

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: P926869

Luminaire Tested: **HLBPH609FS6-940**

Issue Date: 12/11/2024



Test Information

Test Method: LM-79-08
Report Number: P926869
Test Lab: LEADING TESTING LABORATORIES
Issue Date: 12/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: HLBPH609FS6-940
Description: HALO HLBPH SLIM EDGE 6 inch 90 CRI COLOR SELECTABLE FIXTURE
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

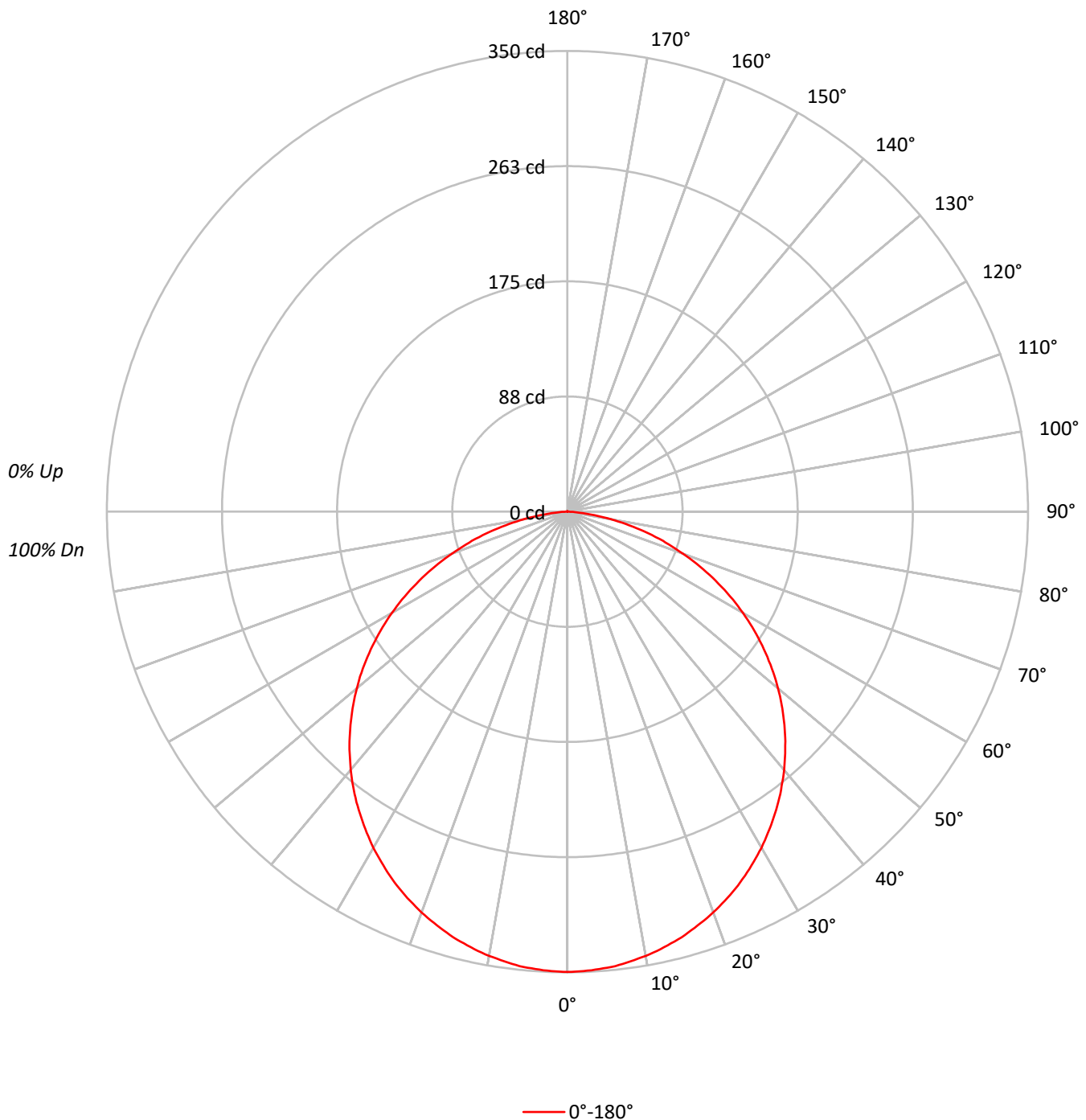
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 990.5 lumens
Efficiency: N/A
Efficacy: 100.0 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

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	104	100	96	106	102	98	95	98	94	92		94	91	89		90
2	99	91	84	78	96	89	83	77	85	80	76		82	78	74		79
3	90	80	71	65	88	78	70	64	75	69	63		72	67	62		70
4	83	71	62	55	80	69	61	55	67	59	54		64	58	53		62
5	76	63	54	47	74	62	53	47	60	52	46		58	51	46		56
6	70	57	48	41	68	56	47	41	54	46	41		52	45	40		51
7	65	51	43	36	63	51	42	36	49	41	36		47	41	36		46
8	60	47	38	32	59	46	38	32	45	37	32		44	37	32		42
9	56	43	35	29	55	42	34	29	41	34	29		40	33	29		39
10	53	40	32	26	52	39	31	26	38	31	26		37	31	26		36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	19171
5°	19139
10°	19077
15°	19001
20°	18902
25°	18799
30°	18667
35°	18504
40°	18327
45°	18103
50°	17816
55°	17424
60°	16896
65°	16124
70°	14987
75°	13429
80°	10671
85°	6290

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Scaled Data Report



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.0	3.3
10°-20°	94.5	9.5
20°-30°	143.2	14.5
30°-40°	173.0	17.5
40°-50°	180.1	18.2
50°-60°	162.9	16.4
60°-70°	122.8	12.4
70°-80°	66.8	6.7
80°-90°	13.5	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°	270.7	27.3
0°-40°	443.7	44.8
0°-60°	786.6	79.4
0°-90°	989.7	99.9
90°-120°	0.2	0.0
90°-150°	0.5	0.1
90°-180°	1.0	0.1
0°-180°	990.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	350	
5°	348	33
15°	335	94
25°	311	143
35°	276	173
45°	234	180
55°	182	163
65°	124	123
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	0



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CANDELA DISTRIBUTION (FULL):

0°	
0°	349.7
0.5°	349.6
1°	349.5
1.5°	349.4
2°	349.2
2.5°	349.1
3°	348.9
3.5°	348.6
4°	348.4
4.5°	348.0
5°	347.8
5.5°	347.5
6°	347.2
6.5°	346.7
7°	346.2
7.5°	345.5
8°	345.0
8.5°	344.4
9°	343.8
9.5°	343.3
10°	342.7
10.5°	342.1
11°	341.3
11.5°	340.6
12°	339.8
12.5°	339.0
13°	338.2
13.5°	337.3
14°	336.5
14.5°	335.7
15°	334.8
15.5°	333.8
16°	332.7
16.5°	331.7
17°	330.7
17.5°	329.6
18°	328.5
18.5°	327.4
19°	326.4
19.5°	325.2
20°	324.0
20.5°	322.8
21°	321.5
21.5°	320.2
22°	319.0



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CANDELA DISTRIBUTION (continued):

0°	
22.5°	317.7
23°	316.3
23.5°	314.9
24°	313.6
24.5°	312.2
25°	310.8
25.5°	309.2
26°	307.8
26.5°	306.2
27°	304.7
27.5°	303.0
28°	301.4
28.5°	299.8
29°	298.1
29.5°	296.5
30°	294.9
30.5°	293.1
31°	291.3
31.5°	289.5
32°	287.7
32.5°	285.9
33°	284.1
33.5°	282.2
34°	280.3
34.5°	278.4
35°	276.5
35.5°	274.6
36°	272.7
36.5°	270.7
37°	268.7
37.5°	266.6
38°	264.5
38.5°	262.5
39°	260.4
39.5°	258.3
40°	256.1
40.5°	253.9
41°	251.7
41.5°	249.5
42°	247.3
42.5°	245.1
43°	242.8
43.5°	240.6
44°	238.3
44.5°	235.9



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CANDELA DISTRIBUTION (continued):

	0°
45°	233.5
45.5°	231.1
46°	228.7
46.5°	226.3
47°	223.9
47.5°	221.5
48°	219.0
48.5°	216.5
49°	214.0
49.5°	211.4
50°	208.9
50.5°	206.4
51°	203.9
51.5°	201.3
52°	198.6
52.5°	195.9
53°	193.2
53.5°	190.4
54°	187.8
54.5°	185.0
55°	182.3
55.5°	179.6
56°	176.8
56.5°	174.1
57°	171.2
57.5°	168.4
58°	165.6
58.5°	162.7
59°	159.9
59.5°	157.0
60°	154.1
60.5°	151.1
61°	148.3
61.5°	145.3
62°	142.4
62.5°	139.4
63°	136.3
63.5°	133.3
64°	130.4
64.5°	127.3
65°	124.3
65.5°	121.2
66°	118.3
66.5°	115.1
67°	112.1



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CANDELA DISTRIBUTION (continued):

0°	
67.5°	109.0
68°	105.9
68.5°	102.9
69°	99.7
69.5°	96.6
70°	93.5
70.5°	90.4
71°	87.3
71.5°	84.2
72°	81.1
72.5°	78.0
73°	76.1
73.5°	72.9
74°	69.7
74.5°	66.6
75°	63.4
75.5°	60.3
76°	57.3
76.5°	54.2
77°	51.2
77.5°	48.3
78°	45.3
78.5°	42.4
79°	39.5
79.5°	36.6
80°	33.8
80.5°	31.1
81°	28.5
81.5°	25.8
82°	23.3
82.5°	20.8
83°	18.4
83.5°	16.2
84°	14.0
84.5°	12.0
85°	10.0
85.5°	8.3
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



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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



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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



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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



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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



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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: SP1-2501-315-10

Test Date: 01/14/2025

Luminaire Tested: HLBPH609FS6-4000K

Data in this report applies to families of products including HLBPH609FS6-4000K

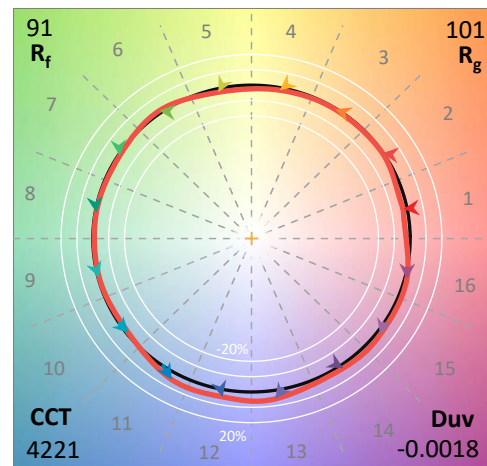
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2501-315-10
 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: **HLBPH609FS6-4000K**
 Description: HLBPH 6 INCH 6 CCT FIXTURE@4000K

Spectral Parameters

CCT (K): 4221
 CIE u' : 0.2225
 CIE v' : 0.4954
 Duv: -0.0018
 CIE x: 0.3702
 CIE y: 0.3664
 CIE z: 0.2634
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 579
 Purity: 21.0331
 R_f: 91.2
 R_g: 100.9

CRI (Ra): 97.0
 R1: 98.6
 R2: 98.1
 R3: 92.5
 R4: 98.4
 R5: 97.4
 R6: 94.4
 R7: 98.3
 R8: 98.0
 R9: 92.5
 R10: 91.8
 R11: 95.8
 R12: 71.3
 R13: 99.8
 R14: 94.5
 R15: 97.3



Test Conditions

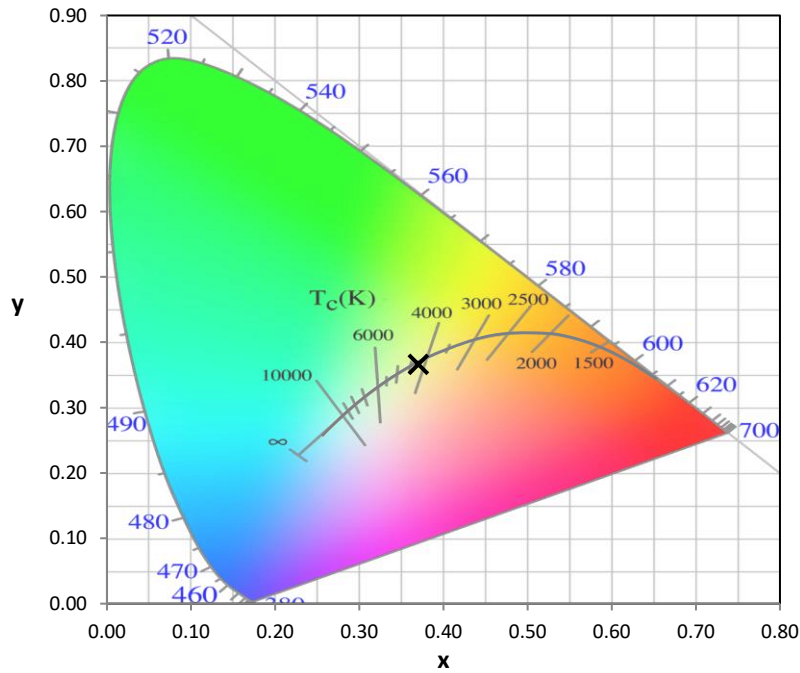
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 24.4

REPORT NUMBER: SP1-2501-315-10

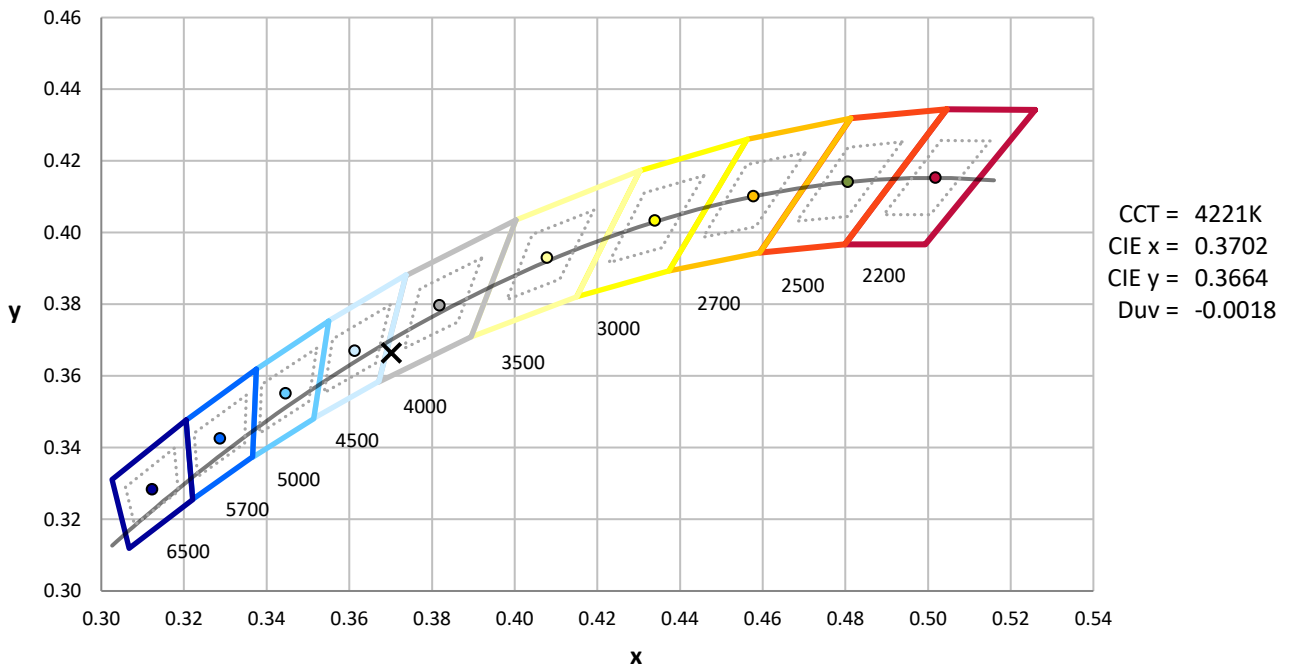
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



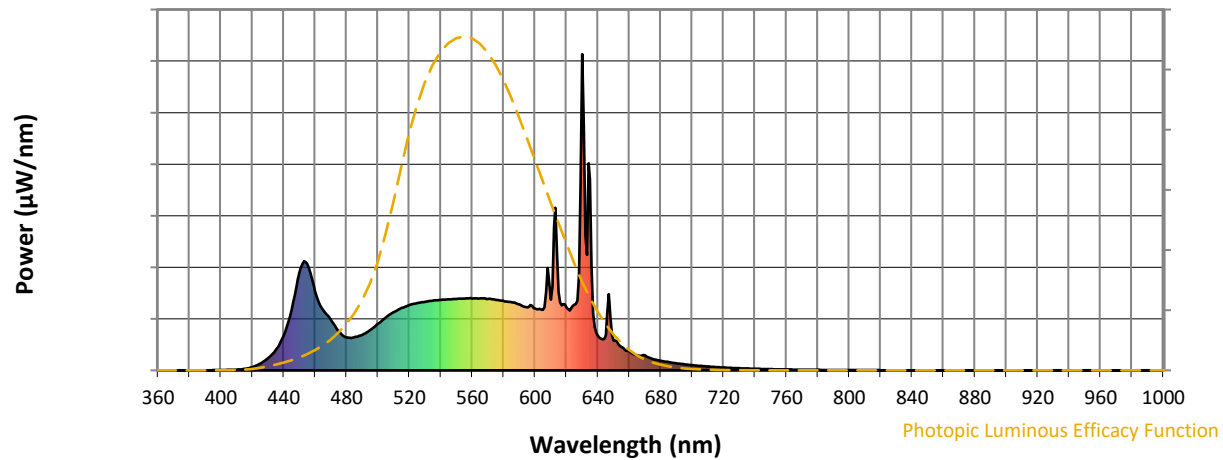
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 7-step quadrangle

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Photopic Flux vs. Wavelength

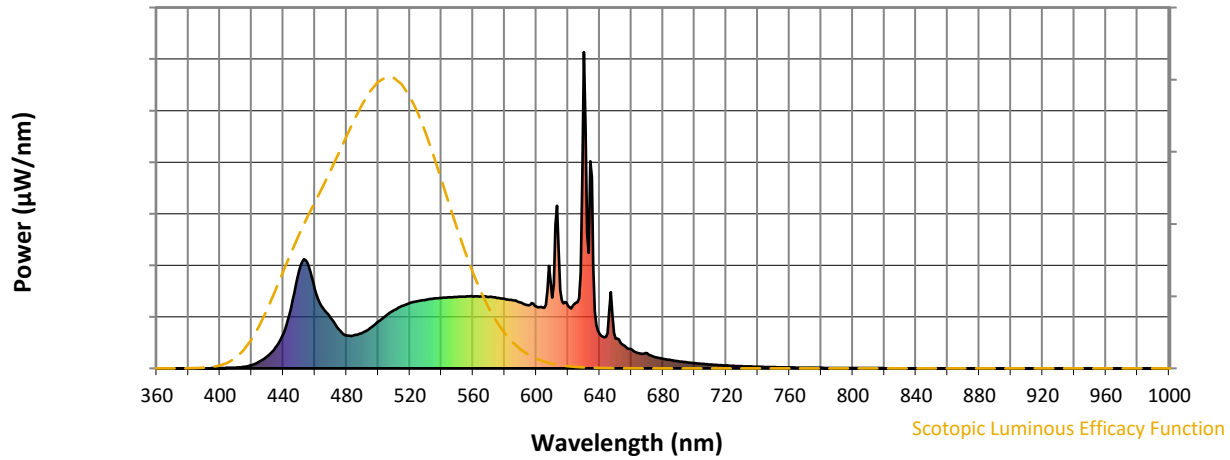


Photopic Lumens: NR

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	112	NR	620	199	NR	750	4	NR	880	0	NR
365	0	NR	495	127	NR	625	207	NR	755	3	NR	885	0	NR
370	0	NR	500	147	NR	630	1000	NR	760	3	NR	890	0	NR
375	0	NR	505	168	NR	635	605	NR	765	2	NR	895	0	NR
380	0	NR	510	184	NR	640	110	NR	770	2	NR	900	0	NR
385	0	NR	515	197	NR	645	112	NR	775	2	NR	905	0	NR
390	0	NR	520	207	NR	650	95	NR	780	2	NR	910	0	NR
395	1	NR	525	213	NR	655	74	NR	785	1	NR	915	0	NR
400	1	NR	530	217	NR	660	60	NR	790	1	NR	920	0	NR
405	2	NR	535	220	NR	665	48	NR	795	1	NR	925	0	NR
410	3	NR	540	223	NR	670	48	NR	800	1	NR	930	0	NR
415	5	NR	545	225	NR	675	36	NR	805	1	NR	935	0	NR
420	10	NR	550	226	NR	680	30	NR	810	1	NR	940	0	NR
425	21	NR	555	227	NR	685	26	NR	815	1	NR	945	0	NR
430	38	NR	560	227	NR	690	22	NR	820	1	NR	950	0	NR
435	65	NR	565	227	NR	695	19	NR	825	1	NR	955	0	NR
440	110	NR	570	226	NR	700	16	NR	830	0	NR	960	0	NR
445	192	NR	575	223	NR	705	14	NR	835	0	NR	965	0	NR
450	309	NR	580	219	NR	710	12	NR	840	0	NR	970	0	NR
455	336	NR	585	216	NR	715	11	NR	845	0	NR	975	0	NR
460	251	NR	590	208	NR	720	9	NR	850	0	NR	980	0	NR
465	191	NR	595	199	NR	725	8	NR	855	0	NR	985	0	NR
470	159	NR	600	195	NR	730	7	NR	860	0	NR	990	0	NR
475	124	NR	605	192	NR	735	6	NR	865	0	NR	995	0	NR
480	105	NR	610	223	NR	740	5	NR	870	0	NR	1000	0	NR
485	105	NR	615	248	NR	745	4	NR	875	0	NR			

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Scotopic Flux vs. Wavelength



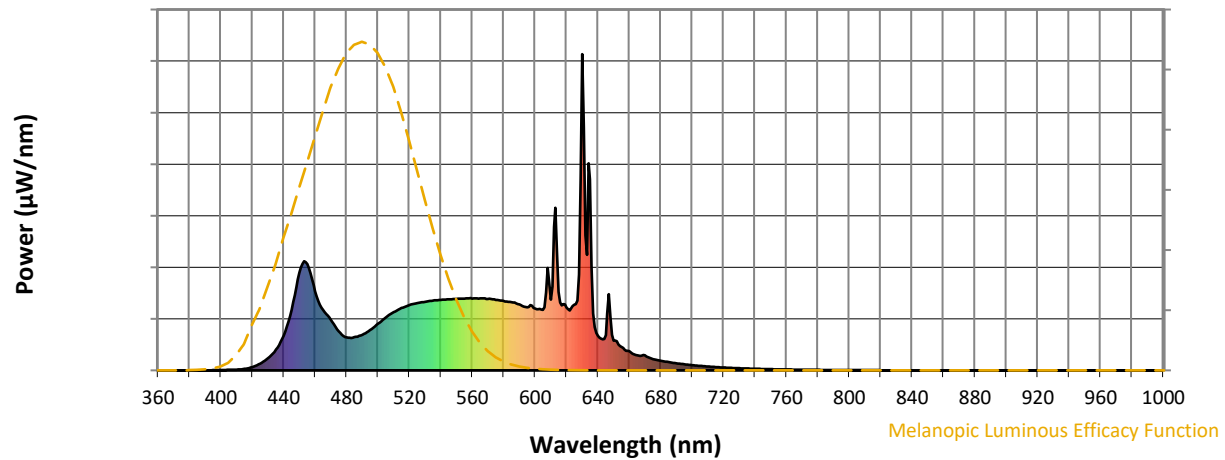
Scotopic Lumens: NR

S/P: 1.88

λ (nm)	Power W ^λ /nm	Lumens (Φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (Φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (Φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (Φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (Φ/nm)
360	0	NR	490	112	NR	620	199	NR	750	4	NR	880	0	NR
365	0	NR	495	127	NR	625	207	NR	755	3	NR	885	0	NR
370	0	NR	500	147	NR	630	1000	NR	760	3	NR	890	0	NR
375	0	NR	505	168	NR	635	605	NR	765	2	NR	895	0	NR
380	0	NR	510	184	NR	640	110	NR	770	2	NR	900	0	NR
385	0	NR	515	197	NR	645	112	NR	775	2	NR	905	0	NR
390	0	NR	520	207	NR	650	95	NR	780	2	NR	910	0	NR
395	1	NR	525	213	NR	655	74	NR	785	1	NR	915	0	NR
400	1	NR	530	217	NR	660	60	NR	790	1	NR	920	0	NR
405	2	NR	535	220	NR	665	48	NR	795	1	NR	925	0	NR
410	3	NR	540	223	NR	670	48	NR	800	1	NR	930	0	NR
415	5	NR	545	225	NR	675	36	NR	805	1	NR	935	0	NR
420	10	NR	550	226	NR	680	30	NR	810	1	NR	940	0	NR
425	21	NR	555	227	NR	685	26	NR	815	1	NR	945	0	NR
430	38	NR	560	227	NR	690	22	NR	820	1	NR	950	0	NR
435	65	NR	565	227	NR	695	19	NR	825	1	NR	955	0	NR
440	110	NR	570	226	NR	700	16	NR	830	0	NR	960	0	NR
445	192	NR	575	223	NR	705	14	NR	835	0	NR	965	0	NR
450	309	NR	580	219	NR	710	12	NR	840	0	NR	970	0	NR
455	336	NR	585	216	NR	715	11	NR	845	0	NR	975	0	NR
460	251	NR	590	208	NR	720	9	NR	850	0	NR	980	0	NR
465	191	NR	595	199	NR	725	8	NR	855	0	NR	985	0	NR
470	159	NR	600	195	NR	730	7	NR	860	0	NR	990	0	NR
475	124	NR	605	192	NR	735	6	NR	865	0	NR	995	0	NR
480	105	NR	610	223	NR	740	5	NR	870	0	NR	1000	0	NR
485	105	NR	615	248	NR	745	4	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.97

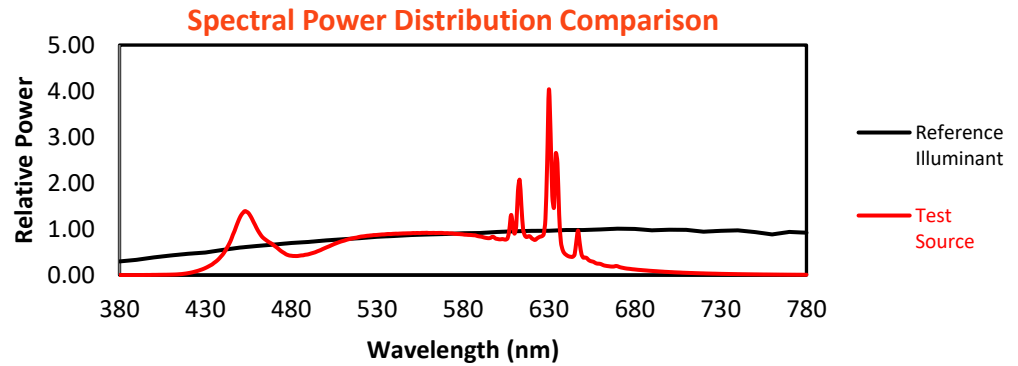
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	112	NR	620	199	NR	750	4	NR	880	0	NR
365	0	NR	495	127	NR	625	207	NR	755	3	NR	885	0	NR
370	0	NR	500	147	NR	630	1000	NR	760	3	NR	890	0	NR
375	0	NR	505	168	NR	635	605	NR	765	2	NR	895	0	NR
380	0	NR	510	184	NR	640	110	NR	770	2	NR	900	0	NR
385	0	NR	515	197	NR	645	112	NR	775	2	NR	905	0	NR
390	0	NR	520	207	NR	650	95	NR	780	2	NR	910	0	NR
395	1	NR	525	213	NR	655	74	NR	785	1	NR	915	0	NR
400	1	NR	530	217	NR	660	60	NR	790	1	NR	920	0	NR
405	2	NR	535	220	NR	665	48	NR	795	1	NR	925	0	NR
410	3	NR	540	223	NR	670	48	NR	800	1	NR	930	0	NR
415	5	NR	545	225	NR	675	36	NR	805	1	NR	935	0	NR
420	10	NR	550	226	NR	680	30	NR	810	1	NR	940	0	NR
425	21	NR	555	227	NR	685	26	NR	815	1	NR	945	0	NR
430	38	NR	560	227	NR	690	22	NR	820	1	NR	950	0	NR
435	65	NR	565	227	NR	695	19	NR	825	1	NR	955	0	NR
440	110	NR	570	226	NR	700	16	NR	830	0	NR	960	0	NR
445	192	NR	575	223	NR	705	14	NR	835	0	NR	965	0	NR
450	309	NR	580	219	NR	710	12	NR	840	0	NR	970	0	NR
455	336	NR	585	216	NR	715	11	NR	845	0	NR	975	0	NR
460	251	NR	590	208	NR	720	9	NR	850	0	NR	980	0	NR
465	191	NR	595	199	NR	725	8	NR	855	0	NR	985	0	NR
470	159	NR	600	195	NR	730	7	NR	860	0	NR	990	0	NR
475	124	NR	605	192	NR	735	6	NR	865	0	NR	995	0	NR
480	105	NR	610	223	NR	740	5	NR	870	0	NR	1000	0	NR
485	105	NR	615	248	NR	745	4	NR	875	0	NR			

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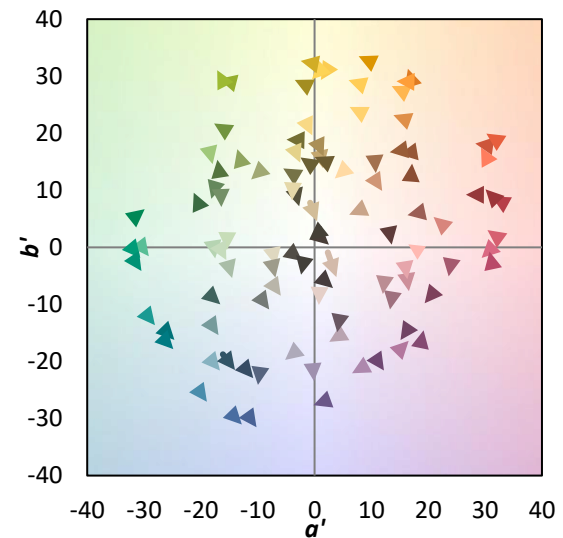
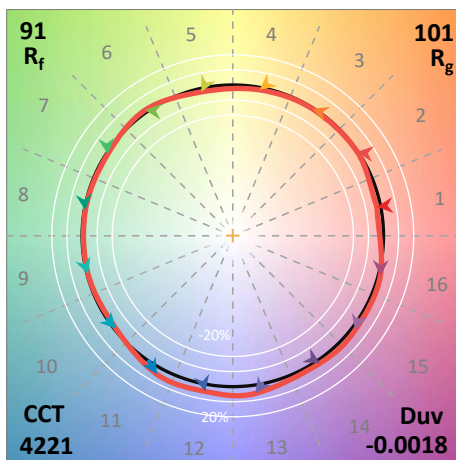
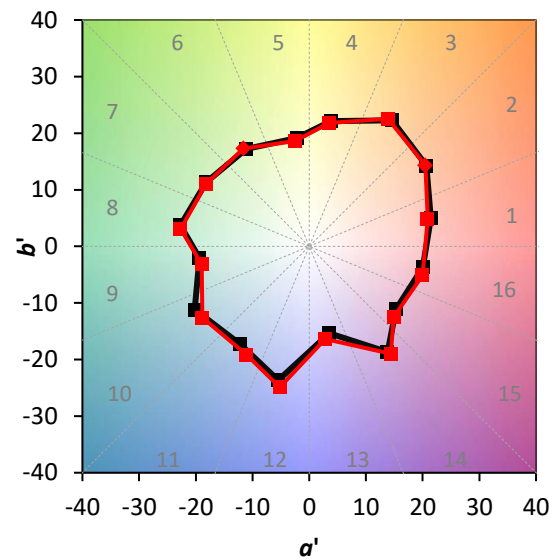
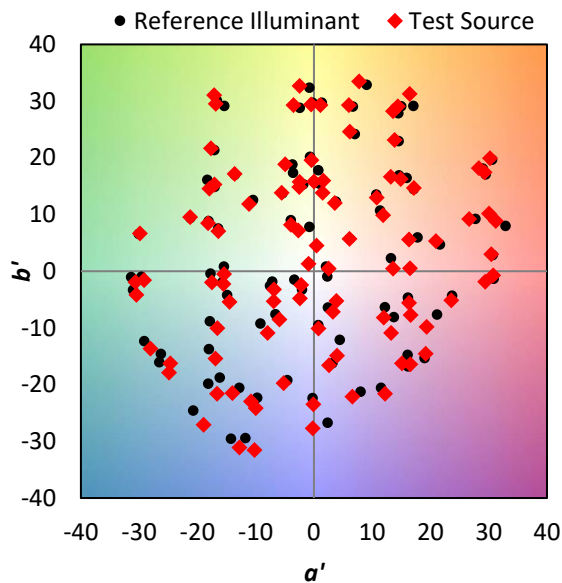
TM-30-18

Summary

$R_f = 91.2$
 $R_g = 100.9$
 $CIE R_a = 97.0$
 $R_9 = 92.5$

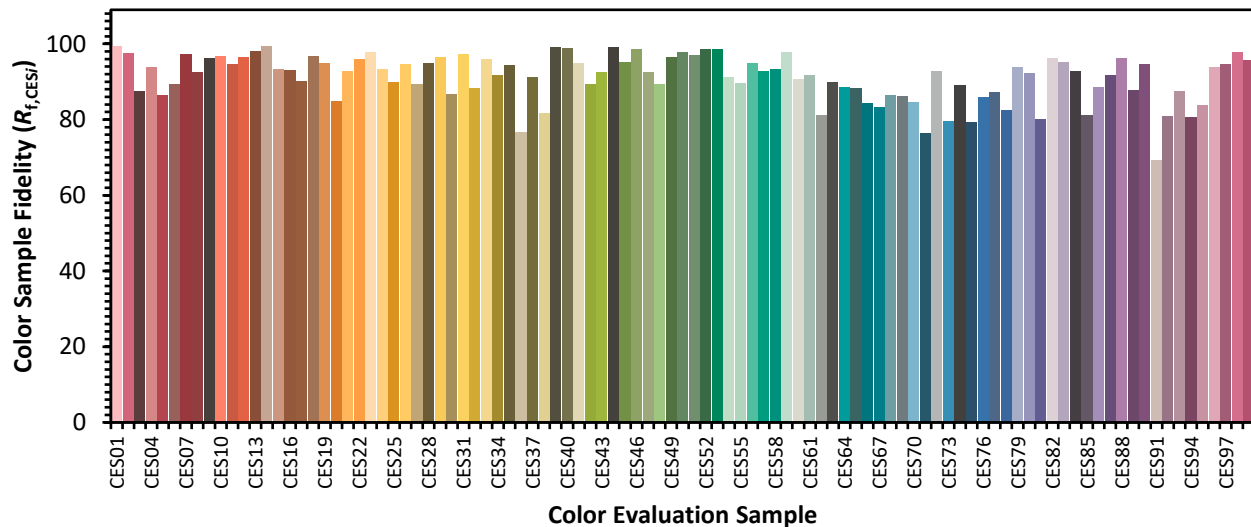


Color Vector Graphics

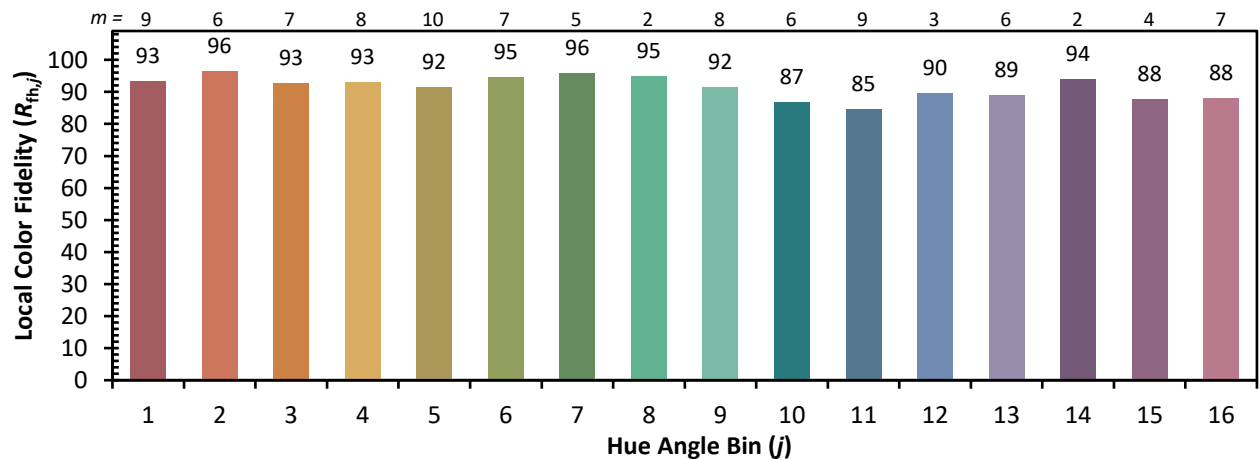
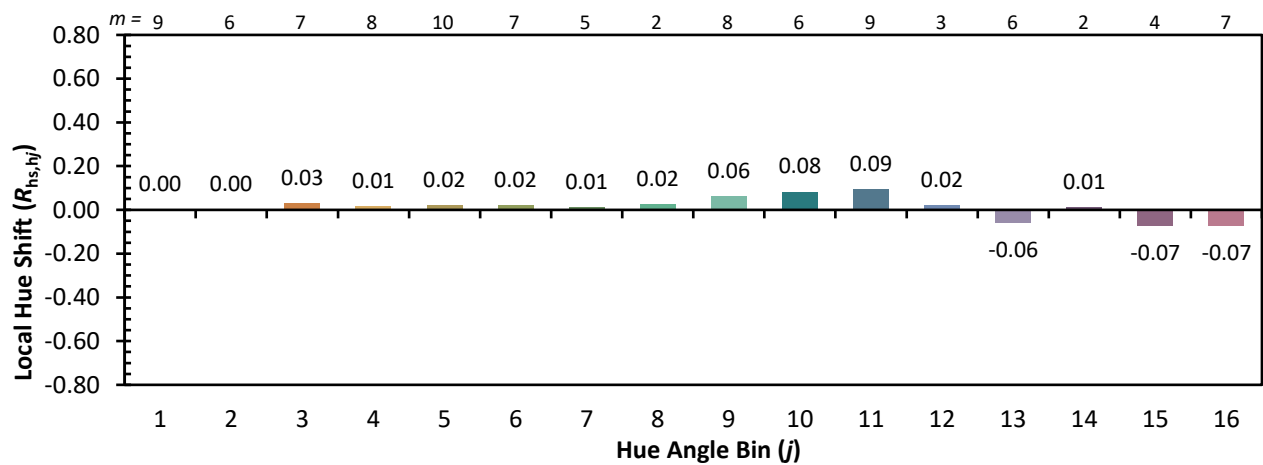
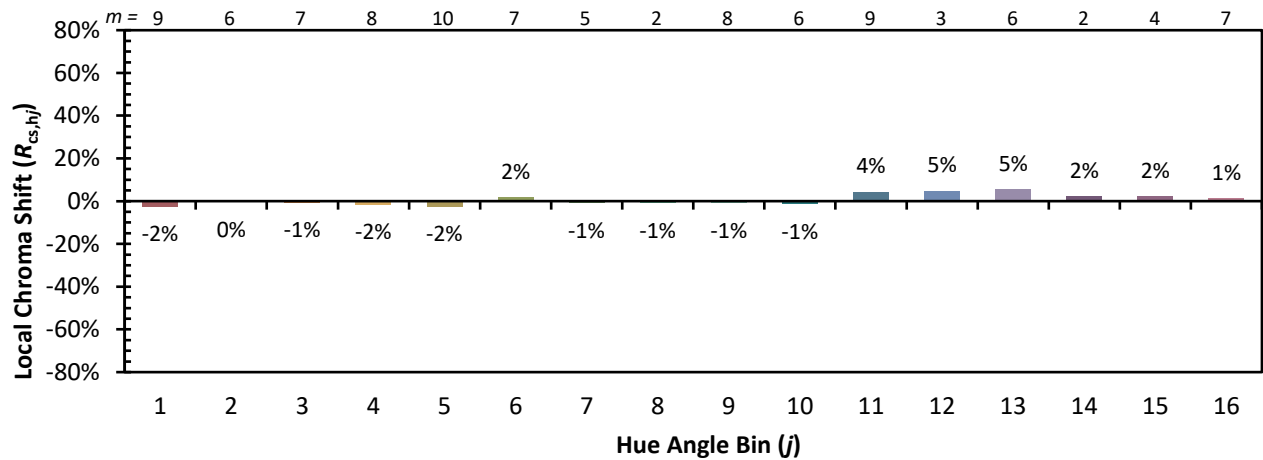


Individual Sample Fidelity Index ($R_{f,i}$)

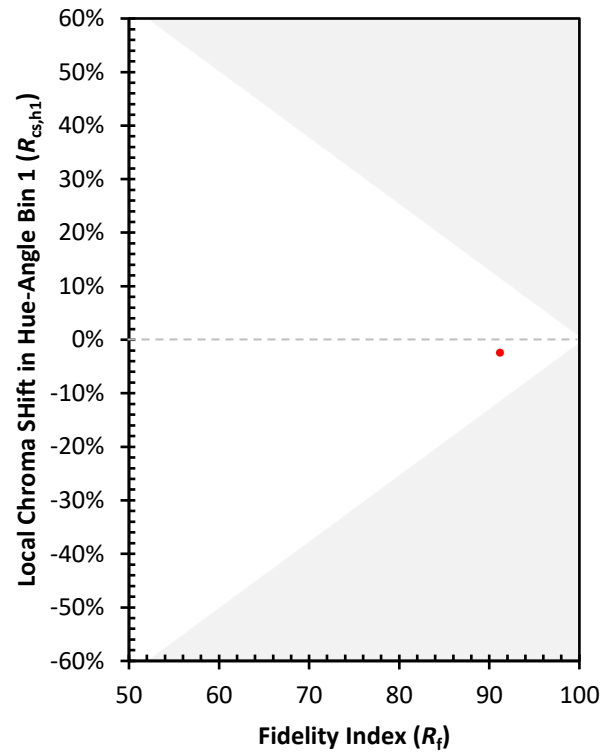
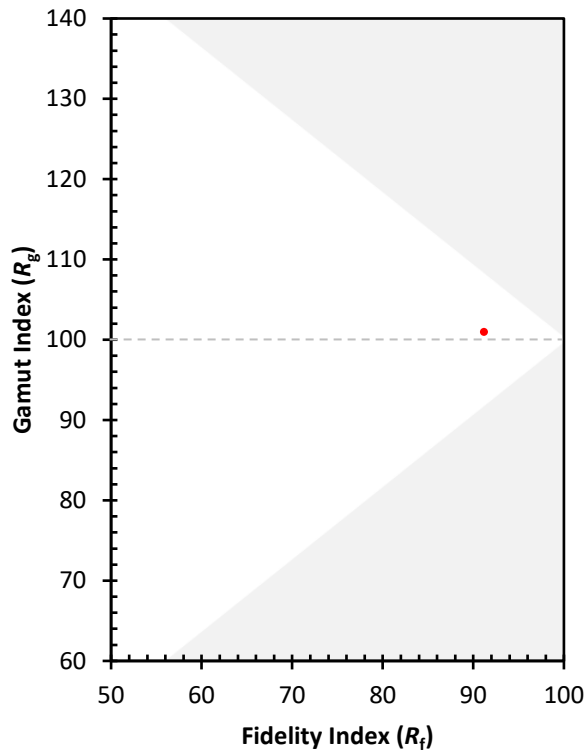
CES01 = 85	CES26 = 95	CES51 = 97	CES76 = 86
CES02 = 62	CES27 = 89	CES52 = 99	CES77 = 87
CES03 = 31	CES28 = 95	CES53 = 98	CES78 = 83
CES04 = 69	CES29 = 97	CES54 = 91	CES79 = 94
CES05 = 49	CES30 = 87	CES55 = 90	CES80 = 92
CES06 = 50	CES31 = 97	CES56 = 95	CES81 = 80
CES07 = 42	CES32 = 88	CES57 = 93	CES82 = 96
CES08 = 41	CES33 = 96	CES58 = 93	CES83 = 95
CES09 = 29	CES34 = 92	CES59 = 98	CES84 = 93
CES10 = 74	CES35 = 94	CES60 = 91	CES85 = 81
CES11 = 56	CES36 = 77	CES61 = 92	CES86 = 88
CES12 = 63	CES37 = 91	CES62 = 81	CES87 = 92
CES13 = 43	CES38 = 82	CES63 = 90	CES88 = 96
CES14 = 74	CES39 = 99	CES64 = 89	CES89 = 88
CES15 = 71	CES40 = 99	CES65 = 88	CES90 = 95
CES16 = 47	CES41 = 95	CES66 = 84	CES91 = 69
CES17 = 49	CES42 = 89	CES67 = 83	CES92 = 81
CES18 = 56	CES43 = 93	CES68 = 87	CES93 = 87
CES19 = 71	CES44 = 99	CES69 = 86	CES94 = 81
CES20 = 66	CES45 = 95	CES70 = 85	CES95 = 84
CES21 = 85	CES46 = 99	CES71 = 76	CES96 = 94
CES22 = 77	CES47 = 93	CES72 = 93	CES97 = 95
CES23 = 91	CES48 = 89	CES73 = 79	CES98 = 98
CES24 = 90	CES49 = 97	CES74 = 89	CES99 = 96
CES25 = 71	CES50 = 98	CES75 = 79	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)