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: P1436347

Luminaire Tested: EHBR1-18-UNV-M-L850-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:	P1436347
	REPORT IS A COMBINATION OF REPORTS P1436059 AND P1431635
Test Lab:	INNOVATION CENTER
Issue Date:	3/25/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	METALUX
Catalog Number:	EHBR1-18-UNV-M-L850-UPL12
Description:	Elevate Round Highbay at, 18000 lumens, 5000K 80CRI LEDs with M lens
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	19277.7 lumens
Efficiency:	N/A
Efficacy:	188.8 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):	102.1
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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TEST NUMBER: P1436347
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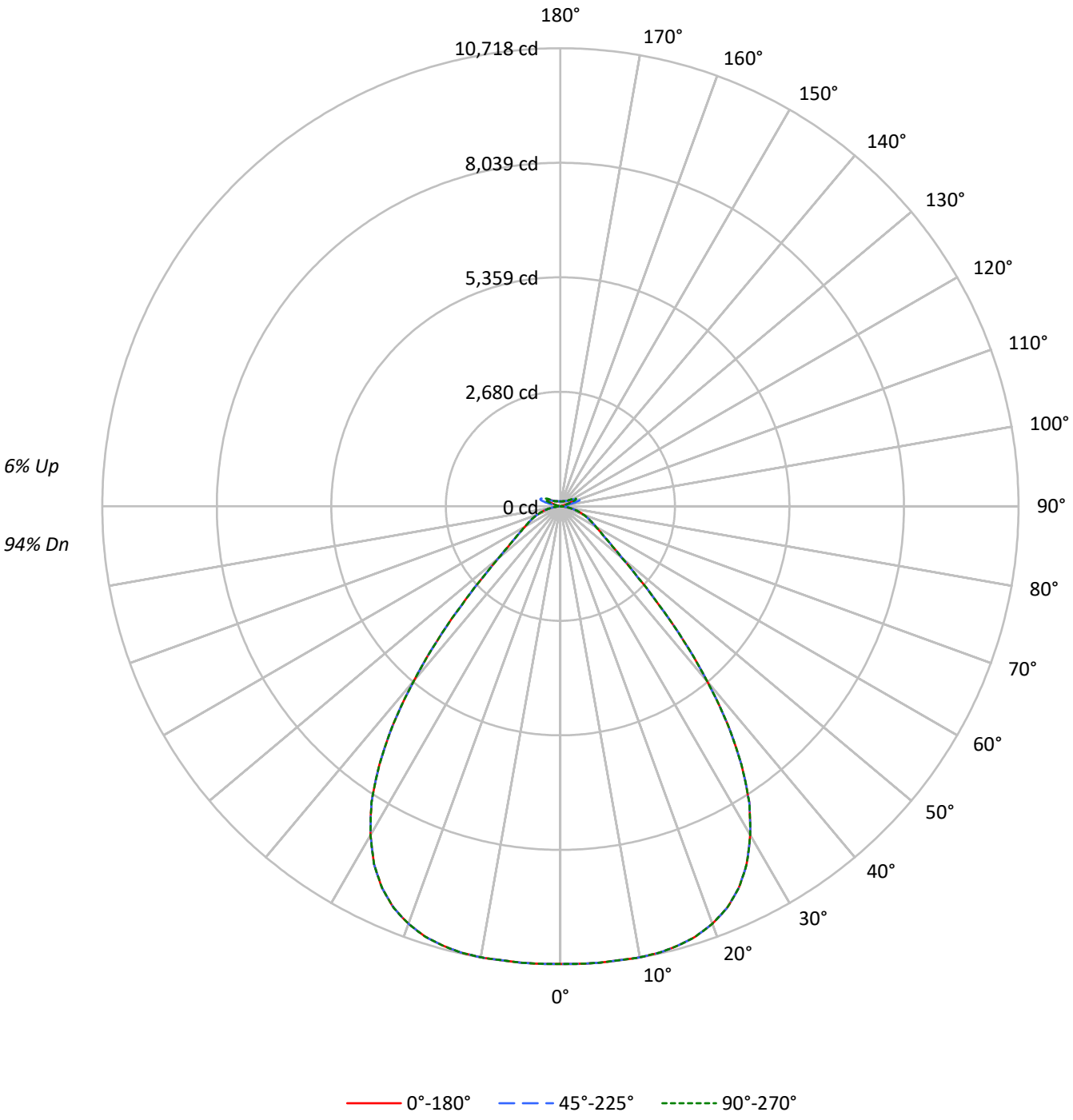
Luminous Intensity Polar Plot



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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	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	110	107	103	100	107	104	101	98	99	96	94	94	92	90	89	88	87	84
2	103	96	91	87	100	94	89	85	90	86	82	86	83	80	82	79	77	75
3	96	87	81	76	93	85	80	75	82	77	73	78	74	71	75	72	69	67
4	89	80	73	67	87	78	72	67	75	69	65	72	67	64	69	65	62	60
5	83	73	66	60	81	71	65	60	69	63	58	66	61	57	64	60	56	54
6	78	67	59	54	76	66	59	54	63	57	53	61	56	52	59	55	51	49
7	73	62	54	49	71	61	54	49	59	53	48	57	51	47	55	50	47	45
8	69	57	50	45	67	56	49	45	54	48	44	53	47	43	51	46	43	41
9	65	53	46	41	63	52	45	41	51	45	40	49	44	40	48	43	39	38
10	61	49	42	38	59	49	42	38	47	41	37	46	41	37	45	40	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	50283	50283	50283
5°	50198	50198	50198
10°	50433	50433	50433
15°	50723	50723	50723
20°	50569	50569	50569
25°	49389	49389	49389
30°	46183	46183	46183
35°	40220	40220	40220
40°	30824	30824	30824
45°	20136	20136	20136
50°	12694	12694	12694
55°	9463	9463	9463
60°	7966	7966	7966
65°	7245	7245	7245
70°	6600	6600	6600
75°	5650	5650	5650
80°	4351	4351	4351
85°	2281	2281	2281

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 20136 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1022.7	5.3
10°-20°	3003.3	15.6
20°-30°	4506.3	23.4
30°-40°	4533.8	23.5
40°-50°	2595.3	13.5
50°-60°	1187.0	6.2
60°-70°	753.1	3.9
70°-80°	422.5	2.2
80°-90°	101.2	0.5
90°-100°	32.8	0.2
100°-110°	205.9	1.1
110°-120°	368.2	1.9
120°-130°	216.1	1.1
130°-140°	132.5	0.7
140°-150°	91.9	0.5
150°-160°	59.7	0.3
160°-170°	34.0	0.2
170°-180°	11.2	0.1
0°-30°	8532.3	44.3
0°-40°	13066.1	67.8
0°-60°	16848.4	87.4
0°-90°	18125.2	94.0
90°-120°	607.0	3.1
90°-150°	1047.5	5.4
90°-180°	1152.0	6.0
0°-180°	19277.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10708	10708	10708	10708	10708	
5°	10718	10718	10718	10718	10718	1023
15°	10641	10641	10641	10641	10641	3003
25°	9863	9863	9863	9863	9863	4506
35°	7382	7382	7382	7382	7382	4534
45°	3258	3258	3258	3258	3258	2595
55°	1279	1279	1279	1279	1279	1187
65°	756	756	756	756	756	753
75°	398	398	398	398	398	422
85°	78	78	78	78	78	96
90°	8	14	24	15	8	7
95°	14	24	53	26	16	14
105°	72	142	362	156	95	96
115°	331	348	428	410	408	305
125°	239	223	229	232	261	218
135°	174	169	175	164	164	136
145°	143	141	150	148	147	91
155°	125	124	130	130	130	58
165°	117	117	121	121	120	34
175°	116	116	118	118	118	11
180°	117	117	117	117	117	

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TEST NUMBER: P1436347
CATALOG NUMBER: EHBR1-18-UNV-M-L850-UPL12

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	*10707.5*	10707.5	10707.5	10707.5	10707.5
2.5°	*10712.8*	10712.8	10712.8	10712.8	10712.8
5°	*10718.0*	*10718.0*	*10718.0*	*10718.0*	*10718.0*
7.5°	*10710.7*	10710.7	10710.7	10710.7	10710.7
10°	*10715.2*	10715.2	10715.2	10715.2	10715.2
12.5°	*10696.8*	10696.8	10696.8	10696.8	10696.8
15°	*10641.4*	10641.4	10641.4	10641.4	10641.4
17.5°	*10549.8*	10549.8	10549.8	10549.8	10549.8
20°	*10393.5*	10393.5	10393.5	10393.5	10393.5
22.5°	*10178.8*	10178.8	10178.8	10178.8	10178.8
25°	*9862.9*	9862.9	9862.9	9862.9	9862.9
27.5°	*9437.9*	9437.9	9437.9	9437.9	9437.9
30°	*8883.2*	8883.2	8883.2	8883.2	8883.2
32.5°	*8226.2*	8226.2	8226.2	8226.2	8226.2
35°	*7381.8*	7381.8	7381.8	7381.8	7381.8
37.5°	*6425.4*	6425.4	6425.4	6425.4	6425.4
40°	*5342.6*	5342.6	5342.6	5342.6	5342.6
42.5°	*4269.4*	4269.4	4269.4	4269.4	4269.4
45°	*3258.0*	3258.0	3258.0	3258.0	3258.0
47.5°	*2452.6*	2452.6	2452.6	2452.6	2452.6
50°	*1891.9*	1891.9	1891.9	1891.9	1891.9
52.5°	*1528.5*	1528.5	1528.5	1528.5	1528.5
55°	*1278.8*	1278.8	1278.8	1278.8	1278.8
57.5°	*1094.9*	1094.9	1094.9	1094.9	1094.9
60°	*957.7*	957.7	957.7	957.7	957.7
62.5°	*851.7*	851.7	851.7	851.7	851.7
65°	*756.2*	756.2	756.2	756.2	756.2
67.5°	*668.2*	668.2	668.2	668.2	668.2
70°	*579.1*	579.1	579.1	579.1	579.1
72.5°	*489.3*	489.3	489.3	489.3	489.3
75°	*398.0*	398.0	398.0	398.0	398.0
77.5°	*311.3*	311.3	311.3	311.3	311.3
80°	*228.9*	228.9	228.9	228.9	228.9
82.5°	*149.2*	149.2	149.2	149.2	149.2
85°	*78.4*	78.4	78.4	78.4	78.4
87.5°	*22.4*	22.4	22.4	22.4	22.4
90°	*8.5*	13.9	23.8	15.1	8.5
92.5°	*12.6*	21.1	38.3	19.7	11.2
95°	*14.5*	24.4	53.4	26.4	16.5
97.5°	*18.5*	27.0	61.4	32.3	25.7
100°	*24.4*	31.6	95.7	39.6	34.3
102.5°	*41.6*	67.3	203.2	74.6	52.2
105°	*71.9*	141.8	362.2	156.4	95.0
107.5°	*124.7*	254.0	477.6	277.1	180.2
110°	*232.9*	337.1	500.8	380.6	288.3

TEST NUMBER: P1436347
CATALOG NUMBER: EHBR1-18-UNV-M-L850-UPL12

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	*314.7*	362.2	479.6	420.2	375.3
115°	*331.2*	348.3	428.2	410.3	407.7
117.5°	*319.9*	318.0	363.5	368.7	393.9
120°	*296.3*	283.0	303.4	321.9	355.6
122.5°	*266.5*	250.7	259.9	273.8	307.5
125°	*238.8*	223.0	229.0	232.2	260.6
127.5°	*214.4*	203.8	207.2	203.2	221.0
130°	*197.9*	188.7	193.3	184.1	192.6
132.5°	*184.1*	178.1	183.4	172.2	174.8
135°	*174.2*	168.9	174.8	164.2	163.6
137.5°	*165.6*	161.0	166.9	159.0	157.0
140°	*157.7*	153.7	160.3	154.4	153.0
142.5°	*149.1*	146.5	154.4	150.4	149.1
145°	*143.1*	141.2	149.8	147.7	147.1
147.5°	*137.9*	136.5	144.5	143.8	143.8
150°	*133.3*	131.9	139.9	139.2	139.9
152.5°	*128.7*	127.3	134.6	133.9	134.6
155°	*125.3*	124.1	130.0	130.0	130.0
157.5°	*122.7*	122.0	126.7	126.7	126.7
160°	*120.7*	120.0	124.1	124.1	123.4
162.5°	*118.8*	118.1	122.7	122.0	122.0
165°	*117.4*	117.4	120.7	120.7	120.0
167.5°	*117.4*	116.8	120.0	120.0	119.4
170°	*116.8*	116.8	119.4	118.8	118.1
172.5°	*116.8*	116.8	119.4	118.8	118.1
175°	*116.1*	116.1	118.1	118.1	118.1
177.5°	*116.8*	116.8	118.1	118.1	117.4
180°	*117.4*	117.4	117.4	117.4	117.4

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Scaled Data Report

TEST NUMBER: P1436347
CATALOG NUMBER: EHBR1-18-UNV-M-L850-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	16.01	17.19	16.48	17.62	18.09	16.01	17.19	16.48	17.62	18.09
	3H	17.50	18.54	17.98	18.99	19.51	17.50	18.54	17.98	18.99	19.51
	4H	18.02	18.99	18.53	19.47	20.00	18.02	18.99	18.53	19.47	20.00
	6H	18.35	19.24	18.87	19.73	20.27	18.35	19.24	18.87	19.73	20.27
	8H	18.42	19.26	18.95	19.77	20.32	18.42	19.26	18.95	19.77	20.32
	12H	18.43	19.24	18.97	19.74	20.31	18.43	19.24	18.97	19.74	20.31
4H	2H	16.45	17.42	16.96	17.90	18.43	16.45	17.42	16.96	17.90	18.43
	3H	18.15	18.95	18.67	19.47	20.01	18.15	18.95	18.67	19.47	20.01
	4H	18.78	19.50	19.32	20.03	20.61	18.78	19.50	19.32	20.03	20.61
	6H	19.20	19.82	19.77	20.38	20.98	19.20	19.82	19.77	20.38	20.98
	8H	19.30	19.87	19.87	20.43	21.04	19.30	19.87	19.87	20.43	21.04
	12H	19.33	19.84	19.91	20.42	21.04	19.33	19.84	19.91	20.42	21.04
8H	4H	18.96	19.53	19.53	20.09	20.70	18.96	19.53	19.53	20.09	20.70
	6H	19.47	19.94	20.07	20.54	21.16	19.47	19.94	20.07	20.54	21.16
	8H	19.61	20.03	20.22	20.64	21.27	19.61	20.03	20.22	20.64	21.27
	12H	19.67	20.04	20.29	20.64	21.34	19.67	20.04	20.29	20.64	21.34
12H	4H	18.94	19.45	19.53	20.04	20.65	18.94	19.45	19.53	20.04	20.65
	6H	19.47	19.89	20.09	20.50	21.13	19.47	19.89	20.09	20.50	21.13
	8H	19.64	20.01	20.25	20.61	21.31	19.64	20.01	20.25	20.61	21.31

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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: SP1-2506-472-4

Test Date: 07/31/2025

Luminaire Tested: EHBR-60-L850-N

Data in this report applies to families of products including EHBR-60-L850-N

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

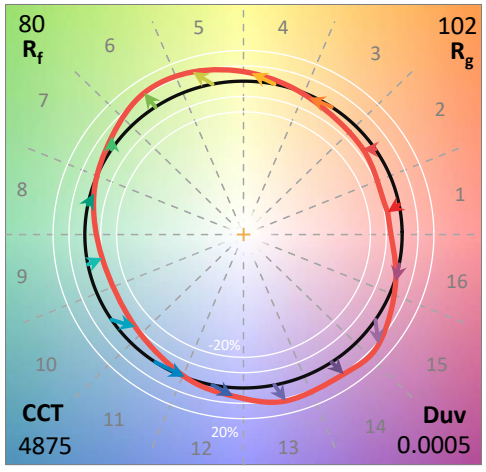
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2506-472-4
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-L850-N**
Description:	Elevate Round Highbay at, 60000 lumens, 5000K 80CRI LEDs with N lens

Spectral Parameters

CCT (K):	4875
CIE u':	0.2124
CIE v':	0.4871
Duv:	0.0005
CIE x:	0.3488
CIE y:	0.3555
CIE z:	0.2957
Peak Wavelength (nm):	630
Dominant Wavelength (nm):	573
Purity:	11.33556
Rf:	80
Rg:	102.3

CRI (Ra):	82.3				
R1:	85.0	R9:	43.9		
R2:	83.1	R10:	57.4		
R3:	78.8	R11:	83.1		
R4:	84.0	R12:	51.0		
R5:	83.0	R13:	83.4		
R6:	76.3	R14:	87.4		
R7:	86.8	R15:	83.4		
R8:	81.7				



Test Conditions

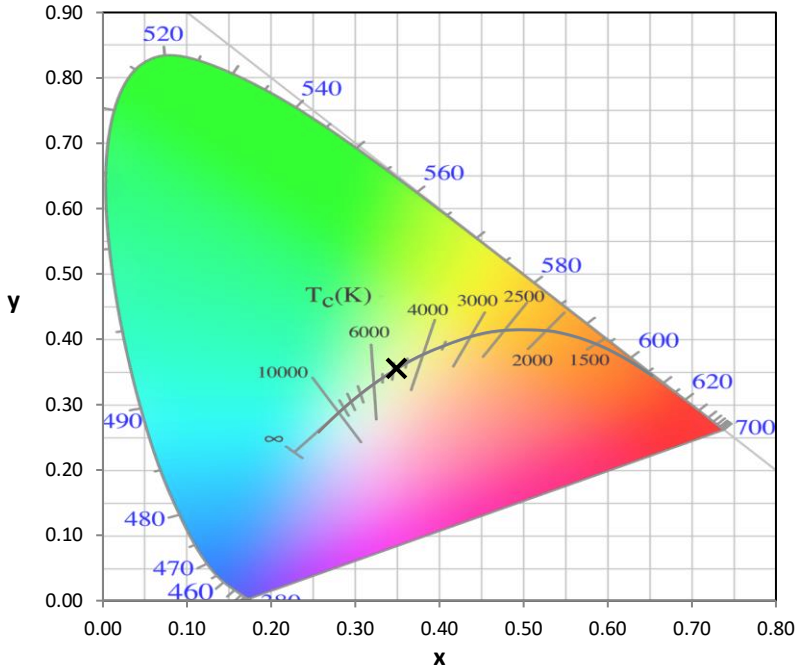
Stabilization Time:	39M
Operation Time:	1H 39M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2506-472-4

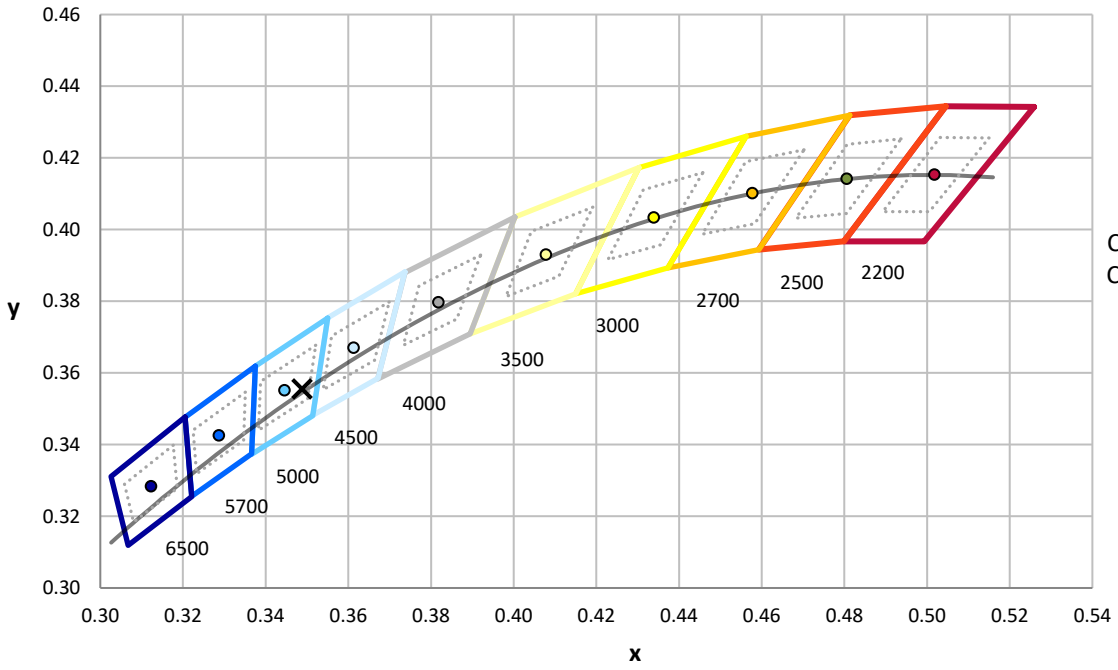
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208	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: SP1-2506-472-4

CIE 1931 Chromaticity Diagram



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

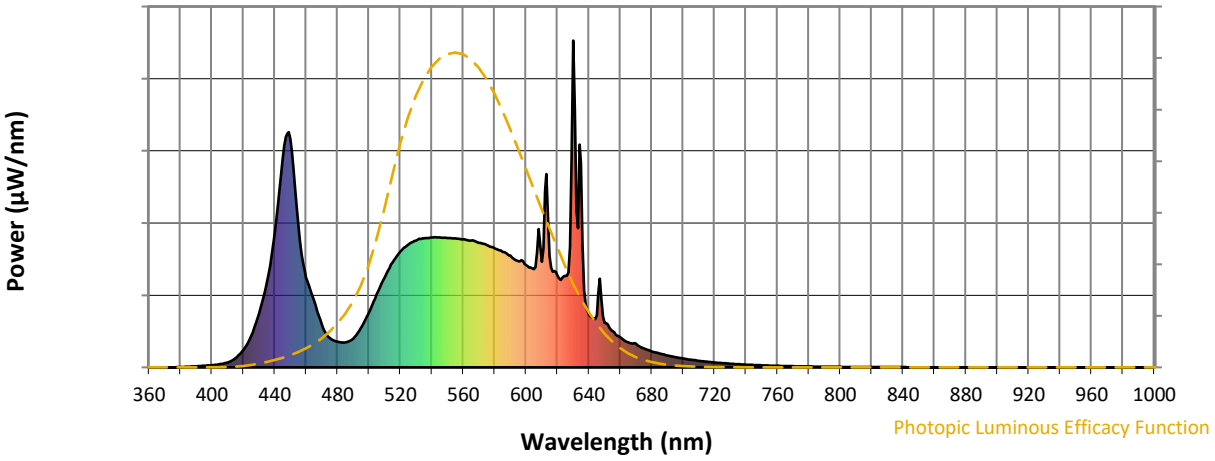


CCT = 4875K
CIE x = 0.3488
CIE y = 0.3555
Duv = 0.0005

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-4

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	89	NR	620	280	NR	750	6	NR	880	0	NR
365	0	NR	495	121	NR	625	280	NR	755	5	NR	885	0	NR
370	0	NR	500	168	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	224	NR	635	626	NR	765	4	NR	895	0	NR
380	1	NR	510	275	NR	640	163	NR	770	4	NR	900	0	NR
385	2	NR	515	321	NR	645	160	NR	775	3	NR	905	0	NR
390	3	NR	520	354	NR	650	136	NR	780	3	NR	910	0	NR
395	5	NR	525	375	NR	655	111	NR	785	2	NR	915	0	NR
400	7	NR	530	388	NR	660	93	NR	790	2	NR	920	0	NR
405	10	NR	535	395	NR	665	76	NR	795	2	NR	925	0	NR
410	15	NR	540	397	NR	670	72	NR	800	2	NR	930	0	NR
415	28	NR	545	398	NR	675	57	NR	805	1	NR	935	0	NR
420	53	NR	550	396	NR	680	49	NR	810	1	NR	940	0	NR
425	97	NR	555	395	NR	685	42	NR	815	1	NR	945	0	NR
430	163	NR	560	392	NR	690	37	NR	820	1	NR	950	0	NR
435	261	NR	565	388	NR	695	32	NR	825	1	NR	955	0	NR
440	409	NR	570	381	NR	700	27	NR	830	1	NR	960	0	NR
445	637	NR	575	374	NR	705	23	NR	835	1	NR	965	0	NR
450	699	NR	580	365	NR	710	20	NR	840	1	NR	970	0	NR
455	436	NR	585	354	NR	715	17	NR	845	0	NR	975	0	NR
460	274	NR	590	342	NR	720	15	NR	850	0	NR	980	0	NR
465	205	NR	595	325	NR	725	13	NR	855	0	NR	985	0	NR
470	130	NR	600	313	NR	730	11	NR	860	0	NR	990	0	NR
475	90	NR	605	301	NR	735	10	NR	865	0	NR	995	0	NR
480	78	NR	610	323	NR	740	8	NR	870	0	NR	1000	0	NR
485	77	NR	615	340	NR	745	7	NR	875	0	NR			

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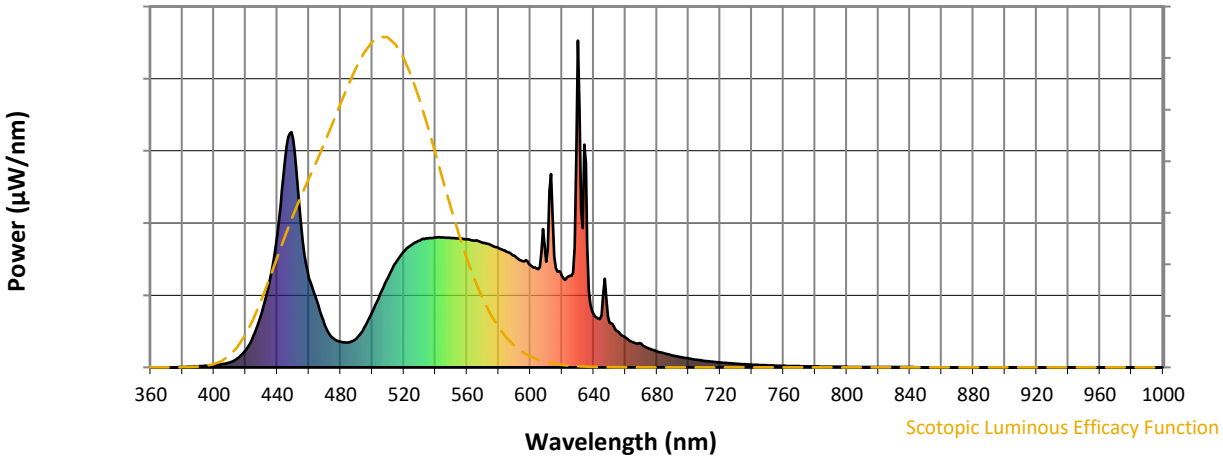
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.82**

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	89	NR	620	280	NR	750	6	NR	880	0	NR
365	0	NR	495	121	NR	625	280	NR	755	5	NR	885	0	NR
370	0	NR	500	168	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	224	NR	635	626	NR	765	4	NR	895	0	NR
380	1	NR	510	275	NR	640	163	NR	770	4	NR	900	0	NR
385	2	NR	515	321	NR	645	160	NR	775	3	NR	905	0	NR
390	3	NR	520	354	NR	650	136	NR	780	3	NR	910	0	NR
395	5	NR	525	375	NR	655	111	NR	785	2	NR	915	0	NR
400	7	NR	530	388	NR	660	93	NR	790	2	NR	920	0	NR
405	10	NR	535	395	NR	665	76	NR	795	2	NR	925	0	NR
410	15	NR	540	397	NR	670	72	NR	800	2	NR	930	0	NR
415	28	NR	545	398	NR	675	57	NR	805	1	NR	935	0	NR
420	53	NR	550	396	NR	680	49	NR	810	1	NR	940	0	NR
425	97	NR	555	395	NR	685	42	NR	815	1	NR	945	0	NR
430	163	NR	560	392	NR	690	37	NR	820	1	NR	950	0	NR
435	261	NR	565	388	NR	695	32	NR	825	1	NR	955	0	NR
440	409	NR	570	381	NR	700	27	NR	830	1	NR	960	0	NR
445	637	NR	575	374	NR	705	23	NR	835	1	NR	965	0	NR
450	699	NR	580	365	NR	710	20	NR	840	1	NR	970	0	NR
455	436	NR	585	354	NR	715	17	NR	845	0	NR	975	0	NR
460	274	NR	590	342	NR	720	15	NR	850	0	NR	980	0	NR
465	205	NR	595	325	NR	725	13	NR	855	0	NR	985	0	NR
470	130	NR	600	313	NR	730	11	NR	860	0	NR	990	0	NR
475	90	NR	605	301	NR	735	10	NR	865	0	NR	995	0	NR
480	78	NR	610	323	NR	740	8	NR	870	0	NR	1000	0	NR
485	77	NR	615	340	NR	745	7	NR	875	0	NR			

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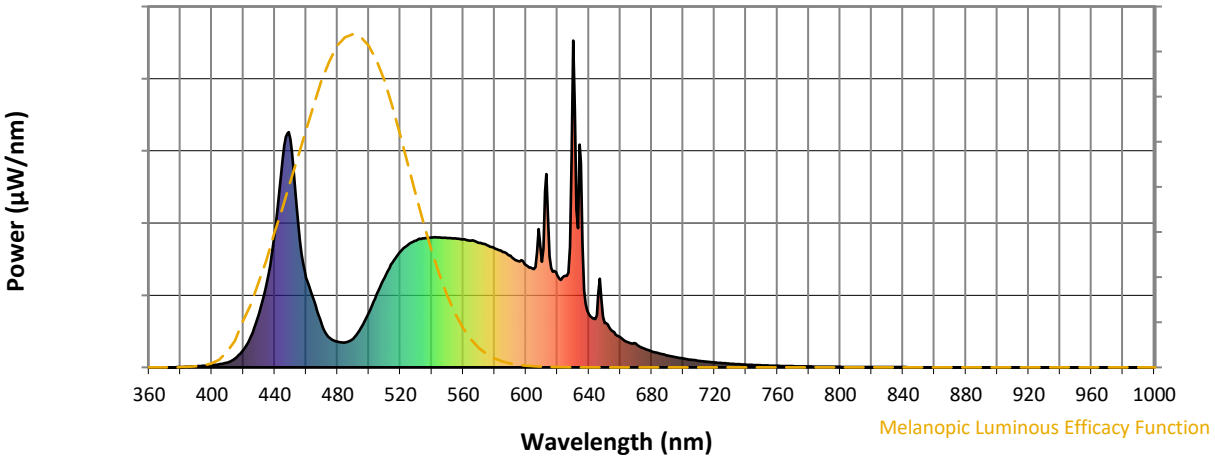
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.71**

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	89	NR	620	280	NR	750	6	NR	880	0	NR
365	0	NR	495	121	NR	625	280	NR	755	5	NR	885	0	NR
370	0	NR	500	168	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	224	NR	635	626	NR	765	4	NR	895	0	NR
380	1	NR	510	275	NR	640	163	NR	770	4	NR	900	0	NR
385	2	NR	515	321	NR	645	160	NR	775	3	NR	905	0	NR
390	3	NR	520	354	NR	650	136	NR	780	3	NR	910	0	NR
395	5	NR	525	375	NR	655	111	NR	785	2	NR	915	0	NR
400	7	NR	530	388	NR	660	93	NR	790	2	NR	920	0	NR
405	10	NR	535	395	NR	665	76	NR	795	2	NR	925	0	NR
410	15	NR	540	397	NR	670	72	NR	800	2	NR	930	0	NR
415	28	NR	545	398	NR	675	57	NR	805	1	NR	935	0	NR
420	53	NR	550	396	NR	680	49	NR	810	1	NR	940	0	NR
425	97	NR	555	395	NR	685	42	NR	815	1	NR	945	0	NR
430	163	NR	560	392	NR	690	37	NR	820	1	NR	950	0	NR
435	261	NR	565	388	NR	695	32	NR	825	1	NR	955	0	NR
440	409	NR	570	381	NR	700	27	NR	830	1	NR	960	0	NR
445	637	NR	575	374	NR	705	23	NR	835	1	NR	965	0	NR
450	699	NR	580	365	NR	710	20	NR	840	1	NR	970	0	NR
455	436	NR	585	354	NR	715	17	NR	845	0	NR	975	0	NR
460	274	NR	590	342	NR	720	15	NR	850	0	NR	980	0	NR
465	205	NR	595	325	NR	725	13	NR	855	0	NR	985	0	NR
470	130	NR	600	313	NR	730	11	NR	860	0	NR	990	0	NR
475	90	NR	605	301	NR	735	10	NR	865	0	NR	995	0	NR
480	78	NR	610	323	NR	740	8	NR	870	0	NR	1000	0	NR
485	77	NR	615	340	NR	745	7	NR	875	0	NR			

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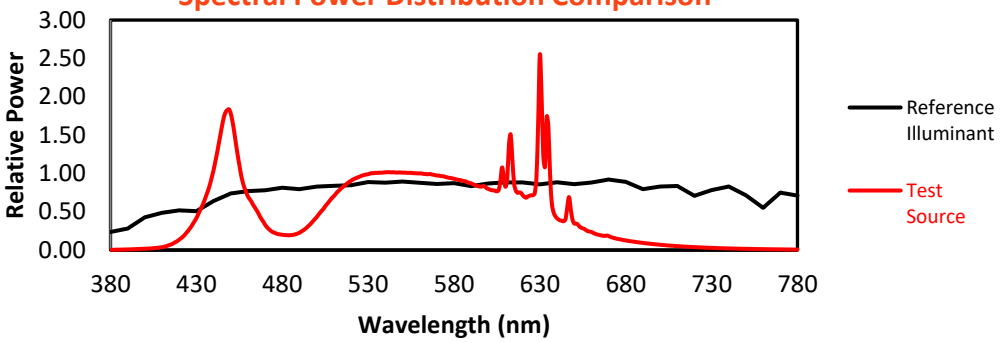
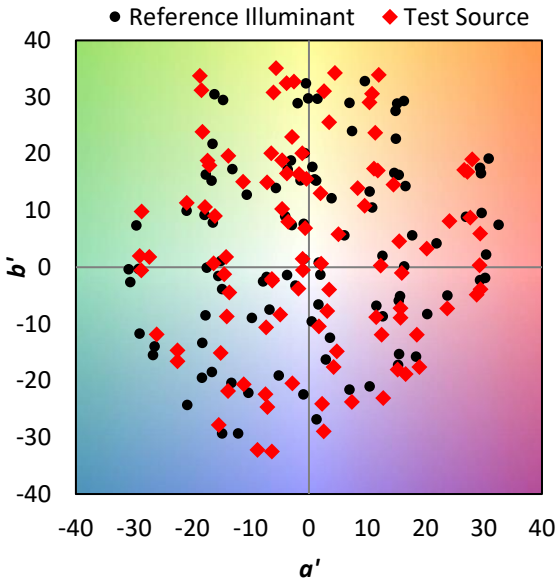
Summary

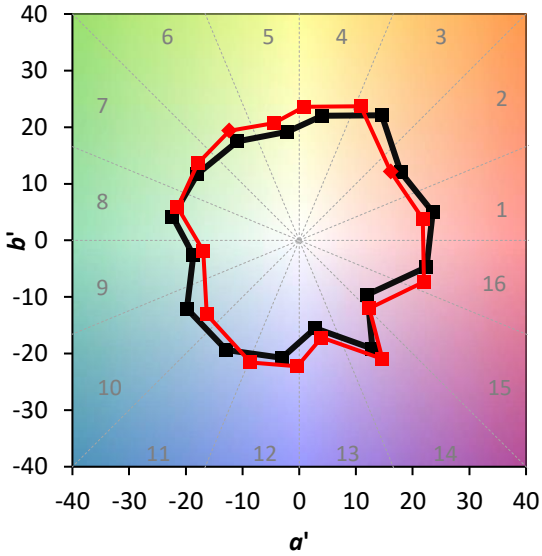
R_f = 80
R_g = 102.3
CIE R_a = 82.3
R_9 = 43.9

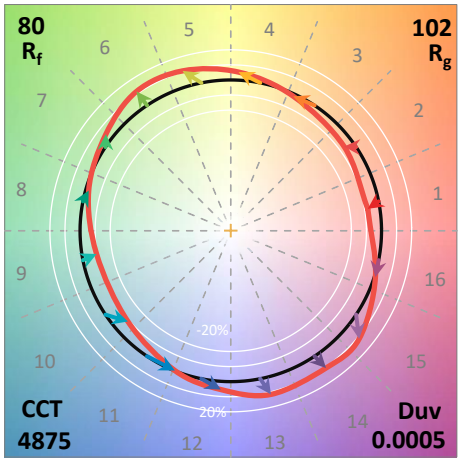
Spectral Power Distribution Comparison

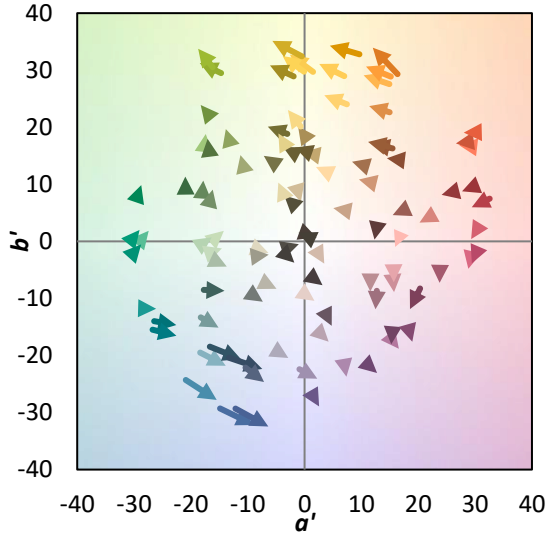


Color Vector Graphics









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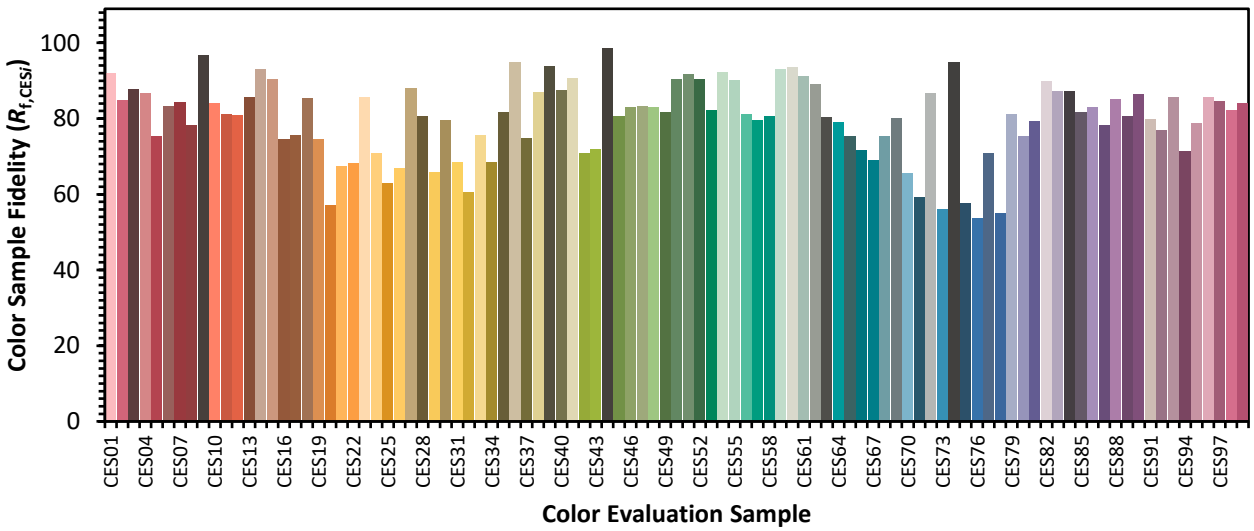
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 67	CES51 = 92	CES76 = 54
CES02 = 60	CES27 = 88	CES52 = 91	CES77 = 71
CES03 = 31	CES28 = 81	CES53 = 82	CES78 = 55
CES04 = 69	CES29 = 66	CES54 = 92	CES79 = 81
CES05 = 47	CES30 = 80	CES55 = 90	CES80 = 75
CES06 = 50	CES31 = 69	CES56 = 81	CES81 = 79
CES07 = 40	CES32 = 61	CES57 = 80	CES82 = 90
CES08 = 39	CES33 = 76	CES58 = 81	CES83 = 87
CES09 = 29	CES34 = 68	CES59 = 93	CES84 = 87
CES10 = 73	CES35 = 82	CES60 = 94	CES85 = 82
CES11 = 56	CES36 = 95	CES61 = 91	CES86 = 83
CES12 = 62	CES37 = 75	CES62 = 89	CES87 = 78
CES13 = 42	CES38 = 87	CES63 = 80	CES88 = 85
CES14 = 74	CES39 = 94	CES64 = 79	CES89 = 81
CES15 = 71	CES40 = 87	CES65 = 75	CES90 = 86
CES16 = 46	CES41 = 91	CES66 = 72	CES91 = 80
CES17 = 48	CES42 = 71	CES67 = 69	CES92 = 77
CES18 = 56	CES43 = 72	CES68 = 75	CES93 = 86
CES19 = 70	CES44 = 99	CES69 = 80	CES94 = 71
CES20 = 65	CES45 = 81	CES70 = 66	CES95 = 79
CES21 = 85	CES46 = 83	CES71 = 59	CES96 = 86
CES22 = 77	CES47 = 83	CES72 = 87	CES97 = 85
CES23 = 91	CES48 = 83	CES73 = 56	CES98 = 82
CES24 = 90	CES49 = 82	CES74 = 95	CES99 = 84
CES25 = 71	CES50 = 91	CES75 = 58	



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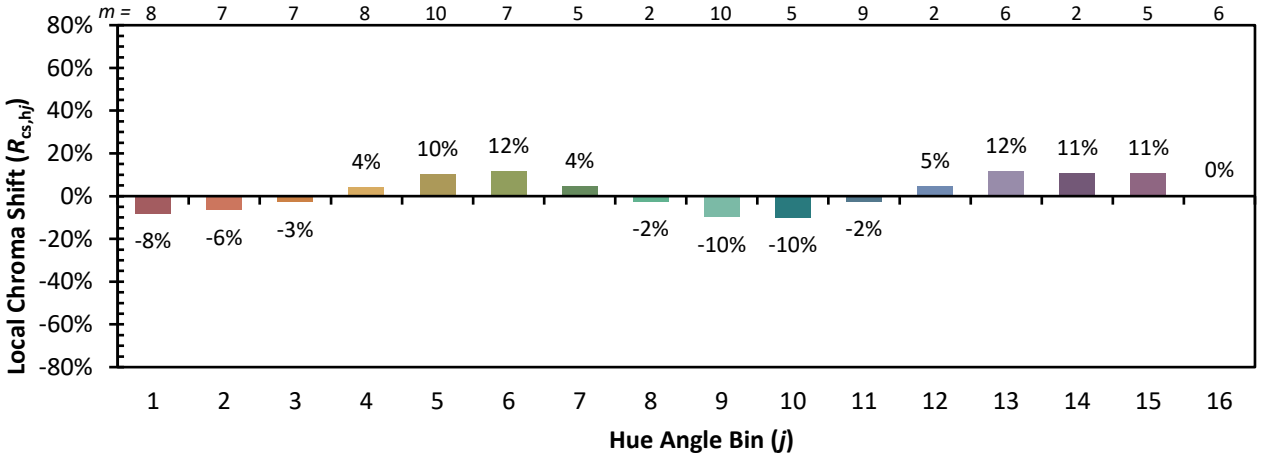
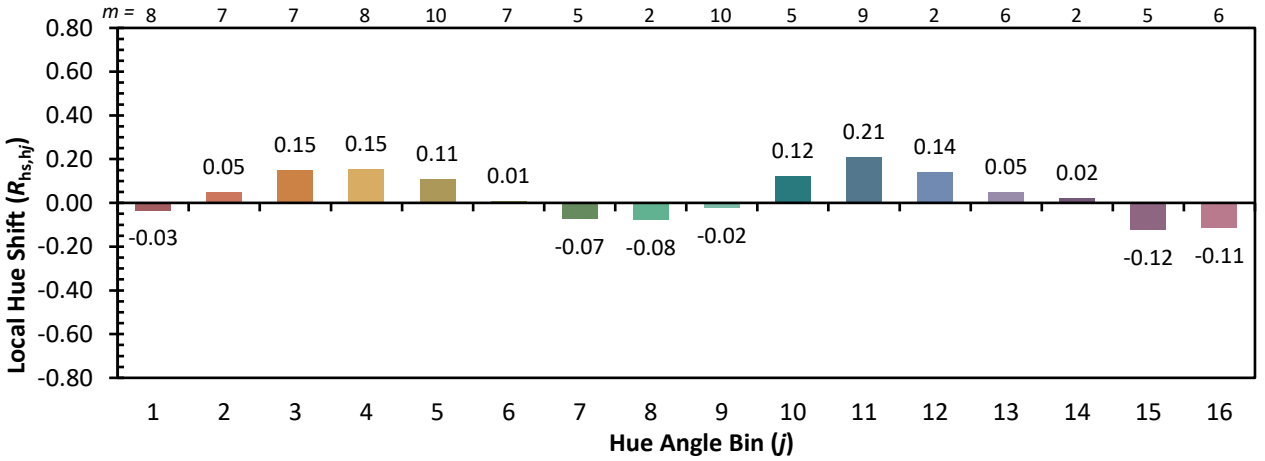
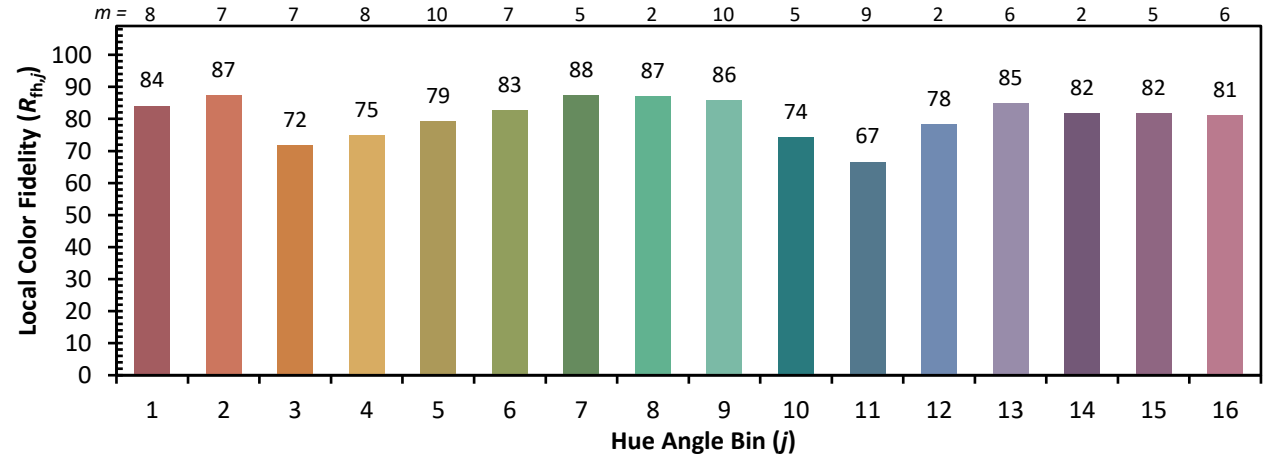
Color Rendition by Hue-Angle Bin







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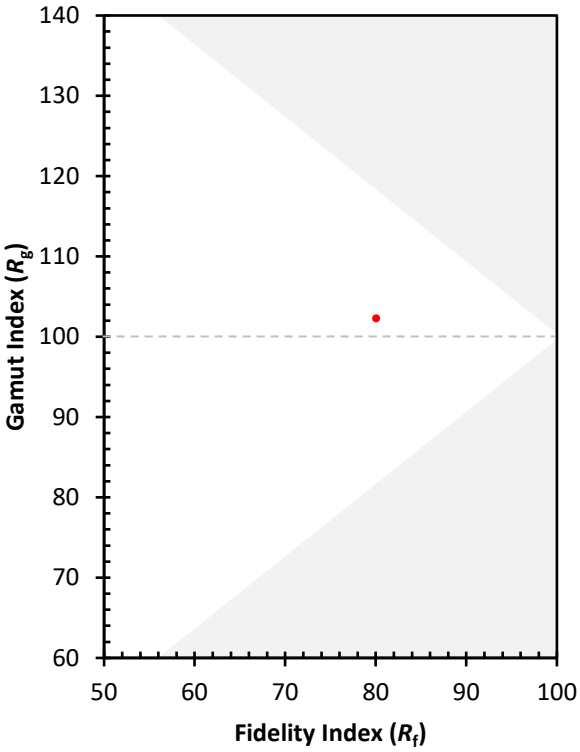
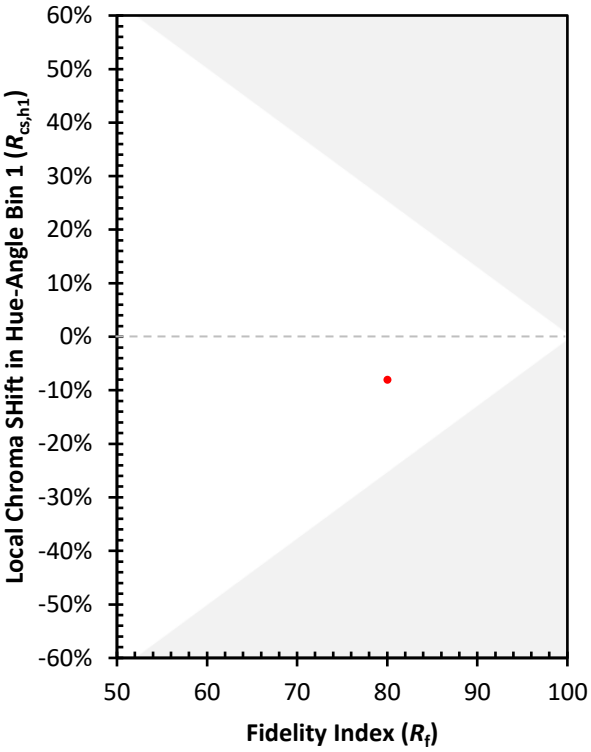
Measure Comparisons





(END OF REPORT)