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: P1432443

Luminaire Tested: EHBR1-42-UNV-W-L830-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:	P1432443
	REPORT IS A COMBINATION OF REPORTS P1431820 AND P1431635
Test Lab:	INNOVATION CENTER
Issue Date:	3/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	METALUX
Catalog Number:	EHBR1-42-UNV-W-L830-UPL12
Description:	Elevate Round Highbay at, 42000 lumens, 3000K 80CRI LEDs with W lens
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	39800.4 lumens
Efficiency:	N/A
Efficacy:	171.7 lumens/watt
Spacing Criteria (0/90/45):	1.54 / 1.54 / 1.31
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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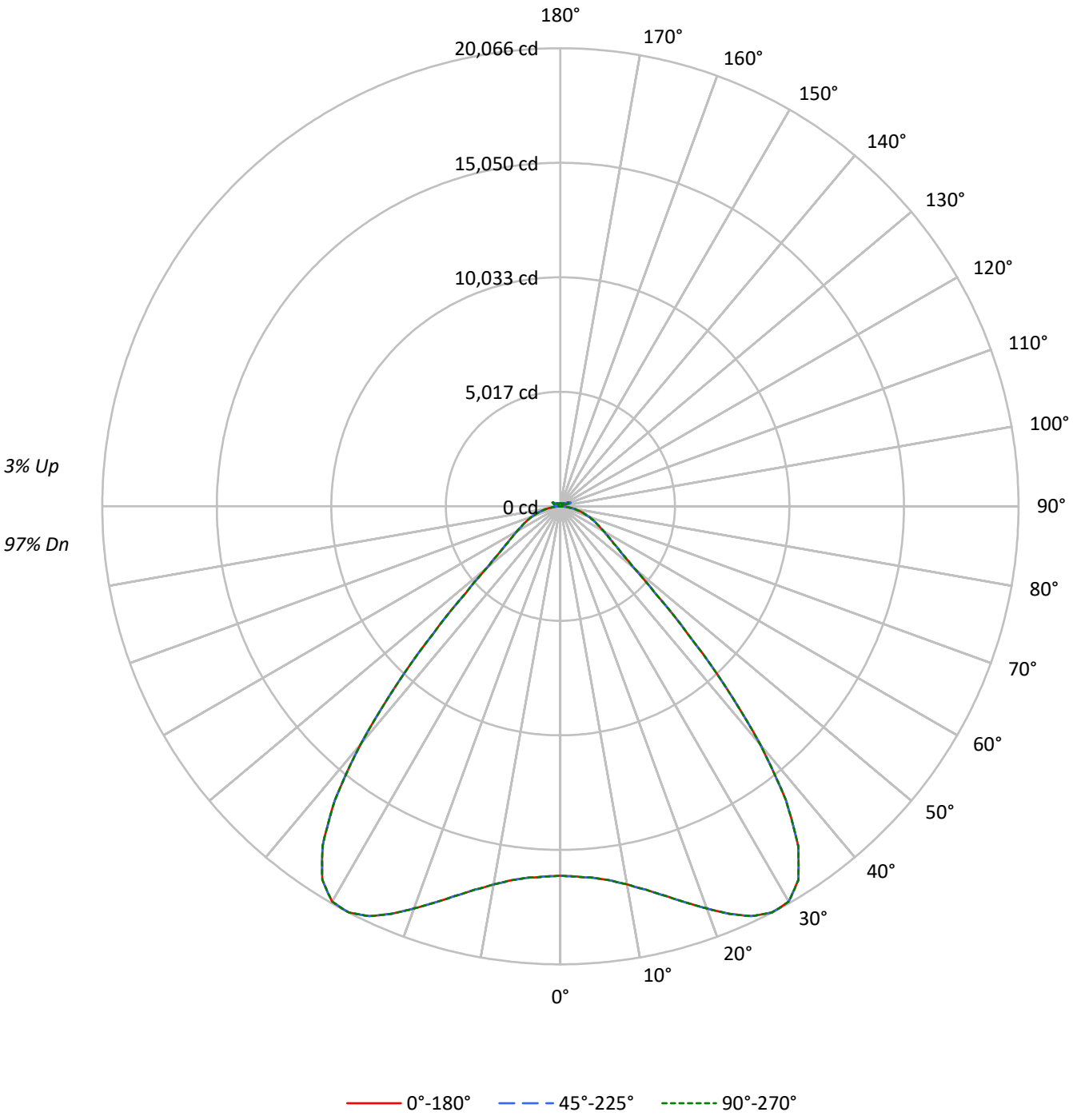
Luminous Intensity Polar Plot



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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	99	99	99	97
1	111	107	103	100	108	104	101	99	100	97	95	95	93	92	91	90	88	86
2	103	96	91	86	100	94	89	85	90	86	83	87	83	80	83	81	78	76
3	95	87	80	75	93	85	79	74	82	77	73	79	75	71	76	73	70	68
4	89	79	71	66	86	77	71	65	75	69	64	72	67	63	70	66	62	60
5	83	72	64	58	80	70	63	58	68	62	57	66	61	56	64	59	56	54
6	77	65	58	52	75	64	57	52	62	56	51	61	55	51	59	54	50	48
7	72	60	52	47	70	59	52	47	57	51	46	56	50	46	54	49	45	44
8	67	55	48	43	66	54	47	42	53	47	42	52	46	42	50	45	41	39
9	63	51	44	39	62	50	43	39	49	43	38	48	42	38	47	41	38	36
10	59	47	40	35	58	47	40	35	46	39	35	44	39	35	43	38	34	33

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	75985	75985	75985
5°	76490	76490	76490
10°	79148	79148	79148
15°	84163	84163	84163
20°	91234	91234	91234
25°	99181	99181	99181
30°	103959	103959	103959
35°	98952	98952	98952
40°	78518	78518	78518
45°	48531	48531	48531
50°	28101	28101	28101
55°	21262	21262	21262
60°	18239	18239	18239
65°	16474	16474	16474
70°	15154	15154	15154
75°	13389	13389	13389
80°	10911	10911	10911
85°	6433	6433	6433

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 48531 cd/sqm

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CATALOG NUMBER: EHBR1-42-UNV-W-L830-UPL12

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1574.3	4.0
10°-20°	5047.0	12.7
20°-30°	9110.0	22.9
30°-40°	11008.5	27.7
40°-50°	6289.5	15.8
50°-60°	2663.8	6.7
60°-70°	1718.2	4.3
70°-80°	999.0	2.5
80°-90°	266.4	0.7
90°-100°	32.6	0.1
100°-110°	197.8	0.5
110°-120°	353.1	0.9
120°-130°	208.2	0.5
130°-140°	130.3	0.3
140°-150°	92.9	0.2
150°-160°	61.4	0.2
160°-170°	35.5	0.1
170°-180°	11.8	0.0
0°-30°	15731.3	39.5
0°-40°	26739.8	67.2
0°-60°	35693.1	89.7
0°-90°	38676.7	97.2
90°-120°	583.5	1.5
90°-150°	1014.9	2.6
90°-180°	1124.0	2.8
0°-180°	39800.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16180	16180	16180	16180	16180	
5°	16332	16332	16332	16332	16332	1574
15°	17657	17657	17657	17657	17657	5047
25°	19806	19806	19806	19806	19806	9110
35°	18161	18161	18161	18161	18161	11009
45°	7852	7852	7852	7852	7852	6289
55°	2873	2873	2873	2873	2873	2664
65°	1720	1720	1720	1720	1720	1718
75°	943	943	943	943	943	999
85°	221	221	221	221	221	255
90°	10	14	24	16	10	14
95°	15	24	52	26	17	14
105°	70	137	347	150	92	93
115°	318	334	410	393	391	293
125°	230	215	221	224	251	210
135°	171	166	172	162	161	134
145°	145	143	151	149	149	92
155°	129	128	134	134	134	60
165°	123	123	126	126	125	35
175°	123	123	125	125	125	12
180°	125	125	125	125	125	

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TEST NUMBER: P1432443
CATALOG NUMBER: EHBR1-42-UNV-W-L830-UPL12

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	16180.5	16180.5	16180.5	16180.5	16180.5
2.5°	16234.9	16234.9	16234.9	16234.9	16234.9
5°	16331.8	16331.8	16331.8	16331.8	16331.8
7.5°	16522.5	16522.5	16522.5	16522.5	16522.5
10°	16816.0	16816.0	16816.0	16816.0	16816.0
12.5°	17197.3	17197.3	17197.3	17197.3	17197.3
15°	17657.0	17657.0	17657.0	17657.0	17657.0
17.5°	18183.1	18183.1	18183.1	18183.1	18183.1
20°	18751.3	18751.3	18751.3	18751.3	18751.3
22.5°	19323.5	19323.5	19323.5	19323.5	19323.5
25°	19806.3	19806.3	19806.3	19806.3	19806.3
27.5°	20066.2	20066.2	20066.2	20066.2	20066.2
30°	19996.4	19996.4	19996.4	19996.4	19996.4
32.5°	19403.6	19403.6	19403.6	19403.6	19403.6
35°	18161.2	18161.2	18161.2	18161.2	18161.2
37.5°	16223.9	16223.9	16223.9	16223.9	16223.9
40°	13609.1	13609.1	13609.1	13609.1	13609.1
42.5°	10651.7	10651.7	10651.7	10651.7	10651.7
45°	7852.1	7852.1	7852.1	7852.1	7852.1
47.5°	5612.2	5612.2	5612.2	5612.2	5612.2
50°	4188.1	4188.1	4188.1	4188.1	4188.1
52.5°	3391.1	3391.1	3391.1	3391.1	3391.1
55°	2873.4	2873.4	2873.4	2873.4	2873.4
57.5°	2495.2	2495.2	2495.2	2495.2	2495.2
60°	2192.6	2192.6	2192.6	2192.6	2192.6
62.5°	1940.6	1940.6	1940.6	1940.6	1940.6
65°	1719.5	1719.5	1719.5	1719.5	1719.5
67.5°	1524.2	1524.2	1524.2	1524.2	1524.2
70°	1329.7	1329.7	1329.7	1329.7	1329.7
72.5°	1135.8	1135.8	1135.8	1135.8	1135.8
75°	943.2	943.2	943.2	943.2	943.2
77.5°	757.6	757.6	757.6	757.6	757.6
80°	574.0	574.0	574.0	574.0	574.0
82.5°	393.7	393.7	393.7	393.7	393.7
85°	221.1	221.1	221.1	221.1	221.1
87.5°	69.8	69.8	69.8	69.8	69.8
90°	9.5	14.5	24.0	15.7	9.5
92.5°	12.6	20.8	37.2	19.5	11.3
95°	15.2	24.5	52.3	26.5	17.0
97.5°	18.9	27.1	59.9	32.1	25.9
100°	24.5	31.5	92.5	39.1	34.0
102.5°	40.9	65.5	195.1	72.4	51.1
105°	69.9	136.6	346.7	150.4	91.9
107.5°	120.2	243.5	456.7	265.6	173.1
110°	224.1	323.4	479.5	364.9	276.9

TEST NUMBER: P1432443
CATALOG NUMBER: EHBR1-42-UNV-W-L830-UPL12

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	*302.1*	347.3	459.4	402.7	359.9
115°	*317.8*	334.1	410.3	393.2	390.8
117.5°	*307.1*	305.2	348.6	353.6	377.6
120°	*284.5*	271.8	291.3	308.9	341.1
122.5°	*256.1*	241.0	249.8	263.0	295.2
125°	*230.3*	215.3	221.0	224.1	251.1
127.5°	*207.1*	197.0	200.2	196.4	213.4
130°	*192.0*	183.2	187.6	178.8	187.0
132.5°	*180.0*	174.3	179.4	168.7	171.2
135°	*171.2*	166.2	171.9	161.8	161.2
137.5°	*163.7*	159.3	165.0	157.5	155.5
140°	*157.5*	153.7	160.0	154.4	153.1
142.5°	*150.0*	147.4	155.0	151.2	150.0
145°	*144.9*	143.0	151.3	149.3	148.7
147.5°	*140.6*	139.3	146.9	146.2	146.2
150°	*136.2*	134.9	142.5	141.8	142.5
152.5°	*131.8*	130.5	137.4	136.8	137.4
155°	*129.3*	128.0	133.7	133.7	133.7
157.5°	*126.7*	126.1	130.6	130.6	130.6
160°	*125.4*	124.8	128.6	128.6	128.0
162.5°	*124.2*	123.6	128.0	127.3	127.3
165°	*122.9*	122.9	126.1	126.1	125.4
167.5°	*122.9*	122.3	125.4	125.4	124.9
170°	*122.3*	122.3	124.9	124.2	123.6
172.5°	*123.0*	123.0	125.5	124.9	124.2
175°	*123.0*	123.0	124.9	124.9	124.9
177.5°	*123.6*	123.6	124.9	124.9	124.2
180°	*124.9*	124.9	124.9	124.9	124.9

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Scaled Data Report

TEST NUMBER: P1432443
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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	19.31	20.57	19.72	20.94	21.33	19.31	20.57	19.72	20.94	21.33
	3H	20.81	21.93	21.24	22.32	22.76	20.81	21.93	21.24	22.32	22.76
	4H	21.37	22.42	21.82	22.83	23.28	21.37	22.42	21.82	22.83	23.28
	6H	21.76	22.72	22.22	23.15	23.61	21.76	22.72	22.22	23.15	23.61
	8H	21.86	22.77	22.34	23.22	23.69	21.86	22.77	22.34	23.22	23.69
	12H	21.90	22.77	22.38	23.21	23.71	21.90	22.77	22.38	23.21	23.71
4H	2H	19.76	20.80	20.21	21.21	21.66	19.76	20.80	20.21	21.21	21.66
	3H	21.48	22.34	21.94	22.80	23.27	21.48	22.34	21.94	22.80	23.27
	4H	22.16	22.93	22.64	23.40	23.91	22.16	22.93	22.64	23.40	23.91
	6H	22.66	23.32	23.17	23.82	24.35	22.66	23.32	23.17	23.82	24.35
	8H	22.79	23.41	23.31	23.91	24.45	22.79	23.41	23.31	23.91	24.45
	12H	22.85	23.40	23.39	23.94	24.48	22.85	23.40	23.39	23.94	24.48
8H	4H	22.36	22.99	22.88	23.48	24.02	22.36	22.99	22.88	23.48	24.02
	6H	22.96	23.47	23.51	24.02	24.56	22.96	23.47	23.51	24.02	24.56
	8H	23.15	23.60	23.72	24.17	24.72	23.15	23.60	23.72	24.17	24.72
	12H	23.26	23.66	23.82	24.20	24.84	23.26	23.66	23.82	24.20	24.84
12H	4H	22.36	22.91	22.90	23.45	23.99	22.36	22.91	22.90	23.45	23.99
	6H	22.98	23.43	23.54	24.00	24.55	22.98	23.43	23.54	24.00	24.55
	8H	23.20	23.60	23.77	24.15	24.78	23.20	23.60	23.77	24.15	24.78

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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

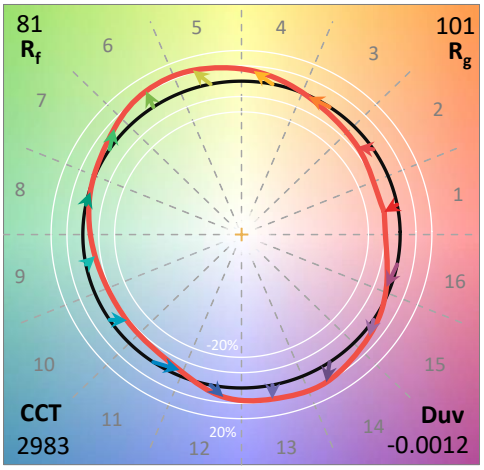
Test Information

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

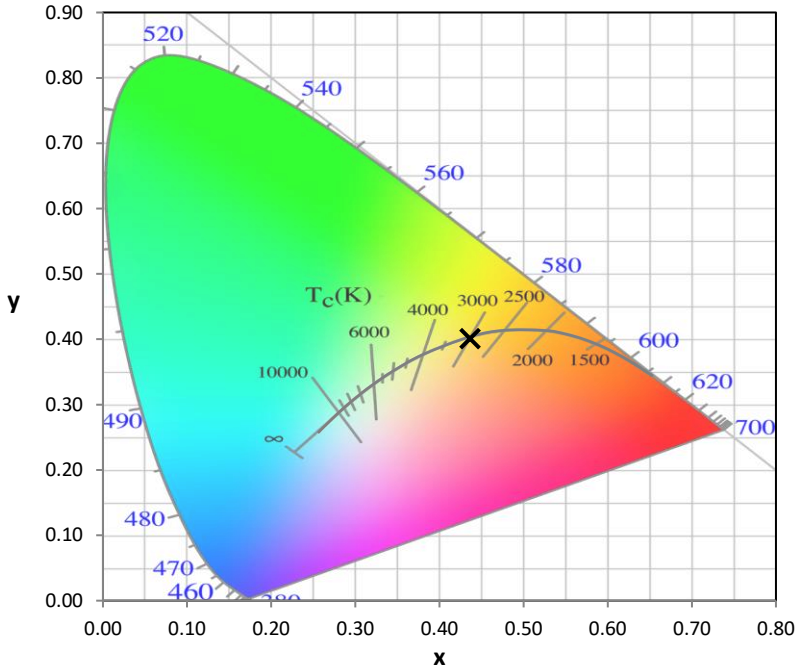
Stabilization Time:	38M
Operation Time:	1H 38M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2506-472-2

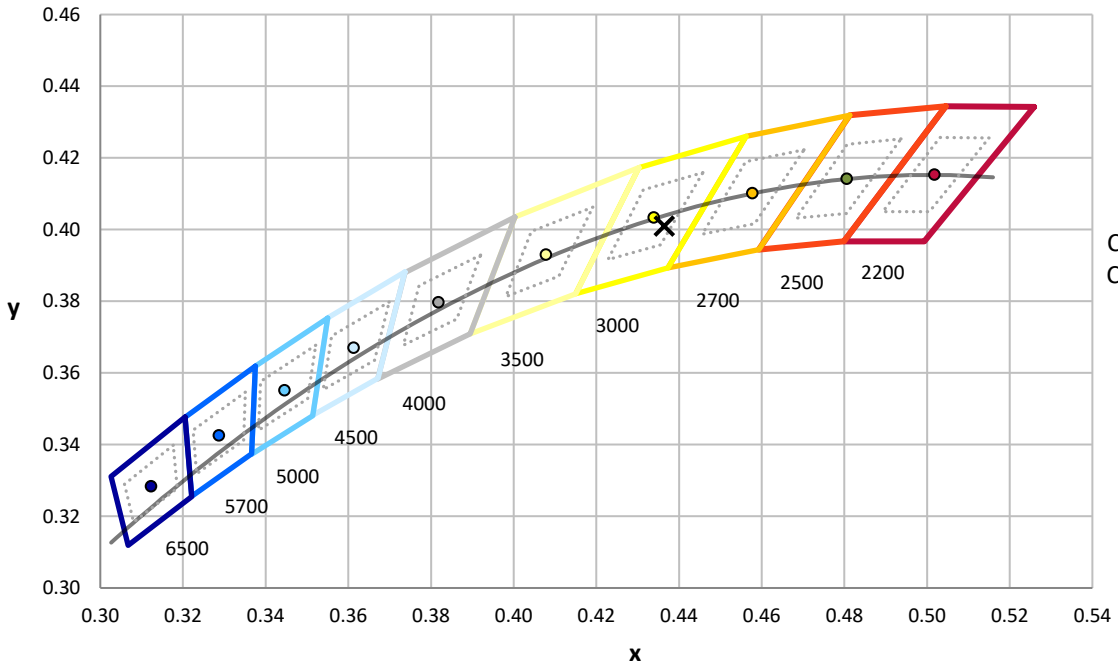
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208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

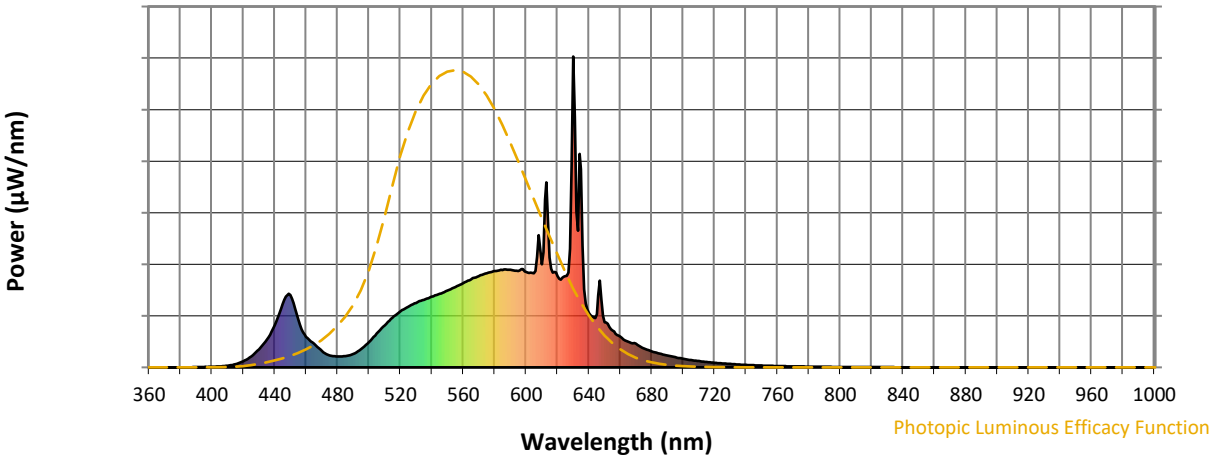


CCT = 2983K
CIE x = 0.4364
CIE y = 0.4010
Duv = -0.0012

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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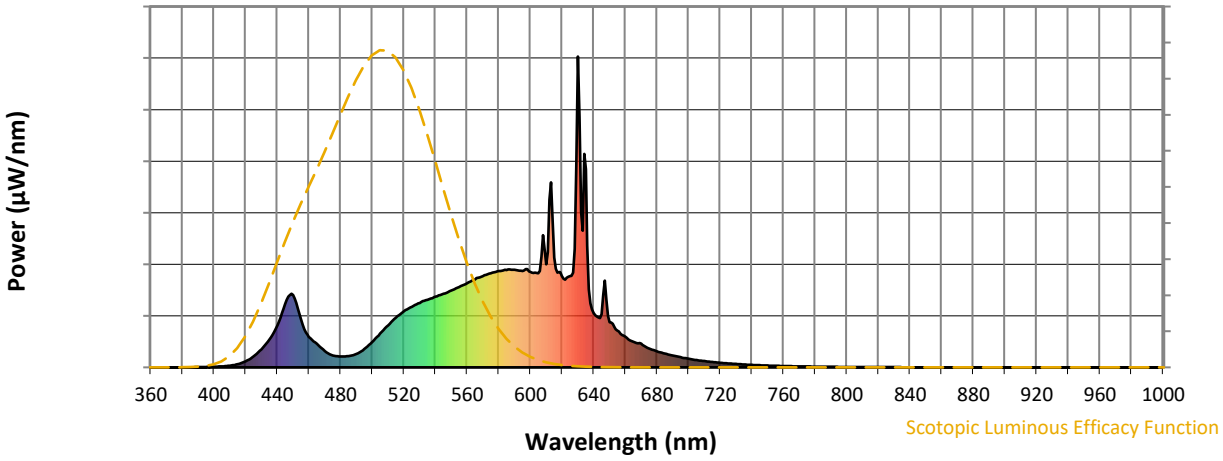
Scotopic Flux vs. Wavelength



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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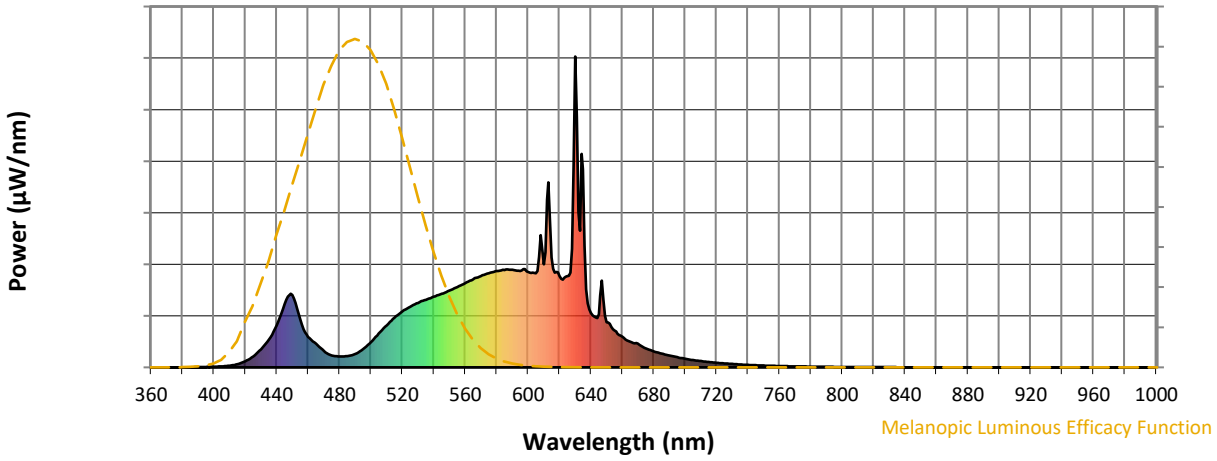
Melanopic Flux vs. Wavelength



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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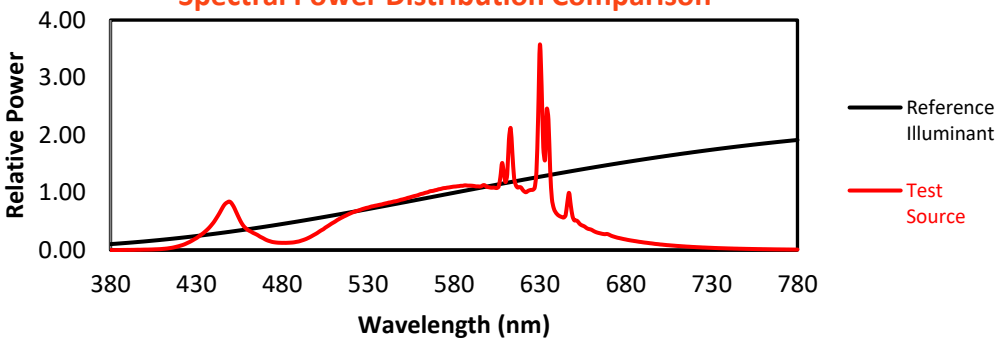
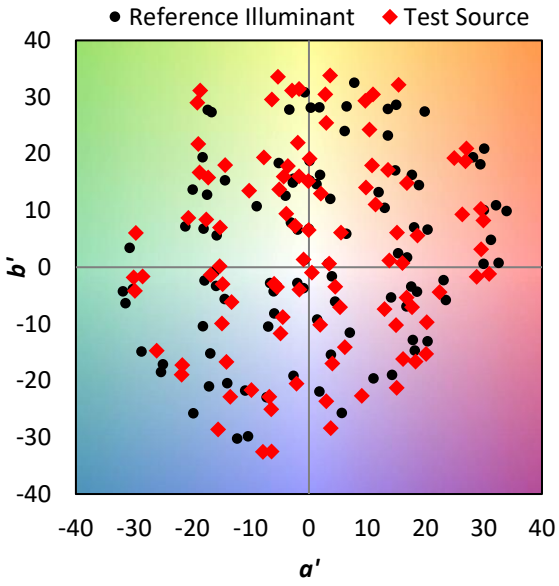
Summary

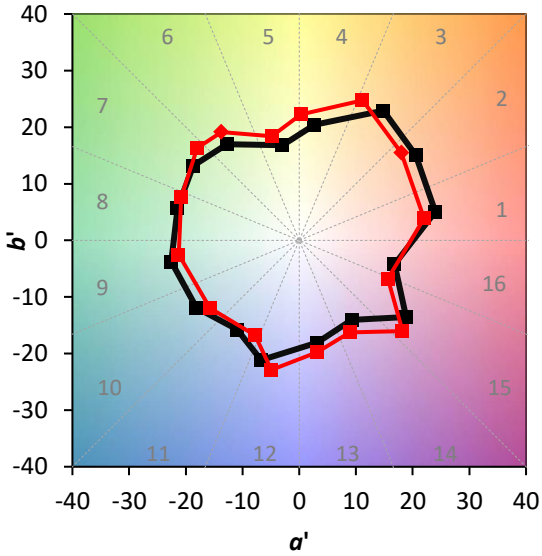
R_f = 81.2
R_g = 101.5
CIE R_a = 83.4
R_9 = 29.4

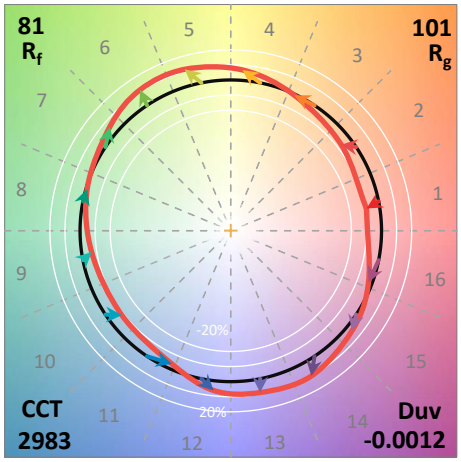
Spectral Power Distribution Comparison

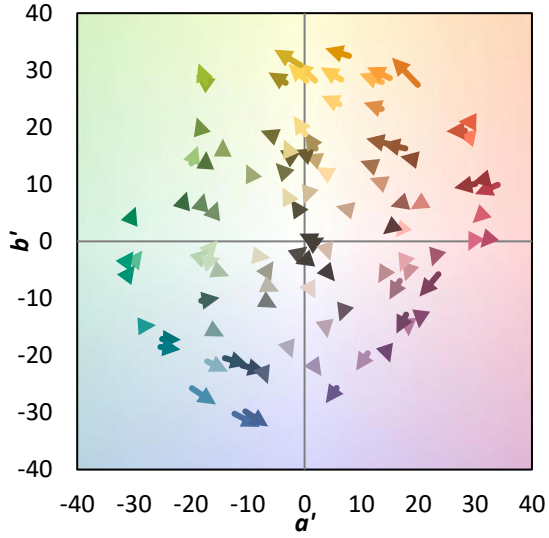


Color Vector Graphics









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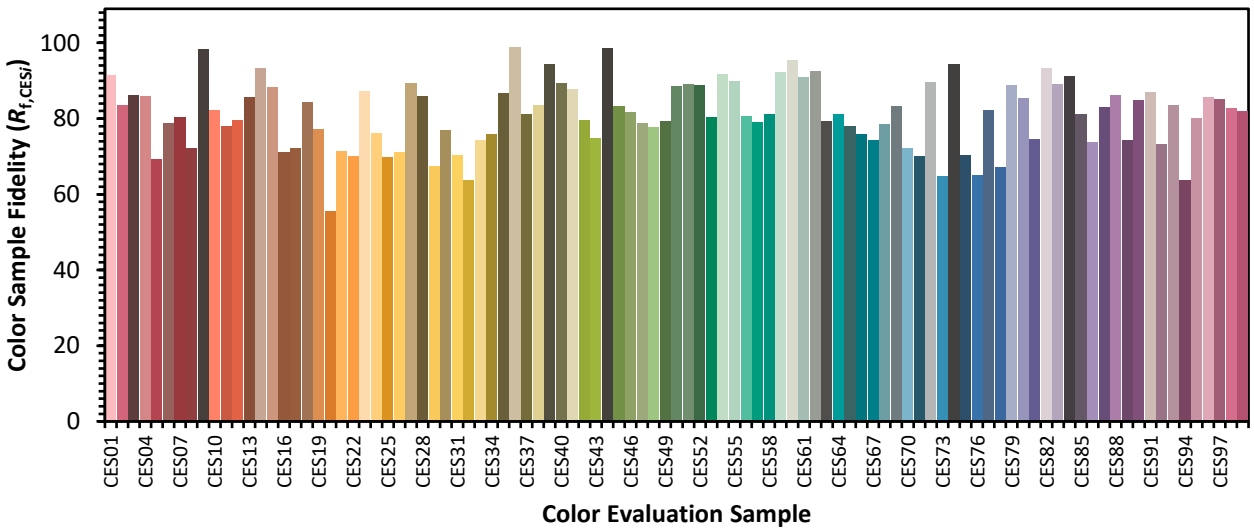
Individual Sample Fidelity Index ($R_{f,i}$)

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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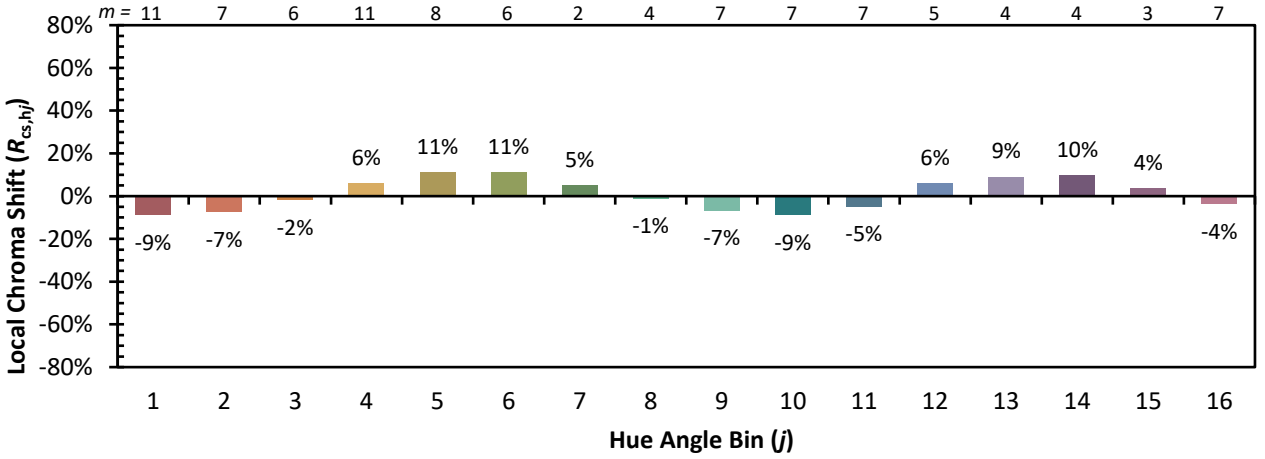
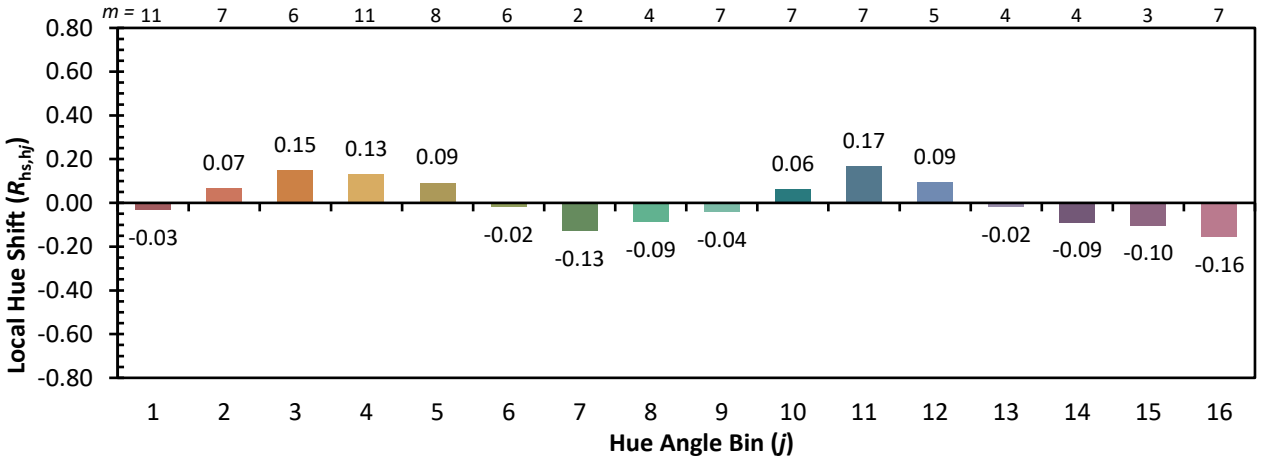
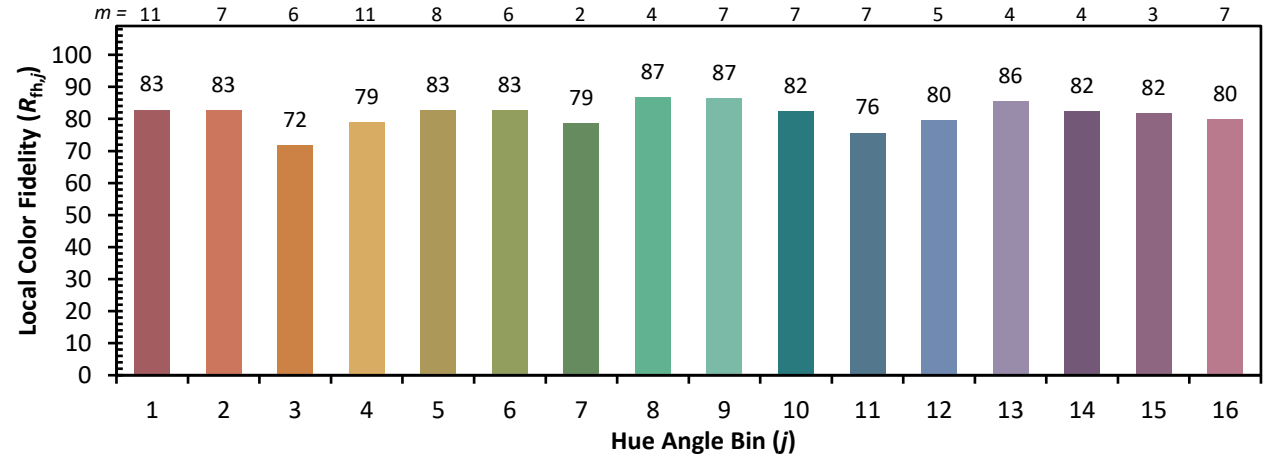
Color Rendition by Hue-Angle Bin







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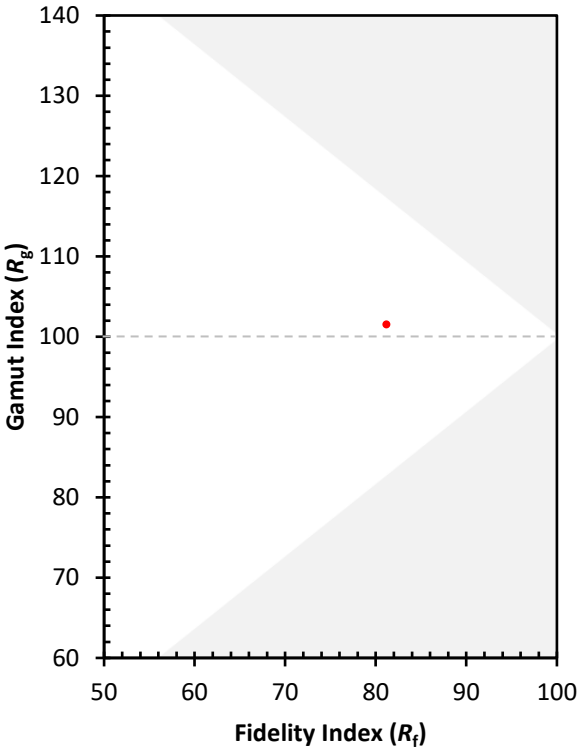
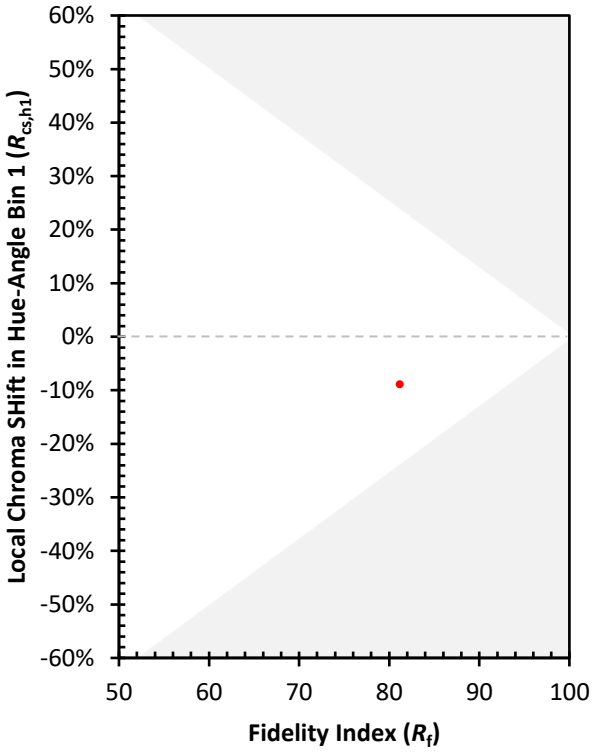
Measure Comparisons





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