

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: P926861

Luminaire Tested: **HLBPH406FS6-927**

Issue Date: 12/11/2024



Test Information

Test Method: LM-79-08
Report Number: P926861
Test Lab: LEADING TESTING LABORATORIES
Issue Date: 12/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: HLBPH406FS6-927
Description: HALO HLBPH SLIM EDGE 4 inch 90 CRI COLOR SELECTABLE FIXTURE
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

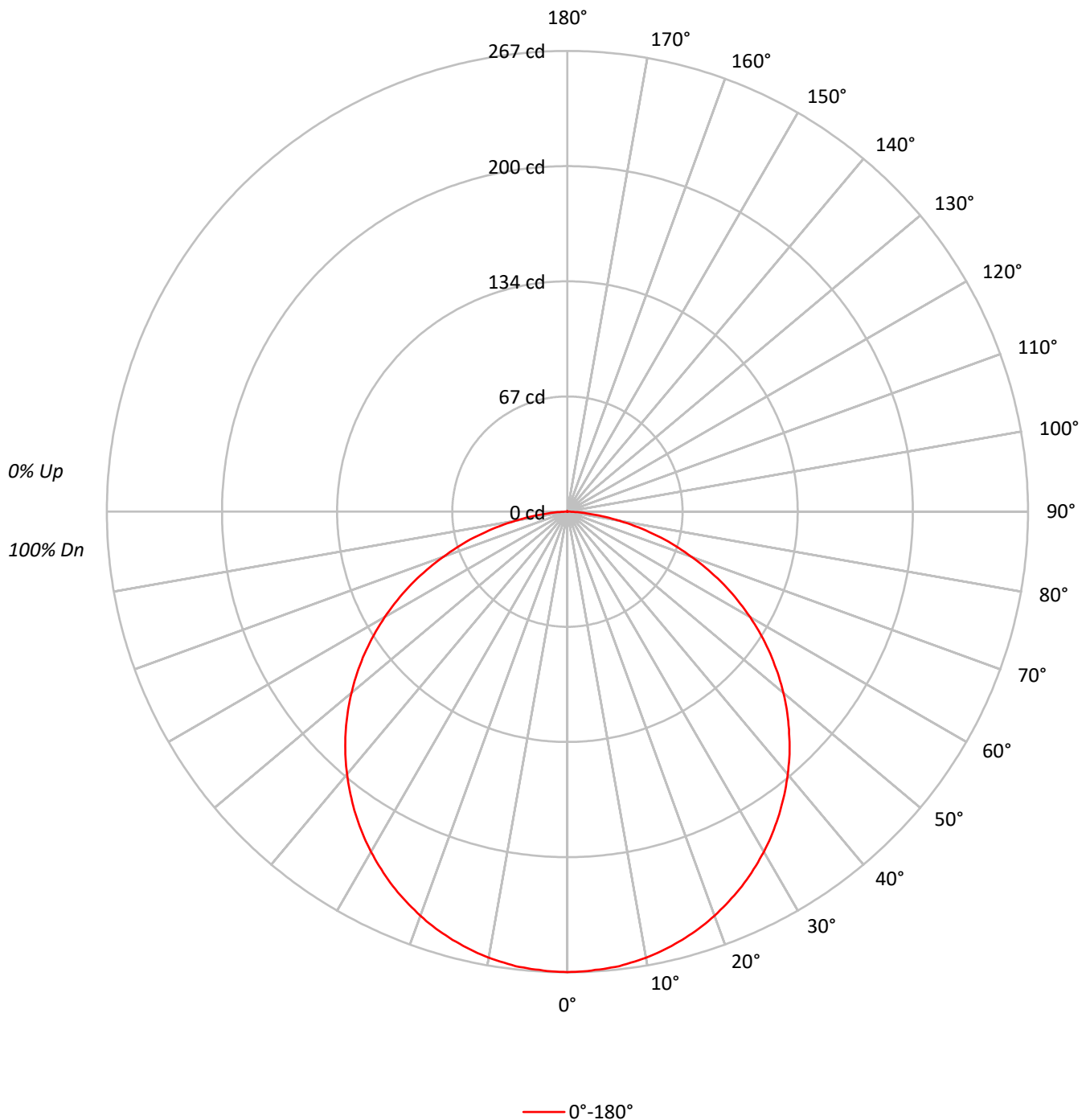
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 780.2 lumens
Efficiency: N/A
Efficacy: 91.8 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): 8.5
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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	109	104	99	96	106	101	98	94	97	94	91	93	91	88	90	88	86	83		
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69		
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58		
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49		
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43		
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37		
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33		
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29		
9	56	42	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26		
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	40643
5°	40615
10°	40590
15°	40516
20°	40383
25°	40241
30°	40038
35°	39782
40°	39499
45°	39151
50°	38710
55°	38098
60°	37247
65°	35996
70°	34105
75°	31654
80°	27010
85°	19394



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.3	3.2
10°-20°	72.5	9.3
20°-30°	110.3	14.1
30°-40°	133.9	17.2
40°-50°	140.2	18.0
50°-60°	128.2	16.4
60°-70°	98.7	12.7
70°-80°	56.6	7.3
80°-90°	13.8	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°	208.1	26.7
0°-40°	342.0	43.8
0°-60°	610.4	78.2
0°-90°	779.6	99.9
90°-120°	0.1	0.0
90°-150°	0.4	0.1
90°-180°	1.0	0.1
0°-180°	780.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	267	
5°	266	25
15°	257	73
25°	240	110
35°	214	134
45°	182	140
55°	144	128
65°	100	99
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°	266.9
0.5°	266.8
1°	266.8
1.5°	266.7
2°	266.6
2.5°	266.5
3°	266.3
3.5°	266.1
4°	266.0
4.5°	265.9
5°	265.7
5.5°	265.5
6°	265.3
6.5°	265.1
7°	264.7
7.5°	264.4
8°	264.0
8.5°	263.7
9°	263.3
9.5°	262.9
10°	262.5
10.5°	262.1
11°	261.6
11.5°	261.1
12°	260.5
12.5°	260.0
13°	259.4
13.5°	258.8
14°	258.2
14.5°	257.5
15°	257.0
15.5°	256.2
16°	255.5
16.5°	254.8
17°	254.1
17.5°	253.4
18°	252.6
18.5°	251.8
19°	251.0
19.5°	250.1
20°	249.2
20.5°	248.3
21°	247.3
21.5°	246.4
22°	245.5



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CANDELA DISTRIBUTION (continued):

0°	
22.5°	244.5
23°	243.5
23.5°	242.6
24°	241.6
24.5°	240.5
25°	239.5
25.5°	238.3
26°	237.3
26.5°	236.1
27°	234.9
27.5°	233.7
28°	232.6
28.5°	231.4
29°	230.1
29.5°	228.9
30°	227.7
30.5°	226.4
31°	225.1
31.5°	223.8
32°	222.5
32.5°	221.1
33°	219.7
33.5°	218.3
34°	216.9
34.5°	215.4
35°	214.0
35.5°	212.6
36°	211.1
36.5°	209.6
37°	208.1
37.5°	206.6
38°	205.0
38.5°	203.5
39°	201.9
39.5°	200.3
40°	198.7
40.5°	197.1
41°	195.5
41.5°	193.9
42°	192.3
42.5°	190.6
43°	188.8
43.5°	187.1
44°	185.4
44.5°	183.6



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CANDELA DISTRIBUTION (continued):

	0°
45°	181.8
45.5°	180.1
46°	178.3
46.5°	176.5
47°	174.6
47.5°	172.8
48°	171.0
48.5°	169.1
49°	167.2
49.5°	165.4
50°	163.4
50.5°	161.5
51°	159.5
51.5°	157.6
52°	155.6
52.5°	153.6
53°	151.6
53.5°	149.5
54°	147.6
54.5°	145.6
55°	143.5
55.5°	141.4
56°	139.3
56.5°	137.2
57°	135.2
57.5°	133.1
58°	130.9
58.5°	128.8
59°	126.6
59.5°	124.4
60°	122.3
60.5°	120.1
61°	117.9
61.5°	115.7
62°	113.5
62.5°	111.2
63°	109.0
63.5°	106.7
64°	104.4
64.5°	102.2
65°	99.9
65.5°	97.7
66°	95.4
66.5°	93.0
67°	90.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	88.4
68°	86.1
68.5°	83.7
69°	81.4
69.5°	79.0
70°	76.6
70.5°	74.3
71°	72.0
71.5°	69.8
72°	67.5
72.5°	65.3
73°	63.1
73.5°	60.9
74°	58.5
74.5°	56.2
75°	53.8
75.5°	51.4
76°	49.0
76.5°	46.7
77°	44.4
77.5°	42.1
78°	39.8
78.5°	37.5
79°	35.3
79.5°	33.0
80°	30.8
80.5°	28.7
81°	26.4
81.5°	24.4
82°	22.4
82.5°	20.3
83°	18.3
83.5°	16.5
84°	14.7
84.5°	12.9
85°	11.1
85.5°	9.6
86°	8.1
86.5°	6.9
87°	5.7
87.5°	4.5
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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Scaled Data Report



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CANDELA DISTRIBUTION (continued):

0°
180° | 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: SP1-2501-315-1

Test Date: 01/13/2025

Luminaire Tested: HLBPH406FS6-2700K

Data in this report applies to families of products including HLBPH406FS6-2700K

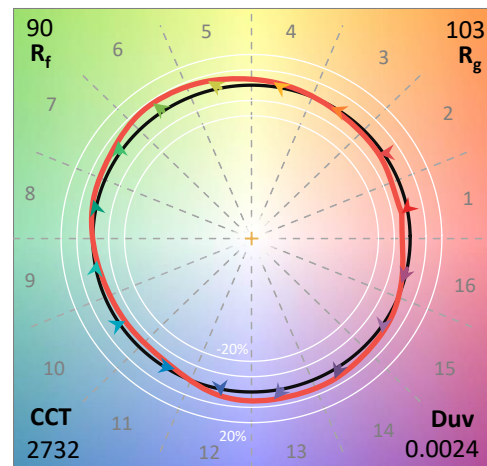
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2501-315-1
 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: **HLBPH406FS6-2700K**
 Description: HLBPH 4 INCH 6 CCT FIXTURE@2700K

Spectral Parameters

CCT (K): 2732
 CIE u' : 0.2604
 CIE v' : 0.5301
 Duv: 0.0024
 CIE x: 0.4613
 CIE y: 0.4174
 CIE z: 0.1214
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 583
 Purity: 63.74473
 R_f: 89.5
 R_g: 102.8

CRI (Ra): 93.0
 R1: 96.7
 R2: 93.7
 R3: 87.7
 R4: 94.5
 R5: 94.1
 R6: 93.4
 R7: 94.7
 R8: 89.2
 R9: 69.1
 R10: 81.4
 R11: 94.5
 R12: 77.0
 R13: 95.3
 R14: 91.0
 R15: 92.9



Test Conditions

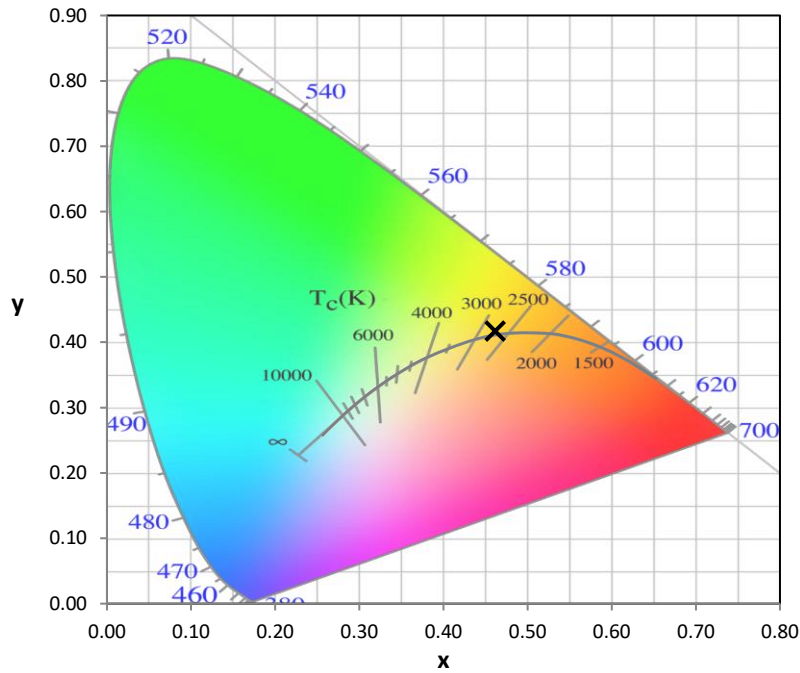
Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.4

REPORT NUMBER: SP1-2501-315-1

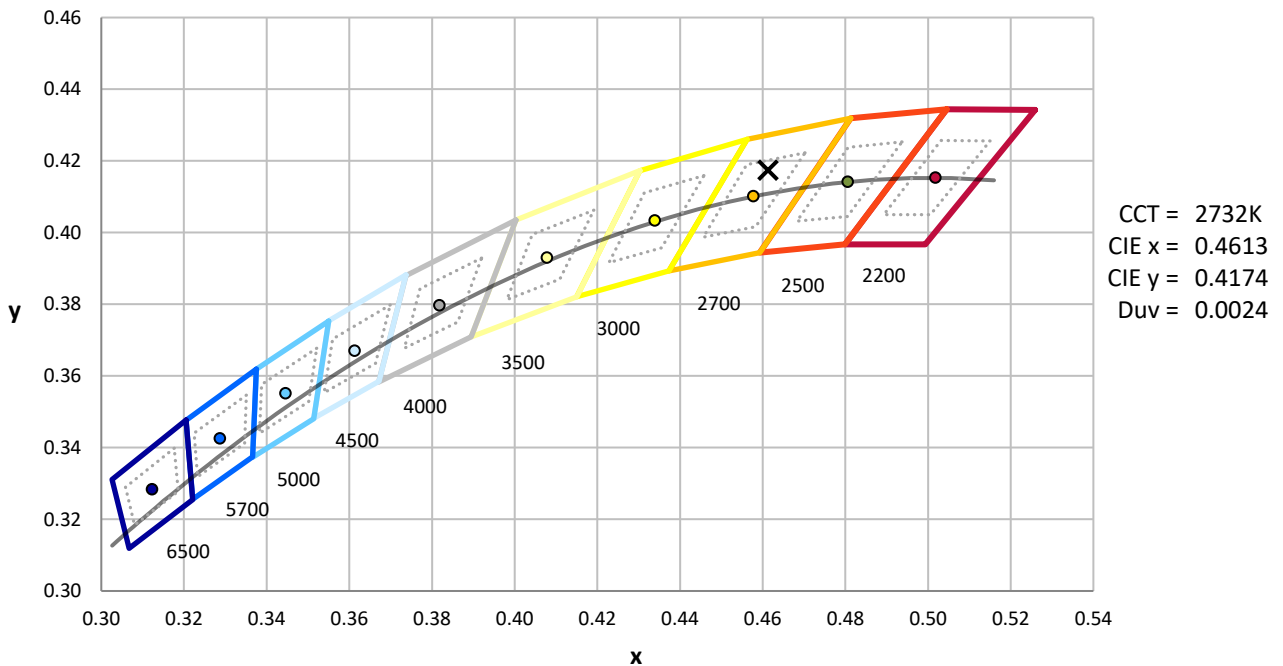
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram

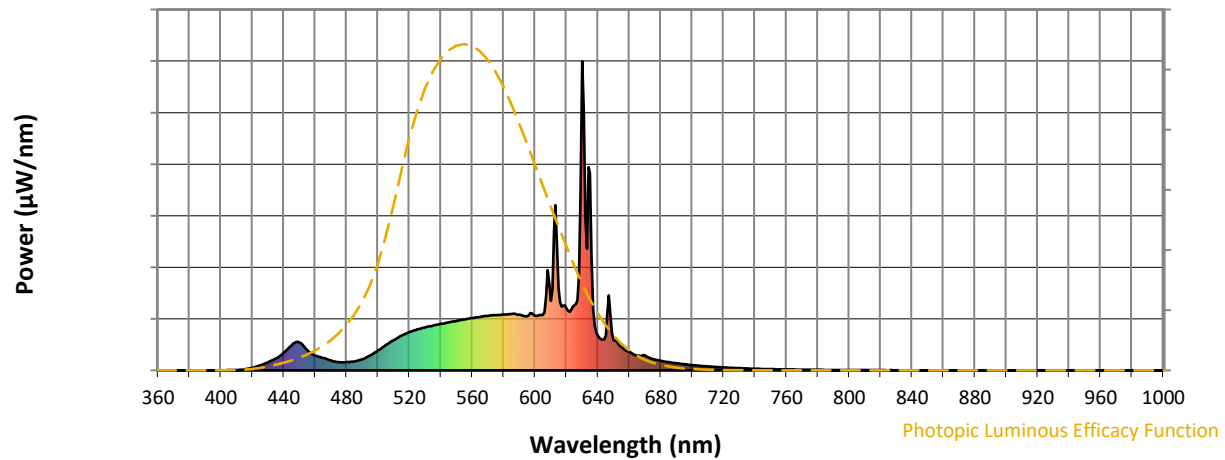


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



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Photopic Flux vs. Wavelength

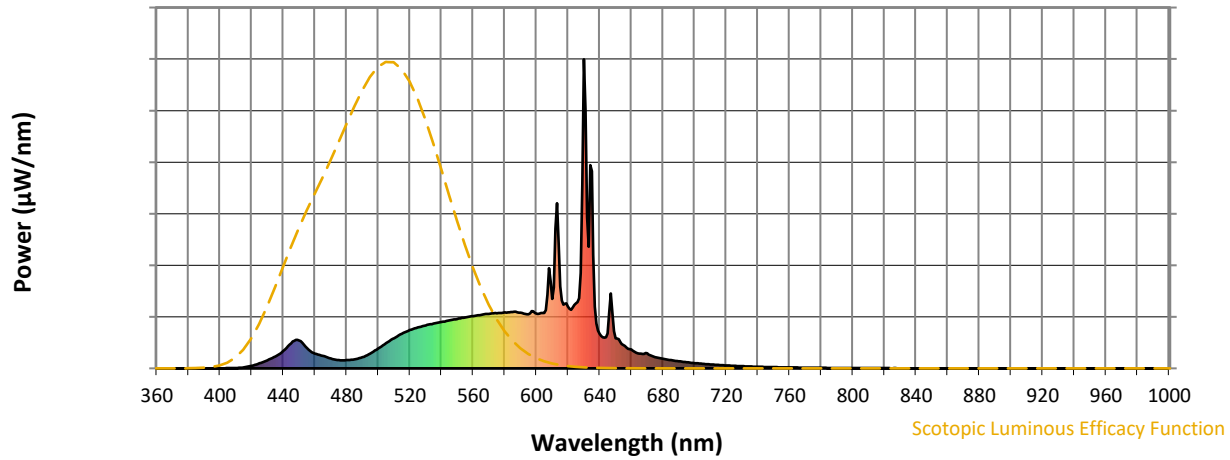


Photopic Lumens: NR

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	36	NR	620	200	NR	750	4	NR	880	0	NR
365	0	NR	495	48	NR	625	211	NR	755	3	NR	885	0	NR
370	0	NR	500	64	NR	630	1000	NR	760	3	NR	890	0	NR
375	0	NR	505	82	NR	635	638	NR	765	3	NR	895	0	NR
380	0	NR	510	98	NR	640	112	NR	770	2	NR	900	0	NR
385	0	NR	515	112	NR	645	113	NR	775	2	NR	905	0	NR
390	0	NR	520	124	NR	650	98	NR	780	2	NR	910	0	NR
395	0	NR	525	132	NR	655	76	NR	785	2	NR	915	0	NR
400	0	NR	530	139	NR	660	61	NR	790	1	NR	920	0	NR
405	1	NR	535	145	NR	665	48	NR	795	1	NR	925	0	NR
410	1	NR	540	151	NR	670	49	NR	800	1	NR	930	0	NR
415	3	NR	545	155	NR	675	36	NR	805	1	NR	935	0	NR
420	8	NR	550	160	NR	680	31	NR	810	1	NR	940	0	NR
425	16	NR	555	165	NR	685	27	NR	815	1	NR	945	0	NR
430	26	NR	560	169	NR	690	23	NR	820	1	NR	950	0	NR
435	39	NR	565	173	NR	695	20	NR	825	1	NR	955	0	NR
440	57	NR	570	176	NR	700	17	NR	830	0	NR	960	0	NR
445	81	NR	575	179	NR	705	15	NR	835	0	NR	965	0	NR
450	90	NR	580	181	NR	710	13	NR	840	0	NR	970	0	NR
455	65	NR	585	182	NR	715	11	NR	845	0	NR	975	0	NR
460	48	NR	590	180	NR	720	9	NR	850	0	NR	980	0	NR
465	40	NR	595	175	NR	725	8	NR	855	0	NR	985	0	NR
470	32	NR	600	177	NR	730	7	NR	860	0	NR	990	0	NR
475	27	NR	605	179	NR	735	6	NR	865	0	NR	995	0	NR
480	27	NR	610	225	NR	740	5	NR	870	0	NR	1000	0	NR
485	29	NR	615	265	NR	745	5	NR	875	0	NR			

REPORT NUMBER: SP1-2501-315-1

Scotopic Flux vs. Wavelength



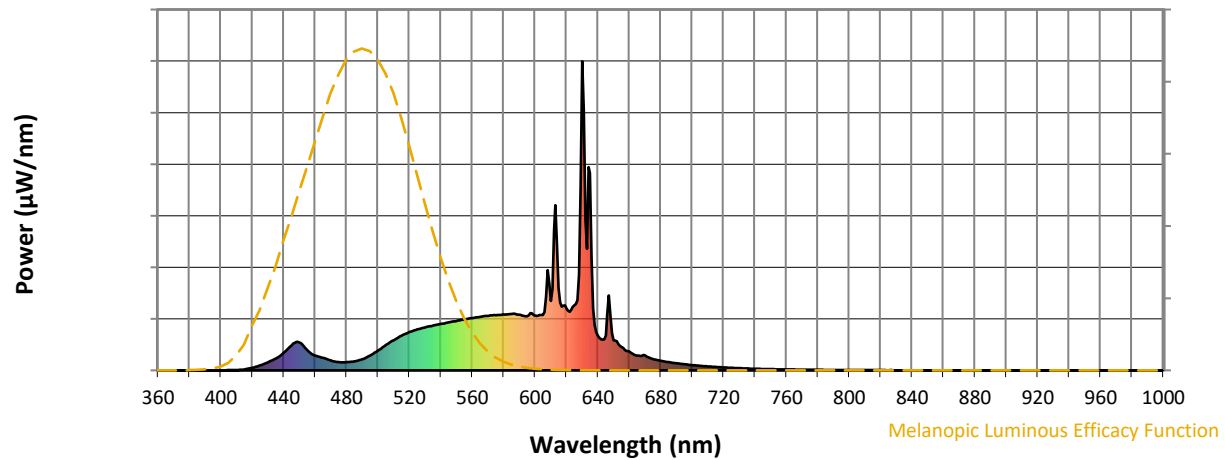
Scotopic Lumens: NR

S/P: 1.23

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	36	NR	620	200	NR	750	4	NR	880	0	NR
365	0	NR	495	48	NR	625	211	NR	755	3	NR	885	0	NR
370	0	NR	500	64	NR	630	1000	NR	760	3	NR	890	0	NR
375	0	NR	505	82	NR	635	638	NR	765	3	NR	895	0	NR
380	0	NR	510	98	NR	640	112	NR	770	2	NR	900	0	NR
385	0	NR	515	112	NR	645	113	NR	775	2	NR	905	0	NR
390	0	NR	520	124	NR	650	98	NR	780	2	NR	910	0	NR
395	0	NR	525	132	NR	655	76	NR	785	2	NR	915	0	NR
400	0	NR	530	139	NR	660	61	NR	790	1	NR	920	0	NR
405	1	NR	535	145	NR	665	48	NR	795	1	NR	925	0	NR
410	1	NR	540	151	NR	670	49	NR	800	1	NR	930	0	NR
415	3	NR	545	155	NR	675	36	NR	805	1	NR	935	0	NR
420	8	NR	550	160	NR	680	31	NR	810	1	NR	940	0	NR
425	16	NR	555	165	NR	685	27	NR	815	1	NR	945	0	NR
430	26	NR	560	169	NR	690	23	NR	820	1	NR	950	0	NR
435	39	NR	565	173	NR	695	20	NR	825	1	NR	955	0	NR
440	57	NR	570	176	NR	700	17	NR	830	0	NR	960	0	NR
445	81	NR	575	179	NR	705	15	NR	835	0	NR	965	0	NR
450	90	NR	580	181	NR	710	13	NR	840	0	NR	970	0	NR
455	65	NR	585	182	NR	715	11	NR	845	0	NR	975	0	NR
460	48	NR	590	180	NR	720	9	NR	850	0	NR	980	0	NR
465	40	NR	595	175	NR	725	8	NR	855	0	NR	985	0	NR
470	32	NR	600	177	NR	730	7	NR	860	0	NR	990	0	NR
475	27	NR	605	179	NR	735	6	NR	865	0	NR	995	0	NR
480	27	NR	610	225	NR	740	5	NR	870	0	NR	1000	0	NR
485	29	NR	615	265	NR	745	5	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.22

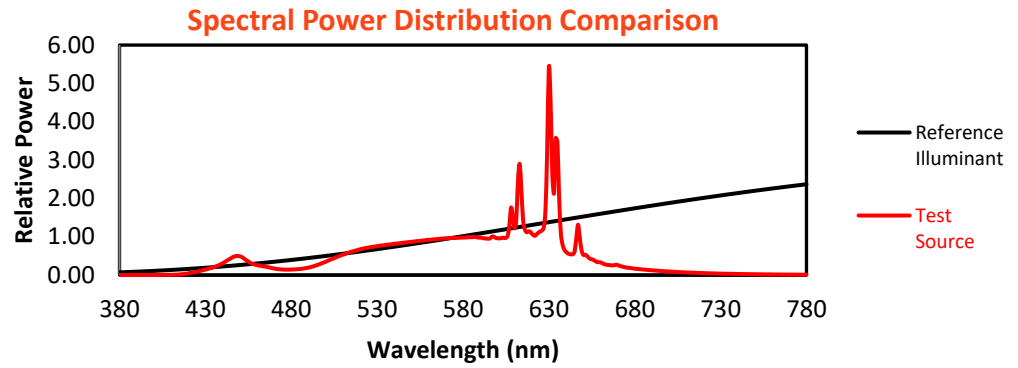
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	36	NR	620	200	NR	750	4	NR	880	0	NR
365	0	NR	495	48	NR	625	211	NR	755	3	NR	885	0	NR
370	0	NR	500	64	NR	630	1000	NR	760	3	NR	890	0	NR
375	0	NR	505	82	NR	635	638	NR	765	3	NR	895	0	NR
380	0	NR	510	98	NR	640	112	NR	770	2	NR	900	0	NR
385	0	NR	515	112	NR	645	113	NR	775	2	NR	905	0	NR
390	0	NR	520	124	NR	650	98	NR	780	2	NR	910	0	NR
395	0	NR	525	132	NR	655	76	NR	785	2	NR	915	0	NR
400	0	NR	530	139	NR	660	61	NR	790	1	NR	920	0	NR
405	1	NR	535	145	NR	665	48	NR	795	1	NR	925	0	NR
410	1	NR	540	151	NR	670	49	NR	800	1	NR	930	0	NR
415	3	NR	545	155	NR	675	36	NR	805	1	NR	935	0	NR
420	8	NR	550	160	NR	680	31	NR	810	1	NR	940	0	NR
425	16	NR	555	165	NR	685	27	NR	815	1	NR	945	0	NR
430	26	NR	560	169	NR	690	23	NR	820	1	NR	950	0	NR
435	39	NR	565	173	NR	695	20	NR	825	1	NR	955	0	NR
440	57	NR	570	176	NR	700	17	NR	830	0	NR	960	0	NR
445	81	NR	575	179	NR	705	15	NR	835	0	NR	965	0	NR
450	90	NR	580	181	NR	710	13	NR	840	0	NR	970	0	NR
455	65	NR	585	182	NR	715	11	NR	845	0	NR	975	0	NR
460	48	NR	590	180	NR	720	9	NR	850	0	NR	980	0	NR
465	40	NR	595	175	NR	725	8	NR	855	0	NR	985	0	NR
470	32	NR	600	177	NR	730	7	NR	860	0	NR	990	0	NR
475	27	NR	605	179	NR	735	6	NR	865	0	NR	995	0	NR
480	27	NR	610	225	NR	740	5	NR	870	0	NR	1000	0	NR
485	29	NR	615	265	NR	745	5	NR	875	0	NR			

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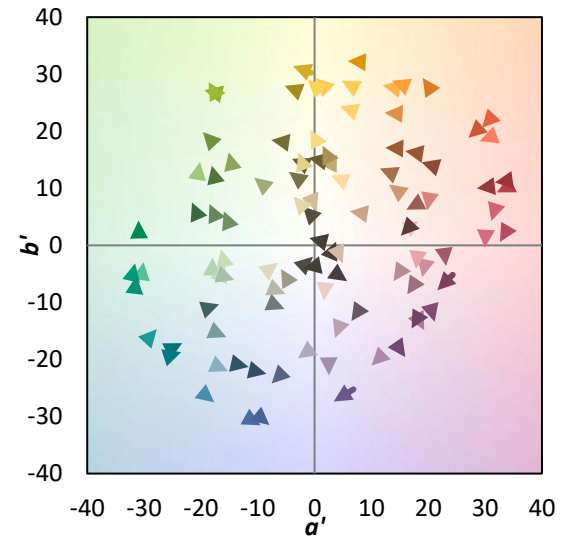
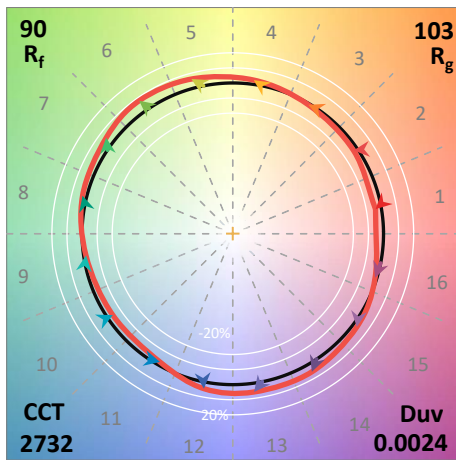
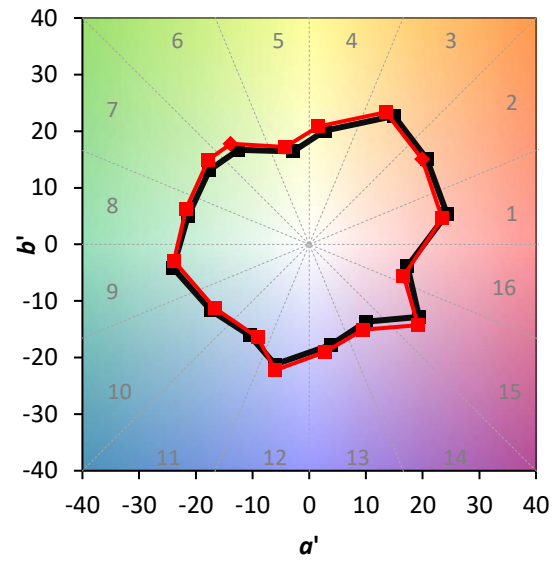
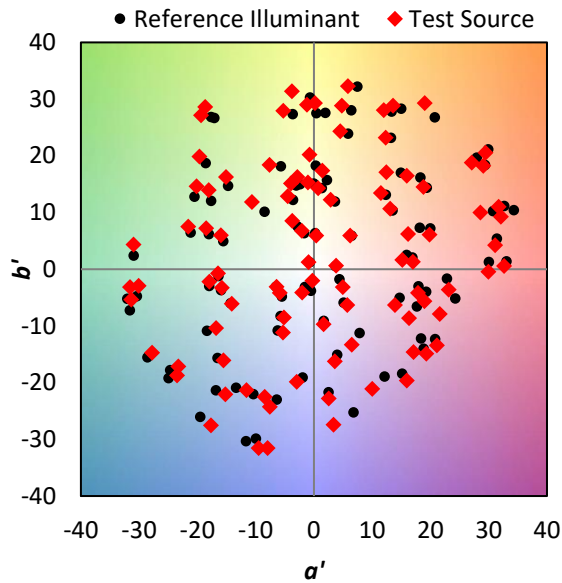
TM-30-18

Summary

$R_f = 89.5$
 $R_g = 102.8$
 $CIE R_a = 93.0$
 $R_g = 69.1$

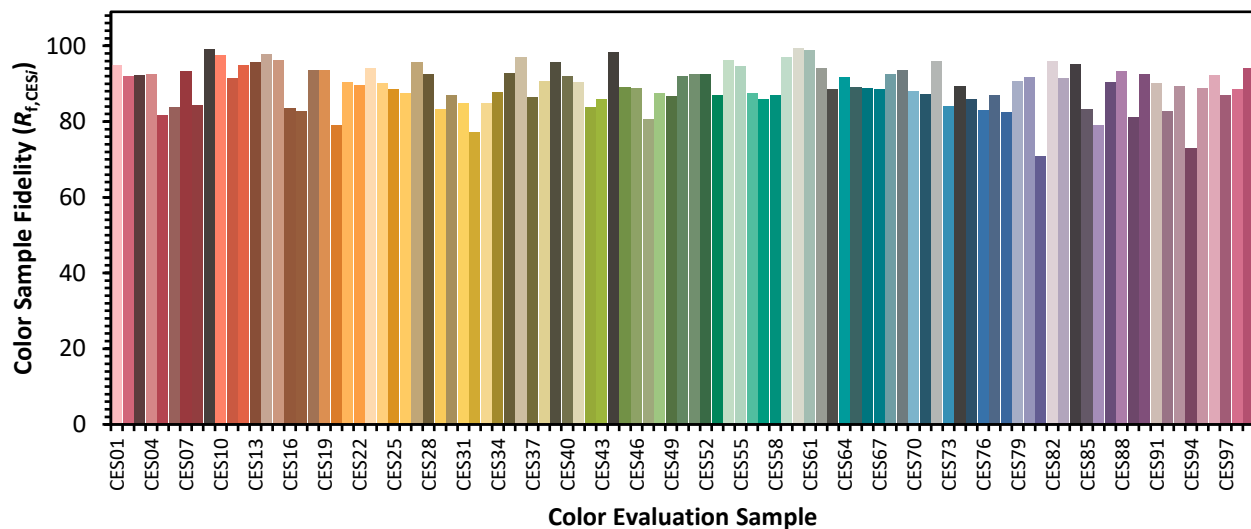


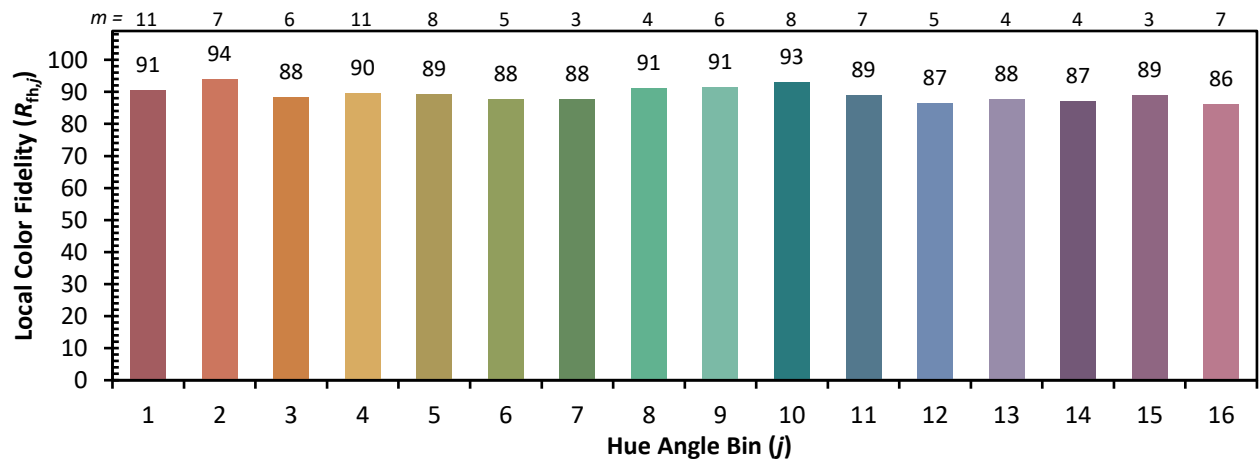
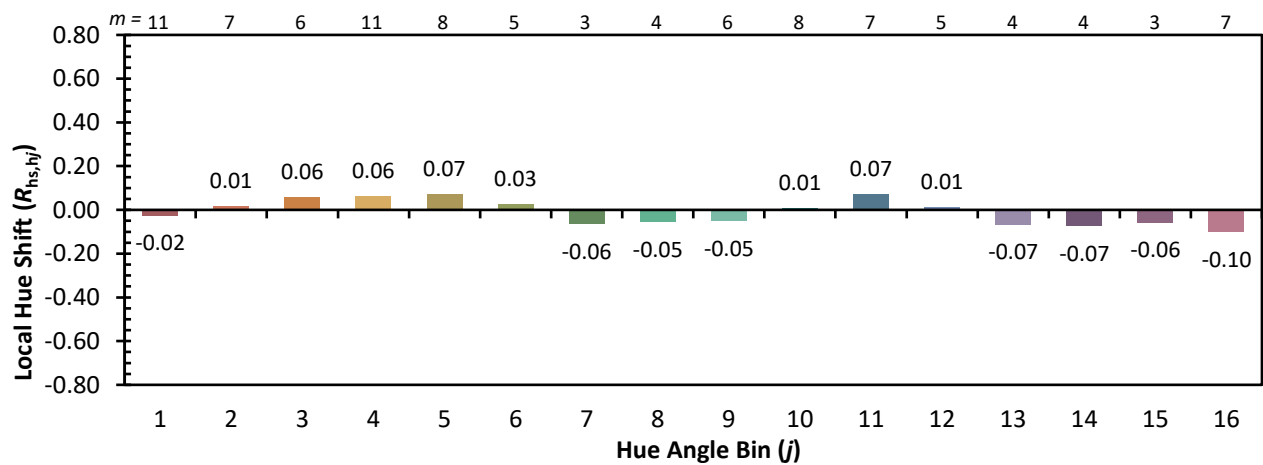
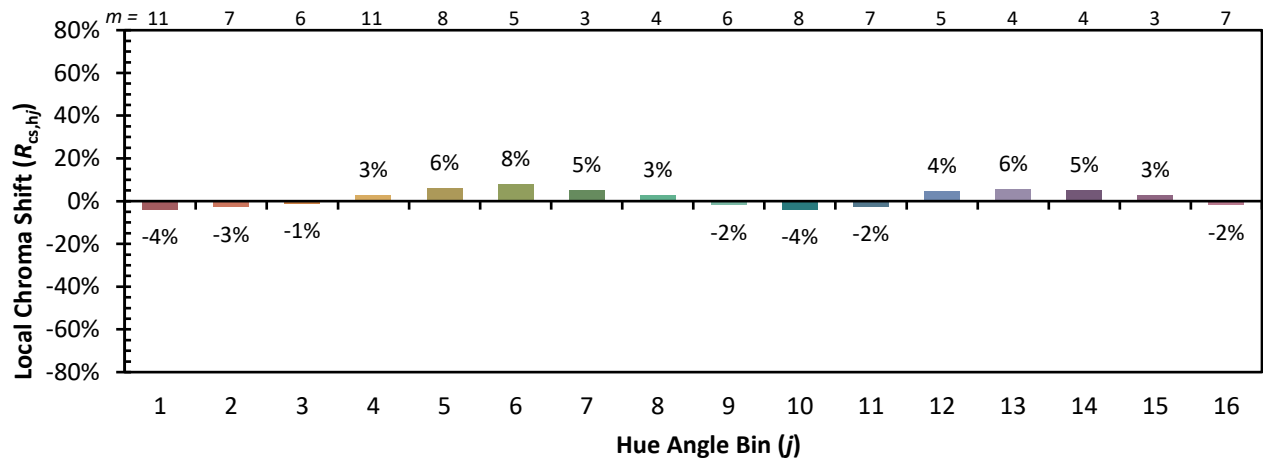
Color Vector Graphics



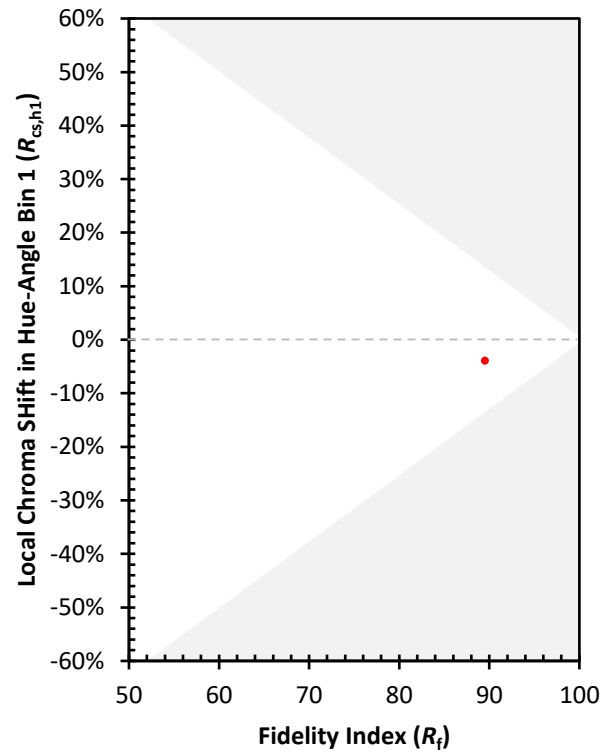
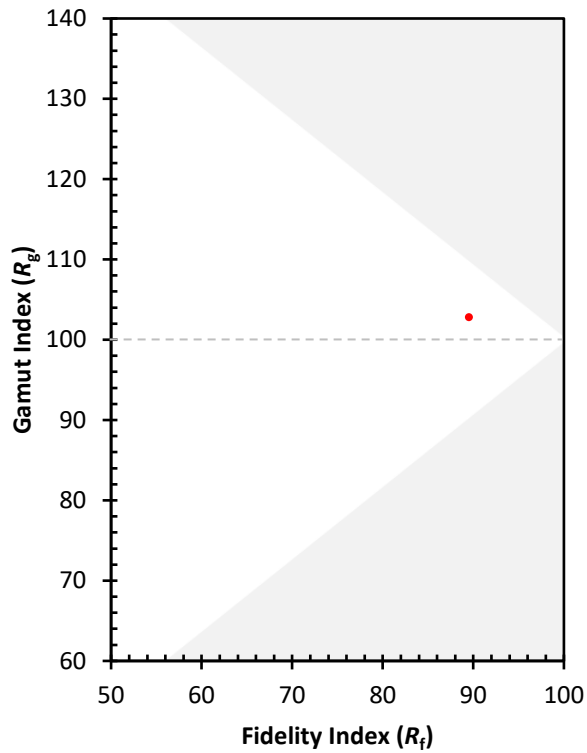
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 88	CES51 = 93	CES76 = 83
CES02 = 64	CES27 = 96	CES52 = 92	CES77 = 87
CES03 = 32	CES28 = 93	CES53 = 87	CES78 = 83
CES04 = 70	CES29 = 83	CES54 = 96	CES79 = 91
CES05 = 51	CES30 = 87	CES55 = 95	CES80 = 92
CES06 = 51	CES31 = 85	CES56 = 87	CES81 = 71
CES07 = 45	CES32 = 77	CES57 = 86	CES82 = 96
CES08 = 43	CES33 = 85	CES58 = 87	CES83 = 92
CES09 = 29	CES34 = 88	CES59 = 97	CES84 = 95
CES10 = 76	CES35 = 93	CES60 = 99	CES85 = 83
CES11 = 59	CES36 = 97	CES61 = 99	CES86 = 79
CES12 = 66	CES37 = 86	CES62 = 94	CES87 = 90
CES13 = 44	CES38 = 91	CES63 = 89	CES88 = 93
CES14 = 74	CES39 = 96	CES64 = 92	CES89 = 81
CES15 = 72	CES40 = 92	CES65 = 89	CES90 = 92
CES16 = 48	CES41 = 90	CES66 = 89	CES91 = 90
CES17 = 50	CES42 = 84	CES67 = 89	CES92 = 83
CES18 = 57	CES43 = 86	CES68 = 93	CES93 = 89
CES19 = 72	CES44 = 98	CES69 = 94	CES94 = 73
CES20 = 68	CES45 = 89	CES70 = 88	CES95 = 89
CES21 = 87	CES46 = 89	CES71 = 87	CES96 = 92
CES22 = 79	CES47 = 81	CES72 = 96	CES97 = 87
CES23 = 92	CES48 = 87	CES73 = 84	CES98 = 88
CES24 = 91	CES49 = 87	CES74 = 89	CES99 = 94
CES25 = 72	CES50 = 92	CES75 = 86	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)