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: P1432563

Luminaire Tested: EHBR1-12-UNV-N-L835-UPL12

Issue Date: 3/20/2026

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:	P1432563
	REPORT IS A COMBINATION OF REPORTS P1431652 AND P1431635
Test Lab:	INNOVATION CENTER
Issue Date:	3/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	METALUX
Catalog Number:	EHBR1-12-UNV-N-L835-UPL12
Description:	Elevate Round Highbay at, 12000 lumens, 3500K 80CRI LEDs with N lens
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	13223.4 lumens
Efficiency:	N/A
Efficacy:	183.4 lumens/watt
Spacing Criteria (0/90/45):	0.82 / 0.82 / 0.8
Luminous Opening:	Vertical Cylinder (Dia: 1.71' x H: 0.1')
CIE Type:	Direct

Input Watts (W):	72.1
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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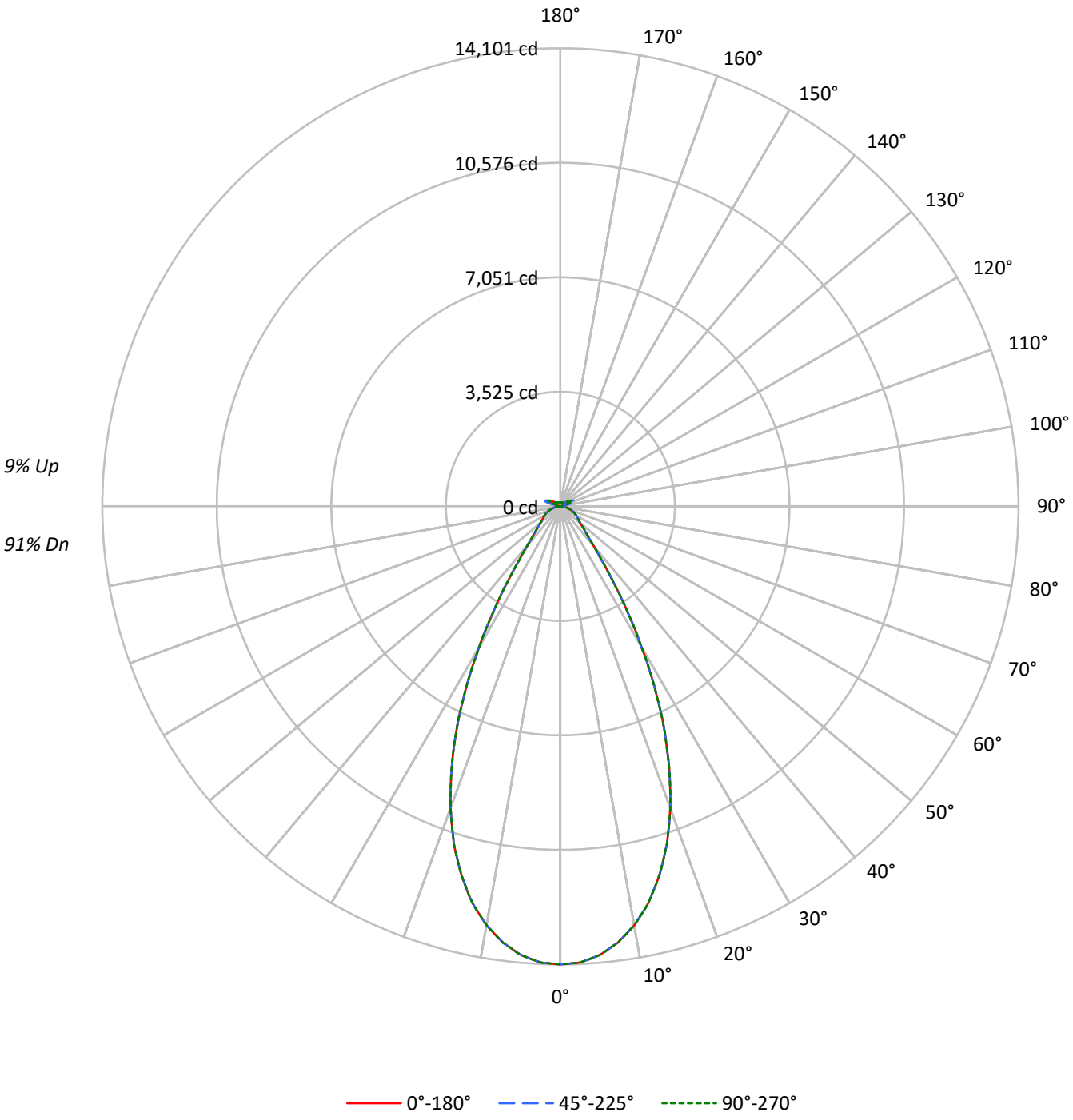
Scaled Data Report

TEST NUMBER: P1432563
CATALOG NUMBER: EHBR1-12-UNV-N-L835-UPL12

Luminous Intensity Polar Plot



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Scaled Data Report

TEST NUMBER: P1432563
CATALOG NUMBER: EHBR1-12-UNV-N-L835-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	117	117	117	117	113	113	113	113	106	106	106	100	100	100	94	94	94	91
1	110	107	104	101	107	104	101	99	98	96	94	93	91	90	88	87	86	83
2	104	98	93	89	100	95	91	87	91	87	84	86	83	81	82	80	78	76
3	97	90	84	80	95	88	83	78	84	80	76	80	77	74	77	74	72	70
4	92	83	77	72	89	81	76	71	78	73	69	75	71	68	72	69	66	64
5	87	77	71	66	84	76	70	65	73	68	64	70	66	63	68	64	61	59
6	82	72	66	61	80	71	65	60	68	63	59	66	62	58	64	60	57	55
7	78	68	61	56	76	66	60	56	64	59	55	62	58	54	61	56	53	52
8	74	63	57	53	72	63	56	52	61	55	52	59	54	51	57	53	50	48
9	70	60	54	49	69	59	53	49	57	52	48	56	51	48	54	50	47	46
10	67	57	50	46	65	56	50	46	54	49	46	53	48	45	52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	66220	66220	66220
5°	64934	64934	64934
10°	61631	61631	61631
15°	56075	56075	56075
20°	48100	48100	48100
25°	37839	37839	37839
30°	25967	25967	25967
35°	15425	15425	15425
40°	9127	9127	9127
45°	6551	6551	6551
50°	5385	5385	5385
55°	4894	4894	4894
60°	4685	4685	4685
65°	4468	4468	4468
70°	4155	4155	4155
75°	3756	3756	3756
80°	3119	3119	3119
85°	1976	1976	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 6551 cd/sqm

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Scaled Data Report

TEST NUMBER: P1432563
CATALOG NUMBER: EHBR1-12-UNV-N-L835-UPL12

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1298.9	9.8
10°-20°	3260.5	24.7
20°-30°	3409.2	25.8
30°-40°	1847.2	14.0
40°-50°	849.8	6.4
50°-60°	598.9	4.5
60°-70°	460.9	3.5
70°-80°	279.4	2.1
80°-90°	80.7	0.6
90°-100°	32.5	0.2
100°-110°	203.3	1.5
110°-120°	363.5	2.7
120°-130°	213.3	1.6
130°-140°	130.8	1.0
140°-150°	90.7	0.7
150°-160°	59.0	0.4
160°-170°	33.6	0.3
170°-180°	11.1	0.1
0°-30°	7968.7	60.3
0°-40°	9815.9	74.2
0°-60°	11264.6	85.2
0°-90°	12085.6	91.4
90°-120°	599.3	4.5
90°-150°	1034.1	7.8
90°-180°	1138.0	8.6
0°-180°	13223.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14101	14101	14101	14101	14101	
5°	13864	13864	13864	13864	13864	1299
15°	11764	11764	11764	11764	11764	3261
25°	7556	7556	7556	7556	7556	3409
35°	2831	2831	2831	2831	2831	1847
45°	1060	1060	1060	1060	1060	850
55°	661	661	661	661	661	599
65°	466	466	466	466	466	461
75°	265	265	265	265	265	279
85°	68	68	68	68	68	75
90°	9	14	24	15	9	7
95°	14	24	53	26	16	14
105°	71	140	358	154	94	95
115°	327	344	423	405	402	301
125°	236	220	226	229	257	215
135°	172	167	173	162	162	135
145°	141	139	148	146	145	90
155°	124	122	128	128	128	58
165°	116	116	119	119	118	33
175°	115	115	117	117	117	11
180°	116	116	116	116	116	

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Scaled Data Report

TEST NUMBER: P1432563
CATALOG NUMBER: EHBR1-12-UNV-N-L835-UPL12

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	14101.0	14101.0	14101.0	14101.0	14101.0
2.5°	14051.1	14051.1	14051.1	14051.1	14051.1
5°	13864.5	13864.5	13864.5	13864.5	13864.5
7.5°	13546.1	13546.1	13546.1	13546.1	13546.1
10°	13094.3	13094.3	13094.3	13094.3	13094.3
12.5°	12510.3	12510.3	12510.3	12510.3	12510.3
15°	11764.3	11764.3	11764.3	11764.3	11764.3
17.5°	10898.9	10898.9	10898.9	10898.9	10898.9
20°	9886.0	9886.0	9886.0	9886.0	9886.0
22.5°	8758.3	8758.3	8758.3	8758.3	8758.3
25°	7556.4	7556.4	7556.4	7556.4	7556.4
27.5°	6282.1	6282.1	6282.1	6282.1	6282.1
30°	4994.7	4994.7	4994.7	4994.7	4994.7
32.5°	3833.3	3833.3	3833.3	3833.3	3833.3
35°	2831.1	2831.1	2831.1	2831.1	2831.1
37.5°	2078.7	2078.7	2078.7	2078.7	2078.7
40°	1581.9	1581.9	1581.9	1581.9	1581.9
42.5°	1268.5	1268.5	1268.5	1268.5	1268.5
45°	1060.0	1060.0	1060.0	1060.0	1060.0
47.5°	909.9	909.9	909.9	909.9	909.9
50°	802.6	802.6	802.6	802.6	802.6
52.5°	724.3	724.3	724.3	724.3	724.3
55°	661.4	661.4	661.4	661.4	661.4
57.5°	610.4	610.4	610.4	610.4	610.4
60°	563.2	563.2	563.2	563.2	563.2
62.5°	516.1	516.1	516.1	516.1	516.1
65°	466.4	466.4	466.4	466.4	466.4
67.5°	415.8	415.8	415.8	415.8	415.8
70°	364.6	364.6	364.6	364.6	364.6
72.5°	314.9	314.9	314.9	314.9	314.9
75°	264.6	264.6	264.6	264.6	264.6
77.5°	215.5	215.5	215.5	215.5	215.5
80°	164.1	164.1	164.1	164.1	164.1
82.5°	114.8	114.8	114.8	114.8	114.8
85°	67.9	67.9	67.9	67.9	67.9
87.5°	24.3	24.3	24.3	24.3	24.3
90°	8.8	14.1	23.9	15.3	8.8
92.5°	12.4	20.8	37.8	19.5	11.1
95°	14.4	24.0	52.8	26.1	16.3
97.5°	18.2	26.7	60.6	31.9	25.4
100°	24.0	31.2	94.4	39.1	33.8
102.5°	41.0	66.4	200.6	73.6	51.5
105°	71.0	140.0	357.5	154.4	93.8
107.5°	123.1	250.8	471.5	273.6	177.8
110°	229.9	332.8	494.4	375.8	284.6

TEST NUMBER: P1432563
CATALOG NUMBER: EHBR1-12-UNV-N-L835-UPL12

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	*310.7*	357.5	473.5	414.8	370.5
115°	*327.0*	343.9	422.7	405.0	402.5
117.5°	*315.8*	313.9	358.9	364.0	388.9
120°	*292.5*	279.4	299.5	317.8	351.0
122.5°	*263.1*	247.5	256.6	270.3	303.5
125°	*235.7*	220.1	226.0	229.2	257.3
127.5°	*211.7*	201.2	204.5	200.6	218.2
130°	*195.4*	186.3	190.8	181.7	190.2
132.5°	*181.7*	175.8	181.0	170.0	172.6
135°	*171.9*	166.7	172.6	162.1	161.6
137.5°	*163.5*	158.9	164.8	157.0	155.0
140°	*155.6*	151.8	158.3	152.4	151.1
142.5°	*147.2*	144.6	152.4	148.5	147.2
145°	*141.3*	139.3	147.9	145.8	145.3
147.5°	*136.1*	134.8	142.6	142.0	142.0
150°	*131.6*	130.2	138.1	137.4	138.1
152.5°	*127.0*	125.7	132.9	132.2	132.9
155°	*123.7*	122.5	128.3	128.3	128.3
157.5°	*121.1*	120.4	125.1	125.1	125.1
160°	*119.2*	118.5	122.5	122.5	121.8
162.5°	*117.2*	116.6	121.1	120.4	120.4
165°	*115.9*	115.9	119.2	119.2	118.5
167.5°	*115.9*	115.3	118.5	118.5	117.9
170°	*115.3*	115.3	117.9	117.2	116.6
172.5°	*115.3*	115.3	117.9	117.2	116.6
175°	*114.6*	114.6	116.6	116.6	116.6
177.5°	*115.3*	115.3	116.6	116.6	115.9
180°	*115.9*	115.9	115.9	115.9	115.9

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Scaled Data Report

TEST NUMBER: P1432563
CATALOG NUMBER: EHBR1-12-UNV-N-L835-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	13.30	14.34	13.82	14.83	15.36	13.30	14.34	13.82	14.83	15.36
	3H	15.08	16.00	15.61	16.51	17.08	15.08	16.00	15.61	16.51	17.08
	4H	15.73	16.60	16.29	17.12	17.71	15.73	16.60	16.29	17.12	17.71
	6H	16.19	16.99	16.76	17.52	18.12	16.19	16.99	16.76	17.52	18.12
	8H	16.31	17.06	16.89	17.62	18.23	16.31	17.06	16.89	17.62	18.23
	12H	16.37	17.08	16.95	17.63	18.26	16.37	17.08	16.95	17.63	18.26
4H	2H	13.84	14.70	14.39	15.22	15.81	13.84	14.70	14.39	15.22	15.81
	3H	15.81	16.52	16.37	17.09	17.69	15.81	16.52	16.37	17.09	17.69
	4H	16.58	17.22	17.16	17.80	18.44	16.58	17.22	17.16	17.80	18.44
	6H	17.15	17.70	17.76	18.30	18.97	17.15	17.70	17.76	18.30	18.97
	8H	17.31	17.82	17.92	18.42	19.09	17.31	17.82	17.92	18.42	19.09
	12H	17.39	17.84	18.02	18.47	19.14	17.39	17.84	18.02	18.47	19.14
8H	4H	16.81	17.32	17.42	17.92	18.59	16.81	17.32	17.42	17.92	18.59
	6H	17.49	17.91	18.13	18.55	19.23	17.49	17.91	18.13	18.55	19.23
	8H	17.71	18.08	18.37	18.74	19.43	17.71	18.08	18.37	18.74	19.43
	12H	17.85	18.17	18.51	18.81	19.57	17.85	18.17	18.51	18.81	19.57
12H	4H	16.80	17.26	17.43	17.89	18.56	16.80	17.26	17.43	17.89	18.56
	6H	17.51	17.88	18.18	18.54	19.23	17.51	17.88	18.18	18.54	19.23
	8H	17.78	18.10	18.43	18.74	19.50	17.78	18.10	18.43	18.74	19.50

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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: SP1-2506-472-3

Test Date: 07/31/2025

Luminaire Tested: EHBR-60-L835-N

Data in this report applies to families of products including EHBR-60-L835-N

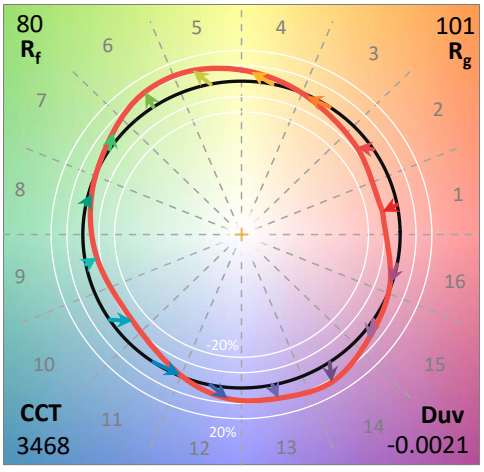
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2506-472-3
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-L835-N**
Description:	Elevate Round Highbay at, 60000 lumens, 3500K 80CRI LEDs with N lens

Spectral Parameters

CCT (K):	3468	CRI (Ra):	82.1		
CIE u':	0.2375	R1:	82.9	R9:	27.6
CIE v':	0.5091	R2:	85.6	R10:	63.8
Duv:	-0.0021	R3:	85.9	R11:	81.2
CIE x:	0.4049	R4:	82.8	R12:	57.2
CIE y:	0.3856	R5:	81.0	R13:	82.6
CIE z:	0.2095	R6:	79.7	R14:	91.0
Peak Wavelength (nm):	630	R7:	86.5	R15:	79.4
Dominant Wavelength (nm):	581	R8:	72.1		
Purity:	37.24544				
Rf:	80.1				
Rg:	101				



Test Conditions

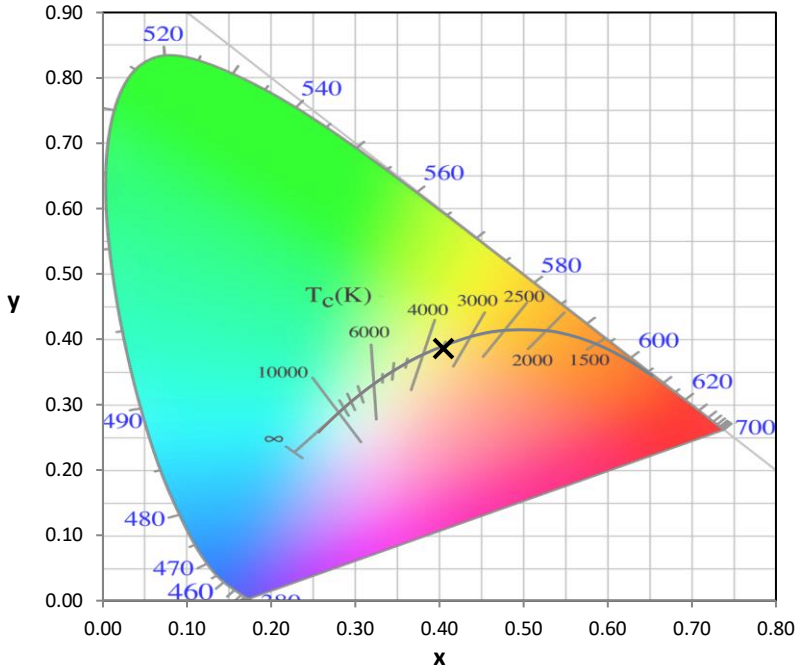
Stabilization Time:	39M
Operation Time:	1H 39M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2506-472-3

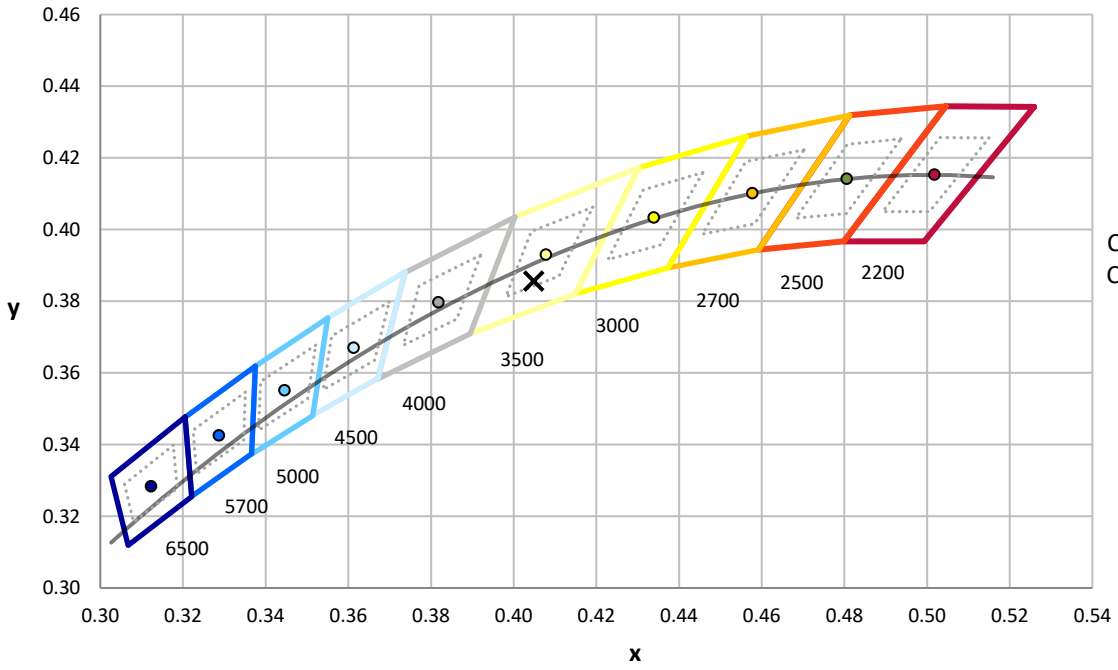
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208	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: SP1-2506-472-3

CIE 1931 Chromaticity Diagram



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

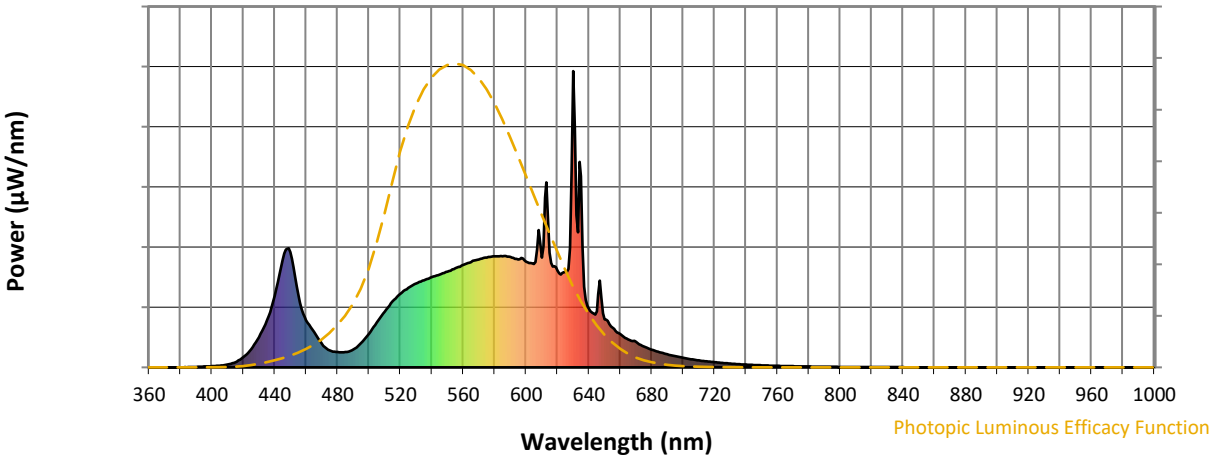


CCT = 3468K
CIE x = 0.4049
CIE y = 0.3856
Duv = -0.0021

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-3

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	327	NR	750	7	NR	880	0	NR
365	0	NR	495	82	NR	625	322	NR	755	6	NR	885	0	NR
370	0	NR	500	114	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	152	NR	635	645	NR	765	4	NR	895	0	NR
380	0	NR	510	189	NR	640	197	NR	770	4	NR	900	0	NR
385	1	NR	515	222	NR	645	189	NR	775	3	NR	905	0	NR
390	2	NR	520	248	NR	650	163	NR	780	3	NR	910	0	NR
395	3	NR	525	268	NR	655	134	NR	785	2	NR	915	0	NR
400	4	NR	530	283	NR	660	113	NR	790	2	NR	920	0	NR
405	6	NR	535	294	NR	665	94	NR	795	2	NR	925	0	NR
410	9	NR	540	305	NR	670	87	NR	800	2	NR	930	0	NR
415	18	NR	545	314	NR	675	70	NR	805	1	NR	935	0	NR
420	34	NR	550	323	NR	680	60	NR	810	1	NR	940	0	NR
425	62	NR	555	335	NR	685	51	NR	815	1	NR	945	0	NR
430	102	NR	560	346	NR	690	44	NR	820	1	NR	950	0	NR
435	159	NR	565	356	NR	695	38	NR	825	1	NR	955	0	NR
440	241	NR	570	364	NR	700	32	NR	830	1	NR	960	0	NR
445	363	NR	575	371	NR	705	28	NR	835	1	NR	965	0	NR
450	389	NR	580	375	NR	710	24	NR	840	1	NR	970	0	NR
455	245	NR	585	375	NR	715	20	NR	845	0	NR	975	0	NR
460	158	NR	590	373	NR	720	17	NR	850	0	NR	980	0	NR
465	120	NR	595	364	NR	725	15	NR	855	0	NR	985	0	NR
470	79	NR	600	357	NR	730	13	NR	860	0	NR	990	0	NR
475	57	NR	605	349	NR	735	11	NR	865	0	NR	995	0	NR
480	51	NR	610	371	NR	740	9	NR	870	0	NR	1000	0	NR
485	51	NR	615	387	NR	745	8	NR	875	0	NR			

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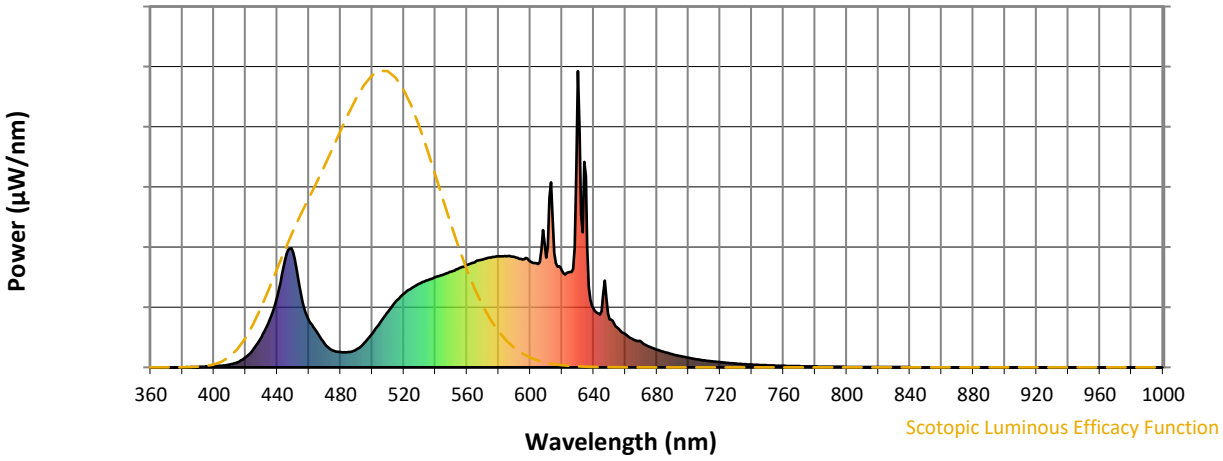
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.43**

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	327	NR	750	7	NR	880	0	NR
365	0	NR	495	82	NR	625	322	NR	755	6	NR	885	0	NR
370	0	NR	500	114	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	152	NR	635	645	NR	765	4	NR	895	0	NR
380	0	NR	510	189	NR	640	197	NR	770	4	NR	900	0	NR
385	1	NR	515	222	NR	645	189	NR	775	3	NR	905	0	NR
390	2	NR	520	248	NR	650	163	NR	780	3	NR	910	0	NR
395	3	NR	525	268	NR	655	134	NR	785	2	NR	915	0	NR
400	4	NR	530	283	NR	660	113	NR	790	2	NR	920	0	NR
405	6	NR	535	294	NR	665	94	NR	795	2	NR	925	0	NR
410	9	NR	540	305	NR	670	87	NR	800	2	NR	930	0	NR
415	18	NR	545	314	NR	675	70	NR	805	1	NR	935	0	NR
420	34	NR	550	323	NR	680	60	NR	810	1	NR	940	0	NR
425	62	NR	555	335	NR	685	51	NR	815	1	NR	945	0	NR
430	102	NR	560	346	NR	690	44	NR	820	1	NR	950	0	NR
435	159	NR	565	356	NR	695	38	NR	825	1	NR	955	0	NR
440	241	NR	570	364	NR	700	32	NR	830	1	NR	960	0	NR
445	363	NR	575	371	NR	705	28	NR	835	1	NR	965	0	NR
450	389	NR	580	375	NR	710	24	NR	840	1	NR	970	0	NR
455	245	NR	585	375	NR	715	20	NR	845	0	NR	975	0	NR
460	158	NR	590	373	NR	720	17	NR	850	0	NR	980	0	NR
465	120	NR	595	364	NR	725	15	NR	855	0	NR	985	0	NR
470	79	NR	600	357	NR	730	13	NR	860	0	NR	990	0	NR
475	57	NR	605	349	NR	735	11	NR	865	0	NR	995	0	NR
480	51	NR	610	371	NR	740	9	NR	870	0	NR	1000	0	NR
485	51	NR	615	387	NR	745	8	NR	875	0	NR			

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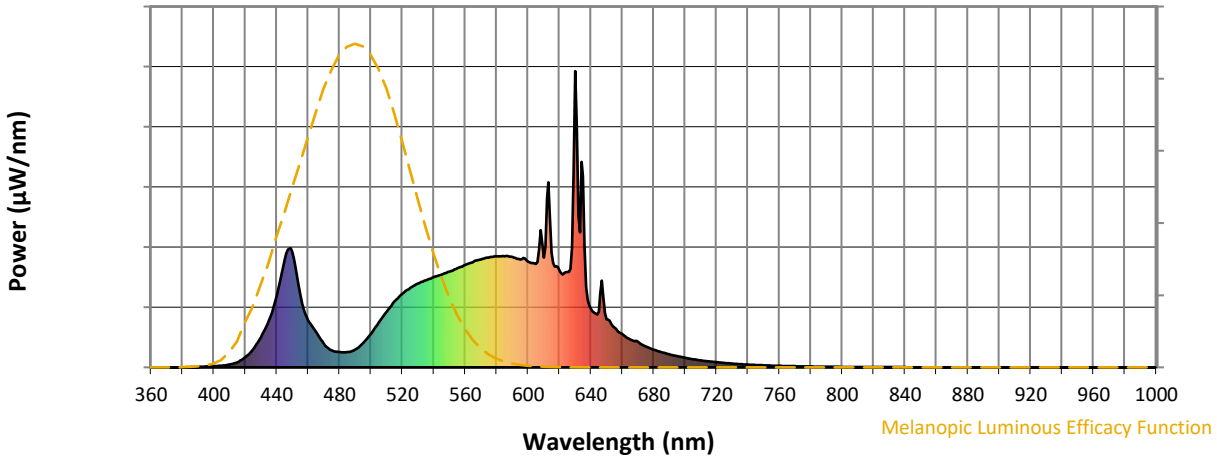
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.75**

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	327	NR	750	7	NR	880	0	NR
365	0	NR	495	82	NR	625	322	NR	755	6	NR	885	0	NR
370	0	NR	500	114	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	152	NR	635	645	NR	765	4	NR	895	0	NR
380	0	NR	510	189	NR	640	197	NR	770	4	NR	900	0	NR
385	1	NR	515	222	NR	645	189	NR	775	3	NR	905	0	NR
390	2	NR	520	248	NR	650	163	NR	780	3	NR	910	0	NR
395	3	NR	525	268	NR	655	134	NR	785	2	NR	915	0	NR
400	4	NR	530	283	NR	660	113	NR	790	2	NR	920	0	NR
405	6	NR	535	294	NR	665	94	NR	795	2	NR	925	0	NR
410	9	NR	540	305	NR	670	87	NR	800	2	NR	930	0	NR
415	18	NR	545	314	NR	675	70	NR	805	1	NR	935	0	NR
420	34	NR	550	323	NR	680	60	NR	810	1	NR	940	0	NR
425	62	NR	555	335	NR	685	51	NR	815	1	NR	945	0	NR
430	102	NR	560	346	NR	690	44	NR	820	1	NR	950	0	NR
435	159	NR	565	356	NR	695	38	NR	825	1	NR	955	0	NR
440	241	NR	570	364	NR	700	32	NR	830	1	NR	960	0	NR
445	363	NR	575	371	NR	705	28	NR	835	1	NR	965	0	NR
450	389	NR	580	375	NR	710	24	NR	840	1	NR	970	0	NR
455	245	NR	585	375	NR	715	20	NR	845	0	NR	975	0	NR
460	158	NR	590	373	NR	720	17	NR	850	0	NR	980	0	NR
465	120	NR	595	364	NR	725	15	NR	855	0	NR	985	0	NR
470	79	NR	600	357	NR	730	13	NR	860	0	NR	990	0	NR
475	57	NR	605	349	NR	735	11	NR	865	0	NR	995	0	NR
480	51	NR	610	371	NR	740	9	NR	870	0	NR	1000	0	NR
485	51	NR	615	387	NR	745	8	NR	875	0	NR			

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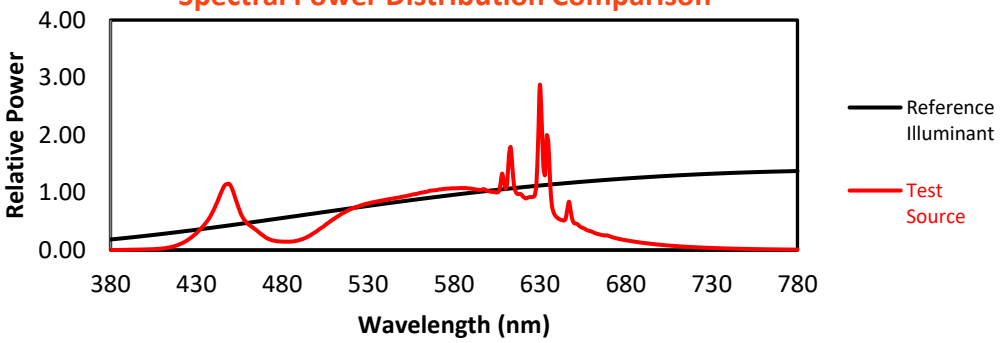
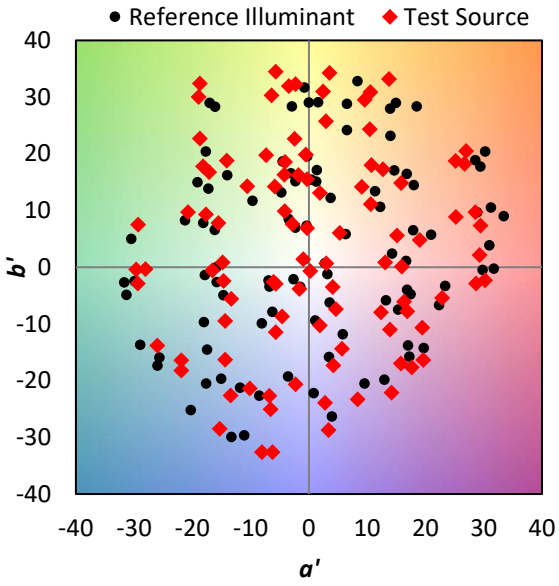
Summary

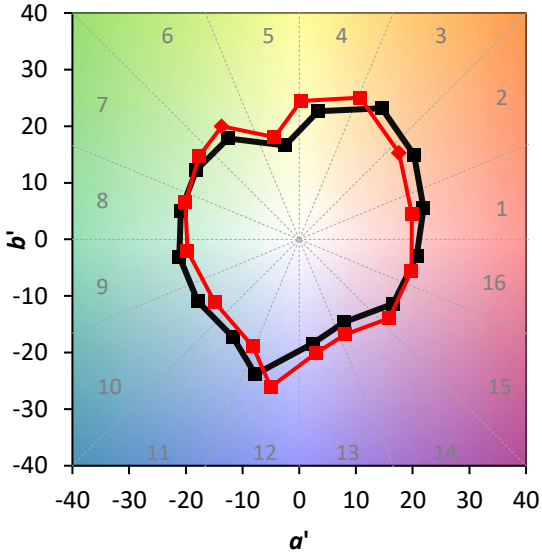
R_f = 80.1
R_g = 101
CIE R_a = 82.1
R_9 = 27.6

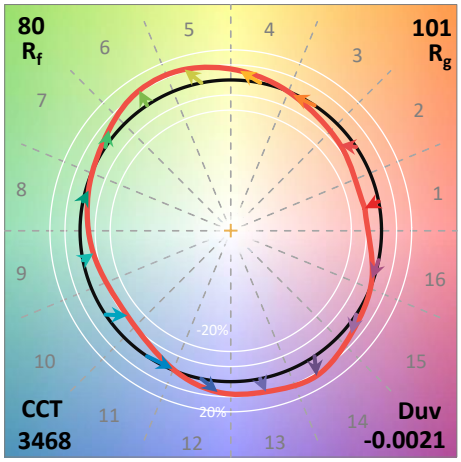
Spectral Power Distribution Comparison

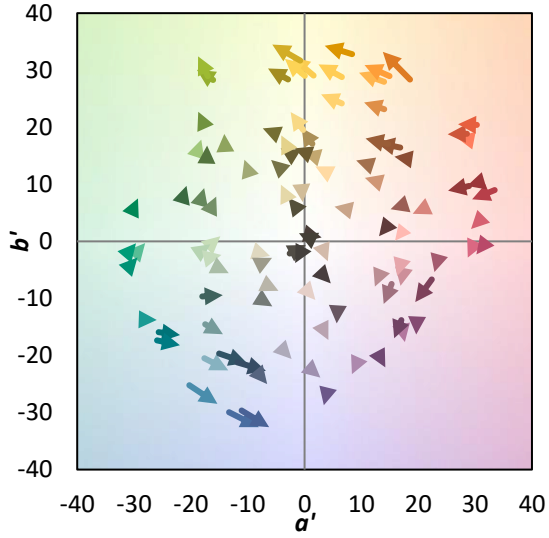


Color Vector Graphics









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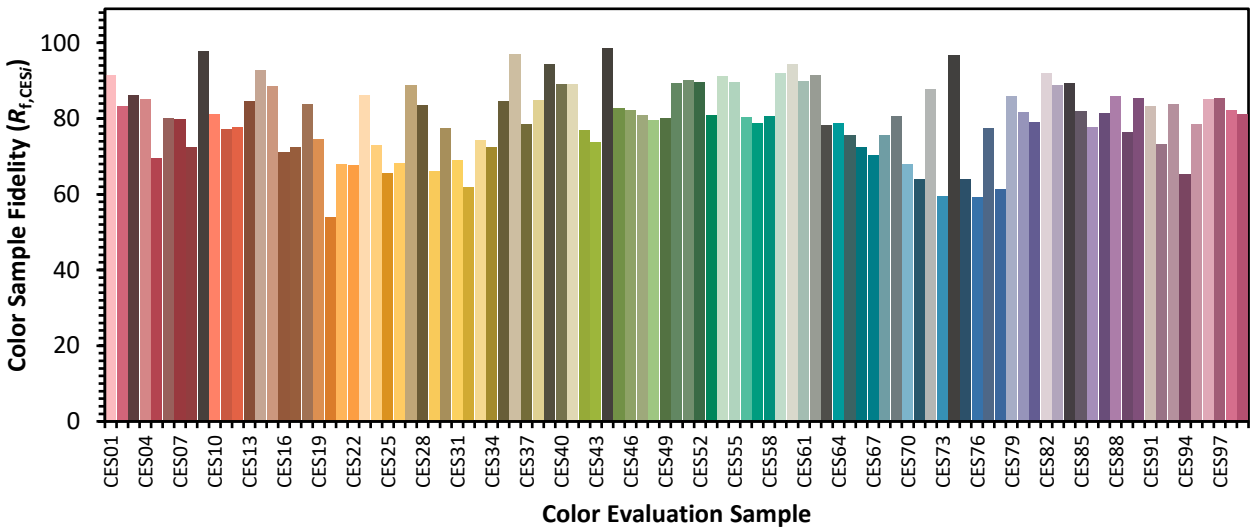
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 68	CES51 = 90	CES76 = 59
CES02 = 62	CES27 = 89	CES52 = 90	CES77 = 78
CES03 = 31	CES28 = 84	CES53 = 81	CES78 = 61
CES04 = 70	CES29 = 66	CES54 = 91	CES79 = 86
CES05 = 49	CES30 = 77	CES55 = 90	CES80 = 82
CES06 = 51	CES31 = 69	CES56 = 80	CES81 = 79
CES07 = 42	CES32 = 62	CES57 = 79	CES82 = 92
CES08 = 41	CES33 = 74	CES58 = 81	CES83 = 89
CES09 = 29	CES34 = 72	CES59 = 92	CES84 = 89
CES10 = 75	CES35 = 85	CES60 = 94	CES85 = 82
CES11 = 58	CES36 = 97	CES61 = 90	CES86 = 78
CES12 = 64	CES37 = 79	CES62 = 92	CES87 = 82
CES13 = 43	CES38 = 85	CES63 = 78	CES88 = 86
CES14 = 74	CES39 = 94	CES64 = 79	CES89 = 76
CES15 = 71	CES40 = 89	CES65 = 76	CES90 = 85
CES16 = 47	CES41 = 89	CES66 = 73	CES91 = 83
CES17 = 49	CES42 = 77	CES67 = 70	CES92 = 73
CES18 = 56	CES43 = 74	CES68 = 76	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 81	CES94 = 65
CES20 = 66	CES45 = 83	CES70 = 68	CES95 = 79
CES21 = 86	CES46 = 82	CES71 = 64	CES96 = 85
CES22 = 78	CES47 = 81	CES72 = 88	CES97 = 85
CES23 = 92	CES48 = 80	CES73 = 60	CES98 = 82
CES24 = 91	CES49 = 80	CES74 = 97	CES99 = 81
CES25 = 72	CES50 = 89	CES75 = 64	



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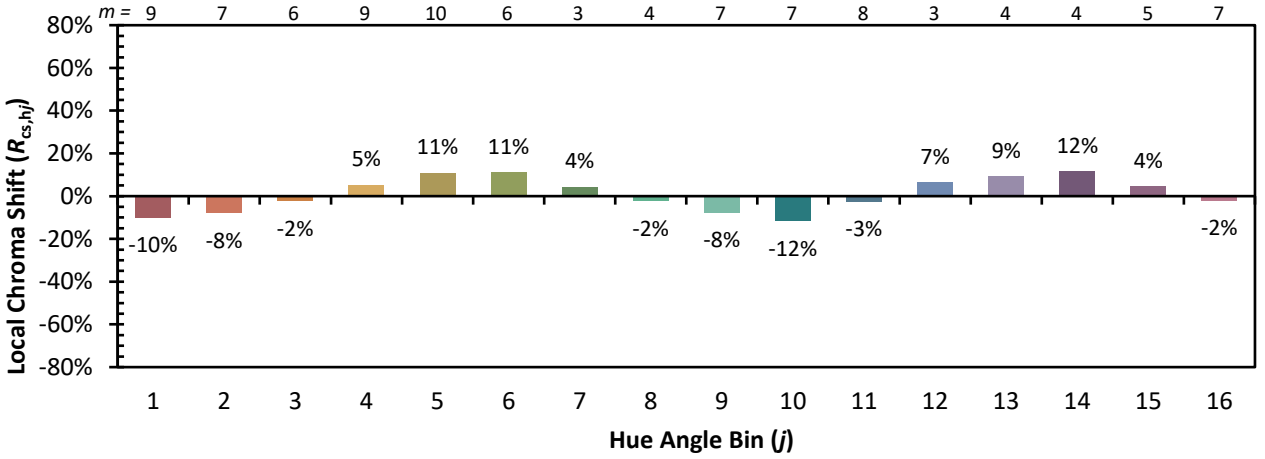
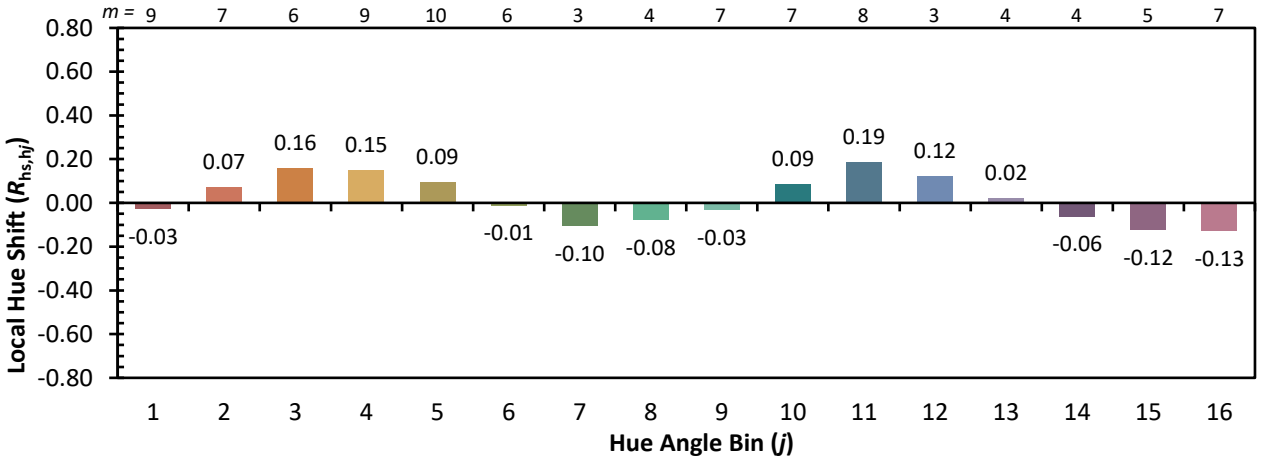
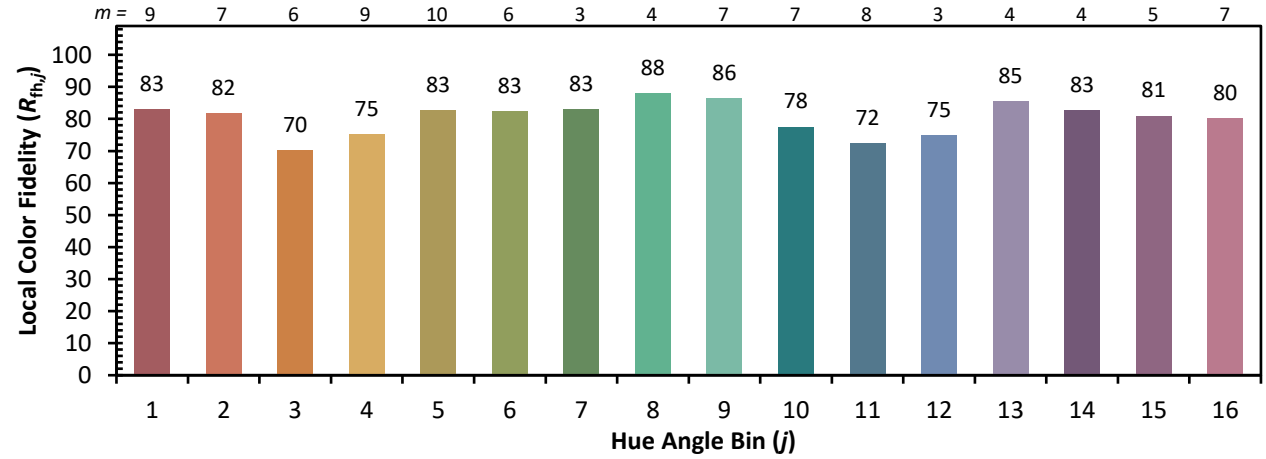
Color Rendition by Hue-Angle Bin







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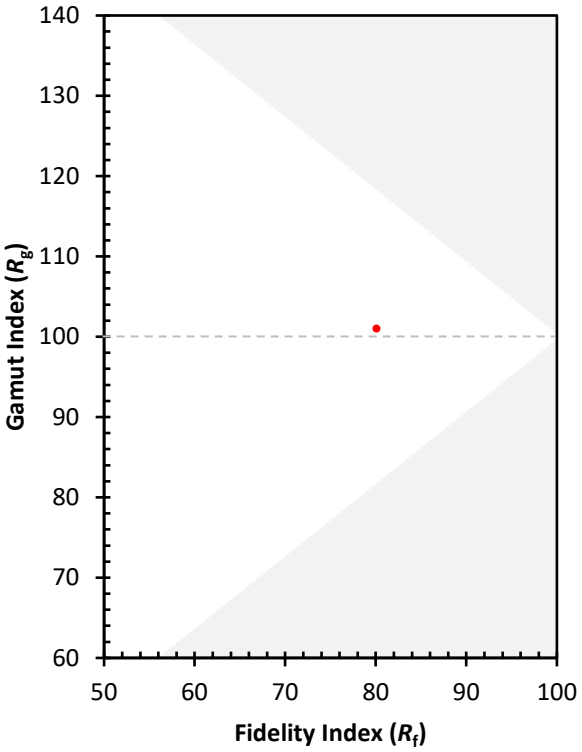
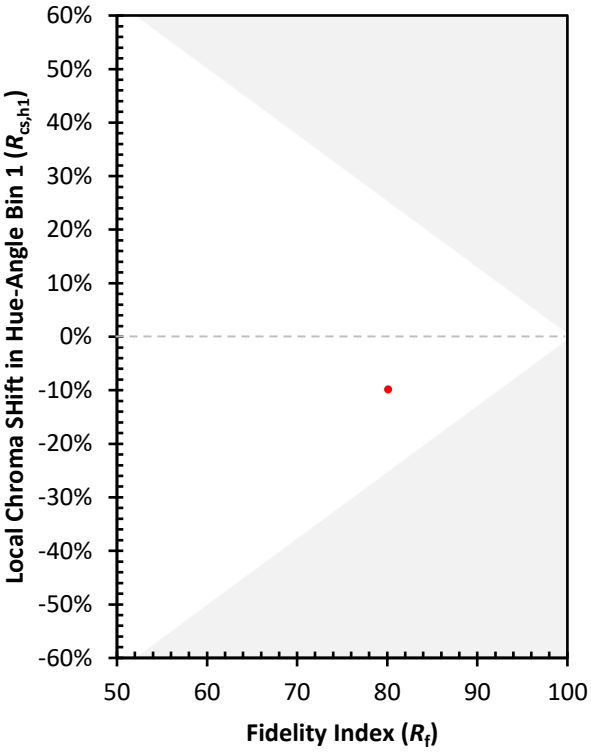
Measure Comparisons





(END OF REPORT)