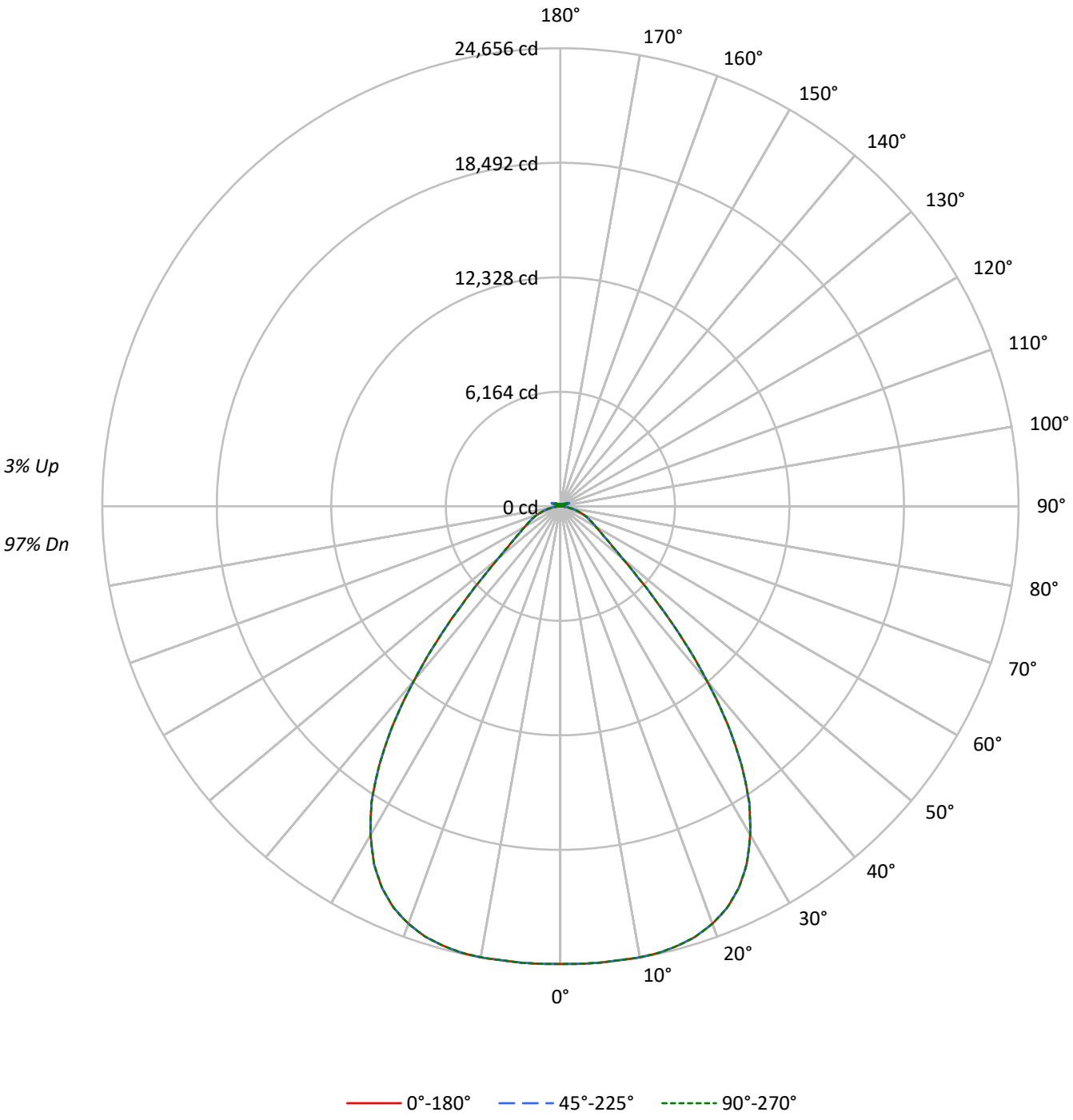
Luminous Intensity Polar Plot



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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	118	118	118	118	115	115	115	115	110	110	110	104	104	104	100	100	100	97
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	91	89	87
2	103	97	92	88	101	95	90	86	91	87	84	88	85	82	85	82	80	78
3	96	88	82	77	94	87	81	76	83	78	74	80	76	73	78	74	71	69
4	90	80	73	68	88	79	73	68	76	71	66	74	69	65	72	68	64	62
5	84	74	66	61	82	72	66	61	70	64	60	68	63	59	66	62	58	56
6	79	68	60	55	77	67	60	55	65	59	54	63	58	53	61	57	53	51
7	74	62	55	50	72	62	55	50	60	54	49	58	53	49	57	52	48	47
8	69	58	51	46	68	57	50	45	56	49	45	54	49	45	53	48	44	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	49	44	41	39
10	62	50	43	39	60	49	43	38	48	42	38	47	42	38	46	41	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	115675	115675	115675
5°	115477	115477	115477
10°	116019	116019	116019
15°	116685	116685	116685
20°	116332	116332	116332
25°	113616	113616	113616
30°	106239	106239	106239
35°	92524	92524	92524
40°	70909	70909	70909
45°	46323	46323	46323
50°	29203	29203	29203
55°	21769	21769	21769
60°	18327	18327	18327
65°	16665	16665	16665
70°	15182	15182	15182
75°	12996	12996	12996
80°	10008	10008	10008
85°	5249	5249	5249

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 46323 cd/sqm

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CATALOG NUMBER: EHBR1-42-UNV-M-L840-UPL12

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2352.6	5.5
10°-20°	6908.9	16.1
20°-30°	10366.5	24.2
30°-40°	10429.8	24.3
40°-50°	5970.3	13.9
50°-60°	2730.7	6.4
60°-70°	1732.6	4.0
70°-80°	971.9	2.3
80°-90°	230.1	0.5
90°-100°	33.4	0.1
100°-110°	209.6	0.5
110°-120°	374.9	0.9
120°-130°	219.9	0.5
130°-140°	134.9	0.3
140°-150°	93.6	0.2
150°-160°	60.8	0.1
160°-170°	34.6	0.1
170°-180°	11.4	0.0
0°-30°	19628.0	45.8
0°-40°	30057.7	70.1
0°-60°	38758.7	90.4
0°-90°	41693.2	97.3
90°-120°	617.9	1.4
90°-150°	1066.4	2.5
90°-180°	1173.0	2.7
0°-180°	42866.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	24632	24632	24632	24632	24632	
5°	24656	24656	24656	24656	24656	2353
15°	24480	24480	24480	24480	24480	6909
25°	22689	22689	22689	22689	22689	10366
35°	16982	16982	16982	16982	16982	10430
45°	7495	7495	7495	7495	7495	5970
55°	2942	2942	2942	2942	2942	2731
65°	1740	1740	1740	1740	1740	1733
75°	916	916	916	916	916	972
85°	180	180	180	180	180	221
90°	9	14	24	15	9	11
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: P1436307
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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	24632.1	24632.1	24632.1	24632.1	24632.1
2.5°	24644.1	24644.1	24644.1	24644.1	24644.1
5°	24656.1	24656.1	24656.1	24656.1	24656.1
7.5°	24639.2	24639.2	24639.2	24639.2	24639.2
10°	24649.8	24649.8	24649.8	24649.8	24649.8
12.5°	24607.5	24607.5	24607.5	24607.5	24607.5
15°	24479.9	24479.9	24479.9	24479.9	24479.9
17.5°	24269.2	24269.2	24269.2	24269.2	24269.2
20°	23909.7	23909.7	23909.7	23909.7	23909.7
22.5°	23415.7	23415.7	23415.7	23415.7	23415.7
25°	22689.0	22689.0	22689.0	22689.0	22689.0
27.5°	21711.4	21711.4	21711.4	21711.4	21711.4
30°	20435.0	20435.0	20435.0	20435.0	20435.0
32.5°	18923.9	18923.9	18923.9	18923.9	18923.9
35°	16981.5	16981.5	16981.5	16981.5	16981.5
37.5°	14781.1	14781.1	14781.1	14781.1	14781.1
40°	12290.3	12290.3	12290.3	12290.3	12290.3
42.5°	9821.4	9821.4	9821.4	9821.4	9821.4
45°	7494.9	7494.9	7494.9	7494.9	7494.9
47.5°	5641.9	5641.9	5641.9	5641.9	5641.9
50°	4352.2	4352.2	4352.2	4352.2	4352.2
52.5°	3516.3	3516.3	3516.3	3516.3	3516.3
55°	2941.8	2941.8	2941.8	2941.8	2941.8
57.5°	2519.0	2519.0	2519.0	2519.0	2519.0
60°	2203.2	2203.2	2203.2	2203.2	2203.2
62.5°	1959.4	1959.4	1959.4	1959.4	1959.4
65°	1739.5	1739.5	1739.5	1739.5	1739.5
67.5°	1537.2	1537.2	1537.2	1537.2	1537.2
70°	1332.1	1332.1	1332.1	1332.1	1332.1
72.5°	1125.6	1125.6	1125.6	1125.6	1125.6
75°	915.5	915.5	915.5	915.5	915.5
77.5°	716.1	716.1	716.1	716.1	716.1
80°	526.5	526.5	526.5	526.5	526.5
82.5°	343.2	343.2	343.2	343.2	343.2
85°	180.4	180.4	180.4	180.4	180.4
87.5°	51.5	51.5	51.5	51.5	51.5
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: P1436307
CATALOG NUMBER: EHBR1-42-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: P1436307
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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	19.16	20.39	19.58	20.76	21.15	19.16	20.39	19.58	20.76	21.15
	3H	20.65	21.74	21.08	22.13	22.56	20.65	21.74	21.08	22.13	22.56
	4H	21.18	22.19	21.63	22.60	23.05	21.18	22.19	21.63	22.60	23.05
	6H	21.50	22.43	21.97	22.86	23.32	21.50	22.43	21.97	22.86	23.32
	8H	21.57	22.46	22.05	22.90	23.37	21.57	22.46	22.05	22.90	23.37
	12H	21.59	22.43	22.07	22.87	23.37	21.59	22.43	22.07	22.87	23.37
4H	2H	19.61	20.62	20.06	21.03	21.48	19.61	20.62	20.06	21.03	21.48
	3H	21.31	22.14	21.77	22.60	23.07	21.31	22.14	21.77	22.60	23.07
	4H	21.94	22.68	22.42	23.16	23.67	21.94	22.68	22.42	23.16	23.67
	6H	22.36	23.01	22.88	23.51	24.04	22.36	23.01	22.88	23.51	24.04
	8H	22.46	23.06	22.97	23.56	24.09	22.46	23.06	22.97	23.56	24.09
	12H	22.49	23.02	23.02	23.55	24.09	22.49	23.02	23.02	23.55	24.09
8H	4H	22.12	22.72	22.63	23.22	23.75	22.12	22.72	22.63	23.22	23.75
	6H	22.63	23.12	23.18	23.66	24.21	22.63	23.12	23.18	23.66	24.21
	8H	22.77	23.20	23.33	23.77	24.32	22.77	23.20	23.33	23.77	24.32
	12H	22.83	23.22	23.40	23.76	24.40	22.83	23.22	23.40	23.76	24.40
12H	4H	22.11	22.64	22.64	23.17	23.71	22.11	22.64	22.64	23.17	23.71
	6H	22.63	23.07	23.20	23.63	24.19	22.63	23.07	23.20	23.63	24.19
	8H	22.80	23.19	23.36	23.73	24.37	22.80	23.19	23.36	23.73	24.37

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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

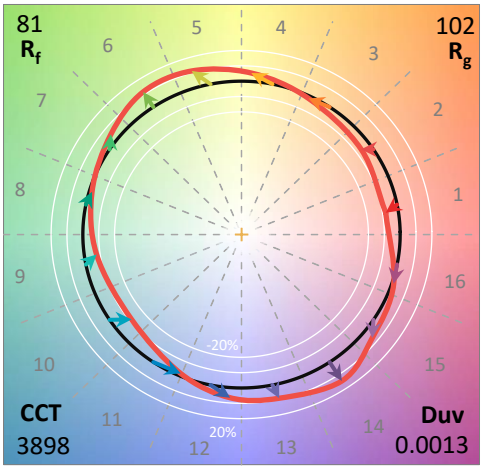
Test Information

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
CIE u':	0.2263
CIE v':	0.5052
Duv:	0.0013
CIE x:	0.3861
CIE y:	0.3831
CIE z:	0.2308
Peak Wavelength (nm):	630
Dominant Wavelength (nm):	578
Purity:	30.85729
Rf:	80.7
Rg:	102.1

CRI (Ra):	82.1				
R1:	84.4	R9:	38.5		
R2:	83.5	R10:	58.9		
R3:	80.8	R11:	83.6		
R4:	83.9	R12:	54.2		
R5:	82.1	R13:	82.8		
R6:	77.3	R14:	88.2		
R7:	86.4	R15:	81.2		
R8:	78.3				



Test Conditions

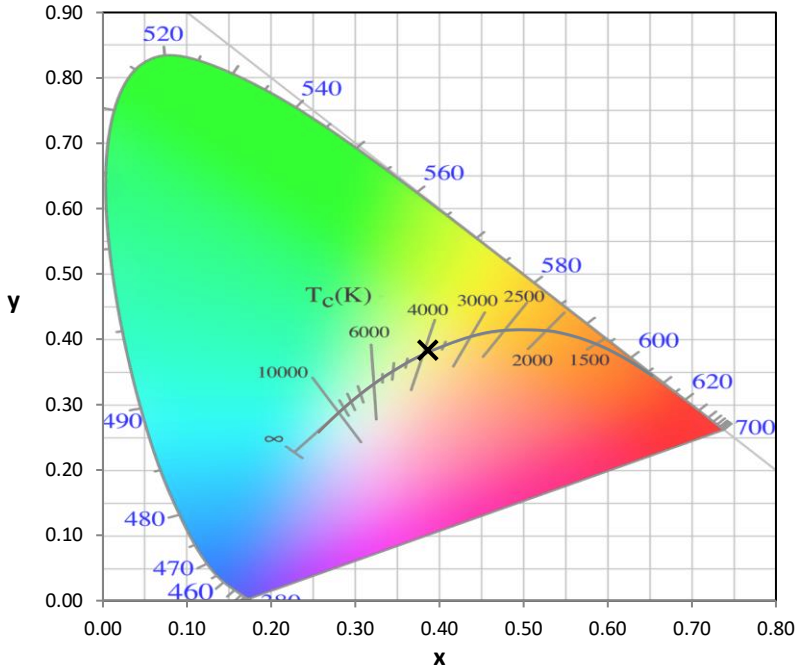
Stabilization Time:	42M
Operation Time:	1H 42M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2506-472-1

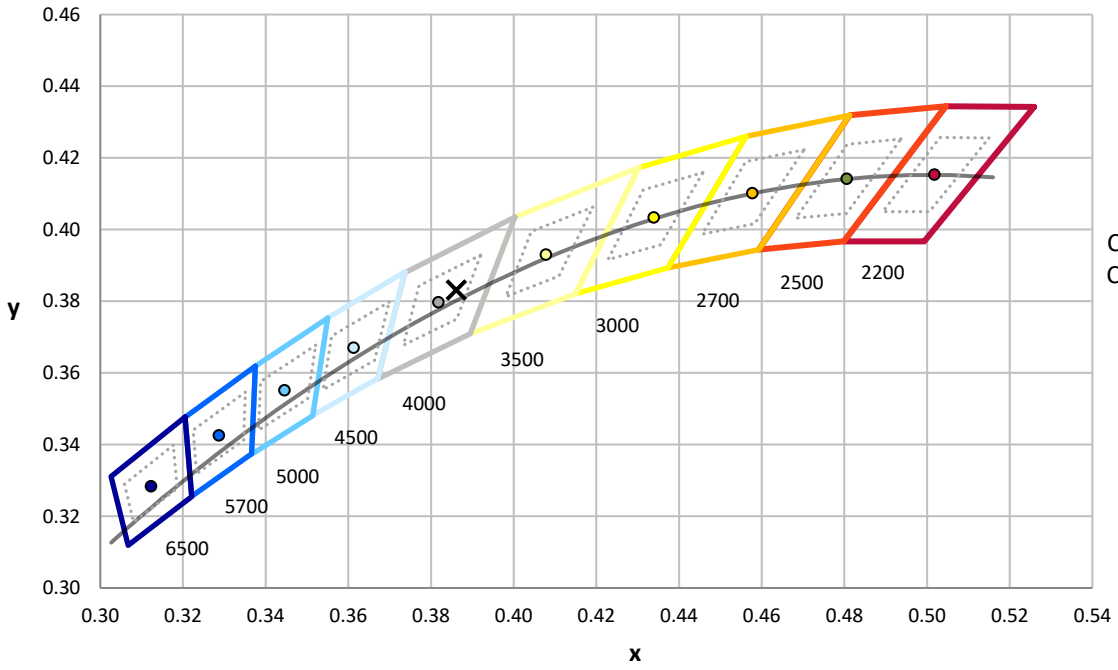
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208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

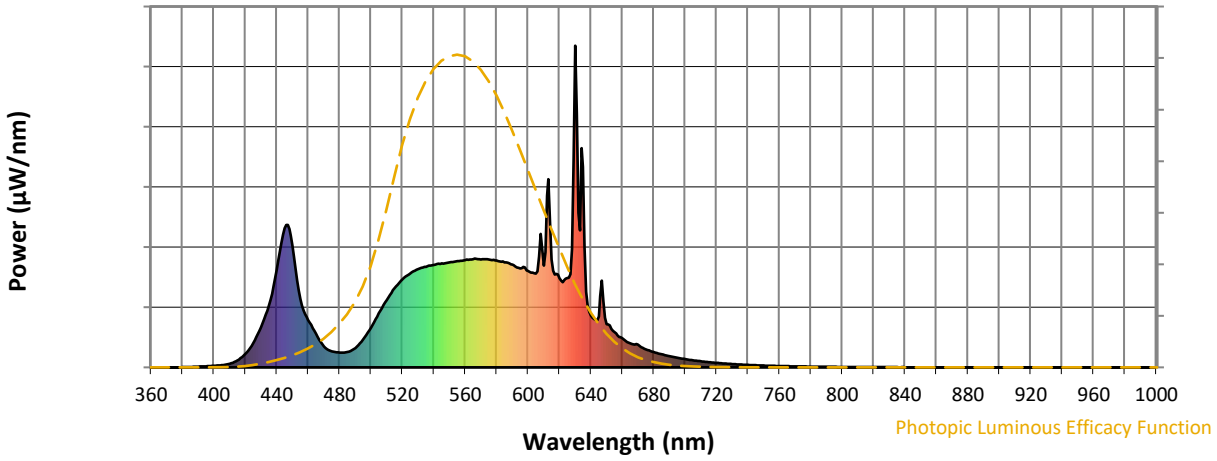


CCT = 3898K
CIE x = 0.3861
CIE y = 0.3831
Duv = 0.0013

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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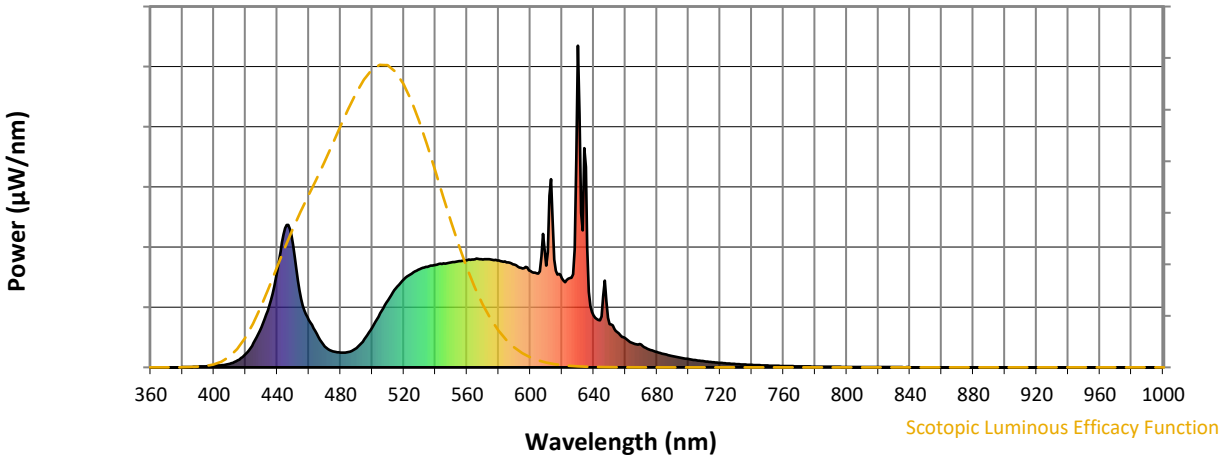
Scotopic Flux vs. Wavelength



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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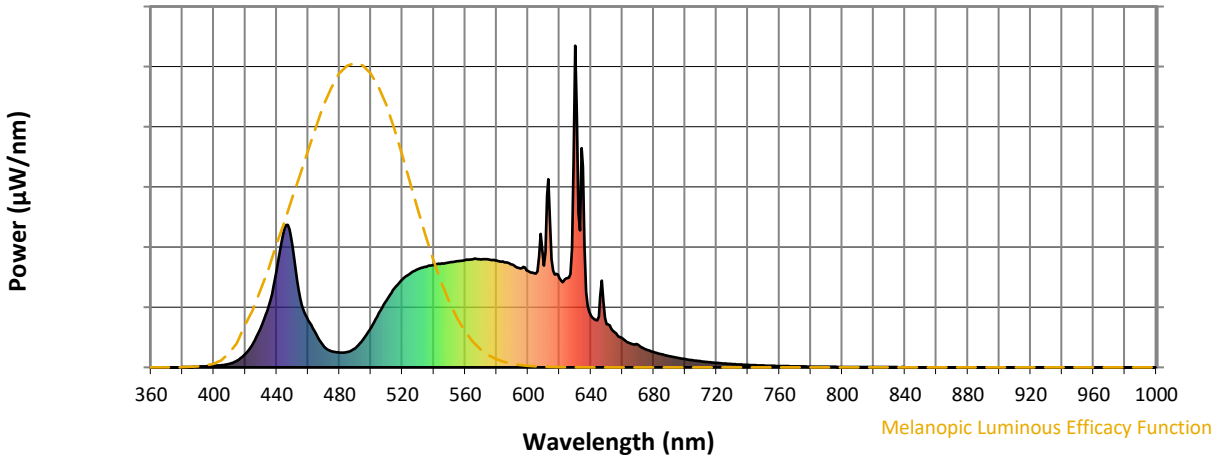
Melanopic Flux vs. Wavelength



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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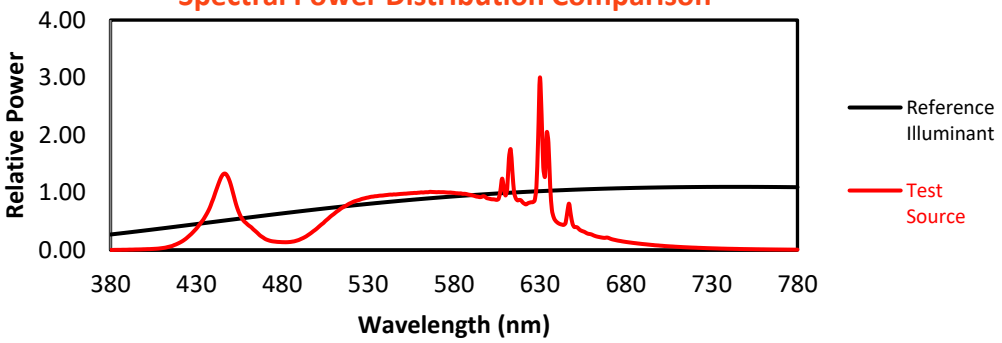
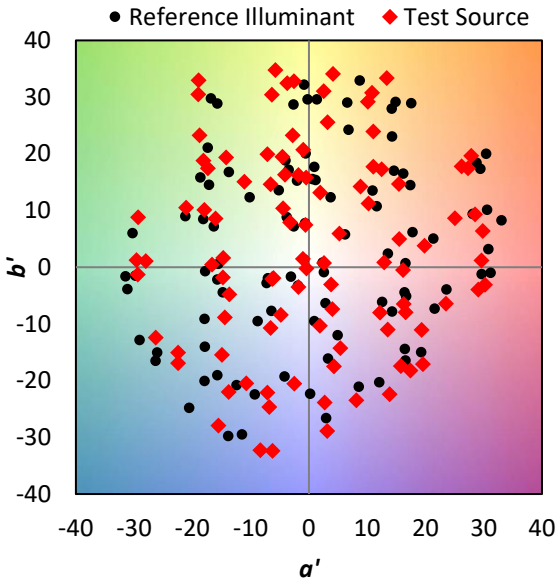
Summary

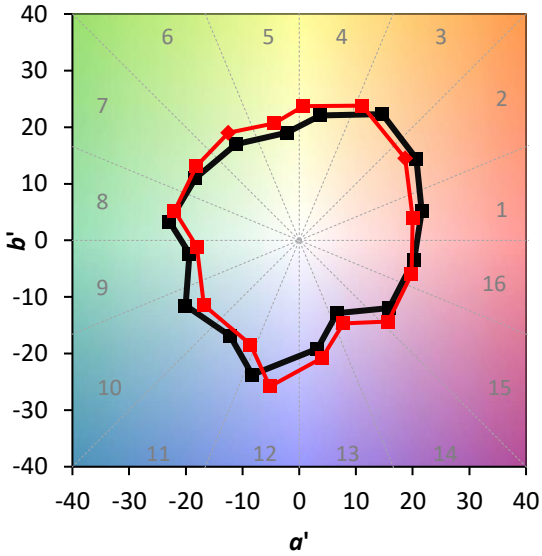
R_f = 80.7
R_g = 102.1
CIE R_a = 82.1
R_9 = 38.5

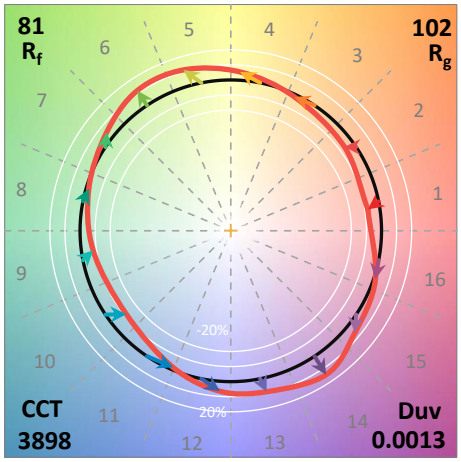
Spectral Power Distribution Comparison

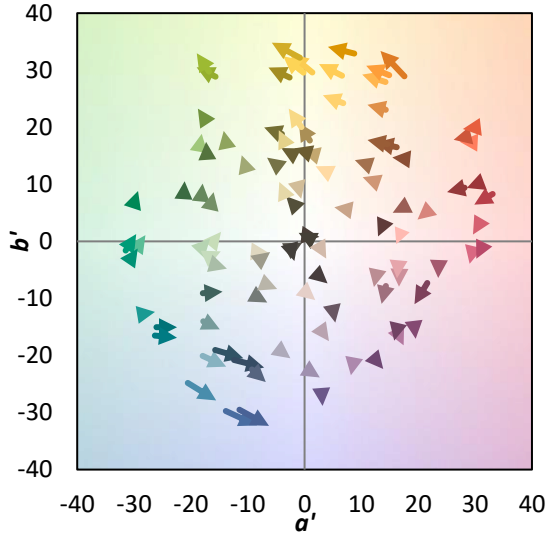


Color Vector Graphics









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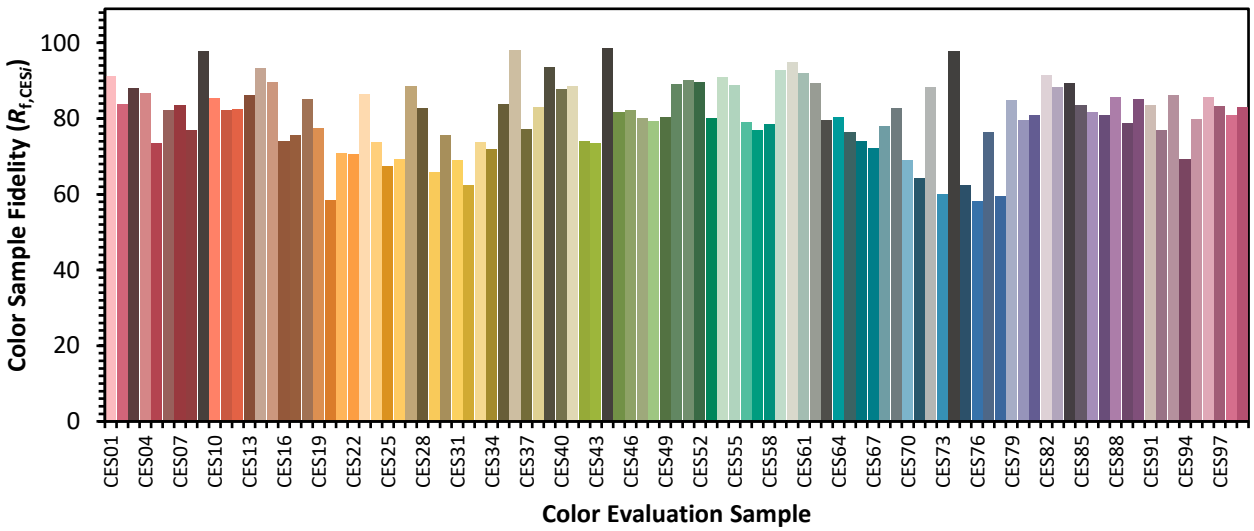
Individual Sample Fidelity Index ($R_{f,i}$)

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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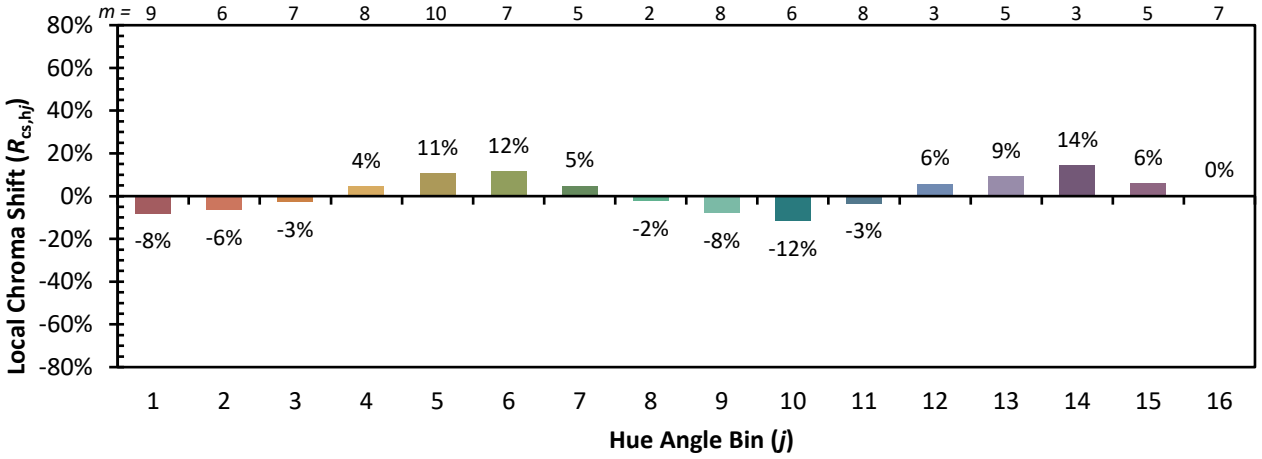
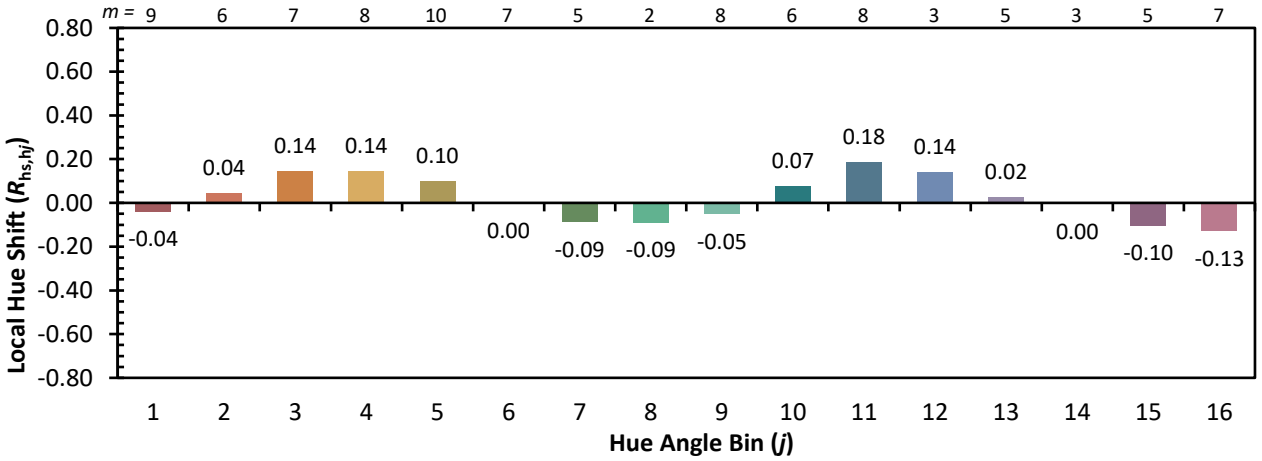
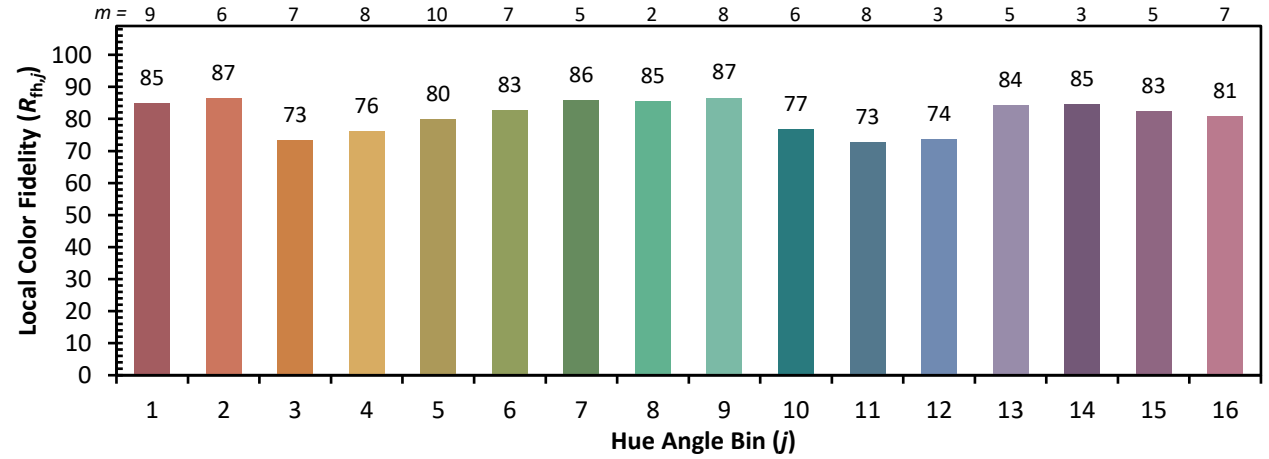
Color Rendition by Hue-Angle Bin







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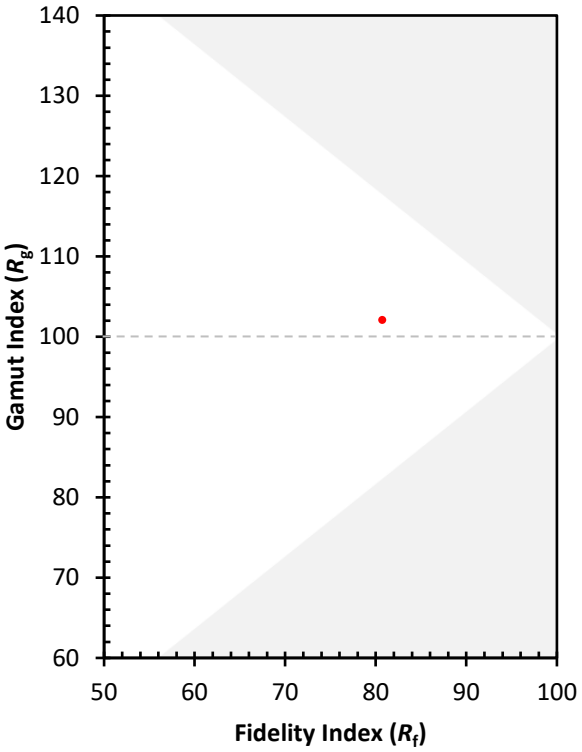
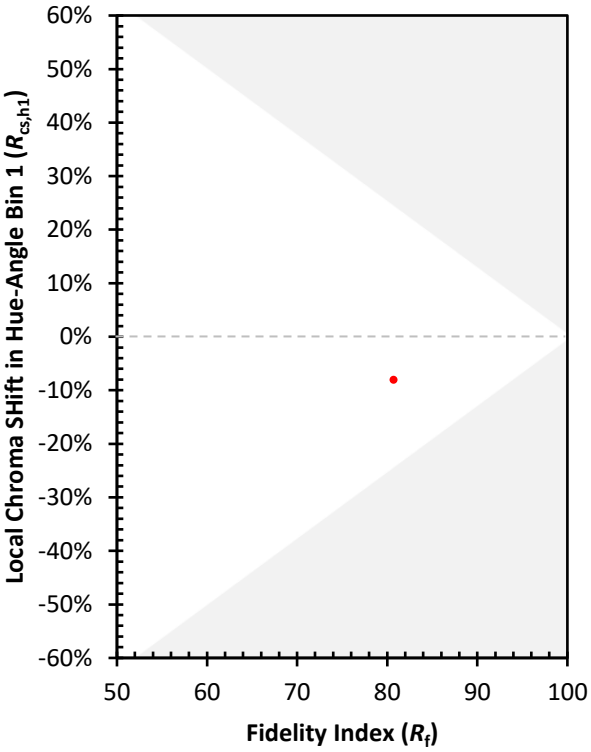
Measure Comparisons





(END OF REPORT)