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: P1433409

Luminaire Tested: EHBR1-60-UNV-W-L930-UPL40

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:	P1433409
	REPORT IS A COMBINATION OF REPORTS P1431922 AND P1431635
Test Lab:	INNOVATION CENTER
Issue Date:	3/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	METALUX
Catalog Number:	EHBR1-60-UNV-W-L930-UPL40
Description:	Elevate Round Highbay at, 60000 lumens, 3000K 90CRI LEDs with W lens
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	56089.5 lumens
Efficiency:	N/A
Efficacy:	155.4 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):	361
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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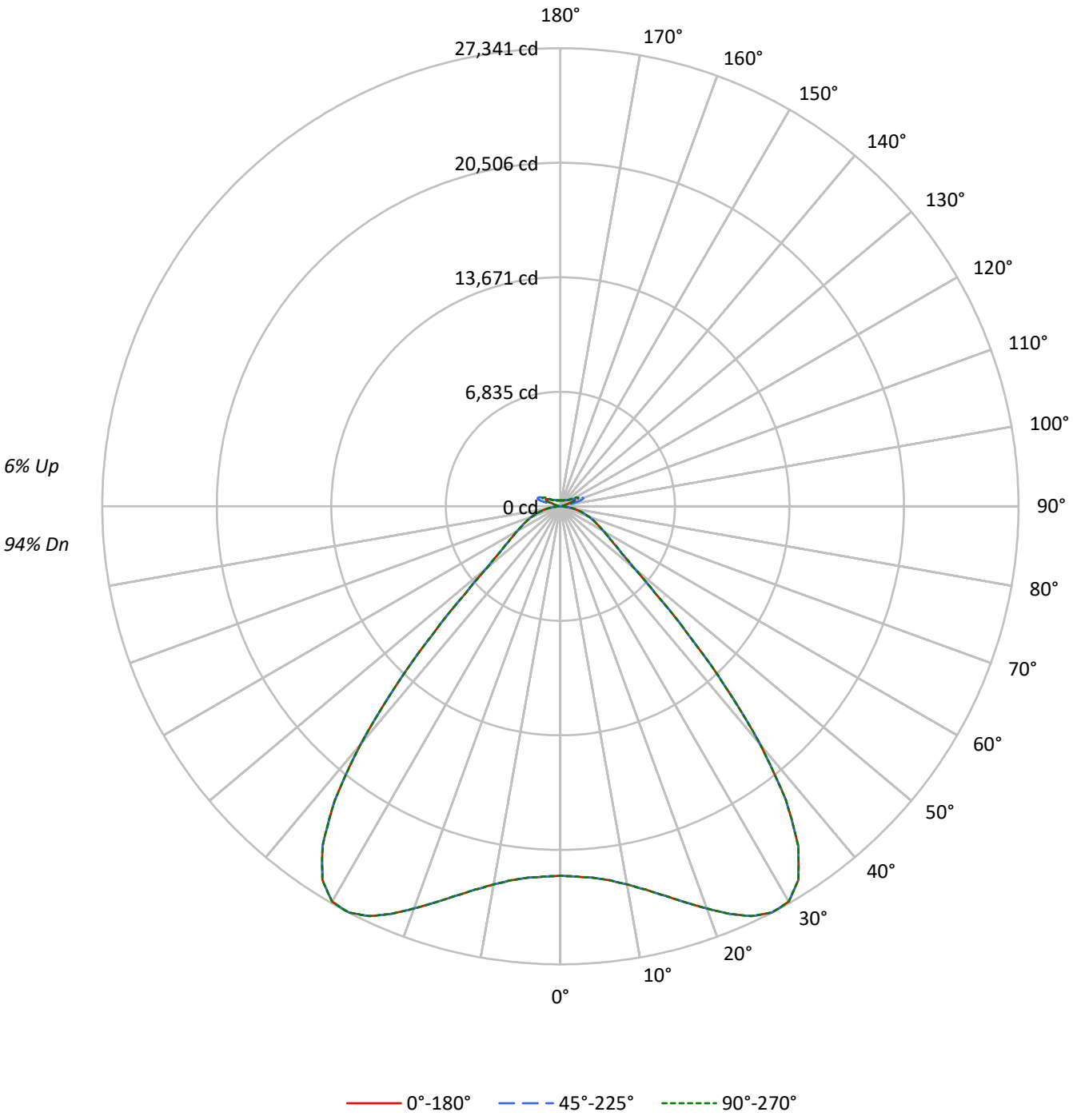
Luminous Intensity Polar Plot



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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	114	114	114	114	108	108	108	102	102	102	96	96	96	94
1	110	106	103	100	107	103	100	97	98	96	93	93	91	89	89	87	86	84
2	102	95	90	85	99	93	88	84	89	85	81	85	81	78	81	78	76	74
3	95	86	79	74	92	84	78	73	80	75	71	77	73	69	74	70	67	65
4	88	78	71	65	85	76	70	64	73	67	63	70	65	62	68	64	60	58
5	82	71	63	58	79	70	62	57	67	61	56	64	59	55	62	58	54	52
6	76	65	57	52	74	64	56	51	61	55	50	59	54	49	57	52	49	47
7	71	59	52	46	69	58	51	46	56	50	45	54	49	45	53	48	44	42
8	67	55	47	42	65	54	47	42	52	46	41	50	45	40	49	44	40	38
9	62	50	43	38	61	50	43	38	48	42	37	47	41	37	45	40	36	35
10	59	47	39	35	57	46	39	35	45	38	34	43	38	34	42	37	33	32

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	103532	103532	103532
5°	104220	104220	104220
10°	107841	107841	107841
15°	114674	114674	114674
20°	124310	124310	124310
25°	135137	135137	135137
30°	141646	141646	141646
35°	134824	134824	134824
40°	106983	106983	106983
45°	66125	66125	66125
50°	38290	38290	38290
55°	28970	28970	28970
60°	24851	24851	24851
65°	22445	22445	22445
70°	20649	20649	20649
75°	18241	18241	18241
80°	14869	14869	14869
85°	8764	8764	8764

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 66125 cd/sqm

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CATALOG NUMBER: EHBR1-60-UNV-W-L930-UPL40

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2145.0	3.8
10°-20°	6876.7	12.3
20°-30°	12412.6	22.1
30°-40°	14999.4	26.7
40°-50°	8569.6	15.3
50°-60°	3629.5	6.5
60°-70°	2341.0	4.2
70°-80°	1361.2	2.4
80°-90°	366.4	0.7
90°-100°	97.3	0.2
100°-110°	601.3	1.1
110°-120°	1074.4	1.9
120°-130°	631.8	1.1
130°-140°	391.2	0.7
140°-150°	274.7	0.5
150°-160°	179.8	0.3
160°-170°	103.3	0.2
170°-180°	34.3	0.1
0°-30°	21434.3	38.2
0°-40°	36433.7	65.0
0°-60°	48632.9	86.7
0°-90°	52701.4	94.0
90°-120°	1773.1	3.2
90°-150°	3070.7	5.5
90°-180°	3388.0	6.0
0°-180°	56089.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22046	22046	22046	22046	22046	
5°	22253	22253	22253	22253	22253	2145
15°	24058	24058	24058	24058	24058	6877
25°	26987	26987	26987	26987	26987	12413
35°	24745	24745	24745	24745	24745	14999
45°	10699	10699	10699	10699	10699	8570
55°	3915	3915	3915	3915	3915	3630
65°	2343	2343	2343	2343	2343	2341
75°	1285	1285	1285	1285	1285	1361
85°	301	301	301	301	301	347
90°	27	42	71	46	27	25
95°	44	73	157	79	50	42
105°	211	415	1056	457	278	282
115°	967	1017	1249	1197	1189	891
125°	699	653	670	680	762	637
135°	514	499	516	485	483	402
145°	428	422	447	442	440	271
155°	378	374	392	392	392	176
165°	357	357	366	366	364	102
175°	355	355	360	360	360	34
180°	360	360	360	360	360	

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TEST NUMBER: P1433409
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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	22046.4	22046.4	22046.4	22046.4	22046.4
2.5°	22120.4	22120.4	22120.4	22120.4	22120.4
5°	22252.6	22252.6	22252.6	22252.6	22252.6
7.5°	22512.3	22512.3	22512.3	22512.3	22512.3
10°	22912.3	22912.3	22912.3	22912.3	22912.3
12.5°	23431.9	23431.9	23431.9	23431.9	23431.9
15°	24058.1	24058.1	24058.1	24058.1	24058.1
17.5°	24775.0	24775.0	24775.0	24775.0	24775.0
20°	25549.3	25549.3	25549.3	25549.3	25549.3
22.5°	26328.7	26328.7	26328.7	26328.7	26328.7
25°	26986.7	26986.7	26986.7	26986.7	26986.7
27.5°	27340.7	27340.7	27340.7	27340.7	27340.7
30°	27245.6	27245.6	27245.6	27245.6	27245.6
32.5°	26438.0	26438.0	26438.0	26438.0	26438.0
35°	24745.1	24745.1	24745.1	24745.1	24745.1
37.5°	22105.4	22105.4	22105.4	22105.4	22105.4
40°	18542.8	18542.8	18542.8	18542.8	18542.8
42.5°	14513.3	14513.3	14513.3	14513.3	14513.3
45°	10698.7	10698.7	10698.7	10698.7	10698.7
47.5°	7646.8	7646.8	7646.8	7646.8	7646.8
50°	5706.5	5706.5	5706.5	5706.5	5706.5
52.5°	4620.5	4620.5	4620.5	4620.5	4620.5
55°	3915.0	3915.0	3915.0	3915.0	3915.0
57.5°	3399.8	3399.8	3399.8	3399.8	3399.8
60°	2987.5	2987.5	2987.5	2987.5	2987.5
62.5°	2644.1	2644.1	2644.1	2644.1	2644.1
65°	2342.8	2342.8	2342.8	2342.8	2342.8
67.5°	2076.8	2076.8	2076.8	2076.8	2076.8
70°	1811.8	1811.8	1811.8	1811.8	1811.8
72.5°	1547.5	1547.5	1547.5	1547.5	1547.5
75°	1285.0	1285.0	1285.0	1285.0	1285.0
77.5°	1032.3	1032.3	1032.3	1032.3	1032.3
80°	782.2	782.2	782.2	782.2	782.2
82.5°	536.4	536.4	536.4	536.4	536.4
85°	301.2	301.2	301.2	301.2	301.2
87.5°	95.1	95.1	95.1	95.1	95.1
90°	26.7	42.2	70.9	46.0	26.7
92.5°	37.3	62.4	112.3	58.5	33.5
95°	44.0	72.8	157.3	78.6	49.8
97.5°	55.5	80.5	180.4	95.9	76.6
100°	72.8	93.9	280.3	117.0	101.7
102.5°	122.8	197.7	593.2	218.8	153.5
105°	211.1	414.6	1056.0	456.9	278.3
107.5°	364.7	741.1	1392.0	808.3	526.0
110°	680.6	983.9	1460.1	1110.6	841.9

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	*918.7*	1056.9	1398.7	1225.9	1095.3
115°	*966.6*	1016.6	1248.9	1197.1	1189.4
117.5°	*934.0*	928.2	1060.7	1076.1	1149.0
120°	*864.9*	826.4	886.0	939.8	1037.7
122.5°	*778.5*	732.3	759.3	799.6	897.6
125°	*698.7*	652.6	669.9	679.5	762.1
127.5°	*627.6*	596.9	606.5	595.0	646.9
130°	*580.5*	553.6	567.0	540.1	565.1
132.5°	*541.9*	524.6	539.9	507.3	515.0
135°	*514.0*	498.6	515.9	485.2	483.3
137.5°	*489.9*	476.5	493.8	470.7	465.0
140°	*468.7*	457.2	476.3	459.0	455.2
142.5°	*444.6*	436.9	459.9	448.4	444.6
145°	*428.1*	422.3	447.3	441.6	439.6
147.5°	*413.7*	409.8	432.8	431.0	431.0
150°	*400.2*	396.4	419.4	417.5	419.4
152.5°	*386.8*	382.9	404.0	402.1	404.0
155°	*378.0*	374.2	391.5	391.5	391.5
157.5°	*370.4*	368.4	381.9	381.9	381.9
160°	*365.5*	363.6	375.1	375.1	373.2
162.5°	*360.6*	358.7	372.1	370.2	370.2
165°	*356.8*	356.8	366.3	366.3	364.5
167.5°	*356.8*	354.9	364.5	364.5	362.5
170°	*354.9*	354.9	362.5	360.6	358.7
172.5°	*355.7*	355.7	363.4	361.5	359.6
175°	*354.8*	354.8	360.5	360.5	360.5
177.5°	*356.6*	356.6	360.5	360.5	358.6
180°	*359.5*	359.5	359.5	359.5	359.5

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TEST NUMBER: P1433409
CATALOG NUMBER: EHBR1-60-UNV-W-L930-UPL40

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	20.13	21.34	20.60	21.78	22.25	20.13	21.34	20.60	21.78	22.25
	3H	21.63	22.70	22.12	23.16	23.67	21.63	22.70	22.12	23.16	23.67
	4H	22.19	23.19	22.70	23.67	24.20	22.19	23.19	22.70	23.67	24.20
	6H	22.58	23.50	23.10	23.99	24.53	22.58	23.50	23.10	23.99	24.53
	8H	22.68	23.55	23.21	24.06	24.61	22.68	23.55	23.21	24.06	24.61
	12H	22.71	23.55	23.25	24.05	24.62	22.71	23.55	23.25	24.05	24.62
4H	2H	20.58	21.58	21.08	22.05	22.58	20.58	21.58	21.08	22.05	22.58
	3H	22.30	23.12	22.81	23.64	24.19	22.30	23.12	22.81	23.64	24.19
	4H	22.97	23.71	23.51	24.24	24.83	22.97	23.71	23.51	24.24	24.83
	6H	23.47	24.11	24.03	24.66	25.27	23.47	24.11	24.03	24.66	25.27
	8H	23.60	24.20	24.17	24.75	25.36	23.60	24.20	24.17	24.75	25.36
	12H	23.66	24.19	24.25	24.78	25.39	23.66	24.19	24.25	24.78	25.39
8H	4H	23.18	23.77	23.75	24.33	24.94	23.18	23.77	23.75	24.33	24.94
	6H	23.77	24.26	24.37	24.86	25.48	23.77	24.26	24.37	24.86	25.48
	8H	23.96	24.40	24.58	25.01	25.64	23.96	24.40	24.58	25.01	25.64
	12H	24.07	24.45	24.68	25.05	25.75	24.07	24.45	24.68	25.05	25.75
12H	4H	23.17	23.70	23.76	24.29	24.90	23.17	23.70	23.76	24.29	24.90
	6H	23.79	24.23	24.41	24.84	25.47	23.79	24.23	24.41	24.84	25.47
	8H	24.01	24.40	24.63	25.00	25.70	24.01	24.40	24.63	25.00	25.70

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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: SP1-2506-472-5

Test Date: 08/01/2025

Luminaire Tested: EHBR-60-L930-N

Data in this report applies to families of products including EHBR-60-L930-N

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

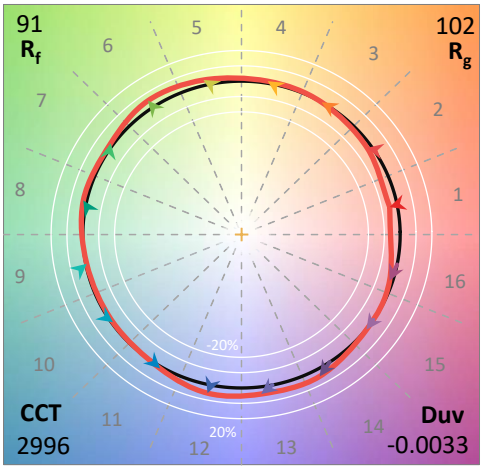
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2506-472-5
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-L930-N**
Description:	Elevate Round Highbay at, 60000 lumens, 3000K 90CRI LEDs with N lens

Spectral Parameters

CCT (K):	2996
CIE u':	0.2519
CIE v':	0.5169
Duv:	-0.0033
CIE x:	0.4325
CIE y:	0.3945
CIE z:	0.1730
Peak Wavelength (nm):	630
Dominant Wavelength (nm):	584
Purity:	48.21818
Rf:	91.3
Rg:	102

CRI (Ra):	94.4
R1:	96.8
R2:	98.1
R3:	97.8
R4:	95.6
R5:	96.9
R6:	95.7
R7:	90.9
R8:	83.0
R9:	61.4
R10:	94.4
R11:	95.7
R12:	88.5
R13:	97.3
R14:	97.8
R15:	92.3



Test Conditions

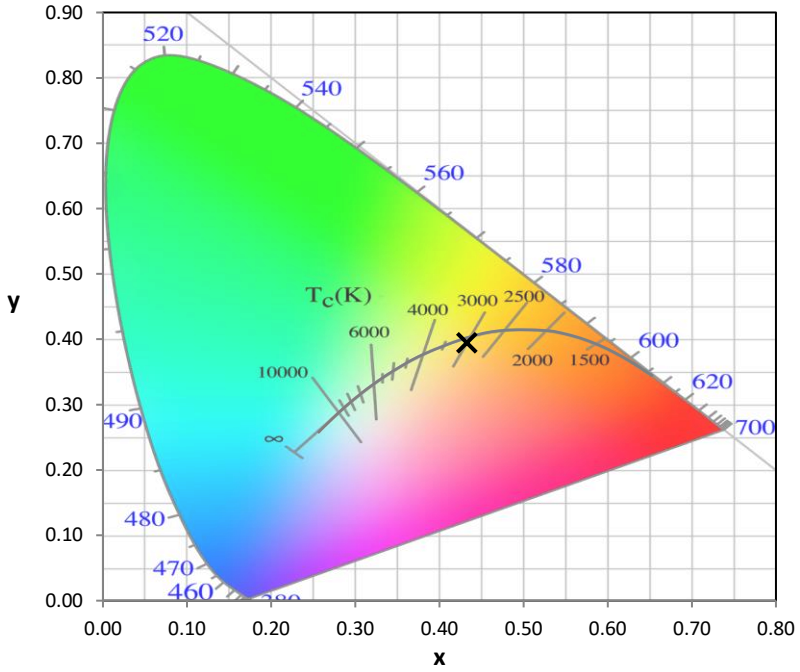
Stabilization Time:	40M
Operation Time:	1H 40M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2506-472-5

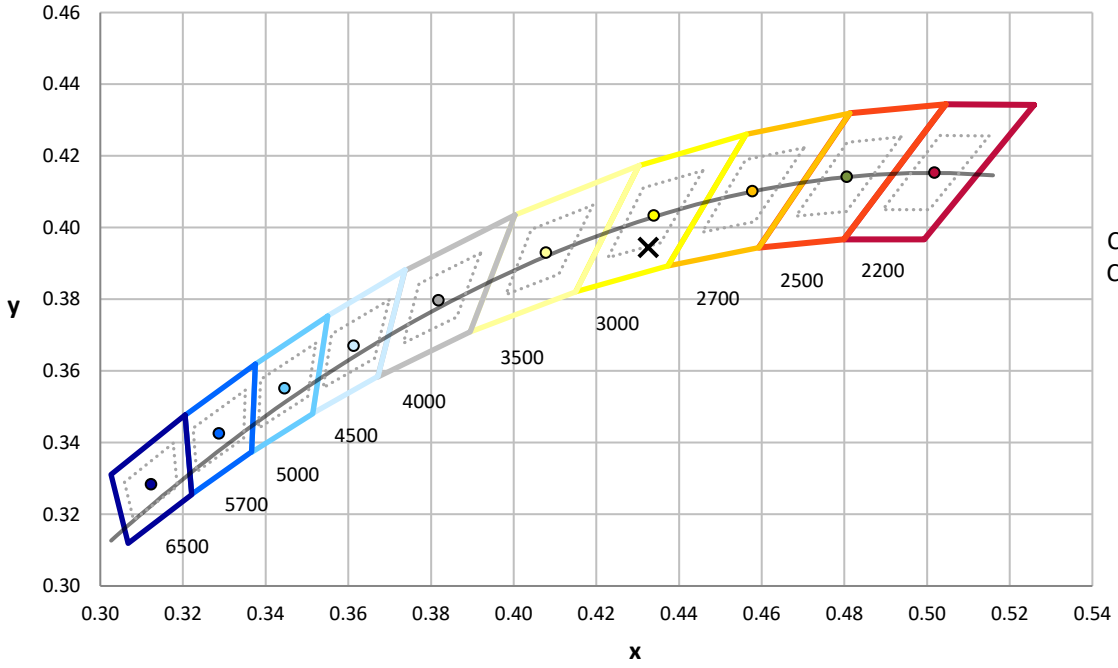
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208	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: SP1-2506-472-5

CIE 1931 Chromaticity Diagram



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

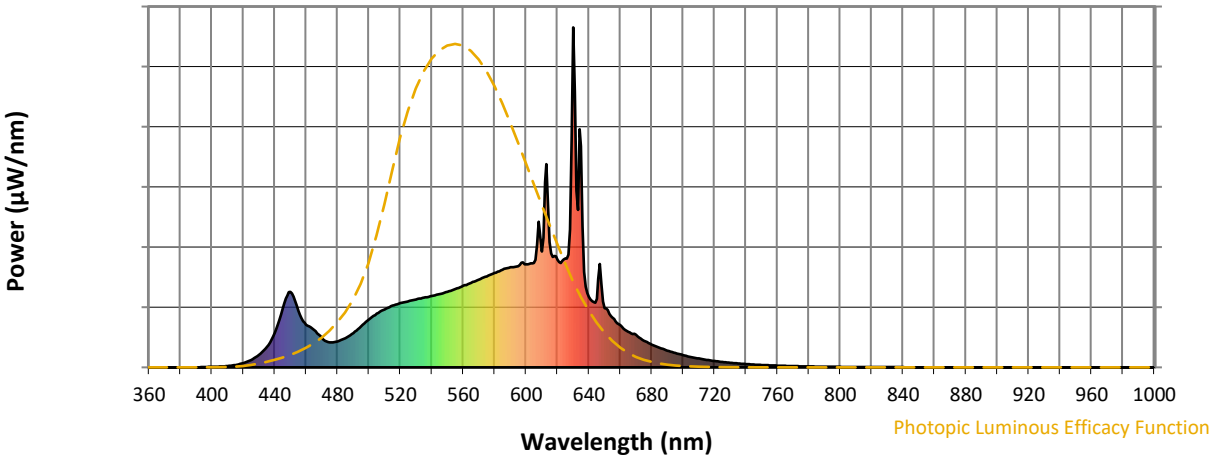


CCT = 2996K
CIE x = 0.4325
CIE y = 0.3945
Duv = -0.0033

Point lies inside the ANSI 3000K 7-step quadrangle

REPORT NUMBER: SP1-2506-472-5

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	101	NR	620	317	NR	750	7	NR	880	0	NR
365	0	NR	495	121	NR	625	320	NR	755	6	NR	885	0	NR
370	0	NR	500	141	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	158	NR	635	651	NR	765	4	NR	895	0	NR
380	0	NR	510	171	NR	640	207	NR	770	4	NR	900	0	NR
385	0	NR	515	182	NR	645	201	NR	775	3	NR	905	0	NR
390	0	NR	520	189	NR	650	174	NR	780	3	NR	910	0	NR
395	1	NR	525	194	NR	655	146	NR	785	2	NR	915	0	NR
400	1	NR	530	199	NR	660	124	NR	790	2	NR	920	0	NR
405	3	NR	535	205	NR	665	105	NR	795	2	NR	925	0	NR
410	4	NR	540	210	NR	670	96	NR	800	1	NR	930	0	NR
415	7	NR	545	216	NR	675	79	NR	805	1	NR	935	0	NR
420	13	NR	550	222	NR	680	67	NR	810	1	NR	940	0	NR
425	22	NR	555	230	NR	685	58	NR	815	1	NR	945	0	NR
430	37	NR	560	240	NR	690	49	NR	820	1	NR	950	0	NR
435	60	NR	565	248	NR	695	42	NR	825	1	NR	955	0	NR
440	101	NR	570	258	NR	700	36	NR	830	1	NR	960	0	NR
445	172	NR	575	268	NR	705	30	NR	835	1	NR	965	0	NR
450	223	NR	580	278	NR	710	26	NR	840	1	NR	970	0	NR
455	167	NR	585	287	NR	715	22	NR	845	0	NR	975	0	NR
460	126	NR	590	295	NR	720	19	NR	850	0	NR	980	0	NR
465	111	NR	595	298	NR	725	16	NR	855	0	NR	985	0	NR
470	86	NR	600	303	NR	730	14	NR	860	0	NR	990	0	NR
475	74	NR	605	307	NR	735	12	NR	865	0	NR	995	0	NR
480	77	NR	610	341	NR	740	10	NR	870	0	NR	1000	0	NR
485	86	NR	615	368	NR	745	8	NR	875	0	NR			

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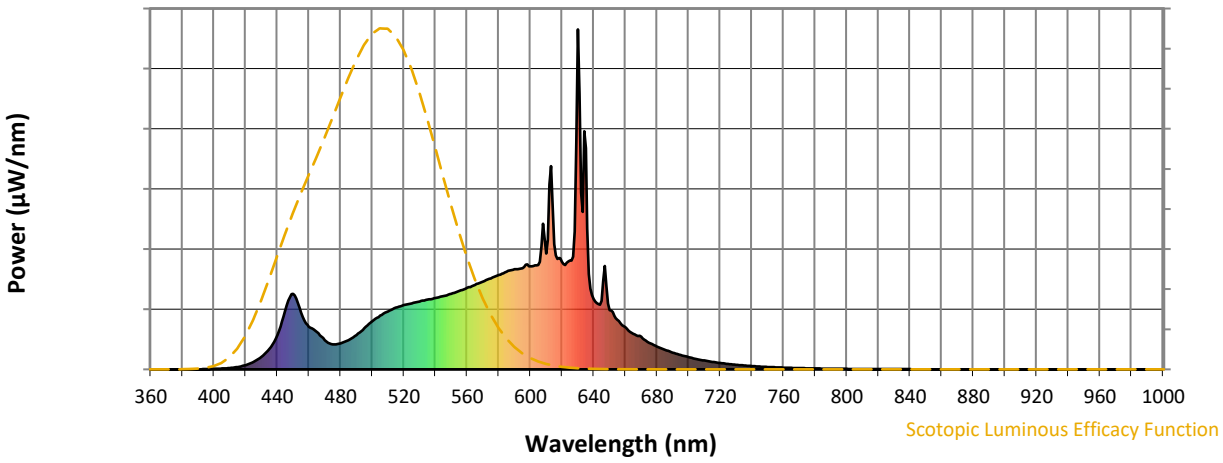
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.44**

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	101	NR	620	317	NR	750	7	NR	880	0	NR
365	0	NR	495	121	NR	625	320	NR	755	6	NR	885	0	NR
370	0	NR	500	141	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	158	NR	635	651	NR	765	4	NR	895	0	NR
380	0	NR	510	171	NR	640	207	NR	770	4	NR	900	0	NR
385	0	NR	515	182	NR	645	201	NR	775	3	NR	905	0	NR
390	0	NR	520	189	NR	650	174	NR	780	3	NR	910	0	NR
395	1	NR	525	194	NR	655	146	NR	785	2	NR	915	0	NR
400	1	NR	530	199	NR	660	124	NR	790	2	NR	920	0	NR
405	3	NR	535	205	NR	665	105	NR	795	2	NR	925	0	NR
410	4	NR	540	210	NR	670	96	NR	800	1	NR	930	0	NR
415	7	NR	545	216	NR	675	79	NR	805	1	NR	935	0	NR
420	13	NR	550	222	NR	680	67	NR	810	1	NR	940	0	NR
425	22	NR	555	230	NR	685	58	NR	815	1	NR	945	0	NR
430	37	NR	560	240	NR	690	49	NR	820	1	NR	950	0	NR
435	60	NR	565	248	NR	695	42	NR	825	1	NR	955	0	NR
440	101	NR	570	258	NR	700	36	NR	830	1	NR	960	0	NR
445	172	NR	575	268	NR	705	30	NR	835	1	NR	965	0	NR
450	223	NR	580	278	NR	710	26	NR	840	1	NR	970	0	NR
455	167	NR	585	287	NR	715	22	NR	845	0	NR	975	0	NR
460	126	NR	590	295	NR	720	19	NR	850	0	NR	980	0	NR
465	111	NR	595	298	NR	725	16	NR	855	0	NR	985	0	NR
470	86	NR	600	303	NR	730	14	NR	860	0	NR	990	0	NR
475	74	NR	605	307	NR	735	12	NR	865	0	NR	995	0	NR
480	77	NR	610	341	NR	740	10	NR	870	0	NR	1000	0	NR
485	86	NR	615	368	NR	745	8	NR	875	0	NR			

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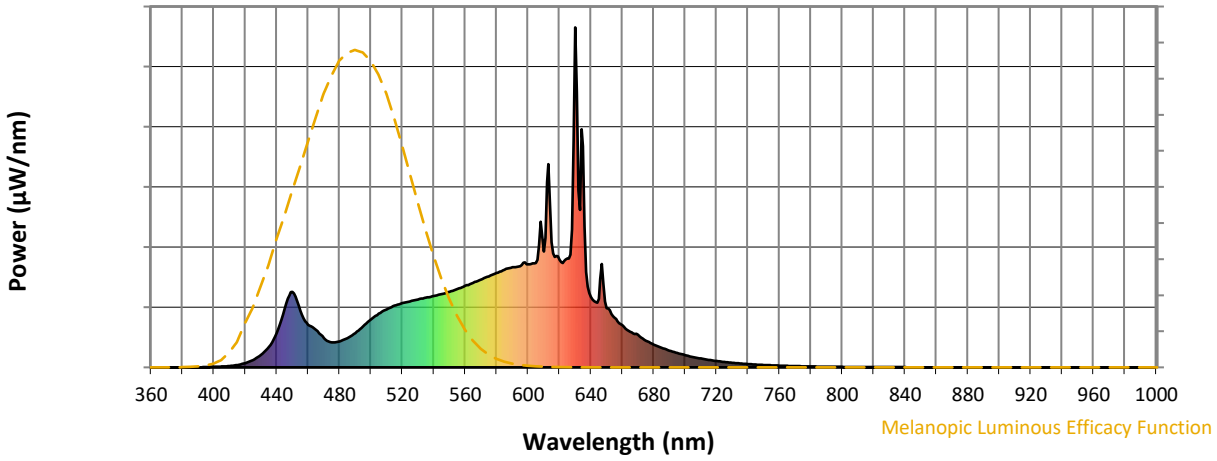
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.85**

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	101	NR	620	317	NR	750	7	NR	880	0	NR
365	0	NR	495	121	NR	625	320	NR	755	6	NR	885	0	NR
370	0	NR	500	141	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	158	NR	635	651	NR	765	4	NR	895	0	NR
380	0	NR	510	171	NR	640	207	NR	770	4	NR	900	0	NR
385	0	NR	515	182	NR	645	201	NR	775	3	NR	905	0	NR
390	0	NR	520	189	NR	650	174	NR	780	3	NR	910	0	NR
395	1	NR	525	194	NR	655	146	NR	785	2	NR	915	0	NR
400	1	NR	530	199	NR	660	124	NR	790	2	NR	920	0	NR
405	3	NR	535	205	NR	665	105	NR	795	2	NR	925	0	NR
410	4	NR	540	210	NR	670	96	NR	800	1	NR	930	0	NR
415	7	NR	545	216	NR	675	79	NR	805	1	NR	935	0	NR
420	13	NR	550	222	NR	680	67	NR	810	1	NR	940	0	NR
425	22	NR	555	230	NR	685	58	NR	815	1	NR	945	0	NR
430	37	NR	560	240	NR	690	49	NR	820	1	NR	950	0	NR
435	60	NR	565	248	NR	695	42	NR	825	1	NR	955	0	NR
440	101	NR	570	258	NR	700	36	NR	830	1	NR	960	0	NR
445	172	NR	575	268	NR	705	30	NR	835	1	NR	965	0	NR
450	223	NR	580	278	NR	710	26	NR	840	1	NR	970	0	NR
455	167	NR	585	287	NR	715	22	NR	845	0	NR	975	0	NR
460	126	NR	590	295	NR	720	19	NR	850	0	NR	980	0	NR
465	111	NR	595	298	NR	725	16	NR	855	0	NR	985	0	NR
470	86	NR	600	303	NR	730	14	NR	860	0	NR	990	0	NR
475	74	NR	605	307	NR	735	12	NR	865	0	NR	995	0	NR
480	77	NR	610	341	NR	740	10	NR	870	0	NR	1000	0	NR
485	86	NR	615	368	NR	745	8	NR	875	0	NR			

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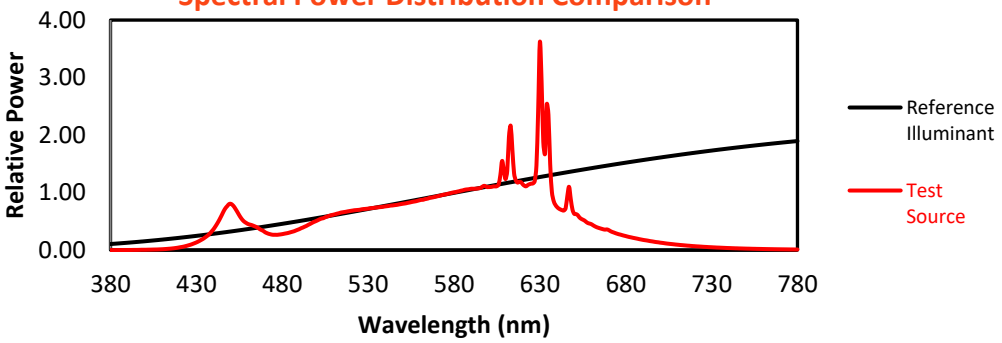
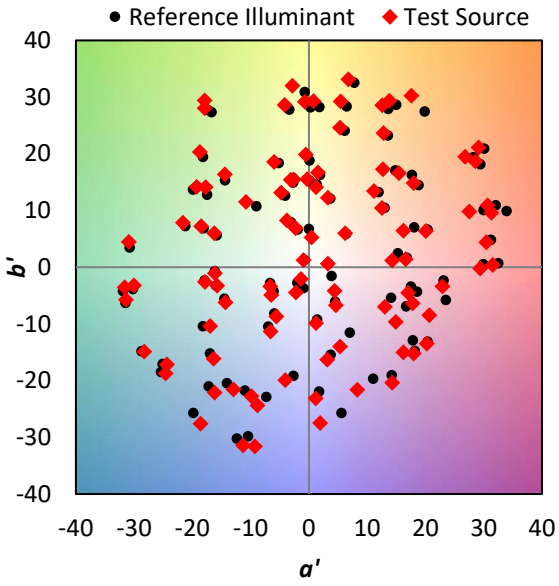
Summary

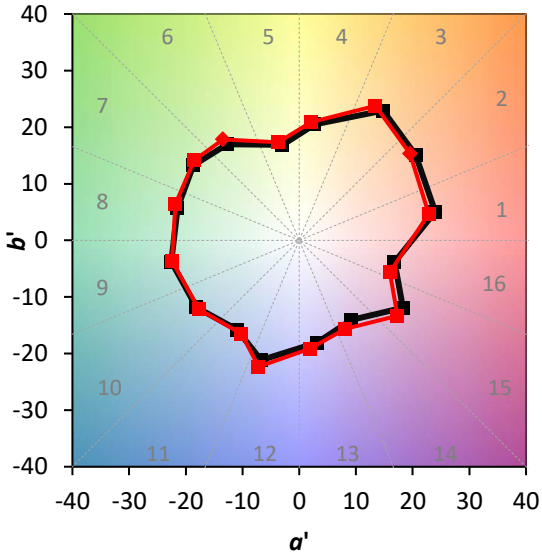
R_f = 91.3
R_g = 102
CIE R_a = 94.4
R_9 = 61.4

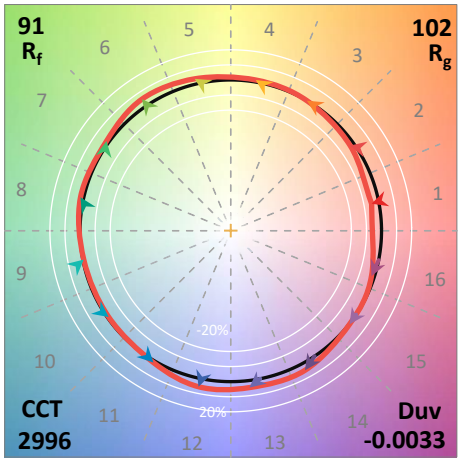
Spectral Power Distribution Comparison

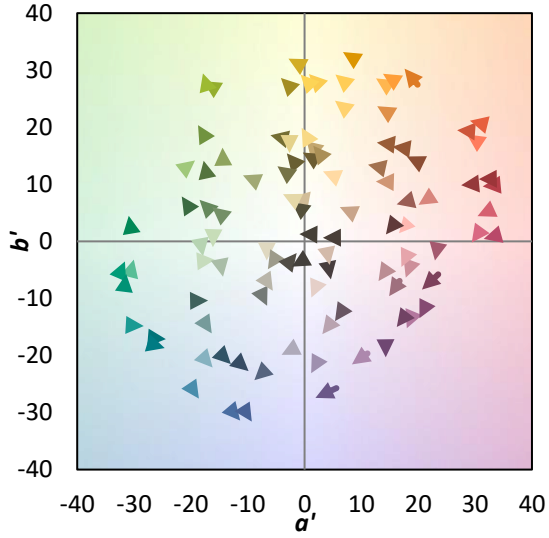


Color Vector Graphics









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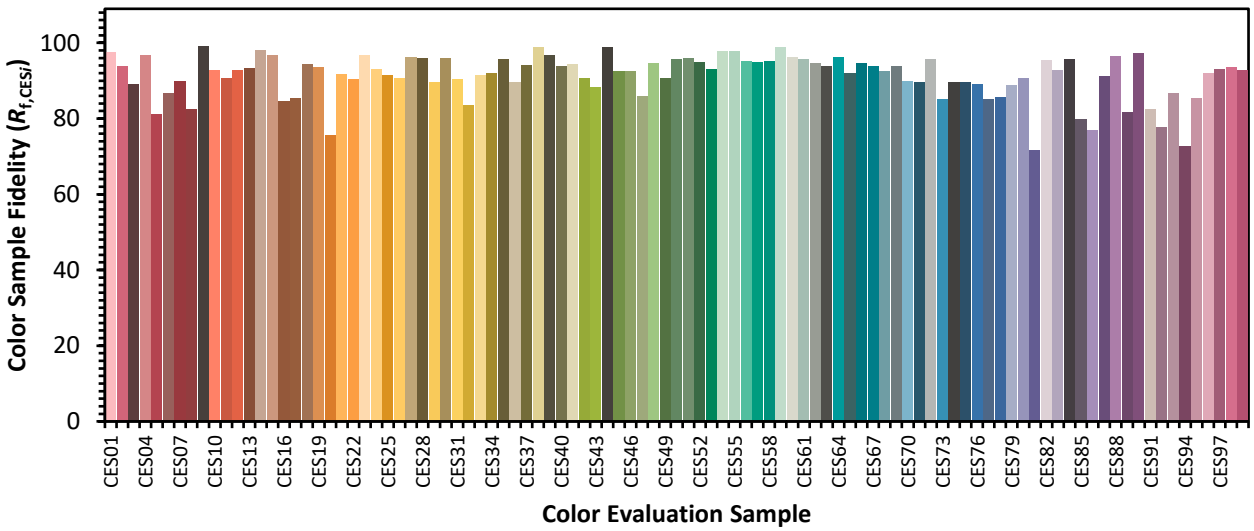
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 91	CES51 = 96	CES76 = 89
CES02 = 63	CES27 = 96	CES52 = 95	CES77 = 85
CES03 = 32	CES28 = 96	CES53 = 93	CES78 = 86
CES04 = 70	CES29 = 90	CES54 = 98	CES79 = 89
CES05 = 51	CES30 = 96	CES55 = 98	CES80 = 91
CES06 = 51	CES31 = 90	CES56 = 95	CES81 = 72
CES07 = 44	CES32 = 84	CES57 = 95	CES82 = 95
CES08 = 42	CES33 = 91	CES58 = 95	CES83 = 93
CES09 = 29	CES34 = 92	CES59 = 99	CES84 = 96
CES10 = 76	CES35 = 96	CES60 = 96	CES85 = 80
CES11 = 59	CES36 = 90	CES61 = 96	CES86 = 77
CES12 = 65	CES37 = 94	CES62 = 95	CES87 = 91
CES13 = 44	CES38 = 99	CES63 = 94	CES88 = 96
CES14 = 74	CES39 = 97	CES64 = 96	CES89 = 82
CES15 = 72	CES40 = 94	CES65 = 92	CES90 = 97
CES16 = 48	CES41 = 94	CES66 = 95	CES91 = 82
CES17 = 50	CES42 = 91	CES67 = 94	CES92 = 78
CES18 = 57	CES43 = 88	CES68 = 93	CES93 = 87
CES19 = 72	CES44 = 99	CES69 = 94	CES94 = 73
CES20 = 67	CES45 = 93	CES70 = 90	CES95 = 85
CES21 = 86	CES46 = 93	CES71 = 90	CES96 = 92
CES22 = 79	CES47 = 86	CES72 = 96	CES97 = 93
CES23 = 92	CES48 = 95	CES73 = 85	CES98 = 94
CES24 = 91	CES49 = 91	CES74 = 90	CES99 = 93
CES25 = 72	CES50 = 96	CES75 = 90	



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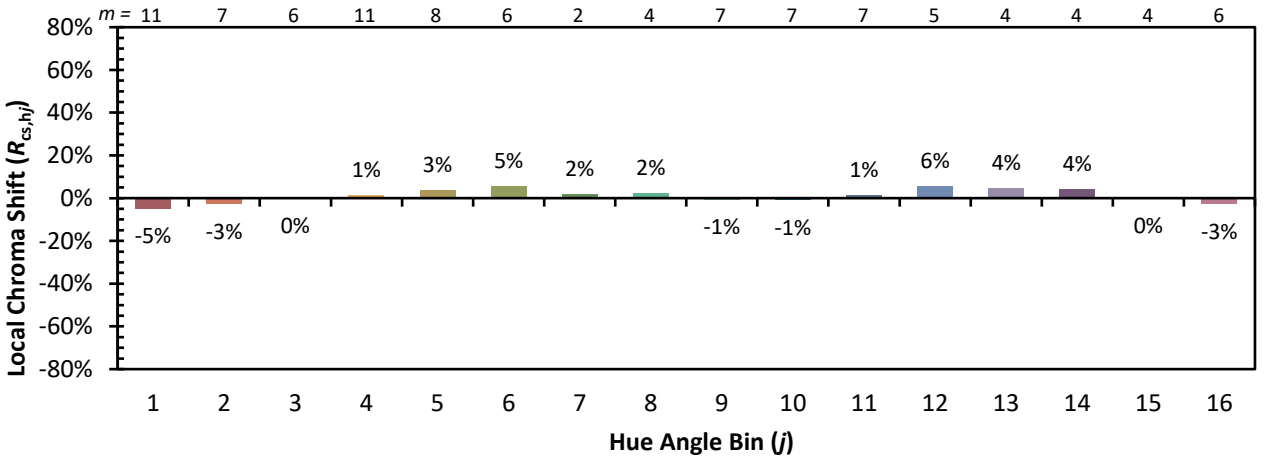
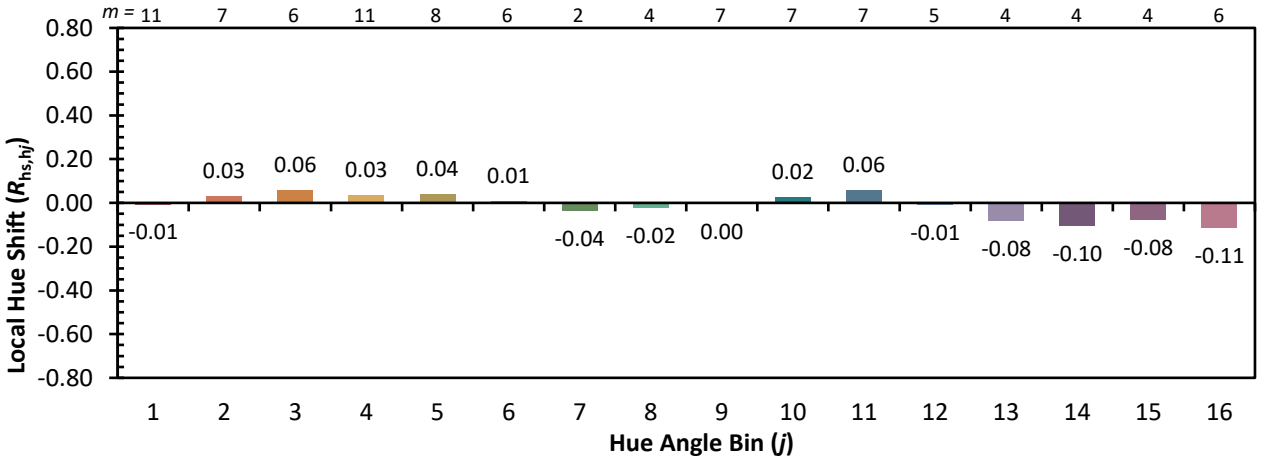
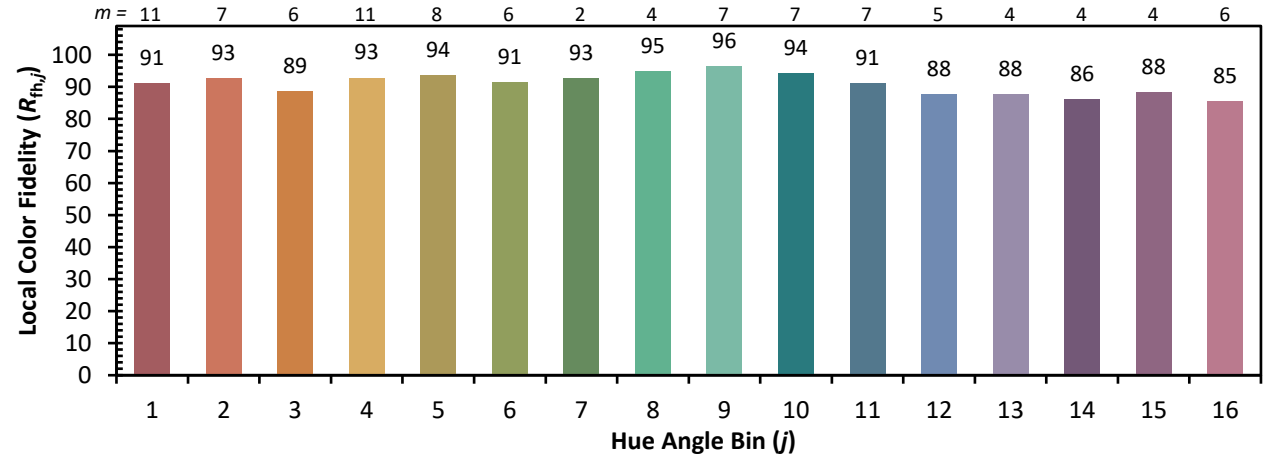
Color Rendition by Hue-Angle Bin







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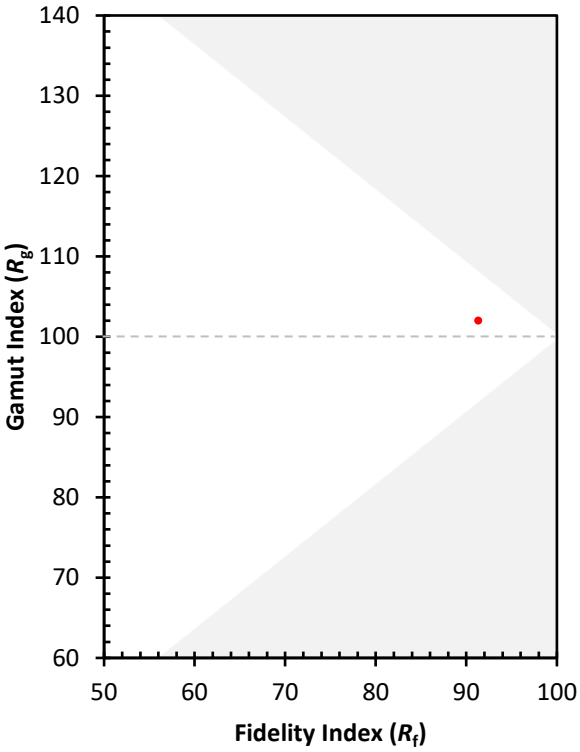
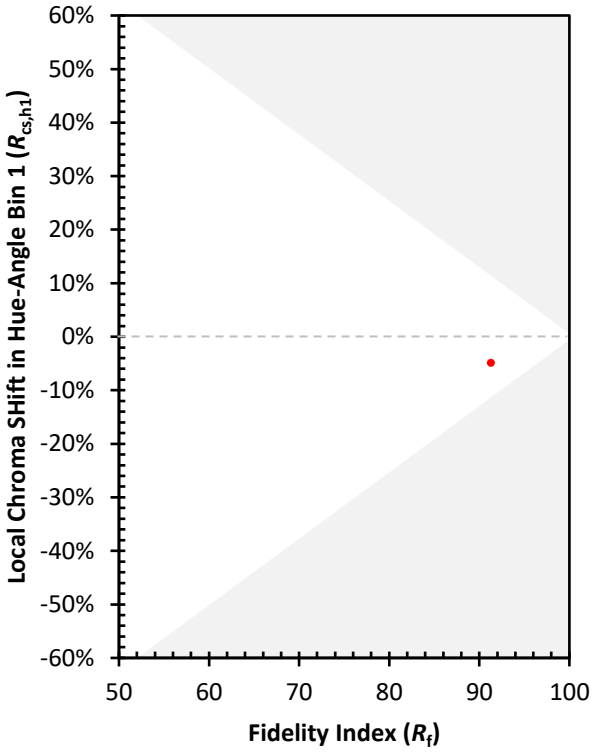
Measure Comparisons





(END OF REPORT)