

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: P1433126

Luminaire Tested: EHBR1-18-UNV-ASM-L930-UPL30

Issue Date: 3/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1433126
REPORT IS A COMBINATION OF REPORTS P1431690 AND P1431635
Test Lab: INNOVATION CENTER
Issue Date: 3/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-18-UNV-ASM-L930-UPL30
Description: Elevate Round Highbay at, 19000 lumens, 3000K 90CRI LEDs with ASM lens
Light Source: -
Ballast/Driver: -

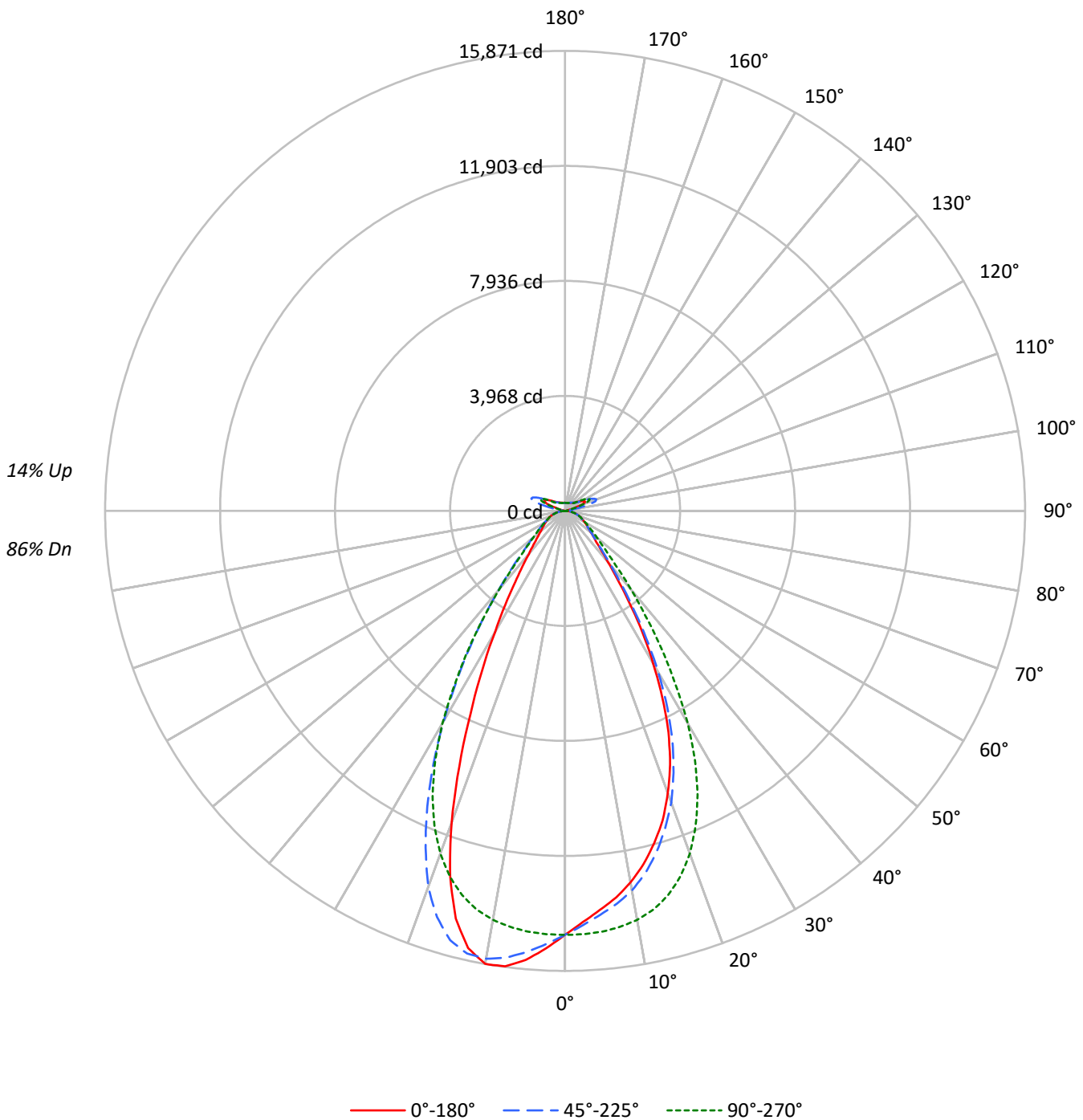
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19072.1 lumens
Efficiency: N/A
Efficacy: 163.4 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.99 / 0.92
Luminous Opening: Vertical Cylinder (Dia: 1.71' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 116.7
Input Voltage (V): NR
Input Current (A_{in}): 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

TEST NUMBER: P1433126
CATALOG NUMBER: EHBR1-18-UNV-ASM-L930-UPL30

Luminous Intensity Polar Plot



TEST NUMBER: P1433126
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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1390.7	7.3
10°-20°	3783.5	19.8
20°-30°	4437.3	23.3
30°-40°	3085.9	16.2
40°-50°	1533.5	8.0
50°-60°	917.2	4.8
60°-70°	645.6	3.4
70°-80°	415.9	2.2
80°-90°	136.9	0.7
90°-100°	72.3	0.4
100°-110°	474.7	2.5
110°-120°	877.4	4.6
120°-130°	521.1	2.7
130°-140°	314.6	1.6
140°-150°	217.1	1.1
150°-160°	141.2	0.7
160°-170°	80.6	0.4
170°-180°	26.7	0.1
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0°-30°	9611.6	50.4
0°-40°	12697.4	66.6
0°-60°	15148.2	79.4
0°-90°	16346.5	85.7
90°-120°	1424.4	7.5
90°-150°	2477.2	13.0
90°-180°	2726.0	14.3
0°-180°	19072.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	14626	14626	14626	14626	14626	
5°	13820	13981	14576	15275	15550	1296
15°	11871	12188	13728	15332	14564	3311
25°	8435	8754	10817	11252	7702	3806
35°	3861	4094	5790	5696	2982	2460
45°	1530	1593	2094	2184	1404	1236
55°	939	942	1060	1088	908	852
65°	641	636	646	659	644	637
75°	400	388	387	400	412	422
85°	129	107	107	123	136	133
90°	20	55	20	58	22	16
95°	34	122	38	105	36	32
105°	165	829	218	884	110	221
115°	758	980	934	1085	797	699
125°	547	525	598	581	625	499
135°	400	402	377	420	435	313
145°	331	346	340	348	355	209
155°	292	302	302	302	314	136
165°	276	284	282	281	290	79
175°	275	280	280	278	284	26
180°	279	279	279	279	279	



TEST NUMBER: P1433126

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	14626.1	14626.1	14626.1	14626.1	14626.1	14626.1	14626.1	14626.1	14626.1
2.5°	14191.9	14201.3	14300.6	14429.7	14617.5	14806.6	14959.6	15060.5	15110.4
5°	13819.8	13871.3	13981.3	14218.6	14576.2	14954.7	15275.3	15485.1	15550.0
7.5°	13457.2	13487.0	13671.2	13970.8	14477.2	15066.9	15543.3	15788.1	15847.9
10°	13014.8	13082.6	13290.5	13644.0	14326.1	15137.6	15688.1	15863.5	15870.7
12.5°	12494.2	12584.0	12798.7	13244.7	14085.0	15112.4	15639.5	15581.9	15451.0
15°	11871.1	11949.8	12188.2	12705.4	13728.5	14962.9	15332.1	14863.3	14563.5
17.5°	11198.1	11269.4	11476.5	12046.1	13226.0	14683.1	14690.3	13763.0	13197.4
20°	10358.9	10414.8	10707.8	11266.7	12578.4	14234.4	13806.6	12110.6	11440.5
22.5°	9465.9	9518.3	9778.5	10360.2	11766.6	13629.5	12575.9	10448.3	9534.1
25°	8434.9	8463.4	8754.1	9280.2	10817.2	12888.1	11252.2	8637.0	7701.9
27.5°	7275.1	7323.6	7627.8	8165.1	9700.3	11948.5	9842.5	7057.8	6195.0
30°	6078.7	6159.1	6431.2	6912.2	8459.9	10743.9	8375.4	5620.7	4826.1
32.5°	4962.2	5020.1	5214.0	5716.7	7071.0	9563.3	6966.5	4503.6	3830.7
35°	3861.3	3919.2	4094.4	4588.1	5789.6	8086.0	5696.2	3538.8	2982.3
37.5°	2951.6	3053.9	3166.3	3567.1	4543.7	6690.3	4540.7	2849.6	2419.0
40°	2299.7	2316.2	2457.7	2714.1	3535.0	5231.3	3557.7	2274.7	1941.3
42.5°	1840.8	1885.6	1946.4	2138.4	2678.4	4000.1	2796.4	1866.9	1648.9
45°	1529.6	1547.1	1593.2	1722.1	2093.7	2943.6	2183.6	1575.1	1403.6
47.5°	1338.1	1330.5	1360.1	1456.6	1705.1	2275.0	1769.8	1351.0	1230.8
50°	1173.5	1168.9	1182.9	1247.3	1432.2	1745.7	1469.5	1179.3	1098.7
52.5°	1045.8	1049.9	1051.3	1091.3	1230.3	1423.7	1251.4	1051.0	996.7
55°	939.4	944.5	941.6	971.2	1060.3	1196.9	1088.3	945.1	907.5
57.5°	856.2	852.4	848.3	864.2	931.2	1015.3	945.1	854.9	829.9
60°	773.7	770.1	767.1	777.5	816.7	879.3	834.0	776.2	769.1
62.5°	702.9	700.7	700.4	698.6	728.7	768.2	737.5	705.4	699.1
65°	641.3	638.8	635.5	632.4	646.4	683.1	659.1	641.8	643.9
67.5°	579.5	579.5	573.7	569.1	582.8	602.0	591.5	581.7	584.1
70°	523.5	523.8	514.5	511.0	515.1	535.7	525.0	526.3	530.4
72.5°	463.5	456.9	450.0	449.8	450.3	466.2	462.7	466.0	470.3
75°	399.6	391.9	387.6	382.6	386.7	398.8	400.4	405.1	412.0
77.5°	337.9	326.1	322.5	320.1	317.3	331.1	336.2	342.6	352.7
80°	271.5	258.6	252.6	249.1	253.7	260.0	271.5	276.2	290.4
82.5°	200.8	191.1	183.8	183.5	185.7	191.4	201.3	210.0	218.3
85°	129.2	113.8	107.2	109.7	107.2	116.0	122.6	133.0	135.5
87.5°	46.6	36.4	34.8	38.4	37.6	40.3	46.1	50.2	50.4
90°	19.9	32.0	54.6	35.0	19.9	33.8	58.2	31.8	21.8
92.5°	29.0	48.6	87.9	45.5	25.9	45.8	82.3	42.3	29.4
95°	33.5	56.1	122.5	60.7	38.3	56.4	105.0	46.9	35.5
97.5°	42.8	62.2	140.7	74.2	59.4	70.0	118.6	49.9	43.0
100°	56.4	72.7	219.2	91.2	79.0	79.0	216.7	57.5	49.0
102.5°	95.6	154.3	465.3	171.2	119.9	154.8	502.3	115.2	59.6
105°	165.1	324.9	829.2	358.4	218.0	354.1	884.4	297.9	109.7
107.5°	285.9	581.6	1093.7	634.7	412.7	660.6	1139.5	587.8	256.1
110°	533.5	771.8	1146.5	871.7	660.3	923.3	1243.7	805.2	518.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	720.8	829.2	1098.2	962.3	859.7	1029.0	1215.0	892.7	718.2
115°	758.4	797.5	980.4	939.7	933.9	1013.9	1085.1	889.8	796.7
117.5°	732.8	728.1	832.5	844.8	902.2	927.9	937.2	835.4	801.2
120°	678.4	648.0	695.1	737.6	814.6	804.1	789.5	755.4	756.0
122.5°	610.5	574.3	595.7	627.6	704.7	682.0	667.2	674.1	694.0
125°	547.3	510.9	525.0	532.8	597.5	574.8	581.4	604.6	624.9
127.5°	491.6	467.0	475.2	466.3	507.1	496.5	519.4	545.8	562.9
130°	453.8	432.6	443.7	422.8	442.5	445.2	475.7	497.7	508.6
132.5°	422.3	408.8	421.7	396.3	402.1	413.8	442.8	461.8	468.0
135°	399.7	387.8	402.1	378.5	376.7	394.2	420.4	432.8	434.9
137.5°	380.3	370.0	384.5	366.6	361.8	379.4	399.3	408.9	406.2
140°	362.8	354.0	369.6	356.1	353.1	370.6	379.7	390.8	388.4
142.5°	343.7	337.7	356.4	347.3	344.2	360.4	364.8	372.9	370.2
145°	330.7	326.2	346.0	341.2	340.0	351.8	348.5	359.4	355.4
147.5°	319.1	316.1	334.3	332.5	332.5	341.2	336.7	346.0	342.0
150°	309.1	306.1	323.9	322.1	323.7	329.7	323.4	334.3	333.3
152.5°	299.1	295.8	312.1	310.3	311.8	317.9	311.8	324.2	322.9
155°	292.0	288.7	302.1	301.6	301.8	304.9	301.8	314.1	314.4
157.5°	286.9	284.8	295.1	294.8	294.8	296.6	295.1	306.0	306.3
160°	282.9	281.2	289.9	289.6	288.4	291.4	290.2	299.5	299.8
162.5°	278.9	277.1	287.4	285.9	285.9	285.9	285.0	294.3	294.8
165°	276.4	276.2	283.5	283.5	282.2	283.7	281.2	287.7	289.9
167.5°	276.4	274.9	282.5	282.5	281.2	279.7	280.3	285.7	287.7
170°	275.5	275.2	281.2	280.0	278.5	278.7	277.9	283.2	285.3
172.5°	276.0	275.7	282.0	280.5	279.4	279.4	277.1	281.0	284.5
175°	275.1	274.8	279.6	279.6	279.9	278.7	277.7	280.0	283.6
177.5°	276.9	276.6	279.6	279.6	278.4	278.9	279.5	281.8	286.9
180°	278.9	278.9	278.9	278.9	278.9	278.9	278.9	278.9	278.9

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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	14.05	15.06	14.65	15.64	16.30	14.82	15.82	15.42	16.41	17.07
	3H	15.86	16.76	16.48	17.36	18.06	16.37	17.27	16.99	17.87	18.57
	4H	16.59	17.43	17.23	18.05	18.76	17.01	17.85	17.65	18.47	19.18
	6H	17.16	17.93	17.81	18.56	19.28	17.51	18.28	18.15	18.91	19.63
	8H	17.34	18.07	18.00	18.71	19.44	17.66	18.39	18.32	19.04	19.77
	12H	17.44	18.14	18.10	18.77	19.52	17.74	18.44	18.40	19.07	19.82
4H	2H	14.56	15.40	15.20	16.01	16.72	15.19	16.03	15.82	16.64	17.35
	3H	16.59	17.29	17.24	17.94	18.67	16.99	17.69	17.64	18.34	19.07
	4H	17.45	18.08	18.12	18.74	19.50	17.77	18.40	18.44	19.06	19.82
	6H	18.15	18.69	18.83	19.37	20.15	18.41	18.95	19.09	19.63	20.41
	8H	18.37	18.88	19.06	19.56	20.34	18.61	19.11	19.30	19.79	20.58
	12H	18.50	18.95	19.21	19.66	20.44	18.72	19.17	19.43	19.88	20.66
8H	4H	17.71	18.21	18.40	18.90	19.68	18.01	18.52	18.70	19.20	19.98
	6H	18.53	18.94	19.25	19.66	20.45	18.78	19.19	19.50	19.91	20.70
	8H	18.83	19.19	19.56	19.92	20.73	19.06	19.42	19.79	20.16	20.96
	12H	19.03	19.35	19.76	20.06	20.93	19.24	19.56	19.97	20.28	21.15
12H	4H	17.71	18.16	18.42	18.87	19.66	18.02	18.47	18.73	19.17	19.96
	6H	18.57	18.93	19.30	19.66	20.47	18.82	19.19	19.56	19.92	20.72
	8H	18.91	19.23	19.64	19.94	20.81	19.15	19.47	19.88	20.18	21.05

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

Test Information

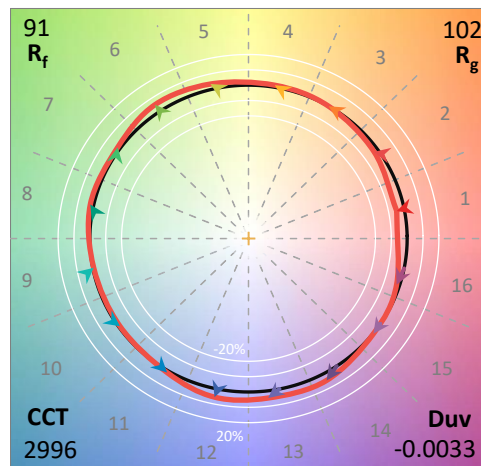
Test Method: LM-79-2019
 Report Number: SP1-2506-472-5
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 08/05/2025
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: Metalux
 Catalog Number: **EHBR-60-L930-N**
 Description: Elevate Round 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	R9:	61.4
R2:	98.1	R10:	94.4
R3:	97.8	R11:	95.7
R4:	95.6	R12:	88.5
R5:	96.9	R13:	97.3
R6:	95.7	R14:	97.8
R7:	90.9	R15:	92.3
R8:	83.0		



Test Conditions

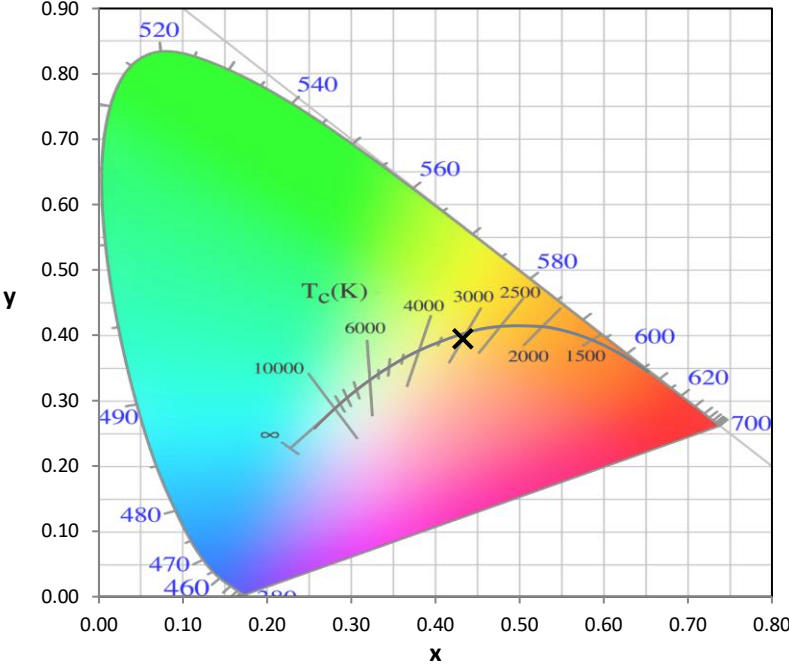
Stabilization Time: 40M
 Operation Time: 1H 40M
 Sphere Temperature (°C): 25.0

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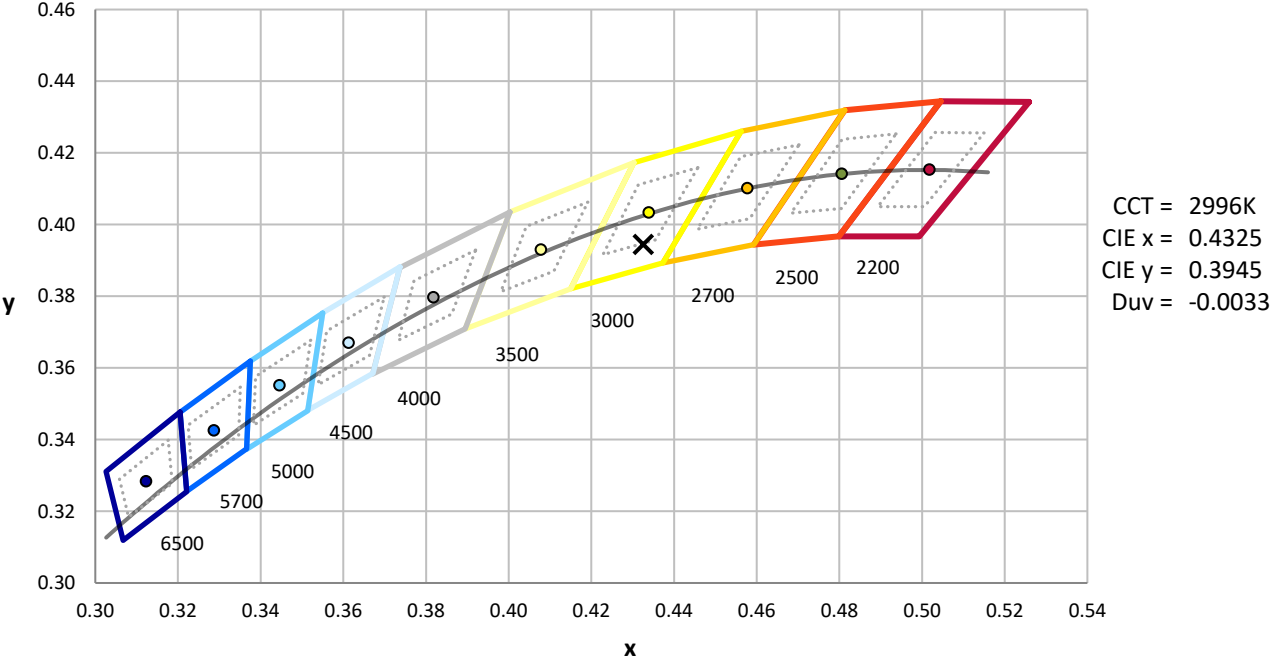
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208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

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CIE 1931 Chromaticity Diagram



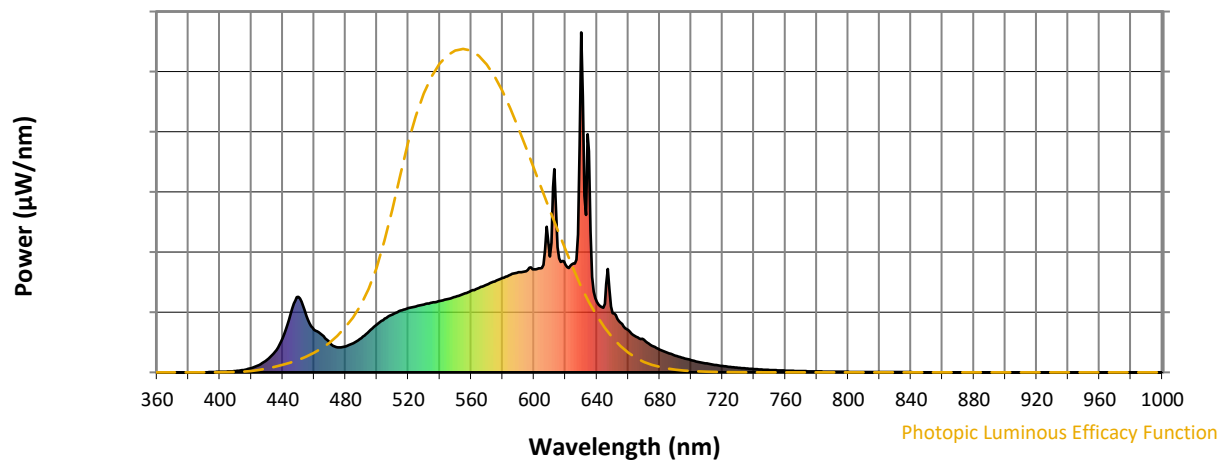
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 7-step quadrangle

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Photopic Flux vs. Wavelength

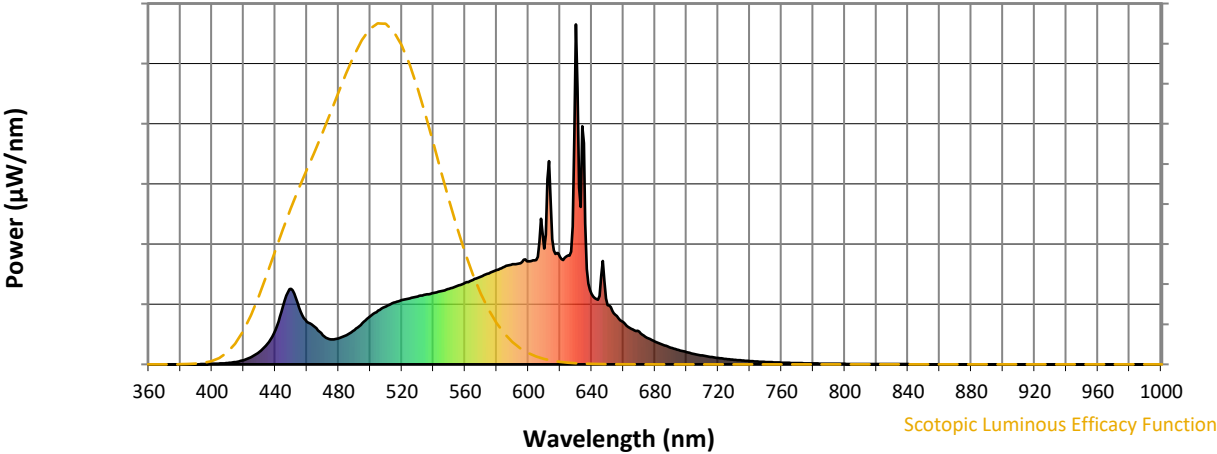


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2506-472-5

Scotopic Flux vs. Wavelength



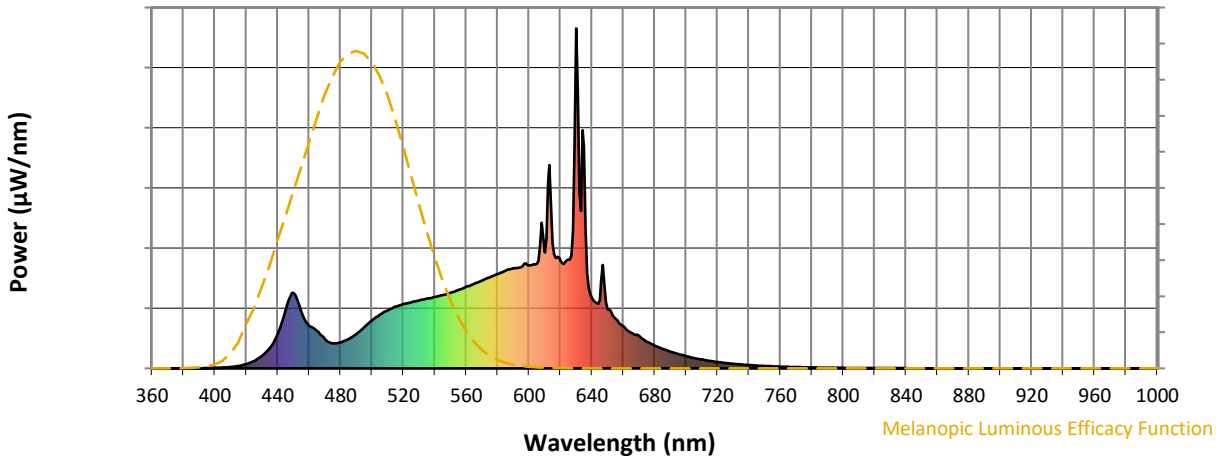
Scotopic Lumens: NR

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			

REPORT NUMBER: SP1-2506-472-5

Melanopic Flux vs. Wavelength



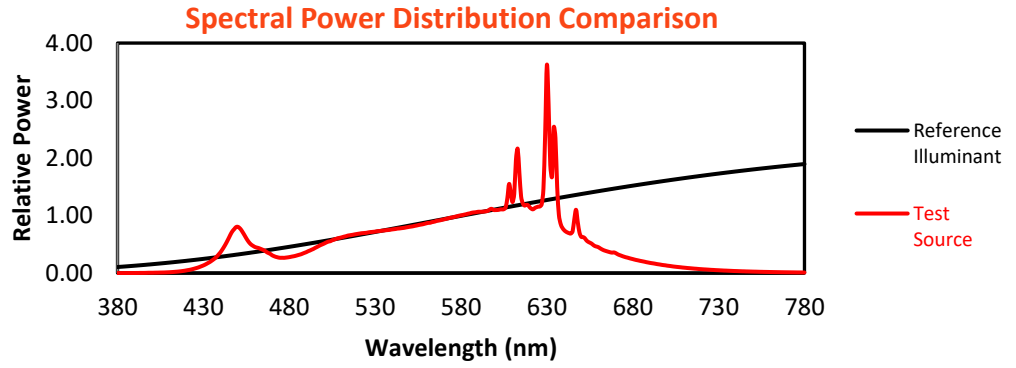
Melanopic Lumens: NR

M/P: 2.85

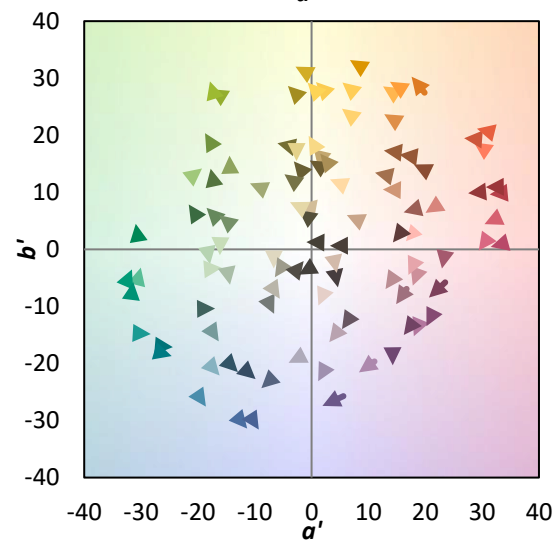
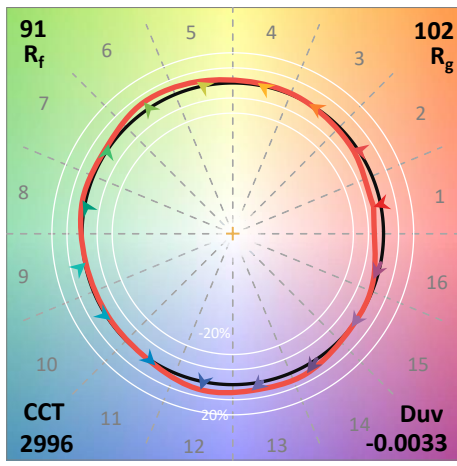
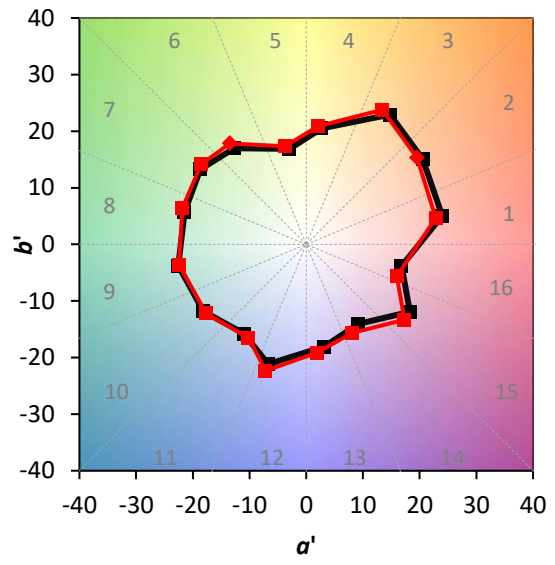
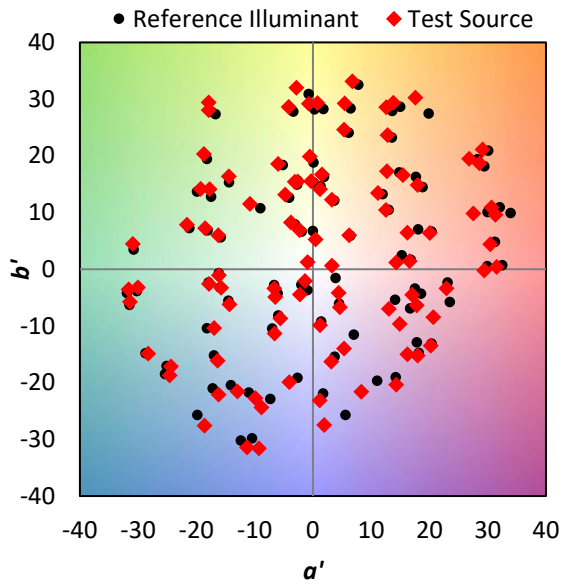
λ (nm)	Power (W/nm)	Lumens (ϕ /nm)	λ (nm)	Power (W/nm)	Lumens (ϕ /nm)	λ (nm)	Power (W/nm)	Lumens (ϕ /nm)	λ (nm)	Power (W/nm)	Lumens (ϕ /nm)	λ (nm)	Power (W/nm)	Lumens (ϕ /nm)
360	0	NR	490	101	NR	620	317	NR	750	7	NR	880	0	NR
365	0	NR	495	121	NR	625	320	NR	755	6	NR	885	0	NR
370	0	NR	500	141	NR	630	1000	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			

Summary

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

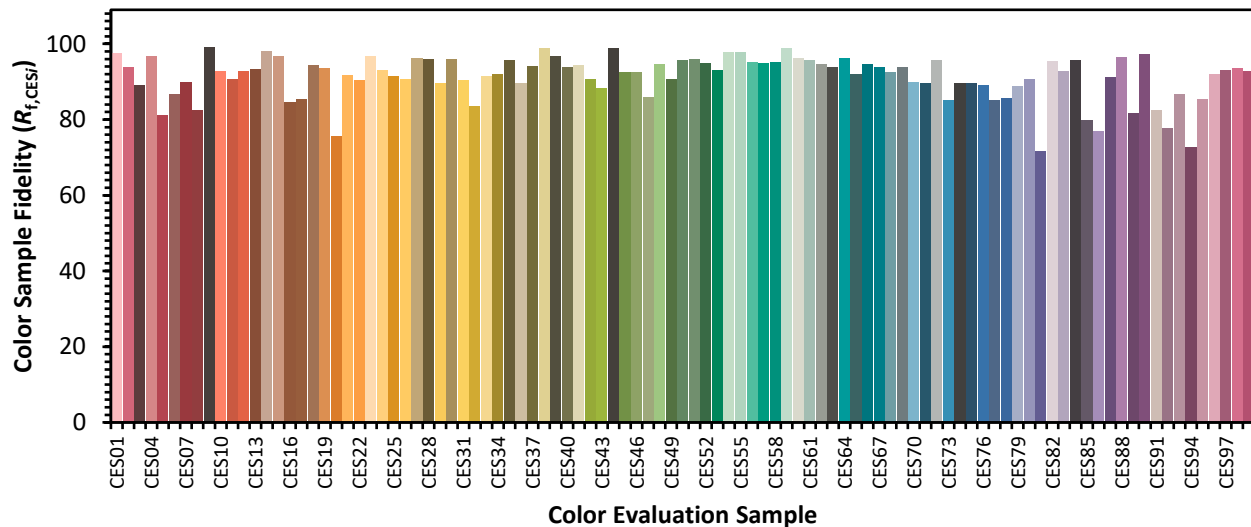


Color Vector Graphics

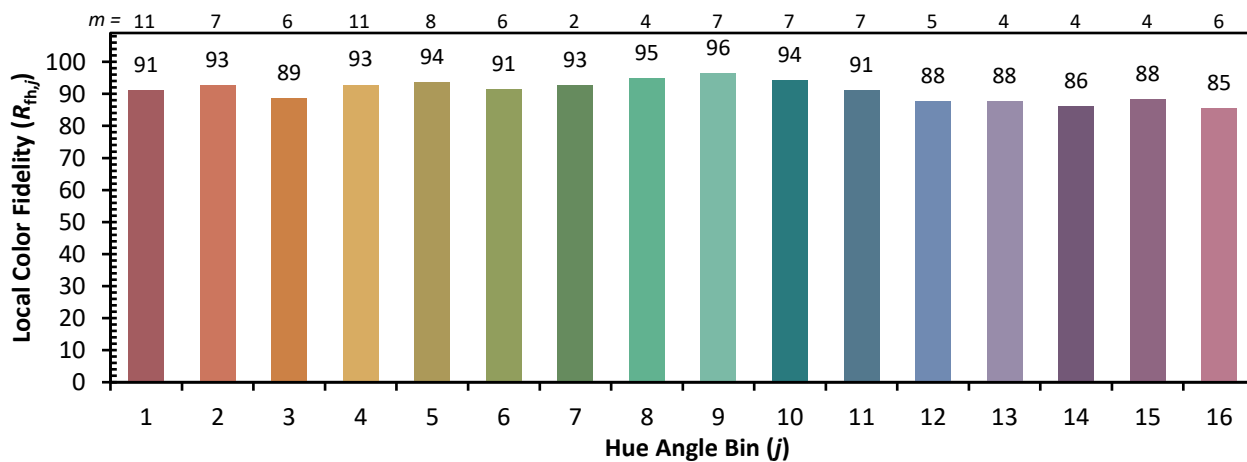
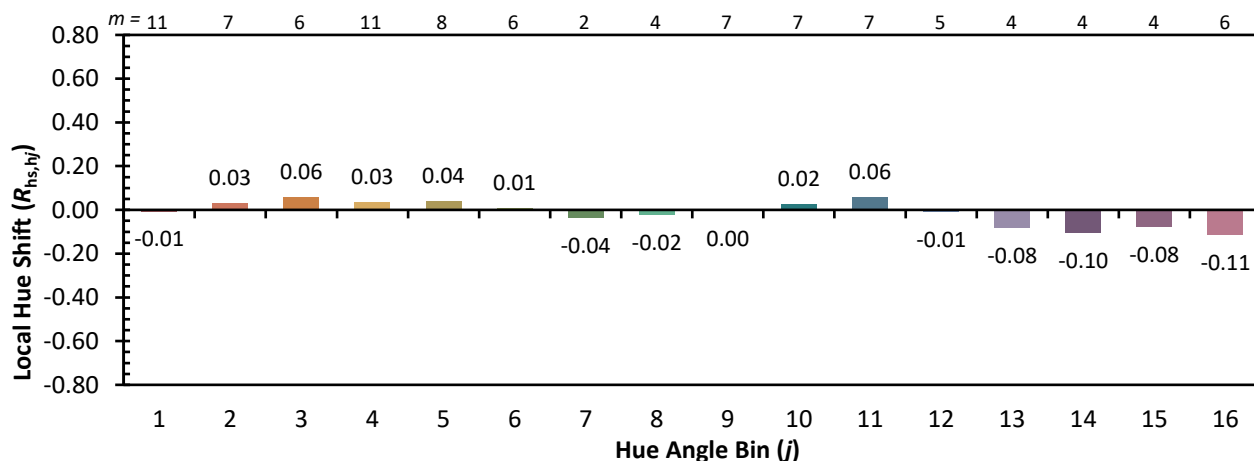
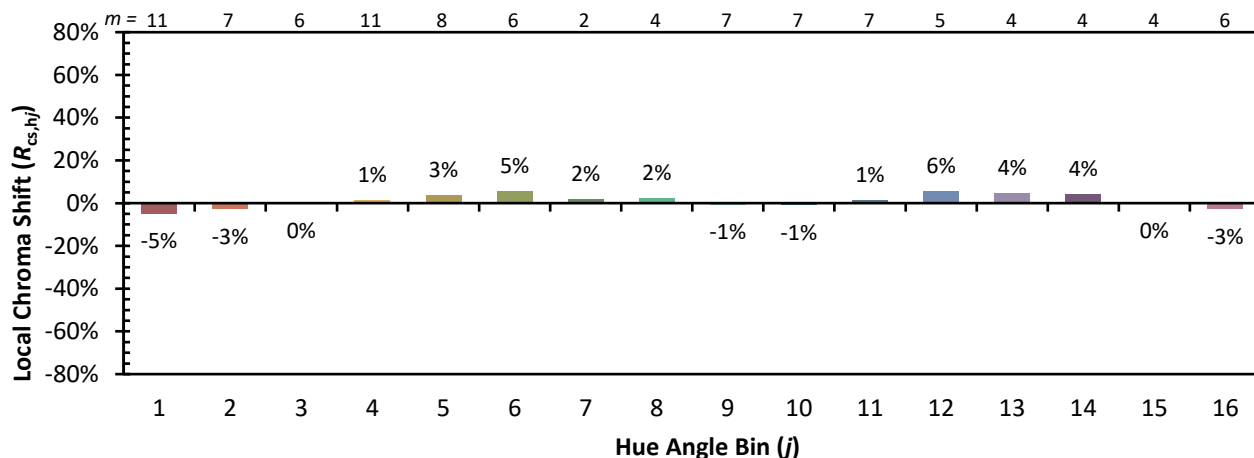


Individual Sample Fidelity Index (R_{fi})

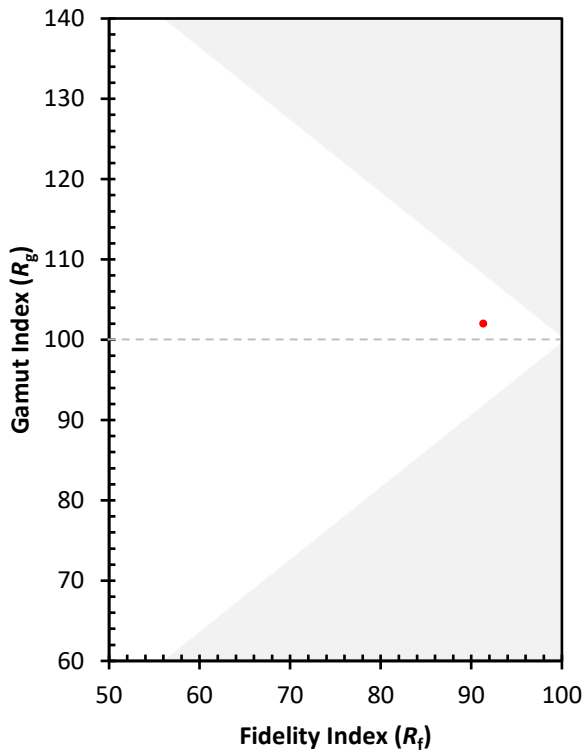
CES01 = 86	CES26 = 91	CES51 = 96	CES76 = 89
CES02 = 63	CES27 = 96	CES52 = 95	CES77 = 85
CES03 = 32	CES28 = 96	CES53 = 93	CES78 = 86
CES04 = 70	CES29 = 90	CES54 = 98	CES79 = 89
CES05 = 51	CES30 = 96	CES55 = 98	CES80 = 91
CES06 = 51	CES31 = 90	CES56 = 95	CES81 = 72
CES07 = 44	CES32 = 84	CES57 = 95	CES82 = 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	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)