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: P1432884

Luminaire Tested: EHBR1-18-UNV-N-L850-UPL15

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:	P1432884
	REPORT IS A COMBINATION OF REPORTS P1431685 AND P1431635
Test Lab:	INNOVATION CENTER
Issue Date:	3/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	METALUX
Catalog Number:	EHBR1-18-UNV-N-L850-UPL15
Description:	Elevate Round Highbay at, 18000 lumens, 5000K 80CRI LEDs with N lens
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	19691.9 lumens
Efficiency:	N/A
Efficacy:	189.3 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):	104
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: P1432884
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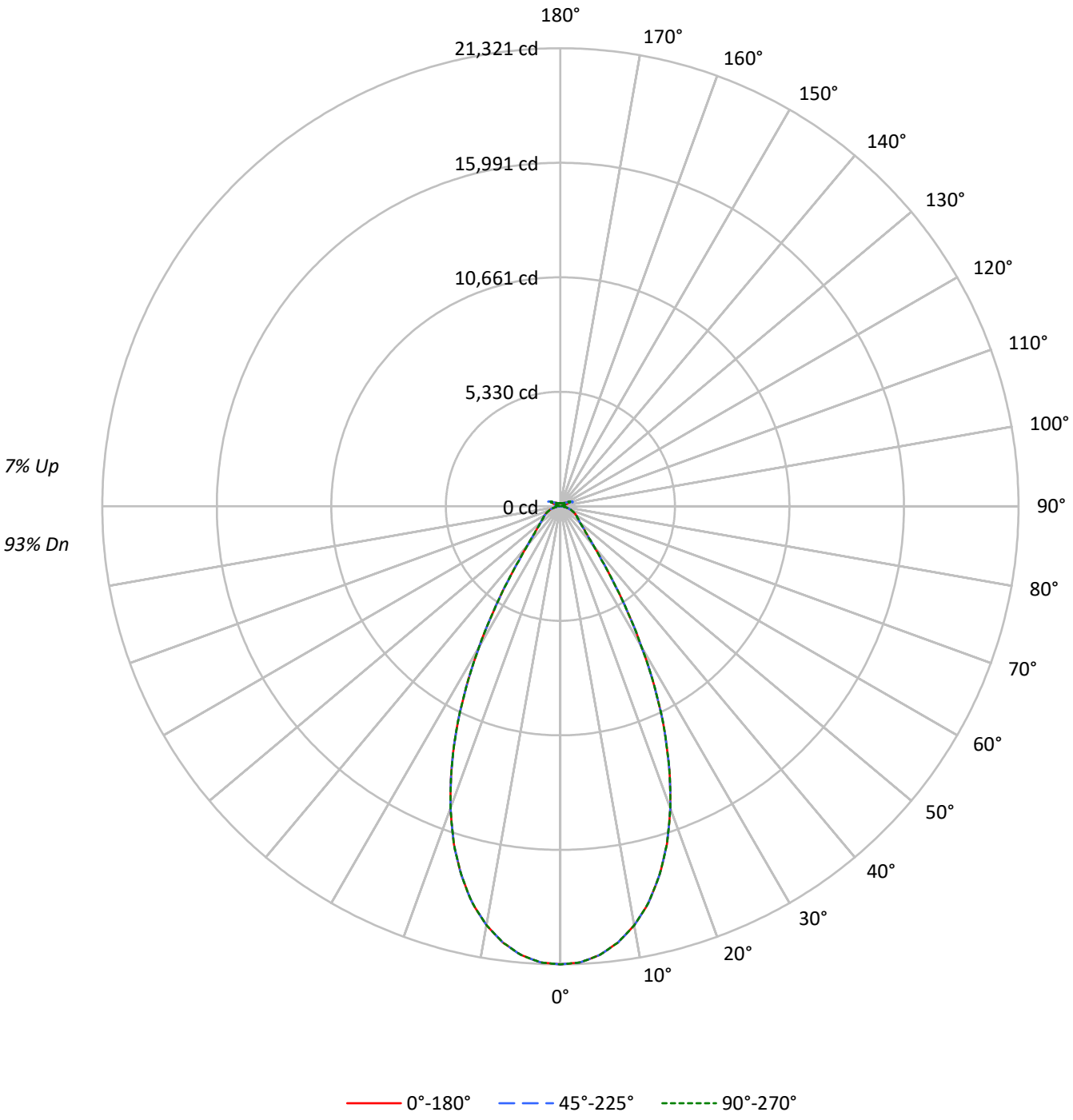
Luminous Intensity Polar Plot



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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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	110	107	104	102	107	104	102	99	99	97	95	94	92	91	89	88	87	85
2	104	98	93	89	101	96	91	88	91	88	85	87	84	82	83	81	79	77
3	98	90	85	80	95	88	83	79	85	80	77	81	78	75	78	75	73	71
4	92	84	77	73	90	82	76	72	79	74	70	76	72	69	73	70	67	65
5	87	78	71	66	85	76	70	66	74	69	65	71	67	63	69	65	62	60
6	82	73	66	61	80	71	65	61	69	64	60	67	62	59	65	61	58	56
7	78	68	61	57	76	67	61	56	65	60	56	63	58	55	61	57	54	52
8	74	64	57	53	72	63	57	53	61	56	52	60	55	51	58	54	51	49
9	71	60	54	50	69	59	54	49	58	53	49	57	52	48	55	51	48	46
10	67	57	51	47	66	56	50	47	55	50	46	54	49	46	52	48	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	100127	100127	100127
5°	98183	98183	98183
10°	93187	93187	93187
15°	84788	84788	84788
20°	72730	72730	72730
25°	57214	57214	57214
30°	39263	39263	39263
35°	23324	23324	23324
40°	13800	13800	13800
45°	9906	9906	9906
50°	8142	8142	8142
55°	7400	7400	7400
60°	7085	7085	7085
65°	6757	6757	6757
70°	6284	6284	6284
75°	5681	5681	5681
80°	4714	4714	4714
85°	2988	2988	2988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 9906 cd/sqm

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TEST NUMBER: P1432884
CATALOG NUMBER: EHBR1-18-UNV-N-L850-UPL15

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1964.0	10.0
10°-20°	4930.1	25.0
20°-30°	5154.9	26.2
30°-40°	2793.1	14.2
40°-50°	1284.9	6.5
50°-60°	905.5	4.6
60°-70°	696.9	3.5
70°-80°	422.5	2.1
80°-90°	121.6	0.6
90°-100°	40.5	0.2
100°-110°	253.4	1.3
110°-120°	453.2	2.3
120°-130°	265.9	1.4
130°-140°	163.1	0.8
140°-150°	113.1	0.6
150°-160°	73.5	0.4
160°-170°	41.9	0.2
170°-180°	13.8	0.1
0°-30°	12049.0	61.2
0°-40°	14842.0	75.4
0°-60°	17032.5	86.5
0°-90°	18273.4	92.8
90°-120°	747.2	3.8
90°-150°	1289.3	6.5
90°-180°	1419.0	7.2
0°-180°	19691.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21321	21321	21321	21321	21321	
5°	20964	20964	20964	20964	20964	1964
15°	17788	17788	17788	17788	17788	4930
25°	11426	11426	11426	11426	11426	5155
35°	4281	4281	4281	4281	4281	2793
45°	1603	1603	1603	1603	1603	1285
55°	1000	1000	1000	1000	1000	906
65°	705	705	705	705	705	697
75°	400	400	400	400	400	422
85°	103	103	103	103	103	114
90°	11	18	30	19	11	10
95°	18	30	66	32	20	17
105°	88	175	446	192	117	118
115°	408	429	527	505	502	375
125°	294	274	282	286	321	268
135°	214	208	215	202	201	168
145°	176	174	184	182	181	112
155°	154	153	160	160	160	72
165°	144	144	149	149	148	41
175°	143	143	145	145	145	14
180°	144	144	144	144	144	

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TEST NUMBER: P1432884
CATALOG NUMBER: EHBR1-18-UNV-N-L850-UPL15

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	21321.3	21321.3	21321.3	21321.3	21321.3
2.5°	21245.8	21245.8	21245.8	21245.8	21245.8
5°	20963.7	20963.7	20963.7	20963.7	20963.7
7.5°	20482.1	20482.1	20482.1	20482.1	20482.1
10°	19798.9	19798.9	19798.9	19798.9	19798.9
12.5°	18916.1	18916.1	18916.1	18916.1	18916.1
15°	17788.1	17788.1	17788.1	17788.1	17788.1
17.5°	16479.6	16479.6	16479.6	16479.6	16479.6
20°	14948.1	14948.1	14948.1	14948.1	14948.1
22.5°	13243.0	13243.0	13243.0	13243.0	13243.0
25°	11425.5	11425.5	11425.5	11425.5	11425.5
27.5°	9498.7	9498.7	9498.7	9498.7	9498.7
30°	7552.2	7552.2	7552.2	7552.2	7552.2
32.5°	5796.1	5796.1	5796.1	5796.1	5796.1
35°	4280.8	4280.8	4280.8	4280.8	4280.8
37.5°	3143.1	3143.1	3143.1	3143.1	3143.1
40°	2391.9	2391.9	2391.9	2391.9	2391.9
42.5°	1917.9	1917.9	1917.9	1917.9	1917.9
45°	1602.8	1602.8	1602.8	1602.8	1602.8
47.5°	1375.7	1375.7	1375.7	1375.7	1375.7
50°	1213.5	1213.5	1213.5	1213.5	1213.5
52.5°	1095.2	1095.2	1095.2	1095.2	1095.2
55°	1000.1	1000.1	1000.1	1000.1	1000.1
57.5°	923.0	923.0	923.0	923.0	923.0
60°	851.7	851.7	851.7	851.7	851.7
62.5°	780.3	780.3	780.3	780.3	780.3
65°	705.3	705.3	705.3	705.3	705.3
67.5°	628.8	628.8	628.8	628.8	628.8
70°	551.4	551.4	551.4	551.4	551.4
72.5°	476.1	476.1	476.1	476.1	476.1
75°	400.2	400.2	400.2	400.2	400.2
77.5°	325.8	325.8	325.8	325.8	325.8
80°	248.0	248.0	248.0	248.0	248.0
82.5°	173.7	173.7	173.7	173.7	173.7
85°	102.7	102.7	102.7	102.7	102.7
87.5°	36.7	36.7	36.7	36.7	36.7
90°	11.1	17.7	29.9	19.3	11.1
92.5°	15.4	26.0	47.1	24.4	13.9
95°	17.9	30.1	65.8	32.5	20.3
97.5°	22.7	33.3	75.5	39.8	31.6
100°	30.1	39.0	117.8	48.7	42.2
102.5°	51.2	82.8	250.1	91.7	64.1
105°	88.5	174.6	445.8	192.4	116.9
107.5°	153.4	312.6	587.9	341.1	221.7
110°	286.6	414.9	616.3	468.5	354.8

TEST NUMBER: P1432884
CATALOG NUMBER: EHBR1-18-UNV-N-L850-UPL15

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	*387.3*	445.8	590.3	517.2	462.0
115°	*407.7*	428.7	527.0	505.0	501.8
117.5°	*393.8*	391.3	447.4	453.9	484.8
120°	*364.5*	348.3	373.5	396.3	437.6
122.5°	*328.0*	308.5	319.9	336.9	378.4
125°	*293.9*	274.5	281.7	285.8	320.7
127.5°	*263.8*	250.9	255.0	250.1	272.0
130°	*243.6*	232.2	237.9	226.5	237.1
132.5°	*226.5*	219.2	225.7	211.9	215.1
135°	*214.3*	207.9	215.1	202.2	201.4
137.5°	*203.8*	198.1	205.4	195.7	193.2
140°	*194.1*	189.2	197.3	190.0	188.4
142.5°	*183.5*	180.3	190.0	185.2	183.5
145°	*176.2*	173.8	184.3	181.9	181.0
147.5°	*169.7*	168.1	177.8	177.0	177.0
150°	*164.0*	162.4	172.1	171.3	172.1
152.5°	*158.3*	156.7	165.6	164.8	165.6
155°	*154.3*	152.6	159.9	159.9	159.9
157.5°	*151.0*	150.2	155.9	155.9	155.9
160°	*148.6*	147.7	152.6	152.6	151.9
162.5°	*146.2*	145.4	151.0	150.2	150.2
165°	*144.5*	144.5	148.6	148.6	147.7
167.5°	*144.5*	143.7	147.7	147.7	147.0
170°	*143.7*	143.7	147.0	146.2	145.4
172.5°	*143.7*	143.7	147.0	146.2	145.4
175°	*142.9*	142.9	145.4	145.4	145.4
177.5°	*143.7*	143.7	145.4	145.4	144.5
180°	*144.5*	144.5	144.5	144.5	144.5

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Scaled Data Report

TEST NUMBER: P1432884
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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	14.85	15.91	15.34	16.37	16.87	14.85	15.91	15.34	16.37	16.87
	3H	16.63	17.57	17.14	18.05	18.59	16.63	17.57	17.14	18.05	18.59
	4H	17.28	18.16	17.81	18.66	19.22	17.28	18.16	17.81	18.66	19.22
	6H	17.74	18.55	18.29	19.06	19.63	17.74	18.55	18.29	19.06	19.63
	8H	17.87	18.63	18.42	19.16	19.74	17.87	18.63	18.42	19.16	19.74
	12H	17.92	18.65	18.48	19.17	19.77	17.92	18.65	18.48	19.17	19.77
4H	2H	15.39	16.27	15.92	16.76	17.32	15.39	16.27	15.92	16.76	17.32
	3H	17.36	18.08	17.90	18.63	19.20	17.36	18.08	17.90	18.63	19.20
	4H	18.13	18.78	18.69	19.34	19.95	18.13	18.78	18.69	19.34	19.95
	6H	18.70	19.26	19.29	19.84	20.47	18.70	19.26	19.29	19.84	20.47
	8H	18.86	19.38	19.45	19.96	20.60	18.86	19.38	19.45	19.96	20.60
	12H	18.94	19.40	19.55	20.01	20.65	18.94	19.40	19.55	20.01	20.65
8H	4H	18.36	18.88	18.95	19.46	20.10	18.36	18.88	18.95	19.46	20.10
	6H	19.04	19.47	19.66	20.09	20.73	19.04	19.47	19.66	20.09	20.73
	8H	19.26	19.64	19.91	20.28	20.93	19.26	19.64	19.91	20.28	20.93
	12H	19.40	19.73	20.04	20.35	21.08	19.40	19.73	20.04	20.35	21.08
12H	4H	18.36	18.82	18.96	19.42	20.07	18.36	18.82	18.96	19.42	20.07
	6H	19.07	19.44	19.71	20.08	20.74	19.07	19.44	19.71	20.08	20.74
	8H	19.33	19.66	19.96	20.27	21.01	19.33	19.66	19.96	20.27	21.01

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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

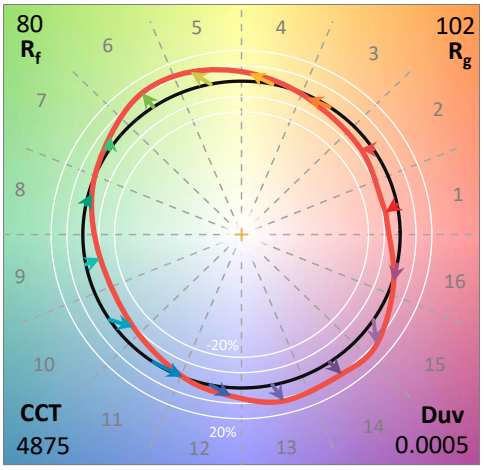
Test Information

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
R2:	83.1
R3:	78.8
R4:	84.0
R5:	83.0
R6:	76.3
R7:	86.8
R8:	81.7
R9:	43.9
R10:	57.4
R11:	83.1
R12:	51.0
R13:	83.4
R14:	87.4
R15:	83.4



Test Conditions

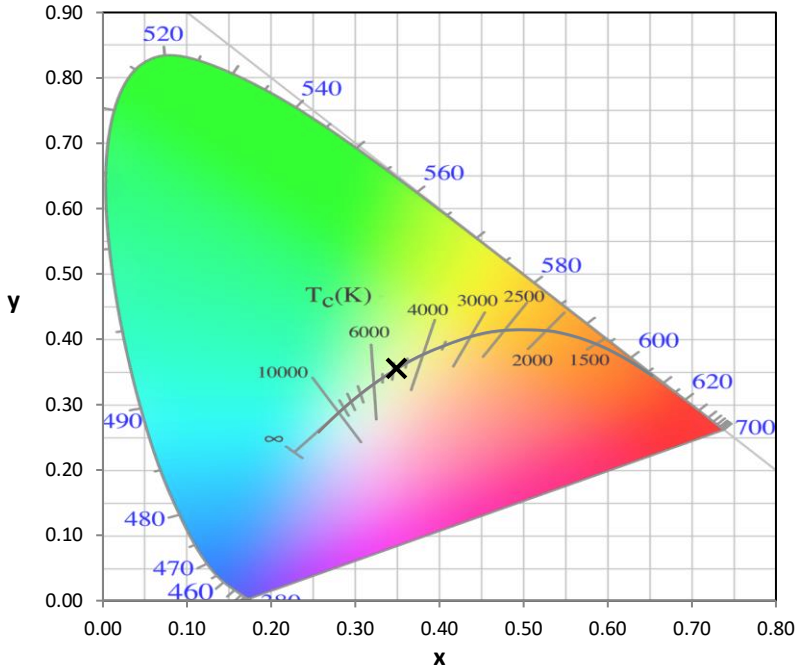
Stabilization Time:	39M
Operation Time:	1H 39M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2506-472-4

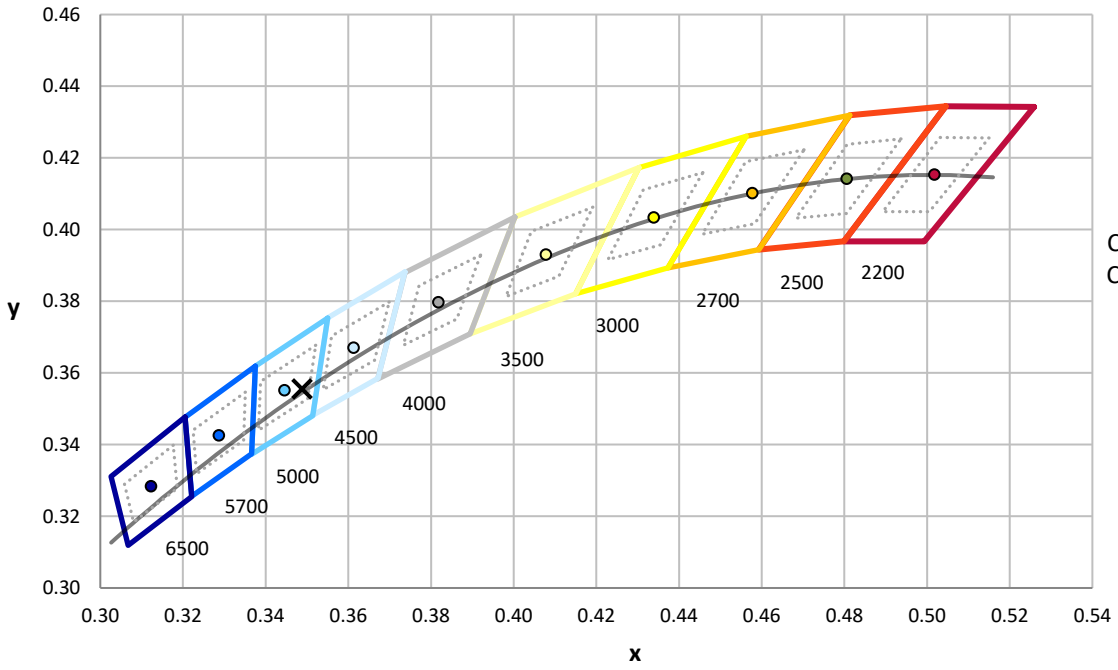
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208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

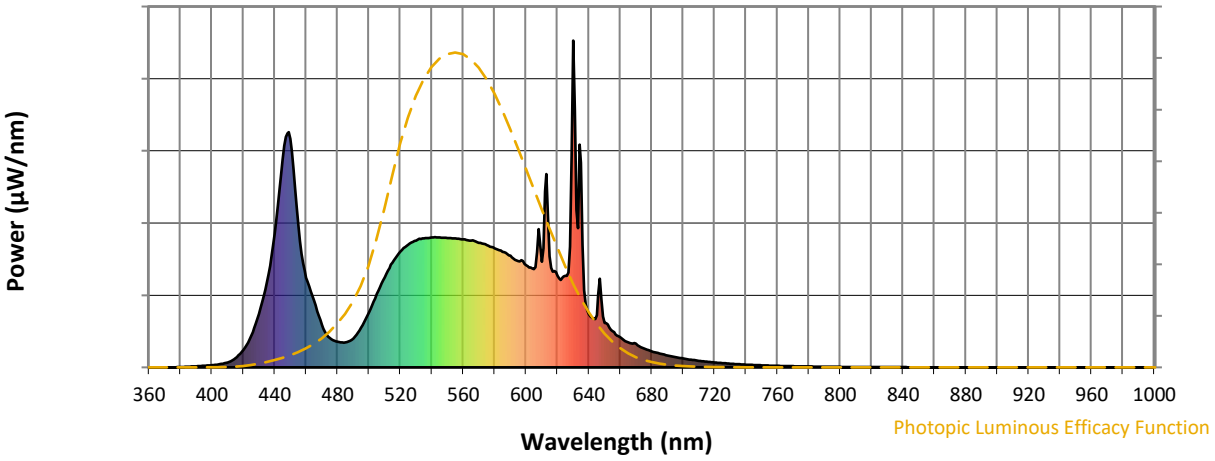


CCT = 4875K
CIE x = 0.3488
CIE y = 0.3555
Duv = 0.0005

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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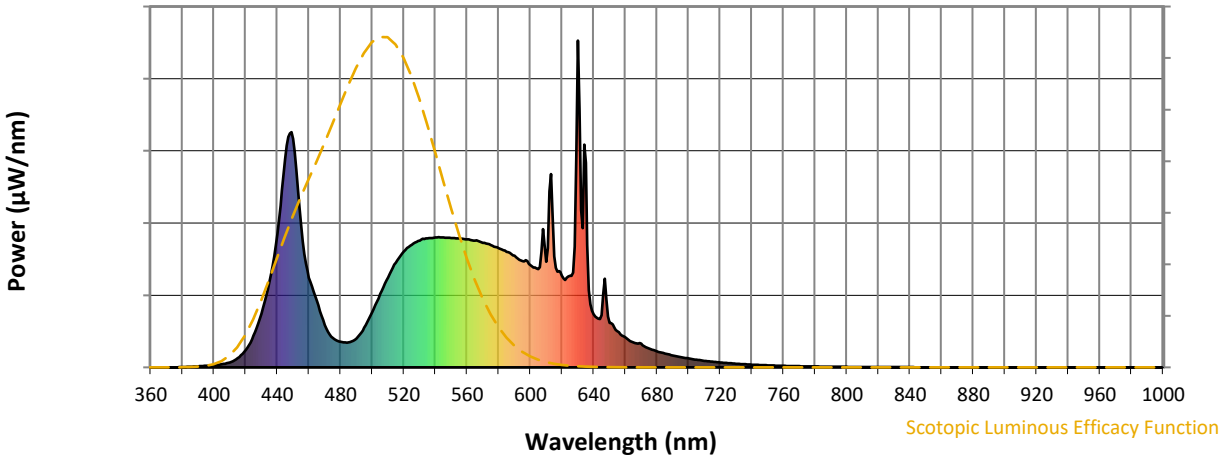
Scotopic Flux vs. Wavelength



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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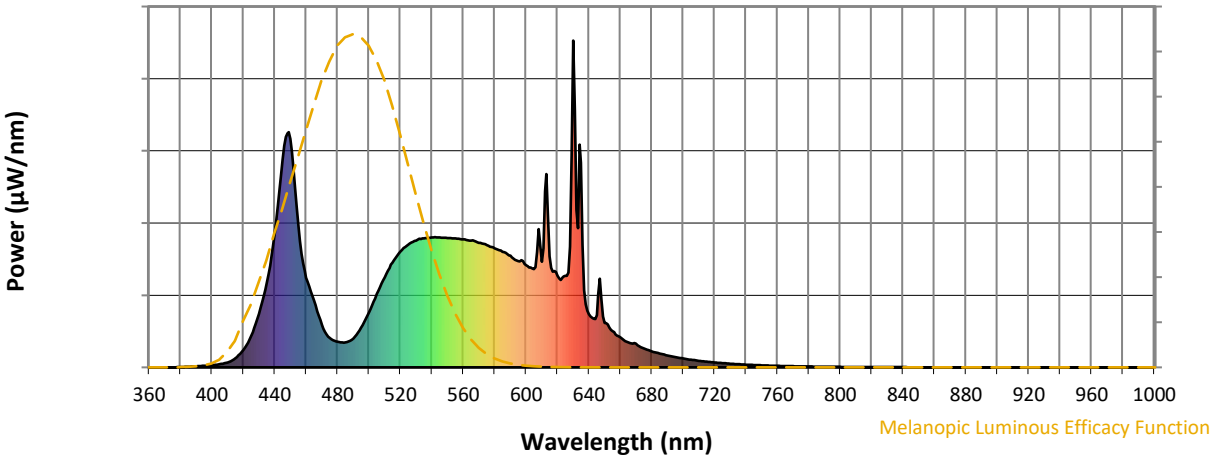
Melanopic Flux vs. Wavelength



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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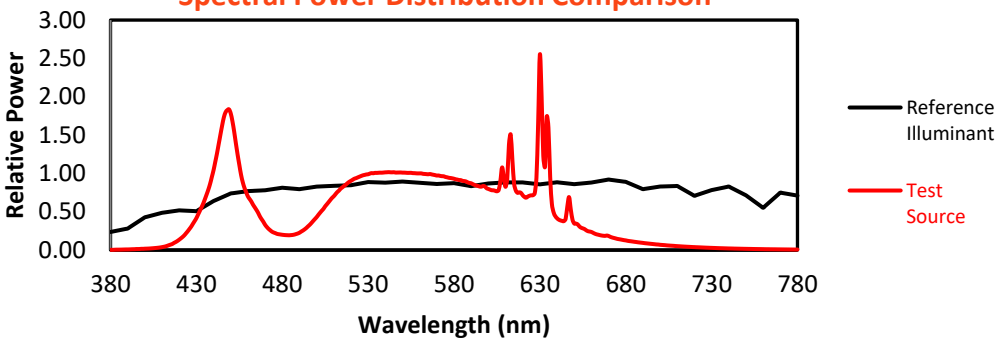
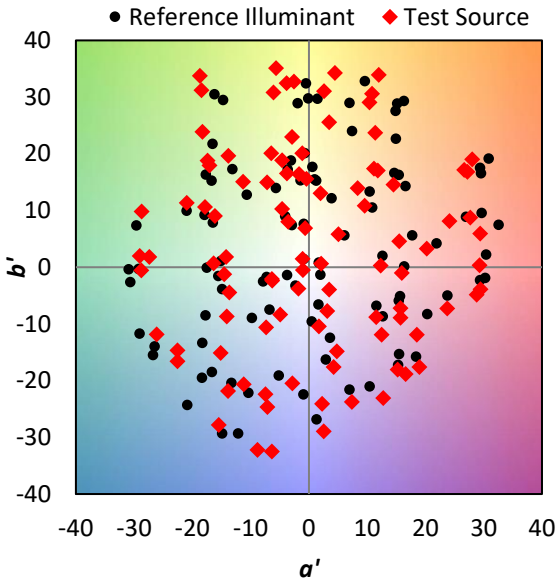
Summary

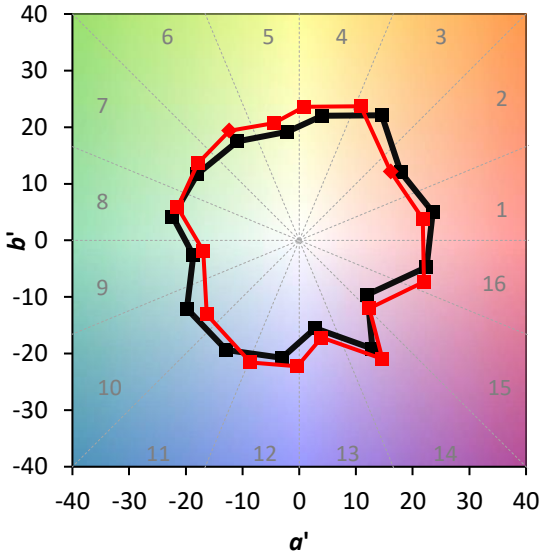
R_f = 80
R_g = 102.3
CIE R_a = 82.3
R_9 = 43.9

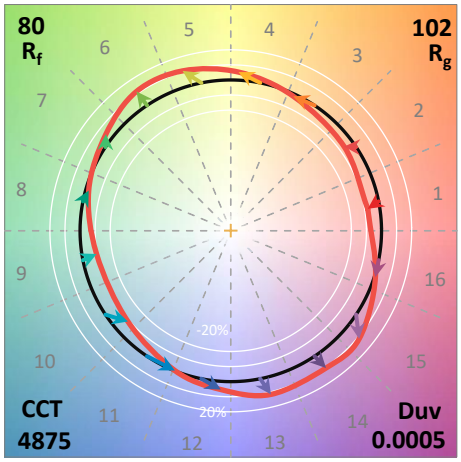
Spectral Power Distribution Comparison

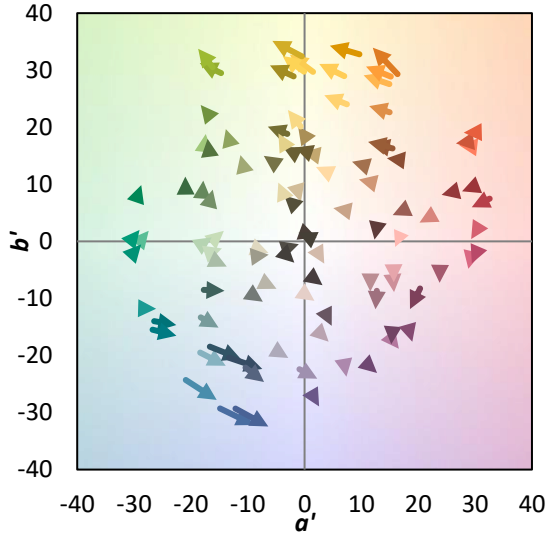


Color Vector Graphics









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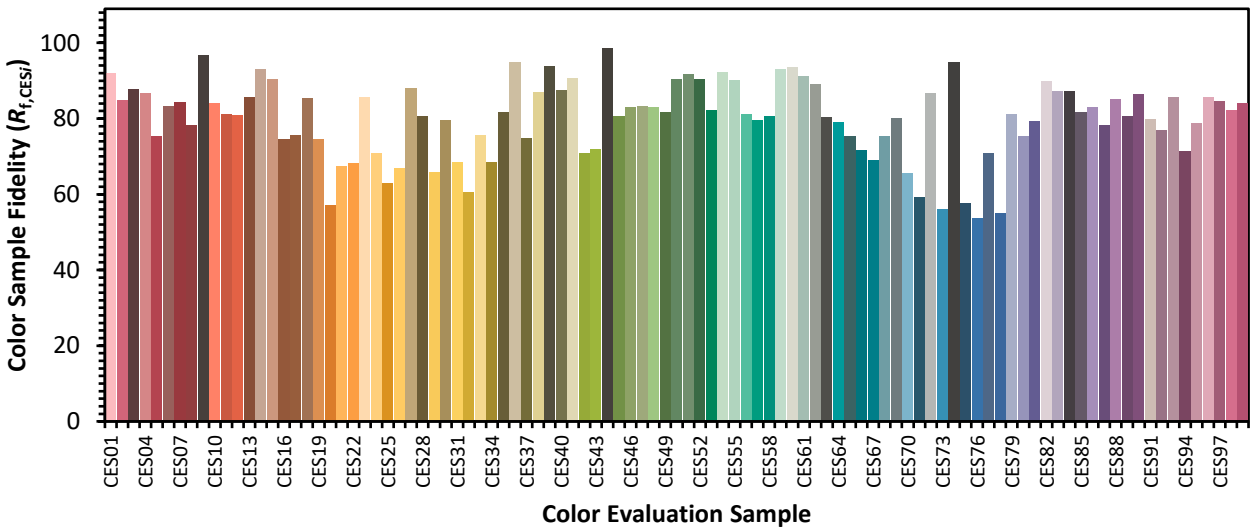
Individual Sample Fidelity Index ($R_{f,i}$)

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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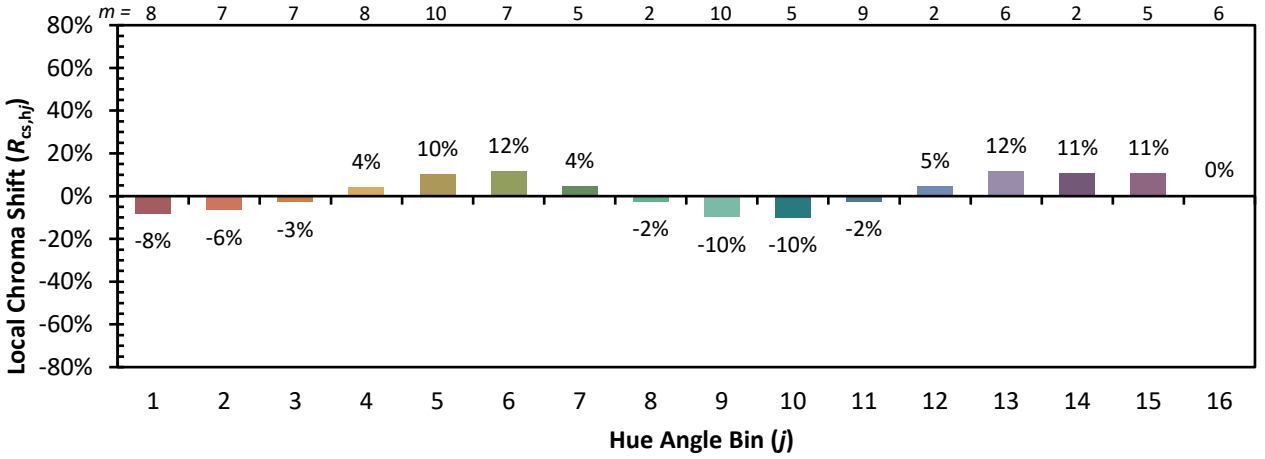
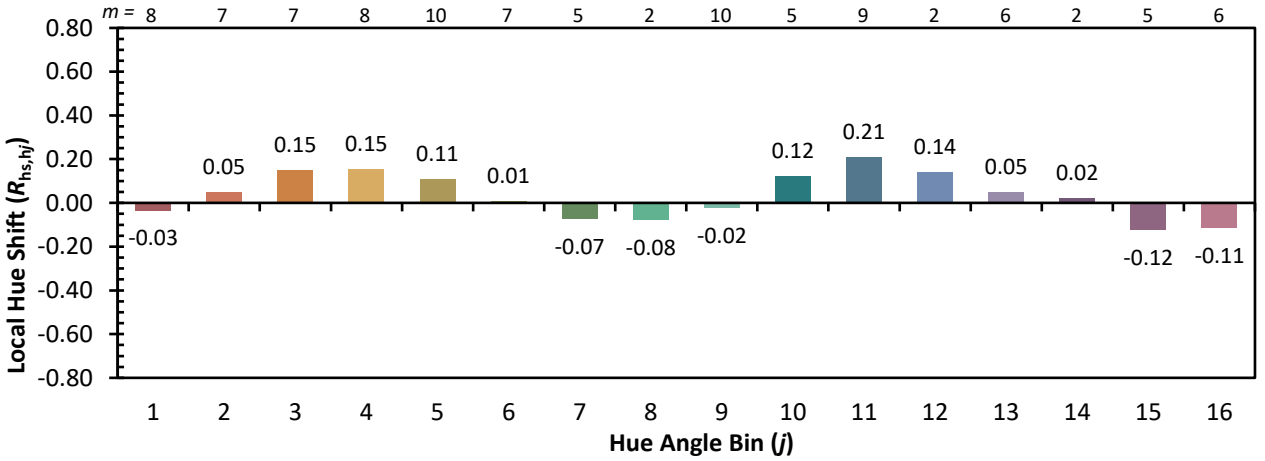
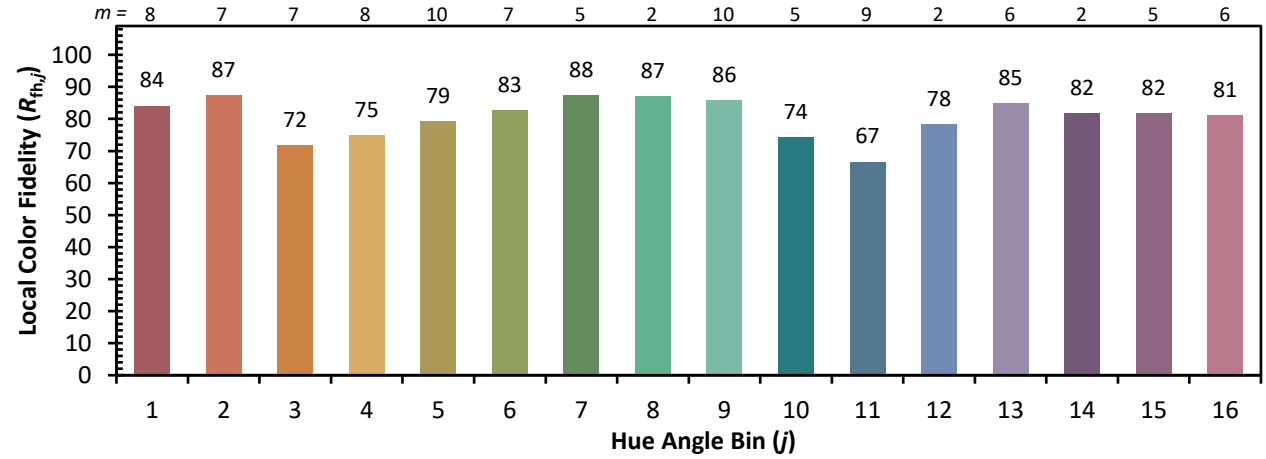
Color Rendition by Hue-Angle Bin







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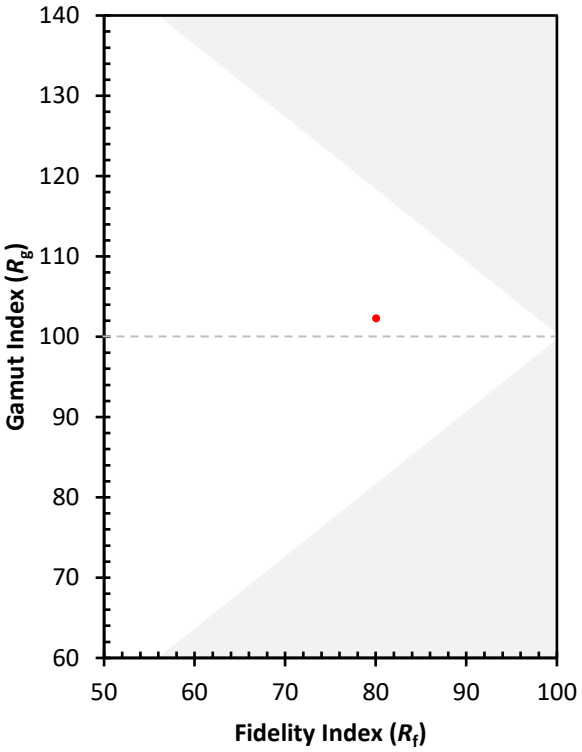
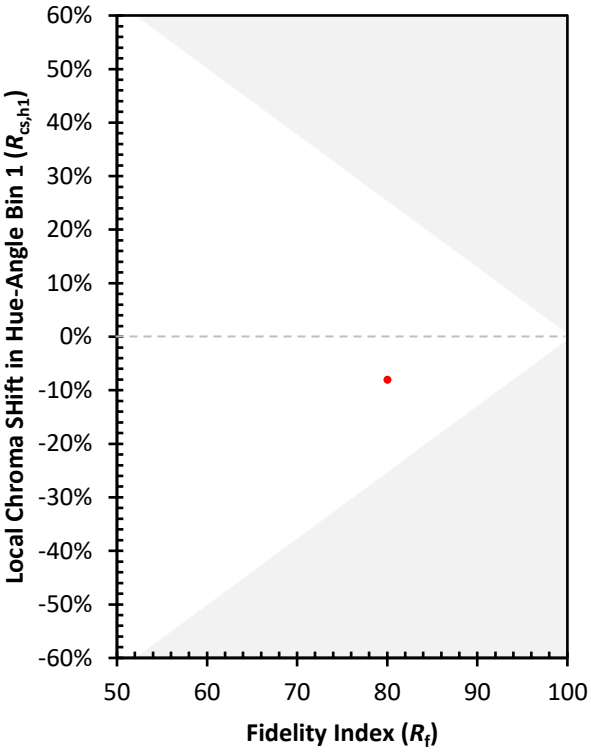
Measure Comparisons





(END OF REPORT)