

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: HALO

Report Number: P926868

Luminaire Tested: **HLBPH609FS6-935**

Issue Date: 12/11/2024



Test Information

Test Method: LM-79-08
Report Number: P926868
Test Lab: LEADING TESTING LABORATORIES
Issue Date: 12/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: HLBPH609FS6-935
Description: HALO HLBPH SLIM EDGE 6 inch 90 CRI COLOR SELECTABLE FIXTURE
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

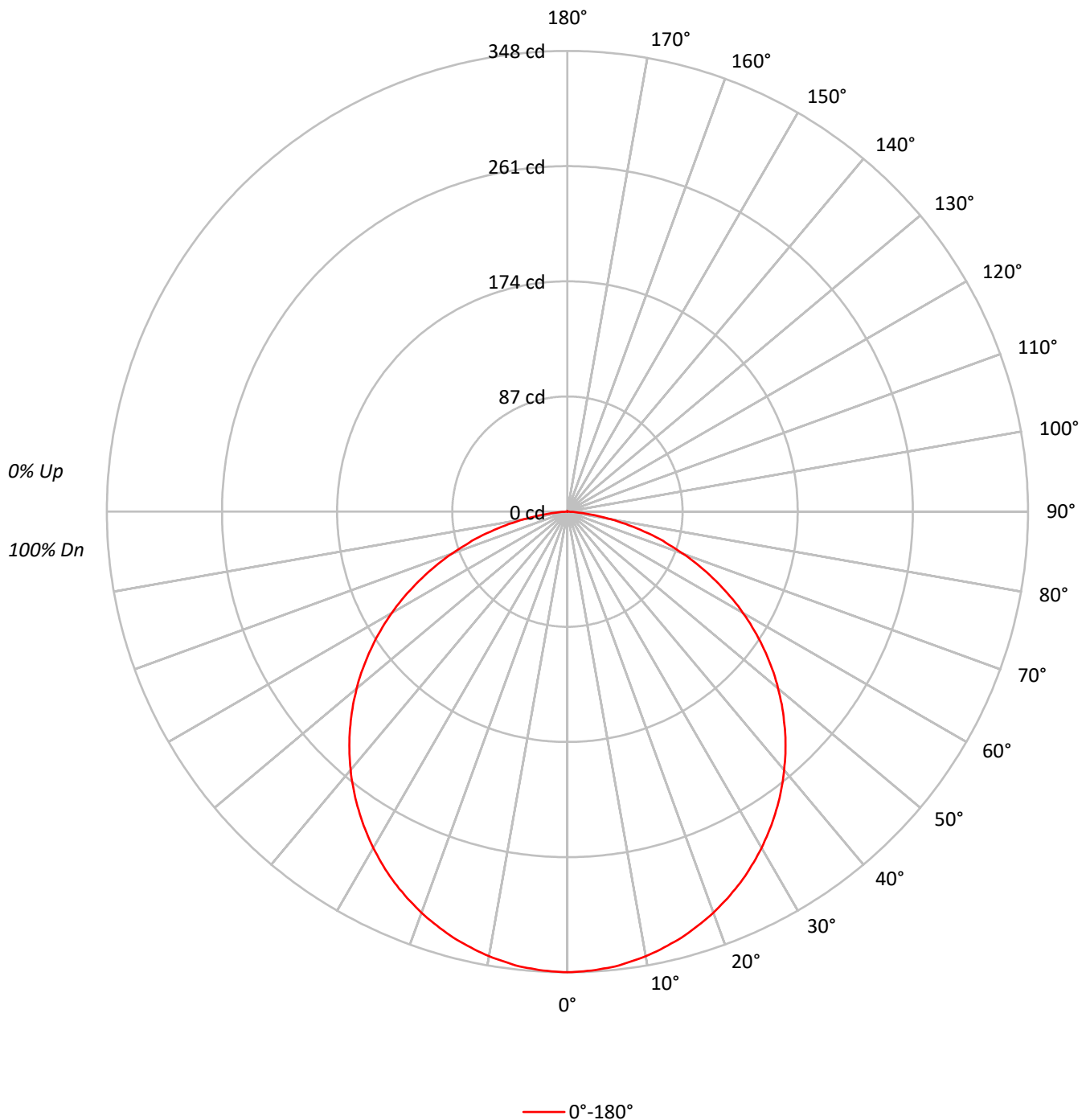
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 985.5 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.38
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
Input Voltage (V): 120
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: 25 FT

TEST NUMBER: P926868
CATALOG NUMBER: HLBPH609FS6-935

Luminous Intensity Polar Plot



TEST NUMBER: P926868

CATALOG NUMBER: HLBPH609FS6-935

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	109	104	100	96	106	102	98	95	98	94	92		94	91	89		84
2	99	91	84	78	96	89	83	77	85	80	76		82	78	74		70
3	90	80	71	65	88	78	70	64	75	69	63		72	67	62		59
4	83	71	62	55	80	69	61	55	67	59	54		64	58	53		50
5	76	63	54	47	74	62	53	47	60	52	46		58	51	46		43
6	70	57	48	41	68	56	47	41	54	46	41		52	45	40		38
7	65	51	43	36	63	51	42	36	49	41	36		47	41	36		33
8	60	47	38	32	59	46	38	32	45	37	32		44	37	32		30
9	56	43	35	29	55	42	34	29	41	34	29		40	33	29		27
10	53	40	32	26	52	39	31	26	38	31	26		37	31	26		24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	19072
5°	19040
10°	18982
15°	18905
20°	18808
25°	18703
30°	18572
35°	18411
40°	18234
45°	18010
50°	17722
55°	17337
60°	16808
65°	16046
70°	14906
75°	13365
80°	10639
85°	6290



TEST NUMBER: P926868
CATALOG NUMBER: HLBPH609FS6-935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.9	3.3
10°-20°	94.0	9.5
20°-30°	142.5	14.5
30°-40°	172.1	17.5
40°-50°	179.1	18.2
50°-60°	162.0	16.4
60°-70°	122.2	12.4
70°-80°	66.5	6.7
80°-90°	13.4	1.4
90°-100°	0.0	0.0
100°-110°	0.1	0.0
110°-120°	0.1	0.0
120°-130°	0.1	0.0
130°-140°	0.2	0.0
140°-150°	0.1	0.0
150°-160°	0.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	269.3	27.3
0°-40°	441.4	44.8
0°-60°	782.6	79.4
0°-90°	984.7	99.9
90°-120°	0.2	0.0
90°-150°	0.5	0.1
90°-180°	1.0	0.1
0°-180°	985.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	348	
5°	346	33
15°	333	94
25°	309	142
35°	275	172
45°	232	179
55°	181	162
65°	124	122
75°	63	67
85°	10	13
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	



TEST NUMBER: P926868
CATALOG NUMBER: HLBPH609FS6-935

CANDELA DISTRIBUTION (FULL):

0°	
0°	347.9
0.5°	347.9
1°	347.8
1.5°	347.6
2°	347.5
2.5°	347.3
3°	347.1
3.5°	346.9
4°	346.6
4.5°	346.3
5°	346.0
5.5°	345.8
6°	345.4
6.5°	345.0
7°	344.4
7.5°	343.8
8°	343.2
8.5°	342.6
9°	342.1
9.5°	341.6
10°	341.0
10.5°	340.3
11°	339.6
11.5°	338.9
12°	338.1
12.5°	337.2
13°	336.5
13.5°	335.6
14°	334.8
14.5°	334.0
15°	333.1
15.5°	332.1
16°	331.1
16.5°	330.0
17°	329.0
17.5°	327.9
18°	326.9
18.5°	325.8
19°	324.7
19.5°	323.6
20°	322.4
20.5°	321.2
21°	319.9
21.5°	318.6
22°	317.3



TEST NUMBER: P926868
CATALOG NUMBER: HLBPH609FS6-935

CANDELA DISTRIBUTION (continued):

0°	
22.5°	316.1
23°	314.7
23.5°	313.3
24°	312.0
24.5°	310.6
25°	309.2
25.5°	307.7
26°	306.3
26.5°	304.7
27°	303.1
27.5°	301.4
28°	299.9
28.5°	298.3
29°	296.6
29.5°	295.0
30°	293.4
30.5°	291.6
31°	289.8
31.5°	288.0
32°	286.3
32.5°	284.4
33°	282.7
33.5°	280.8
34°	278.9
34.5°	277.0
35°	275.1
35.5°	273.2
36°	271.3
36.5°	269.4
37°	267.3
37.5°	265.2
38°	263.2
38.5°	261.2
39°	259.1
39.5°	257.0
40°	254.8
40.5°	252.6
41°	250.5
41.5°	248.3
42°	246.1
42.5°	243.8
43°	241.6
43.5°	239.3
44°	237.1
44.5°	234.7



TEST NUMBER: P926868
CATALOG NUMBER: HLBPH609FS6-935

CANDELA DISTRIBUTION (continued):

	0°
45°	232.3
45.5°	229.9
46°	227.5
46.5°	225.2
47°	222.8
47.5°	220.3
48°	217.9
48.5°	215.4
49°	212.9
49.5°	210.3
50°	207.8
50.5°	205.4
51°	202.8
51.5°	200.3
52°	197.6
52.5°	194.9
53°	192.2
53.5°	189.5
54°	186.8
54.5°	184.1
55°	181.4
55.5°	178.7
56°	175.9
56.5°	173.2
57°	170.4
57.5°	167.5
58°	164.8
58.5°	161.9
59°	159.1
59.5°	156.2
60°	153.3
60.5°	150.4
61°	147.6
61.5°	144.5
62°	141.7
62.5°	138.7
63°	135.7
63.5°	132.6
64°	129.7
64.5°	126.7
65°	123.7
65.5°	120.6
66°	117.7
66.5°	114.6
67°	111.6



TEST NUMBER: P926868
CATALOG NUMBER: HLBPH609FS6-935

CANDELA DISTRIBUTION (continued):

0°	
67.5°	108.4
68°	105.4
68.5°	102.3
69°	99.2
69.5°	96.1
70°	93.0
70.5°	89.9
71°	86.9
71.5°	83.8
72°	80.7
72.5°	77.6
73°	75.7
73.5°	72.5
74°	69.4
74.5°	66.2
75°	63.1
75.5°	60.0
76°	57.0
76.5°	53.9
77°	51.0
77.5°	48.0
78°	45.1
78.5°	42.2
79°	39.3
79.5°	36.4
80°	33.7
80.5°	31.0
81°	28.3
81.5°	25.7
82°	23.1
82.5°	20.7
83°	18.3
83.5°	16.1
84°	13.9
84.5°	11.9
85°	10.0
85.5°	8.2
86°	6.9
86.5°	5.5
87°	4.2
87.5°	2.8
88°	1.9
88.5°	1.2
89°	0.6
89.5°	0.2



TEST NUMBER: P926868
CATALOG NUMBER: HLBPH609FS6-935

CANDELA DISTRIBUTION (continued):

	0°
90°	0.0
90.5°	0.0
91°	0.0
91.5°	0.0
92°	0.0
92.5°	0.0
93°	0.0
93.5°	0.0
94°	0.0
94.5°	0.0
95°	0.0
95.5°	0.0
96°	0.0
96.5°	0.0
97°	0.0
97.5°	0.0
98°	0.0
98.5°	0.0
99°	0.0
99.5°	0.0
100°	0.0
100.5°	0.0
101°	0.0
101.5°	0.0
102°	0.0
102.5°	0.0
103°	0.0
103.5°	0.0
104°	0.1
104.5°	0.1
105°	0.1
105.5°	0.1
106°	0.1
106.5°	0.1
107°	0.1
107.5°	0.1
108°	0.1
108.5°	0.1
109°	0.1
109.5°	0.1
110°	0.1
110.5°	0.1
111°	0.1
111.5°	0.1
112°	0.1



TEST NUMBER: P926868
CATALOG NUMBER: HLBPH609FS6-935

CANDELA DISTRIBUTION (continued):

	0°
112.5°	0.1
113°	0.1
113.5°	0.1
114°	0.1
114.5°	0.1
115°	0.1
115.5°	0.1
116°	0.1
116.5°	0.1
117°	0.1
117.5°	0.1
118°	0.1
118.5°	0.1
119°	0.1
119.5°	0.1
120°	0.1
120.5°	0.1
121°	0.1
121.5°	0.1
122°	0.1
122.5°	0.1
123°	0.1
123.5°	0.1
124°	0.1
124.5°	0.1
125°	0.1
125.5°	0.1
126°	0.1
126.5°	0.1
127°	0.1
127.5°	0.1
128°	0.1
128.5°	0.1
129°	0.1
129.5°	0.1
130°	0.1
130.5°	0.2
131°	0.2
131.5°	0.2
132°	0.2
132.5°	0.2
133°	0.2
133.5°	0.2
134°	0.2
134.5°	0.2



TEST NUMBER: P926868
CATALOG NUMBER: HLBPH609FS6-935

CANDELA DISTRIBUTION (continued):

	0°
135°	0.2
135.5°	0.2
136°	0.2
136.5°	0.2
137°	0.2
137.5°	0.2
138°	0.2
138.5°	0.2
139°	0.2
139.5°	0.2
140°	0.2
140.5°	0.2
141°	0.2
141.5°	0.2
142°	0.2
142.5°	0.2
143°	0.2
143.5°	0.2
144°	0.2
144.5°	0.2
145°	0.2
145.5°	0.2
146°	0.2
146.5°	0.2
147°	0.2
147.5°	0.2
148°	0.2
148.5°	0.2
149°	0.2
149.5°	0.2
150°	0.2
150.5°	0.2
151°	0.2
151.5°	0.2
152°	0.2
152.5°	0.2
153°	0.2
153.5°	0.2
154°	0.2
154.5°	0.2
155°	0.2
155.5°	0.2
156°	0.2
156.5°	0.2
157°	0.2



TEST NUMBER: P926868
CATALOG NUMBER: HLBPH609FS6-935

CANDELA DISTRIBUTION (continued):

	0°
157.5°	0.2
158°	0.2
158.5°	0.2
159°	0.2
159.5°	0.2
160°	0.2
160.5°	0.2
161°	0.2
161.5°	0.2
162°	0.2
162.5°	0.2
163°	0.2
163.5°	0.2
164°	0.2
164.5°	0.3
165°	0.3
165.5°	0.3
166°	0.3
166.5°	0.3
167°	0.3
167.5°	0.3
168°	0.3
168.5°	0.3
169°	0.3
169.5°	0.3
170°	0.3
170.5°	0.3
171°	0.3
171.5°	0.3
172°	0.3
172.5°	0.3
173°	0.3
173.5°	0.3
174°	0.3
174.5°	0.3
175°	0.3
175.5°	0.3
176°	0.3
176.5°	0.3
177°	0.3
177.5°	0.3
178°	0.3
178.5°	0.3
179°	0.3
179.5°	0.3

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Scaled Data Report



TEST NUMBER: P926868
CATALOG NUMBER: HLBPH609FS6-935

CANDELA DISTRIBUTION (continued):

180° | $\overbrace{\hspace{1.5cm}}^{0^\circ}$
0.3

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Halo Home

Report Number: SP1-2501-315-9

Test Date: 01/14/2025

Luminaire Tested: HLBPH609FS6-3500K

Data in this report applies to families of products including HLBPH609FS6-3500K

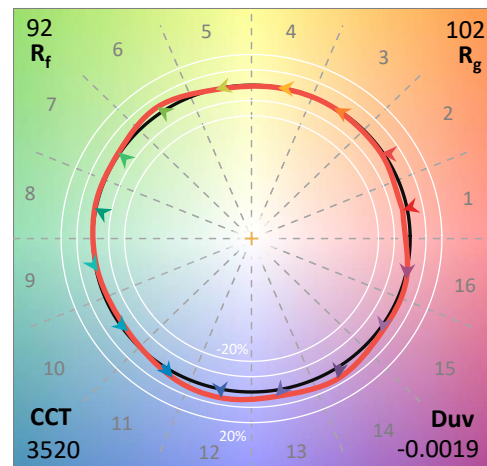
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2501-315-9
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 01/15/2025
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: Halo Home
 Catalog Number: **HLBPH609FS6-3500K**
 Description: HLBPH 6 INCH 6 CCT FIXTURE@3500K

Spectral Parameters

CCT (K): 3520
 CIE u' : 0.2361
 CIE v' : 0.5083
 Duv: -0.0019
 CIE x: 0.4022
 CIE y: 0.3849
 CIE z: 0.2129
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 581
 Purity: 36.22193
 R_f: 91.6
 R_g: 102

CRI (Ra): 96.3
 R1: 99.4
 R2: 97.2
 R3: 91.4
 R4: 96.3
 R5: 98.0
 R6: 95.0
 R7: 96.9
 R8: 96.0
 R9: 86.4
 R10: 89.7
 R11: 94.5
 R12: 76.5
 R13: 99.2
 R14: 93.6
 R15: 98.9



Test Conditions

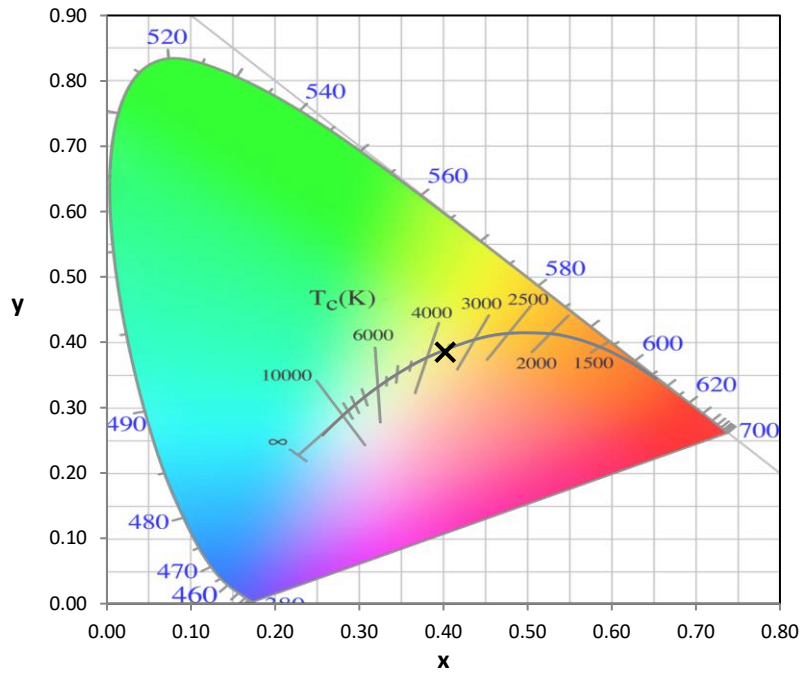
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 24.4

REPORT NUMBER: SP1-2501-315-9

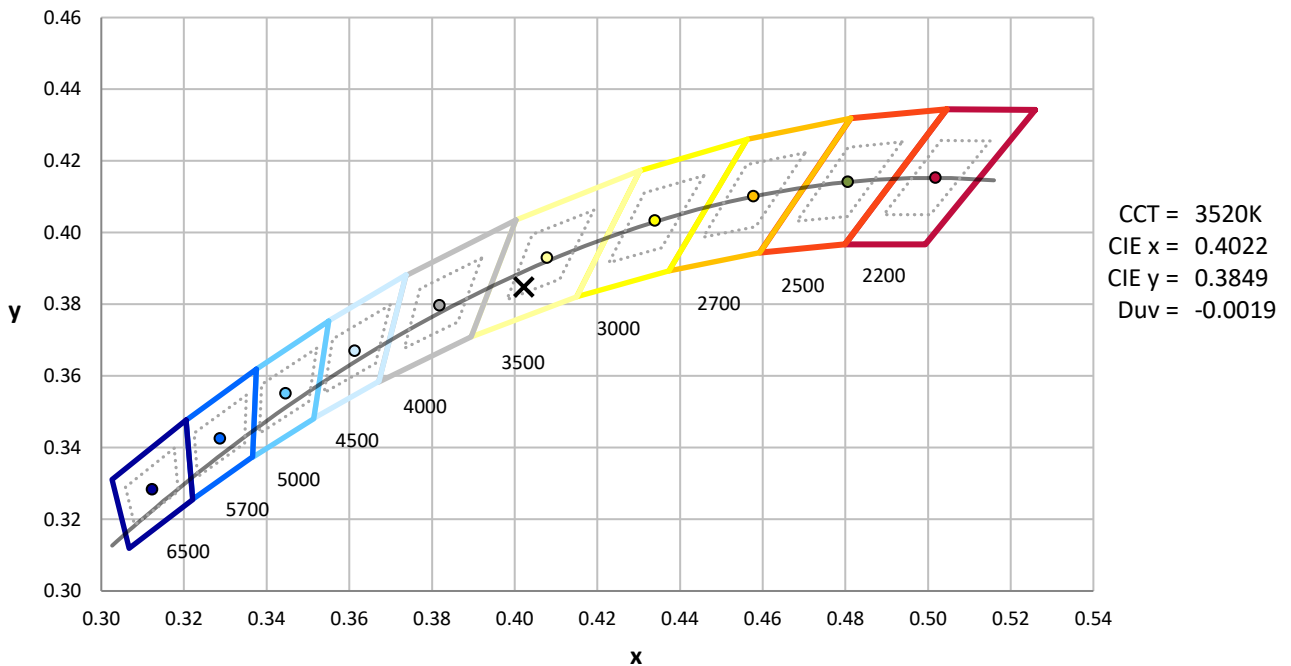
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085	10/22/2024	10/22/2025
Room Thermometer	IN0046	10/22/2024	10/22/2025

REPORT NUMBER: SP1-2501-315-9

CIE 1931 Chromaticity Diagram



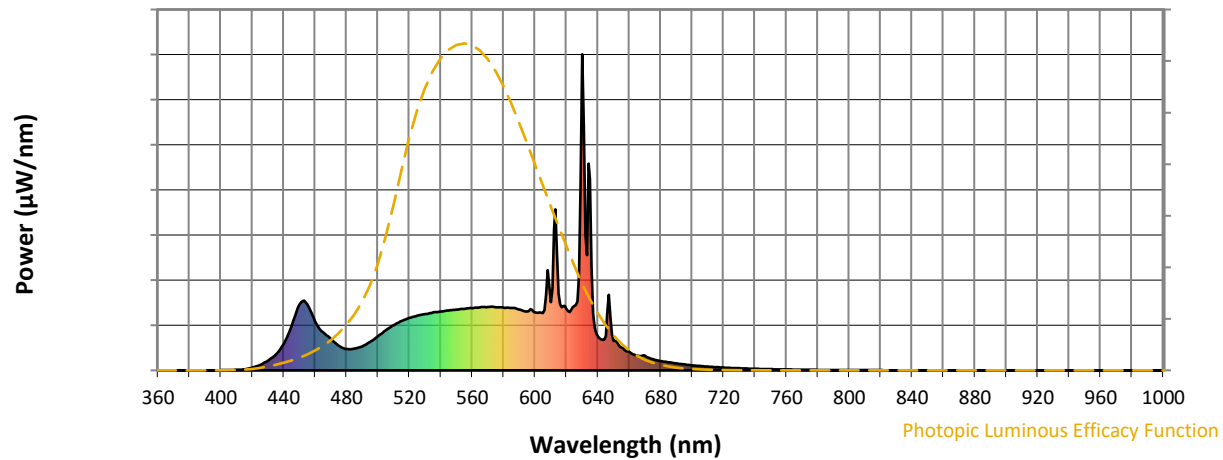
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2501-315-9

Photopic Flux vs. Wavelength

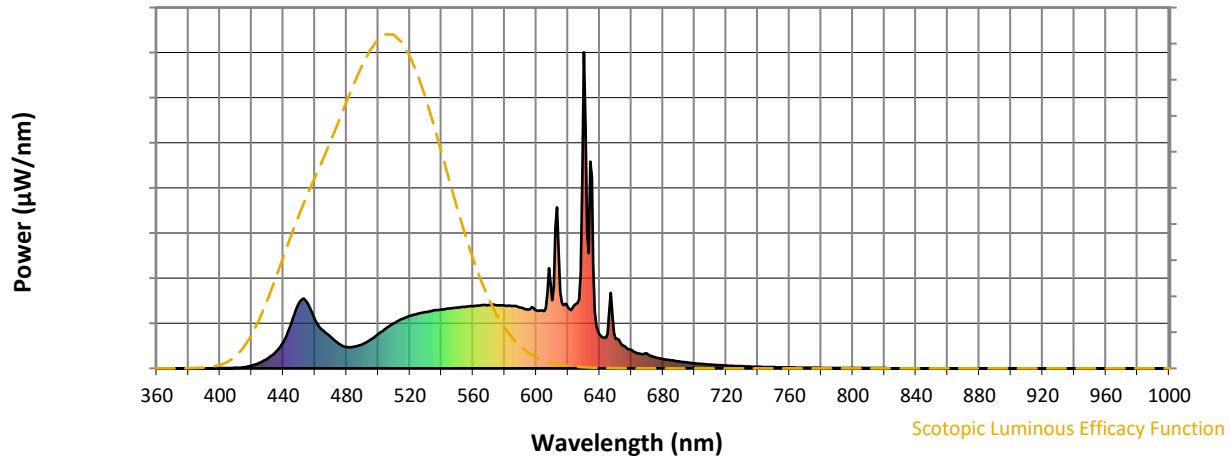


Photopic Lumens: NR

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	76	NR	620	193	NR	750	4	NR	880	0	NR
365	0	NR	495	90	NR	625	204	NR	755	3	NR	885	0	NR
370	0	NR	500	108	NR	630	1000	NR	760	3	NR	890	0	NR
375	0	NR	505	126	NR	635	606	NR	765	2	NR	895	0	NR
380	0	NR	510	143	NR	640	107	NR	770	2	NR	900	0	NR
385	0	NR	515	156	NR	645	110	NR	775	2	NR	905	0	NR
390	0	NR	520	166	NR	650	93	NR	780	2	NR	910	0	NR
395	0	NR	525	173	NR	655	72	NR	785	1	NR	915	0	NR
400	1	NR	530	178	NR	660	59	NR	790	1	NR	920	0	NR
405	1	NR	535	183	NR	665	47	NR	795	1	NR	925	0	NR
410	2	NR	540	186	NR	670	47	NR	800	1	NR	930	0	NR
415	4	NR	545	190	NR	675	35	NR	805	1	NR	935	0	NR
420	9	NR	550	192	NR	680	30	NR	810	1	NR	940	0	NR
425	18	NR	555	195	NR	685	25	NR	815	1	NR	945	0	NR
430	31	NR	560	197	NR	690	22	NR	820	1	NR	950	0	NR
435	51	NR	565	199	NR	695	19	NR	825	0	NR	955	0	NR
440	83	NR	570	200	NR	700	16	NR	830	0	NR	960	0	NR
445	140	NR	575	200	NR	705	14	NR	835	0	NR	965	0	NR
450	208	NR	580	199	NR	710	12	NR	840	0	NR	970	0	NR
455	209	NR	585	198	NR	715	10	NR	845	0	NR	975	0	NR
460	155	NR	590	193	NR	720	9	NR	850	0	NR	980	0	NR
465	121	NR	595	186	NR	725	8	NR	855	0	NR	985	0	NR
470	99	NR	600	183	NR	730	7	NR	860	0	NR	990	0	NR
475	78	NR	605	182	NR	735	6	NR	865	0	NR	995	0	NR
480	68	NR	610	216	NR	740	5	NR	870	0	NR	1000	0	NR
485	69	NR	615	243	NR	745	4	NR	875	0	NR			

REPORT NUMBER: SP1-2501-315-9

Scotopic Flux vs. Wavelength



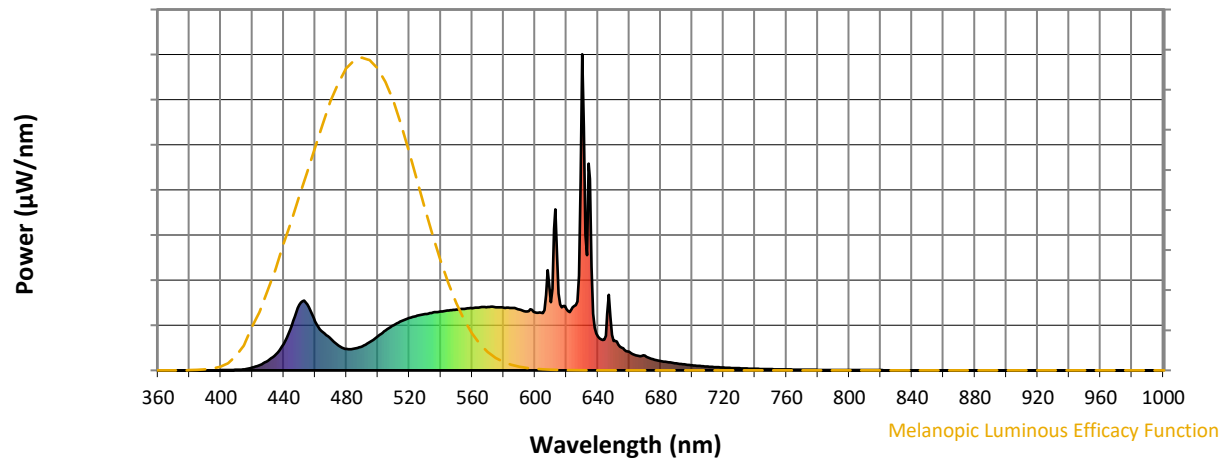
Scotopic Lumens: NR

S/P: 1.63

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	76	NR	620	193	NR	750	4	NR	880	0	NR
365	0	NR	495	90	NR	625	204	NR	755	3	NR	885	0	NR
370	0	NR	500	108	NR	630	1000	NR	760	3	NR	890	0	NR
375	0	NR	505	126	NR	635	606	NR	765	2	NR	895	0	NR
380	0	NR	510	143	NR	640	107	NR	770	2	NR	900	0	NR
385	0	NR	515	156	NR	645	110	NR	775	2	NR	905	0	NR
390	0	NR	520	166	NR	650	93	NR	780	2	NR	910	0	NR
395	0	NR	525	173	NR	655	72	NR	785	1	NR	915	0	NR
400	1	NR	530	178	NR	660	59	NR	790	1	NR	920	0	NR
405	1	NR	535	183	NR	665	47	NR	795	1	NR	925	0	NR
410	2	NR	540	186	NR	670	47	NR	800	1	NR	930	0	NR
415	4	NR	545	190	NR	675	35	NR	805	1	NR	935	0	NR
420	9	NR	550	192	NR	680	30	NR	810	1	NR	940	0	NR
425	18	NR	555	195	NR	685	25	NR	815	1	NR	945	0	NR
430	31	NR	560	197	NR	690	22	NR	820	1	NR	950	0	NR
435	51	NR	565	199	NR	695	19	NR	825	0	NR	955	0	NR
440	83	NR	570	200	NR	700	16	NR	830	0	NR	960	0	NR
445	140	NR	575	200	NR	705	14	NR	835	0	NR	965	0	NR
450	208	NR	580	199	NR	710	12	NR	840	0	NR	970	0	NR
455	209	NR	585	198	NR	715	10	NR	845	0	NR	975	0	NR
460	155	NR	590	193	NR	720	9	NR	850	0	NR	980	0	NR
465	121	NR	595	186	NR	725	8	NR	855	0	NR	985	0	NR
470	99	NR	600	183	NR	730	7	NR	860	0	NR	990	0	NR
475	78	NR	605	182	NR	735	6	NR	865	0	NR	995	0	NR
480	68	NR	610	216	NR	740	5	NR	870	0	NR	1000	0	NR
485	69	NR	615	243	NR	745	4	NR	875	0	NR			

REPORT NUMBER: SP1-2501-315-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.3

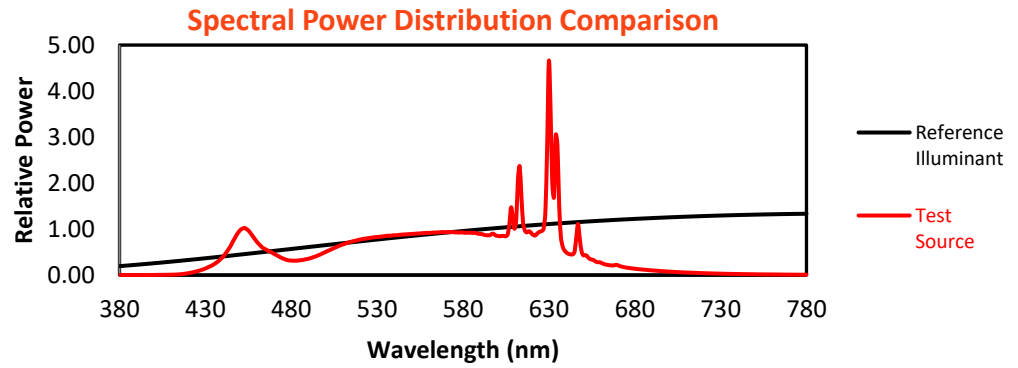
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	76	NR	620	193	NR	750	4	NR	880	0	NR
365	0	NR	495	90	NR	625	204	NR	755	3	NR	885	0	NR
370	0	NR	500	108	NR	630	1000	NR	760	3	NR	890	0	NR
375	0	NR	505	126	NR	635	606	NR	765	2	NR	895	0	NR
380	0	NR	510	143	NR	640	107	NR	770	2	NR	900	0	NR
385	0	NR	515	156	NR	645	110	NR	775	2	NR	905	0	NR
390	0	NR	520	166	NR	650	93	NR	780	2	NR	910	0	NR
395	0	NR	525	173	NR	655	72	NR	785	1	NR	915	0	NR
400	1	NR	530	178	NR	660	59	NR	790	1	NR	920	0	NR
405	1	NR	535	183	NR	665	47	NR	795	1	NR	925	0	NR
410	2	NR	540	186	NR	670	47	NR	800	1	NR	930	0	NR
415	4	NR	545	190	NR	675	35	NR	805	1	NR	935	0	NR
420	9	NR	550	192	NR	680	30	NR	810	1	NR	940	0	NR
425	18	NR	555	195	NR	685	25	NR	815	1	NR	945	0	NR
430	31	NR	560	197	NR	690	22	NR	820	1	NR	950	0	NR
435	51	NR	565	199	NR	695	19	NR	825	0	NR	955	0	NR
440	83	NR	570	200	NR	700	16	NR	830	0	NR	960	0	NR
445	140	NR	575	200	NR	705	14	NR	835	0	NR	965	0	NR
450	208	NR	580	199	NR	710	12	NR	840	0	NR	970	0	NR
455	209	NR	585	198	NR	715	10	NR	845	0	NR	975	0	NR
460	155	NR	590	193	NR	720	9	NR	850	0	NR	980	0	NR
465	121	NR	595	186	NR	725	8	NR	855	0	NR	985	0	NR
470	99	NR	600	183	NR	730	7	NR	860	0	NR	990	0	NR
475	78	NR	605	182	NR	735	6	NR	865	0	NR	995	0	NR
480	68	NR	610	216	NR	740	5	NR	870	0	NR	1000	0	NR
485	69	NR	615	243	NR	745	4	NR	875	0	NR			

REPORT NUMBER: SP1-2501-315-9

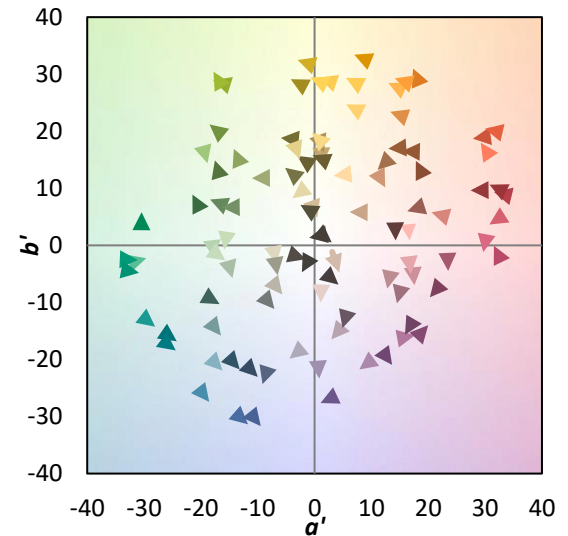
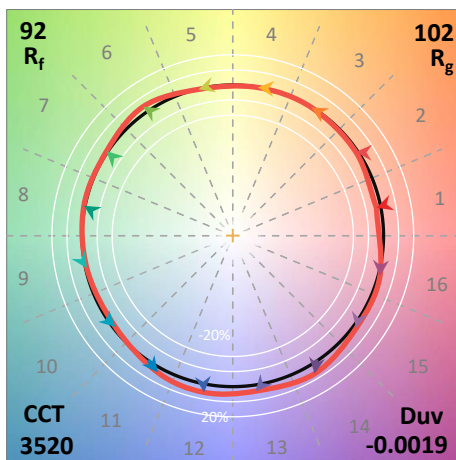
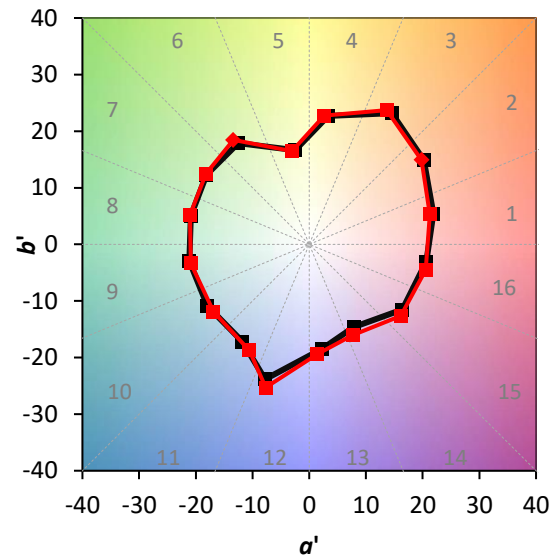
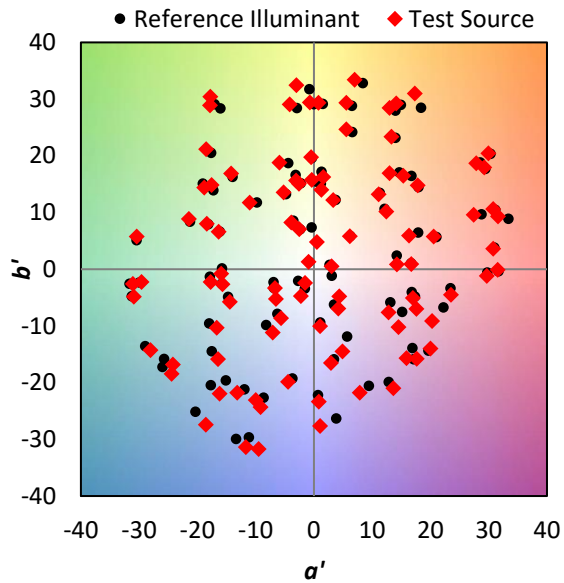
TM-30-18

Summary

$R_f = 91.6$
 $R_g = 102$
 $CIE R_a = 96.3$
 $R_g = 86.4$

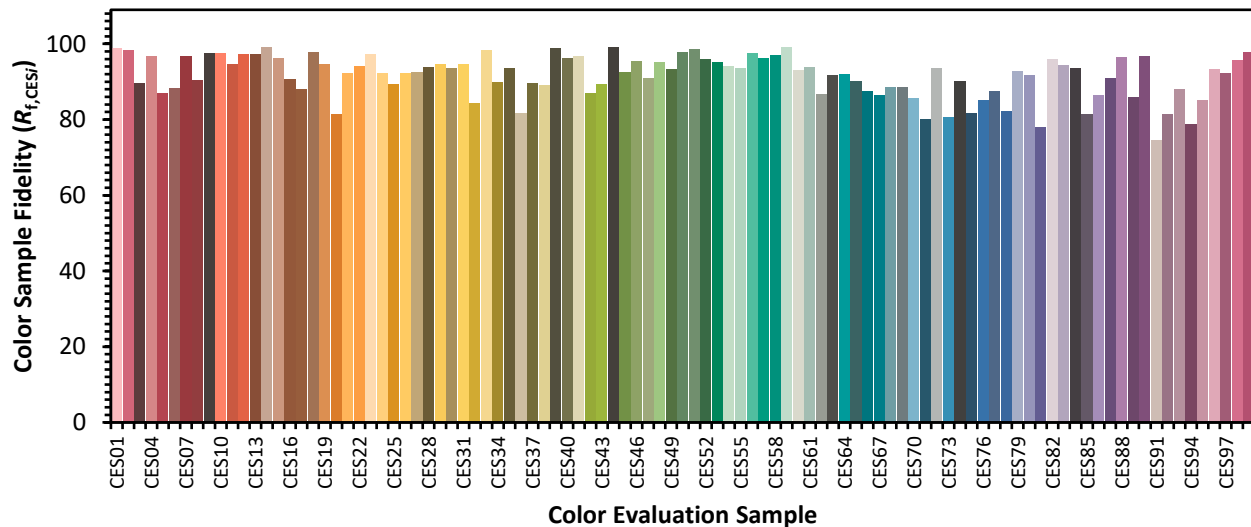


Color Vector Graphics

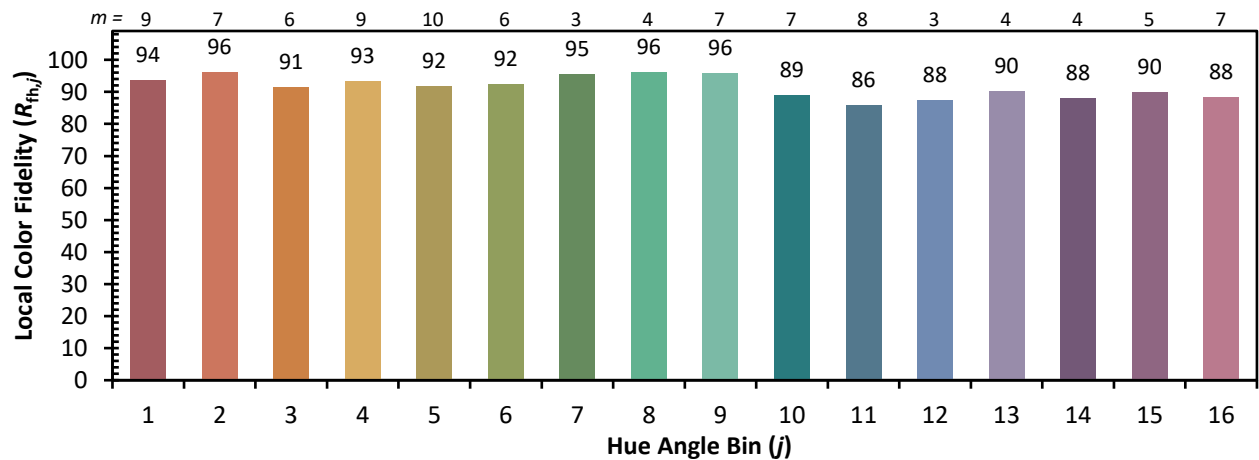
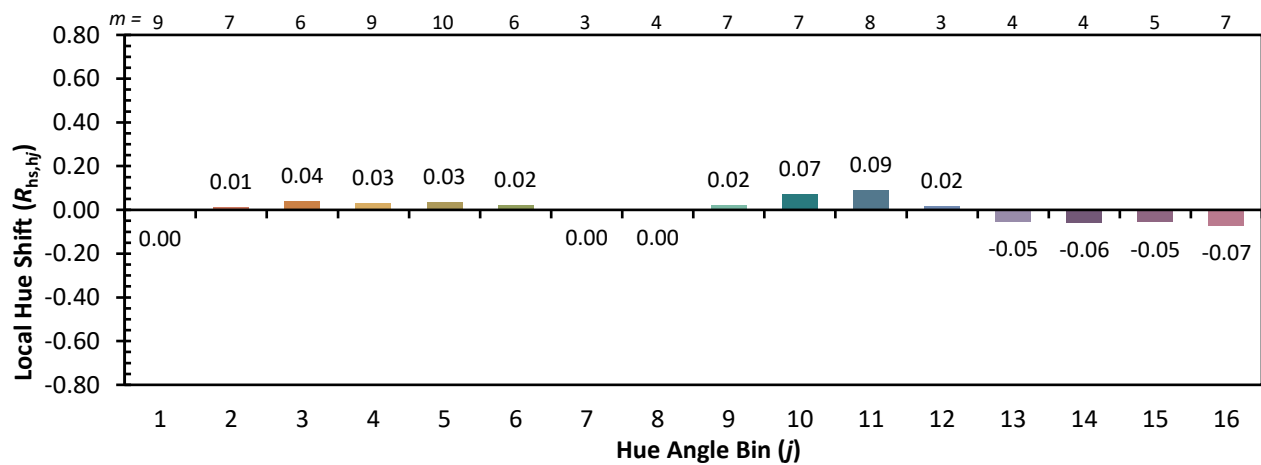
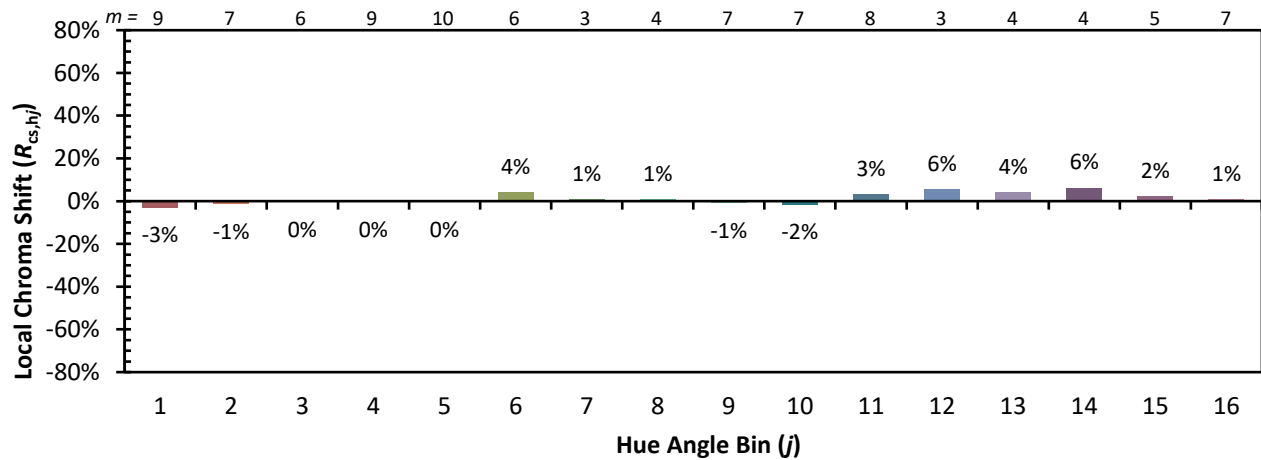


Individual Sample Fidelity Index ($R_{f,i}$)

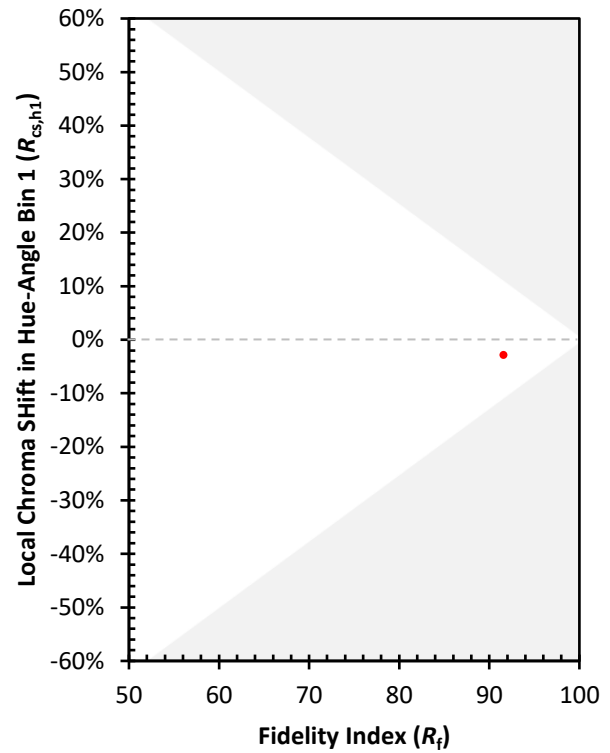
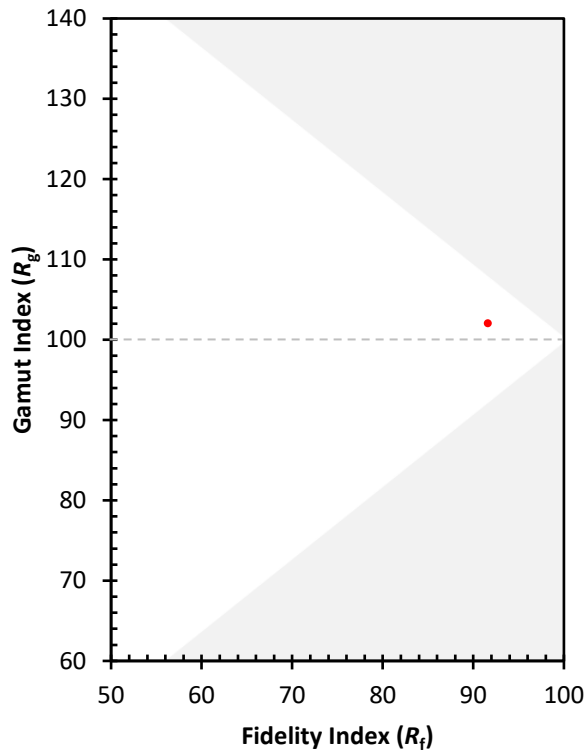
CES01 = 86	CES26 = 92	CES51 = 99	CES76 = 85
CES02 = 62	CES27 = 92	CES52 = 96	CES77 = 87
CES03 = 32	CES28 = 94	CES53 = 95	CES78 = 82
CES04 = 70	CES29 = 95	CES54 = 94	CES79 = 93
CES05 = 50	CES30 = 94	CES55 = 94	CES80 = 92
CES06 = 50	CES31 = 95	CES56 = 98	CES81 = 78
CES07 = 43	CES32 = 84	CES57 = 96	CES82 = 96
CES08 = 42	CES33 = 98	CES58 = 97	CES83 = 94
CES09 = 29	CES34 = 90	CES59 = 99	CES84 = 93
CES10 = 75	CES35 = 94	CES60 = 93	CES85 = 81
CES11 = 57	CES36 = 82	CES61 = 94	CES86 = 86
CES12 = 64	CES37 = 90	CES62 = 87	CES87 = 91
CES13 = 44	CES38 = 89	CES63 = 92	CES88 = 96
CES14 = 74	CES39 = 99	CES64 = 92	CES89 = 86
CES15 = 72	CES40 = 96	CES65 = 90	CES90 = 97
CES16 = 48	CES41 = 97	CES66 = 88	CES91 = 75
CES17 = 49	CES42 = 87	CES67 = 86	CES92 = 81
CES18 = 56	CES43 = 89	CES68 = 89	CES93 = 88
CES19 = 71	CES44 = 99	CES69 = 89	CES94 = 79
CES20 = 67	CES45 = 93	CES70 = 86	CES95 = 85
CES21 = 86	CES46 = 95	CES71 = 80	CES96 = 93
CES22 = 78	CES47 = 91	CES72 = 94	CES97 = 92
CES23 = 91	CES48 = 95	CES73 = 81	CES98 = 96
CES24 = 90	CES49 = 93	CES74 = 90	CES99 = 98
CES25 = 71	CES50 = 98	CES75 = 82	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)