

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: P926862

Luminaire Tested: **HLBPH406FS6-930**

Issue Date: 12/11/2024



Test Information

Test Method: LM-79-08
Report Number: P926862
Test Lab: LEADING TESTING LABORATORIES
Issue Date: 12/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: HLBPH406FS6-930
Description: HALO HLBPH SLIM EDGE 4 inch 90 CRI COLOR SELECTABLE FIXTURE
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

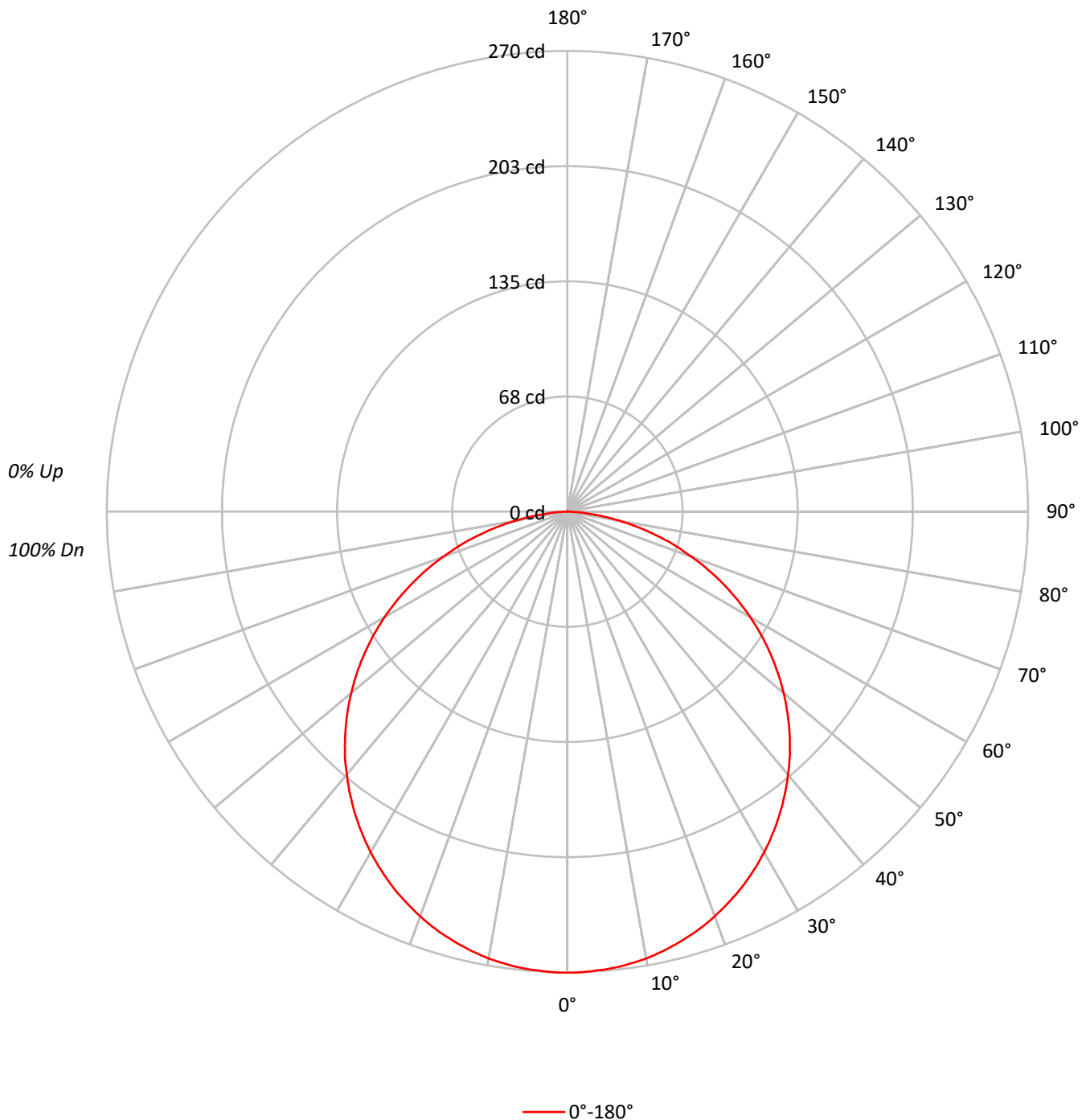
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 790.2 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.39
Luminous Opening: Circular (Dia: 0.3' x H: 0')
CIE Type: Direct

Input Watts (W): 8.6
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	99	96	106	101	98	94	97	94	91		93	91	88		90
2	99	90	83	77	96	88	82	77	85	79	75		81	77	73		78
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		61
5	75	62	53	47	73	61	53	46	59	52	46		57	50	45		55
6	70	56	47	41	68	55	47	40	53	46	40		52	45	40		50
7	64	51	42	36	63	50	42	36	48	41	35		47	40	35		46
8	60	46	38	32	58	46	37	32	44	37	32		43	36	31		42
9	56	42	34	29	55	42	34	29	41	33	28		40	33	28		39
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	41161
5°	41135
10°	41115
15°	41021
20°	40902
25°	40745
30°	40548
35°	40303
40°	39996
45°	39647
50°	39207
55°	38576
60°	37735
65°	36464
70°	34550
75°	32066
80°	27360
85°	19743



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.6	3.2
10°-20°	73.5	9.3
20°-30°	111.8	14.1
30°-40°	135.6	17.2
40°-50°	142.0	18.0
50°-60°	129.8	16.4
60°-70°	100.0	12.7
70°-80°	57.4	7.3
80°-90°	14.0	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.1	0.0
120°-130°	0.1	0.0
130°-140°	0.1	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°	210.8	26.7
0°-40°	346.4	43.8
0°-60°	618.3	78.2
0°-90°	789.6	99.9
90°-120°	0.1	0.0
90°-150°	0.4	0.1
90°-180°	1.0	0.1
0°-180°	790.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	270	
5°	269	26
15°	260	73
25°	242	112
35°	217	136
45°	184	142
55°	145	130
65°	101	100
75°	54	57
85°	11	13
90°	0	1
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	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	270.3
0.5°	270.2
1°	270.2
1.5°	270.1
2°	270.0
2.5°	269.9
3°	269.8
3.5°	269.5
4°	269.4
4.5°	269.3
5°	269.1
5.5°	268.9
6°	268.7
6.5°	268.5
7°	268.1
7.5°	267.8
8°	267.4
8.5°	267.1
9°	266.7
9.5°	266.3
10°	265.9
10.5°	265.5
11°	264.9
11.5°	264.4
12°	263.9
12.5°	263.3
13°	262.7
13.5°	262.1
14°	261.5
14.5°	260.8
15°	260.2
15.5°	259.5
16°	258.8
16.5°	258.1
17°	257.4
17.5°	256.6
18°	255.8
18.5°	255.0
19°	254.2
19.5°	253.3
20°	252.4
20.5°	251.5
21°	250.5
21.5°	249.6
22°	248.6



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CANDELA DISTRIBUTION (continued):

0°	
22.5°	247.6
23°	246.6
23.5°	245.7
24°	244.7
24.5°	243.6
25°	242.5
25.5°	241.4
26°	240.3
26.5°	239.1
27°	237.9
27.5°	236.7
28°	235.6
28.5°	234.3
29°	233.1
29.5°	231.8
30°	230.6
30.5°	229.3
31°	228.0
31.5°	226.7
32°	225.3
32.5°	223.9
33°	222.5
33.5°	221.1
34°	219.7
34.5°	218.2
35°	216.8
35.5°	215.3
36°	213.8
36.5°	212.3
37°	210.7
37.5°	209.2
38°	207.7
38.5°	206.1
39°	204.5
39.5°	202.9
40°	201.2
40.5°	199.6
41°	198.0
41.5°	196.4
42°	194.7
42.5°	193.1
43°	191.2
43.5°	189.5
44°	187.7
44.5°	186.0



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CANDELA DISTRIBUTION (continued):

	0°
45°	184.1
45.5°	182.4
46°	180.6
46.5°	178.7
47°	176.9
47.5°	175.0
48°	173.1
48.5°	171.3
49°	169.4
49.5°	167.5
50°	165.5
50.5°	163.5
51°	161.6
51.5°	159.6
52°	157.6
52.5°	155.6
53°	153.5
53.5°	151.5
54°	149.5
54.5°	147.4
55°	145.3
55.5°	143.2
56°	141.1
56.5°	139.0
57°	136.9
57.5°	134.8
58°	132.6
58.5°	130.4
59°	128.2
59.5°	126.0
60°	123.9
60.5°	121.7
61°	119.4
61.5°	117.1
62°	114.9
62.5°	112.6
63°	110.4
63.5°	108.0
64°	105.8
64.5°	103.5
65°	101.2
65.5°	98.9
66°	96.6
66.5°	94.2
67°	91.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	89.6
68°	87.2
68.5°	84.8
69°	82.4
69.5°	80.0
70°	77.6
70.5°	75.2
71°	72.9
71.5°	70.7
72°	68.4
72.5°	66.2
73°	63.9
73.5°	61.7
74°	59.3
74.5°	56.9
75°	54.5
75.5°	52.1
76°	49.7
76.5°	47.3
77°	44.9
77.5°	42.6
78°	40.3
78.5°	38.0
79°	35.7
79.5°	33.4
80°	31.2
80.5°	29.0
81°	26.8
81.5°	24.7
82°	22.7
82.5°	20.6
83°	18.5
83.5°	16.7
84°	14.9
84.5°	13.1
85°	11.3
85.5°	9.7
86°	8.2
86.5°	7.0
87°	5.8
87.5°	4.6
88°	3.4
88.5°	2.2
89°	1.4
89.5°	0.7



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CANDELA DISTRIBUTION (continued):

	0°
90°	0.2
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°	0.0
104.5°	0.0
105°	0.0
105.5°	0.0
106°	0.0
106.5°	0.0
107°	0.0
107.5°	0.0
108°	0.0
108.5°	0.0
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°	0.1
131°	0.1
131.5°	0.1
132°	0.1
132.5°	0.1
133°	0.1
133.5°	0.1
134°	0.1
134.5°	0.1



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CANDELA DISTRIBUTION (continued):

	0°
135°	0.1
135.5°	0.1
136°	0.1
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°	0.2
165°	0.2
165.5°	0.2
166°	0.2
166.5°	0.2
167°	0.2
167.5°	0.2
168°	0.2
168.5°	0.2
169°	0.2
169.5°	0.2
170°	0.2
170.5°	0.2
171°	0.2
171.5°	0.2
172°	0.2
172.5°	0.2
173°	0.2
173.5°	0.2
174°	0.2
174.5°	0.2
175°	0.2
175.5°	0.2
176°	0.2
176.5°	0.2
177°	0.2
177.5°	0.2
178°	0.2
178.5°	0.2
179°	0.2
179.5°	0.2

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Peachtree City, GA 30269

Scaled Data Report



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CANDELA DISTRIBUTION (continued):

180° | $\overbrace{\hspace{1.5cm}}^{0^\circ}$
0.2

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

Report Prepared for

Cooper Lighting Solutions

Halo Home

Report Number: SP1-2501-315-2

Test Date: 01/13/2025

Luminaire Tested: HLBPH406FS6-3000K

Data in this report applies to families of products including HLBPH406FS6-3000K

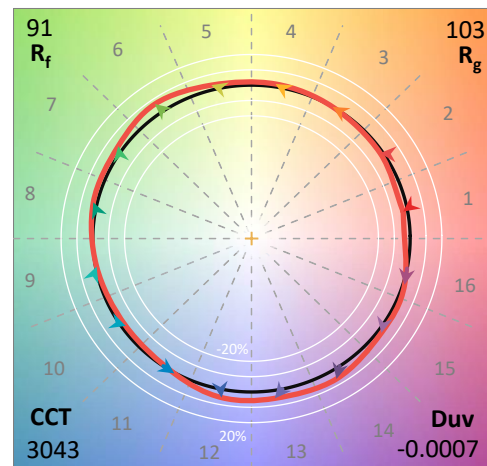
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2501-315-2
 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: **HLBPH406FS6-3000K**
 Description: HLBPH 4 INCH 6 CCT FIXTURE@3000K

Spectral Parameters

CCT (K): 3043
 CIE u' : 0.2493
 CIE v' : 0.5195
 Duv: -0.0007
 CIE x: 0.4329
 CIE y: 0.4009
 CIE z: 0.1662
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 582
 Purity: 50.26902
 R_f: 91.2
 R_g: 103.4

CRI (Ra): 95.2
 R1: 99.5
 R2: 96.1
 R3: 89.7
 R4: 94.7
 R5: 97.2
 R6: 95.4
 R7: 95.6
 R8: 93.5
 R9: 79.9
 R10: 87.0
 R11: 93.6
 R12: 80.3
 R13: 98.2
 R14: 92.3
 R15: 97.2



Test Conditions

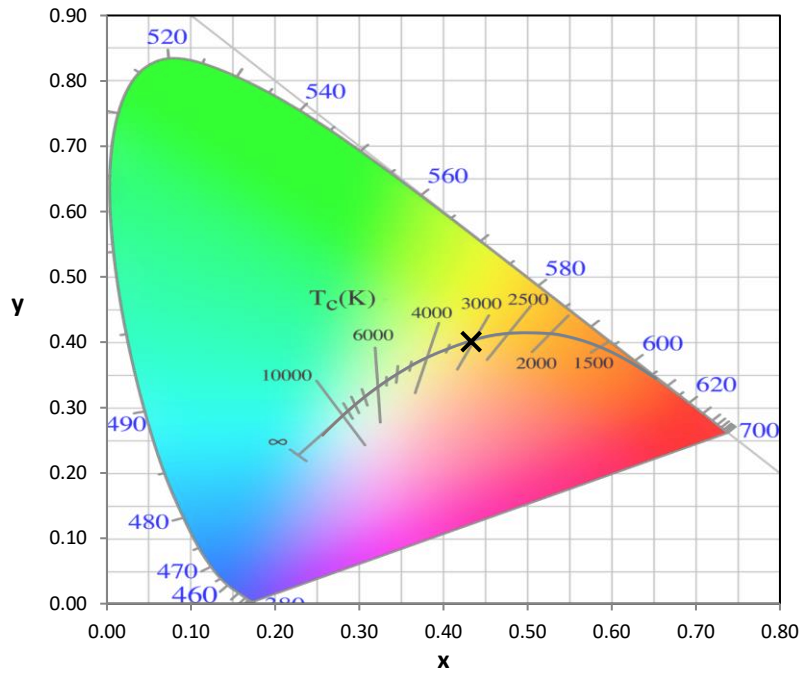
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.4

REPORT NUMBER: SP1-2501-315-2

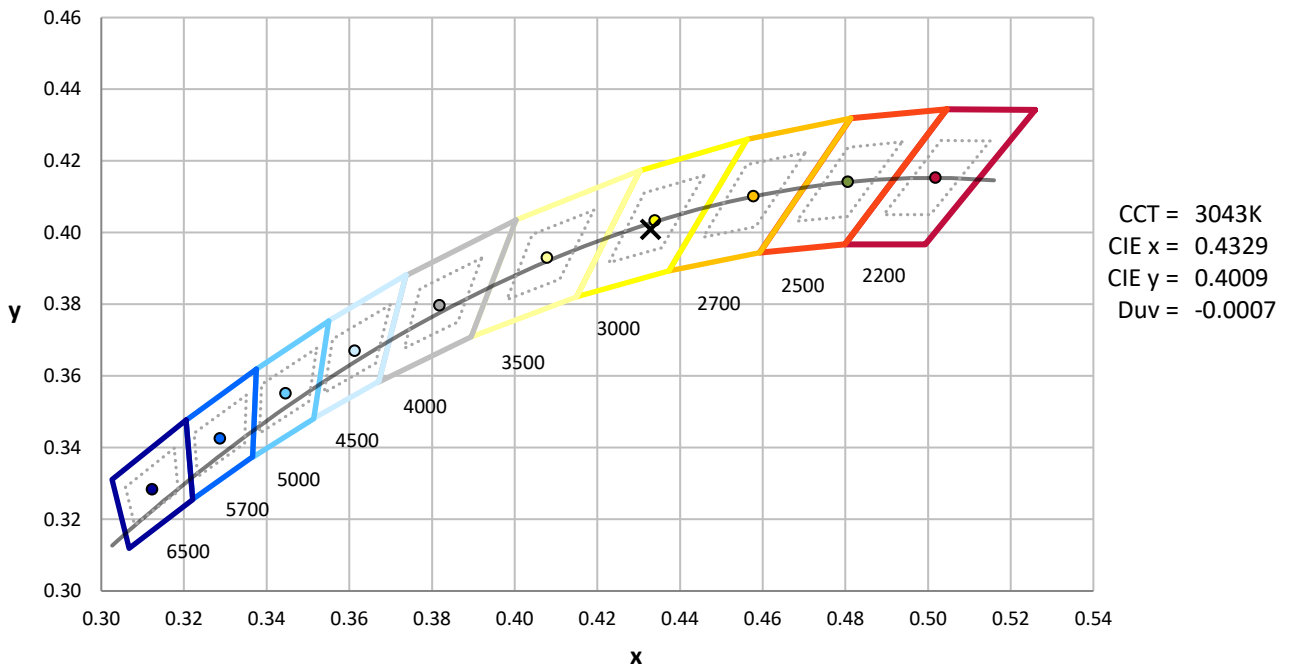
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



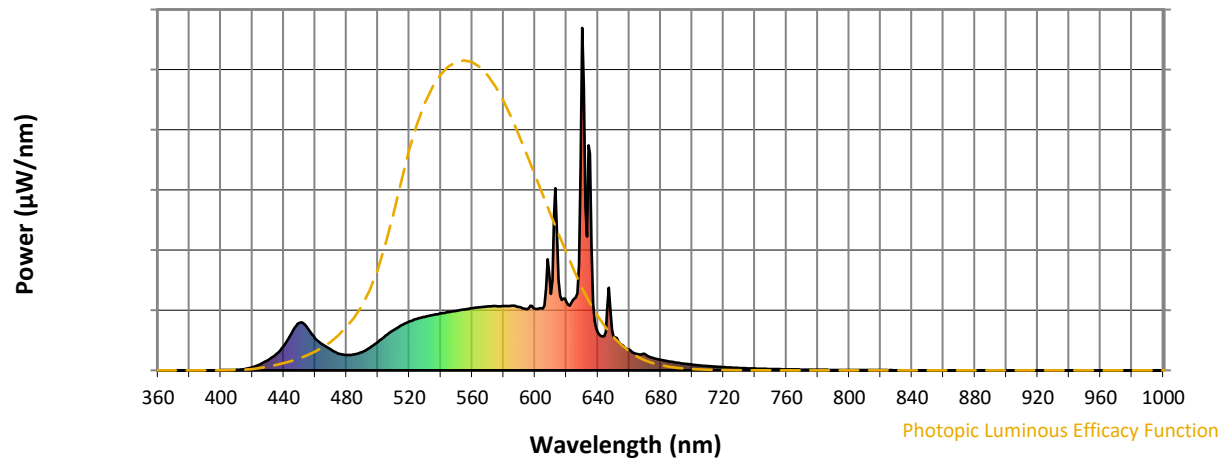
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

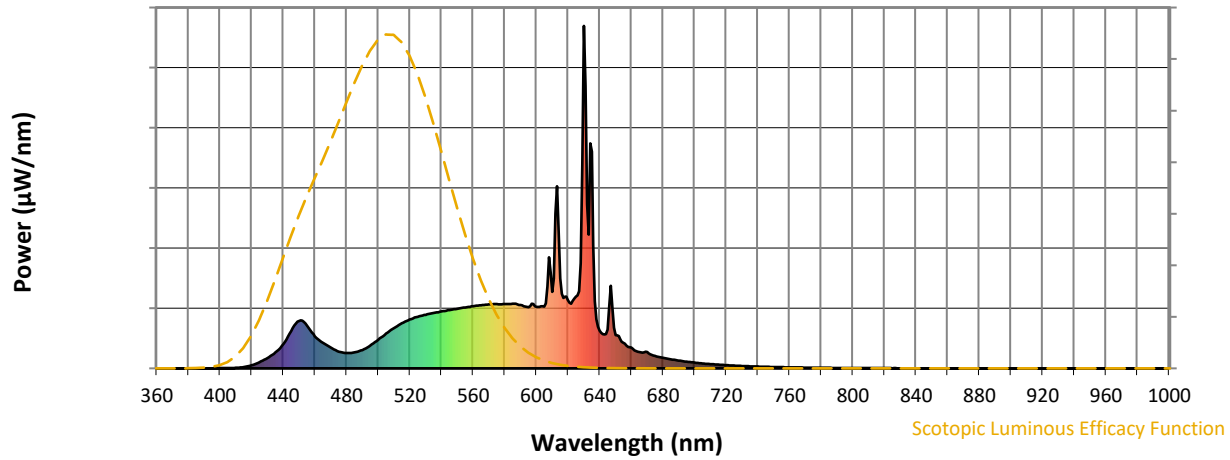


Photopic Lumens: NR

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	54	NR	620	199	NR	750	4	NR	880	0	NR
365	0	NR	495	67	NR	625	210	NR	755	3	NR	885	0	NR
370	0	NR	500	83	NR	630	1000	NR	760	3	NR	890	0	NR
375	0	NR	505	101	NR	635	633	NR	765	3	NR	895	0	NR
380	0	NR	510	117	NR	640	111	NR	770	2	NR	900	0	NR
385	0	NR	515	132	NR	645	113	NR	775	2	NR	905	0	NR
390	0	NR	520	143	NR	650	97	NR	780	2	NR	910	0	NR
395	0	NR	525	151	NR	655	75	NR	785	1	NR	915	0	NR
400	1	NR	530	156	NR	660	61	NR	790	1	NR	920	0	NR
405	1	NR	535	162	NR	665	48	NR	795	1	NR	925	0	NR
410	1	NR	540	166	NR	670	48	NR	800	1	NR	930	0	NR
415	4	NR	545	170	NR	675	36	NR	805	1	NR	935	0	NR
420	9	NR	550	174	NR	680	31	NR	810	1	NR	940	0	NR
425	18	NR	555	178	NR	685	26	NR	815	1	NR	945	0	NR
430	30	NR	560	181	NR	690	23	NR	820	1	NR	950	0	NR
435	46	NR	565	184	NR	695	20	NR	825	0	NR	955	0	NR
440	71	NR	570	187	NR	700	17	NR	830	0	NR	960	0	NR
445	109	NR	575	187	NR	705	14	NR	835	0	NR	965	0	NR
450	139	NR	580	188	NR	710	12	NR	840	0	NR	970	0	NR
455	125	NR	585	188	NR	715	11	NR	845	0	NR	975	0	NR
460	94	NR	590	185	NR	720	9	NR	850	0	NR	980	0	NR
465	75	NR	595	179	NR	725	8	NR	855	0	NR	985	0	NR
470	61	NR	600	180	NR	730	7	NR	860	0	NR	990	0	NR
475	49	NR	605	181	NR	735	6	NR	865	0	NR	995	0	NR
480	45	NR	610	224	NR	740	5	NR	870	0	NR	1000	0	NR
485	47	NR	615	263	NR	745	5	NR	875	0	NR			

REPORT NUMBER: SP1-2501-315-2

Scotopic Flux vs. Wavelength



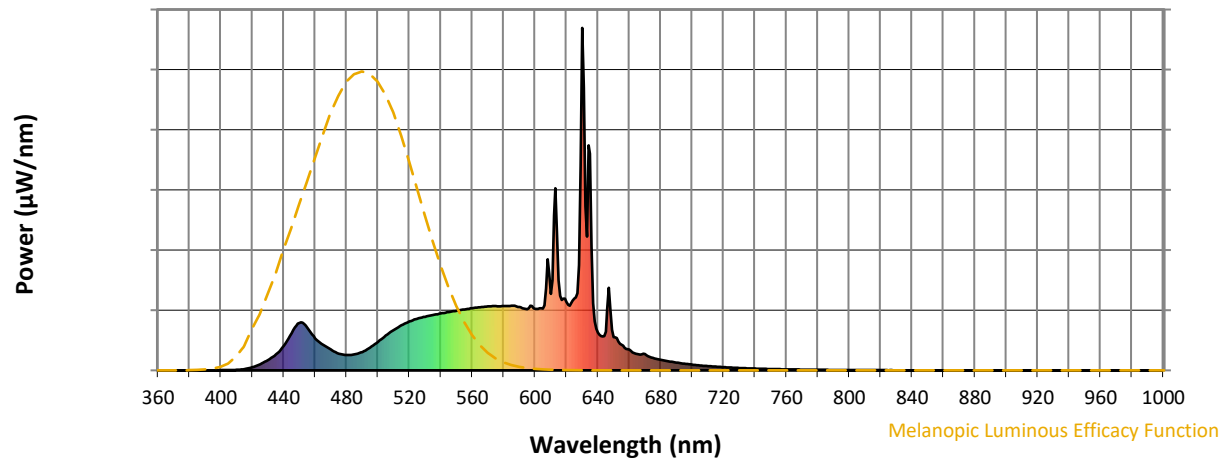
Scotopic Lumens: NR

S/P: 1.42

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	54	NR	620	199	NR	750	4	NR	880	0	NR
365	0	NR	495	67	NR	625	210	NR	755	3	NR	885	0	NR
370	0	NR	500	83	NR	630	1000	NR	760	3	NR	890	0	NR
375	0	NR	505	101	NR	635	633	NR	765	3	NR	895	0	NR
380	0	NR	510	117	NR	640	111	NR	770	2	NR	900	0	NR
385	0	NR	515	132	NR	645	113	NR	775	2	NR	905	0	NR
390	0	NR	520	143	NR	650	97	NR	780	2	NR	910	0	NR
395	0	NR	525	151	NR	655	75	NR	785	1	NR	915	0	NR
400	1	NR	530	156	NR	660	61	NR	790	1	NR	920	0	NR
405	1	NR	535	162	NR	665	48	NR	795	1	NR	925	0	NR
410	1	NR	540	166	NR	670	48	NR	800	1	NR	930	0	NR
415	4	NR	545	170	NR	675	36	NR	805	1	NR	935	0	NR
420	9	NR	550	174	NR	680	31	NR	810	1	NR	940	0	NR
425	18	NR	555	178	NR	685	26	NR	815	1	NR	945	0	NR
430	30	NR	560	181	NR	690	23	NR	820	1	NR	950	0	NR
435	46	NR	565	184	NR	695	20	NR	825	0	NR	955	0	NR
440	71	NR	570	187	NR	700	17	NR	830	0	NR	960	0	NR
445	109	NR	575	187	NR	705	14	NR	835	0	NR	965	0	NR
450	139	NR	580	188	NR	710	12	NR	840	0	NR	970	0	NR
455	125	NR	585	188	NR	715	11	NR	845	0	NR	975	0	NR
460	94	NR	590	185	NR	720	9	NR	850	0	NR	980	0	NR
465	75	NR	595	179	NR	725	8	NR	855	0	NR	985	0	NR
470	61	NR	600	180	NR	730	7	NR	860	0	NR	990	0	NR
475	49	NR	605	181	NR	735	6	NR	865	0	NR	995	0	NR
480	45	NR	610	224	NR	740	5	NR	870	0	NR	1000	0	NR
485	47	NR	615	263	NR	745	5	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.72

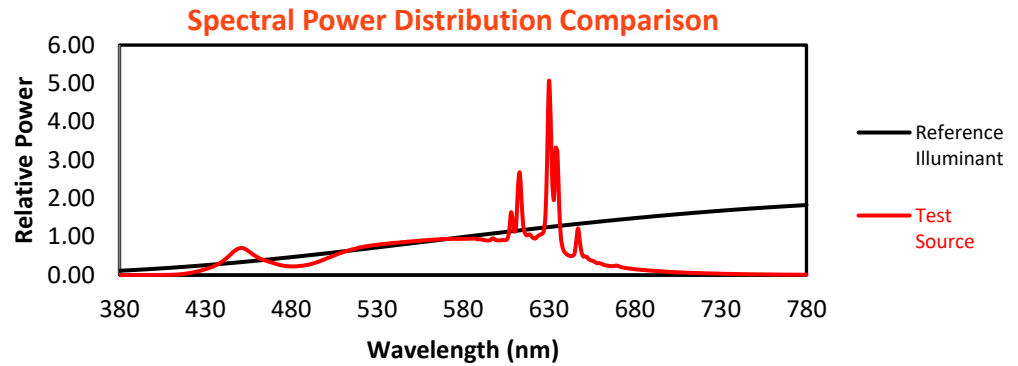
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	54	NR	620	199	NR	750	4	NR	880	0	NR
365	0	NR	495	67	NR	625	210	NR	755	3	NR	885	0	NR
370	0	NR	500	83	NR	630	1000	NR	760	3	NR	890	0	NR
375	0	NR	505	101	NR	635	633	NR	765	3	NR	895	0	NR
380	0	NR	510	117	NR	640	111	NR	770	2	NR	900	0	NR
385	0	NR	515	132	NR	645	113	NR	775	2	NR	905	0	NR
390	0	NR	520	143	NR	650	97	NR	780	2	NR	910	0	NR
395	0	NR	525	151	NR	655	75	NR	785	1	NR	915	0	NR
400	1	NR	530	156	NR	660	61	NR	790	1	NR	920	0	NR
405	1	NR	535	162	NR	665	48	NR	795	1	NR	925	0	NR
410	1	NR	540	166	NR	670	48	NR	800	1	NR	930	0	NR
415	4	NR	545	170	NR	675	36	NR	805	1	NR	935	0	NR
420	9	NR	550	174	NR	680	31	NR	810	1	NR	940	0	NR
425	18	NR	555	178	NR	685	26	NR	815	1	NR	945	0	NR
430	30	NR	560	181	NR	690	23	NR	820	1	NR	950	0	NR
435	46	NR	565	184	NR	695	20	NR	825	0	NR	955	0	NR
440	71	NR	570	187	NR	700	17	NR	830	0	NR	960	0	NR
445	109	NR	575	187	NR	705	14	NR	835	0	NR	965	0	NR
450	139	NR	580	188	NR	710	12	NR	840	0	NR	970	0	NR
455	125	NR	585	188	NR	715	11	NR	845	0	NR	975	0	NR
460	94	NR	590	185	NR	720	9	NR	850	0	NR	980	0	NR
465	75	NR	595	179	NR	725	8	NR	855	0	NR	985	0	NR
470	61	NR	600	180	NR	730	7	NR	860	0	NR	990	0	NR
475	49	NR	605	181	NR	735	6	NR	865	0	NR	995	0	NR
480	45	NR	610	224	NR	740	5	NR	870	0	NR	1000	0	NR
485	47	NR	615	263	NR	745	5	NR	875	0	NR			

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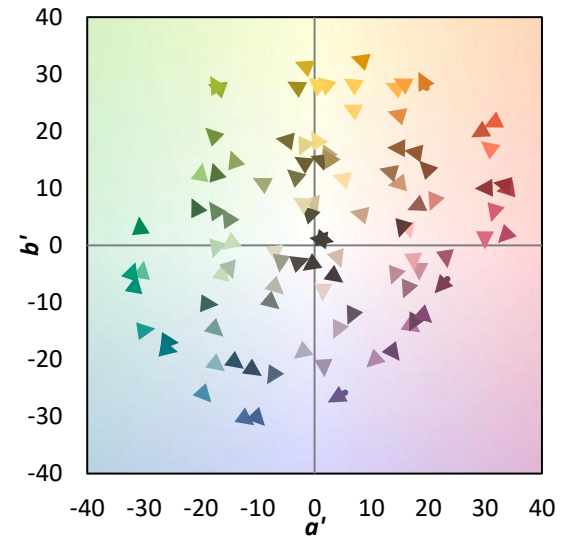
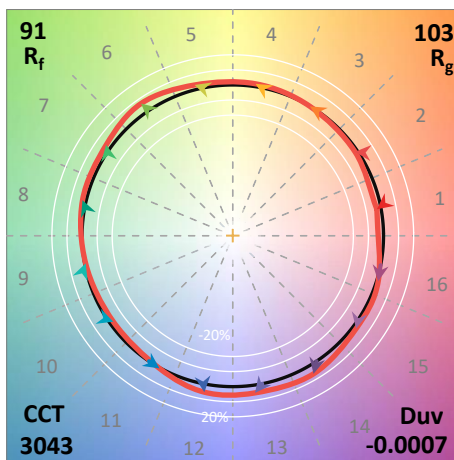
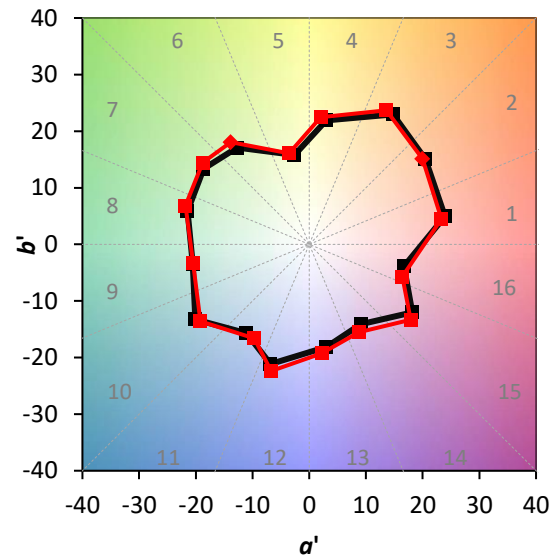
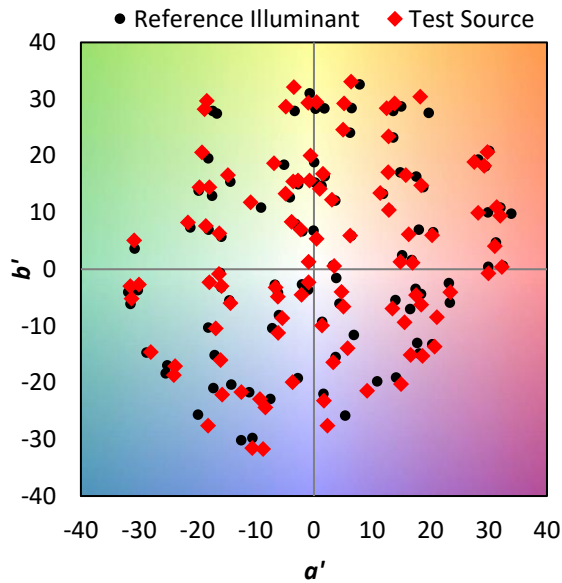
TM-30-18

Summary

$R_f = 91.2$
 $R_g = 103.4$
 $CIE R_a = 95.2$
 $R_9 = 79.9$

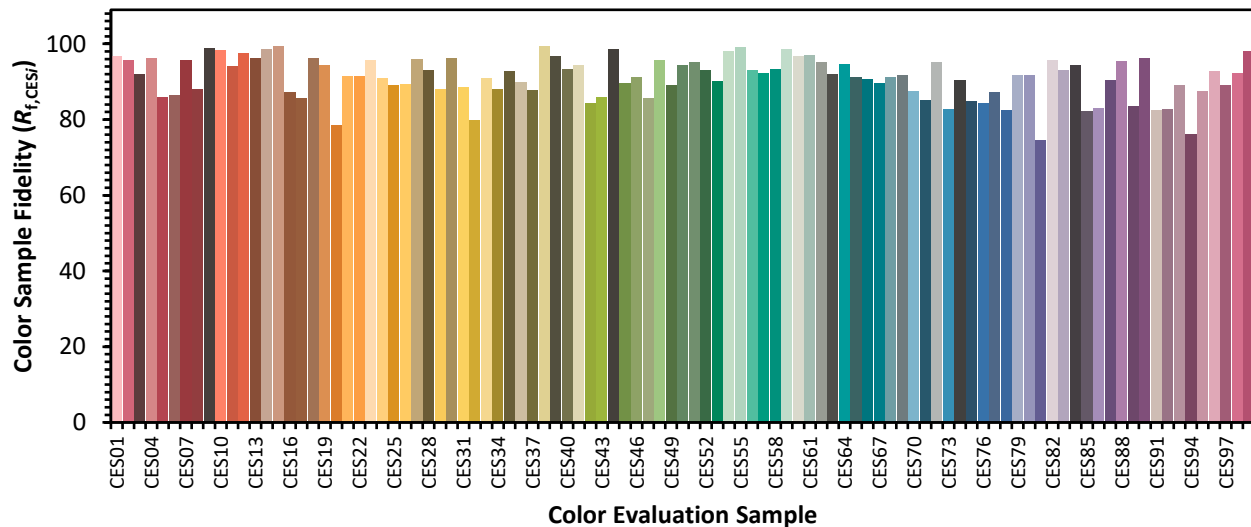


Color Vector Graphics

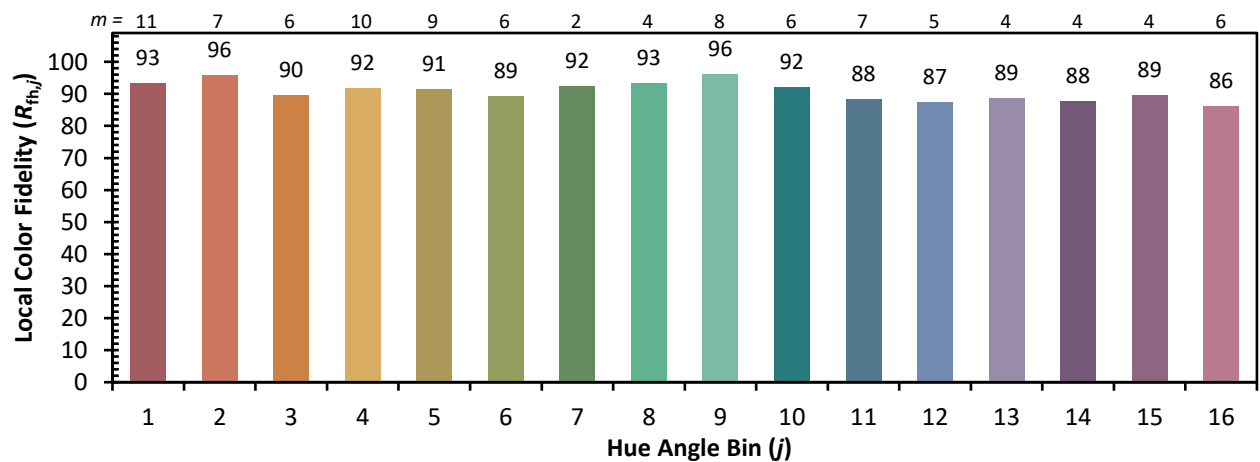
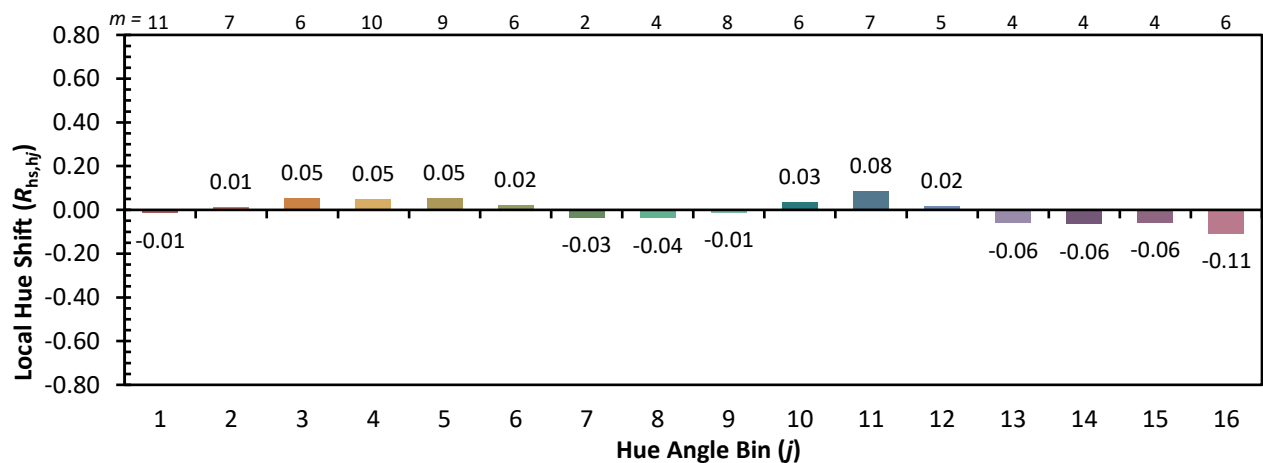
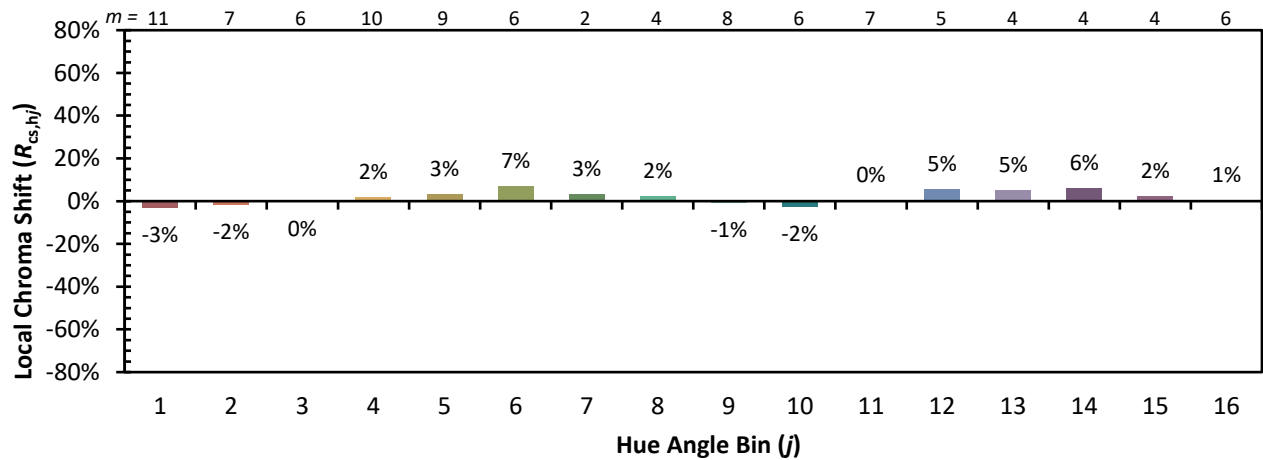


Individual Sample Fidelity Index ($R_{f,i}$)

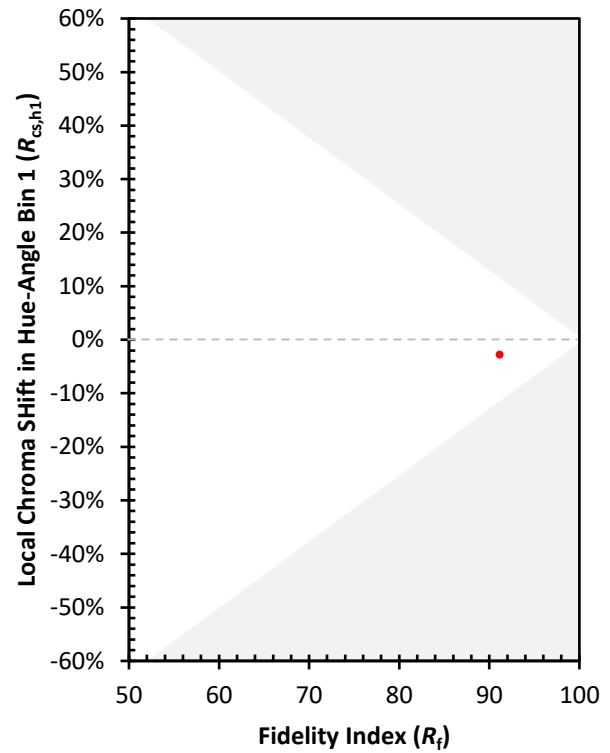
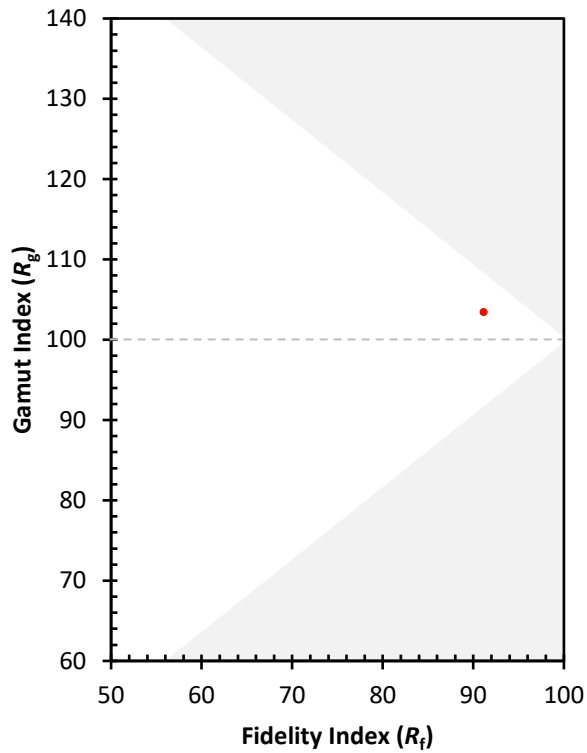
CES01 = 86	CES26 = 89	CES51 = 95	CES76 = 84
CES02 = 63	CES27 = 96	CES52 = 93	CES77 = 87
CES03 = 32	CES28 = 93	CES53 = 90	CES78 = 82
CES04 = 70	CES29 = 88	CES54 = 98	CES79 = 92
CES05 = 51	CES30 = 96	CES55 = 99	CES80 = 92
CES06 = 51	CES31 = 89	CES56 = 93	CES81 = 75
CES07 = 44	CES32 = 80	CES57 = 92	CES82 = 96
CES08 = 42	CES33 = 91	CES58 = 93	CES83 = 93
CES09 = 29	CES34 = 88	CES59 = 99	CES84 = 94
CES10 = 76	CES35 = 93	CES60 = 97	CES85 = 82
CES11 = 58	CES36 = 90	CES61 = 97	CES86 = 83
CES12 = 65	CES37 = 88	CES62 = 95	CES87 = 90
CES13 = 44	CES38 = 100	CES63 = 92	CES88 = 95
CES14 = 74	CES39 = 97	CES64 = 95	CES89 = 84
CES15 = 72	CES40 = 93	CES65 = 91	CES90 = 96
CES16 = 48	CES41 = 94	CES66 = 91	CES91 = 83
CES17 = 49	CES42 = 84	CES67 = 90	CES92 = 83
CES18 = 57	CES43 = 86	CES68 = 91	CES93 = 89
CES19 = 72	CES44 = 99	CES69 = 92	CES94 = 76
CES20 = 67	CES45 = 90	CES70 = 88	CES95 = 87
CES21 = 86	CES46 = 91	CES71 = 85	CES96 = 93
CES22 = 79	CES47 = 86	CES72 = 95	CES97 = 89
CES23 = 92	CES48 = 96	CES73 = 83	CES98 = 92
CES24 = 90	CES49 = 89	CES74 = 90	CES99 = 98
CES25 = 72	CES50 = 94	CES75 = 85	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)