

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: P926870

Luminaire Tested: **HLBPH609FS6-950**

Issue Date: 12/11/2024



Test Information

Test Method: LM-79-08
Report Number: P926870
Test Lab: LEADING TESTING LABORATORIES
Issue Date: 12/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: HLBPH609FS6-950
Description: HALO HLBPH SLIM EDGE 6 inch 90 CRI COLOR SELECTABLE FIXTURE
Light Source: 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

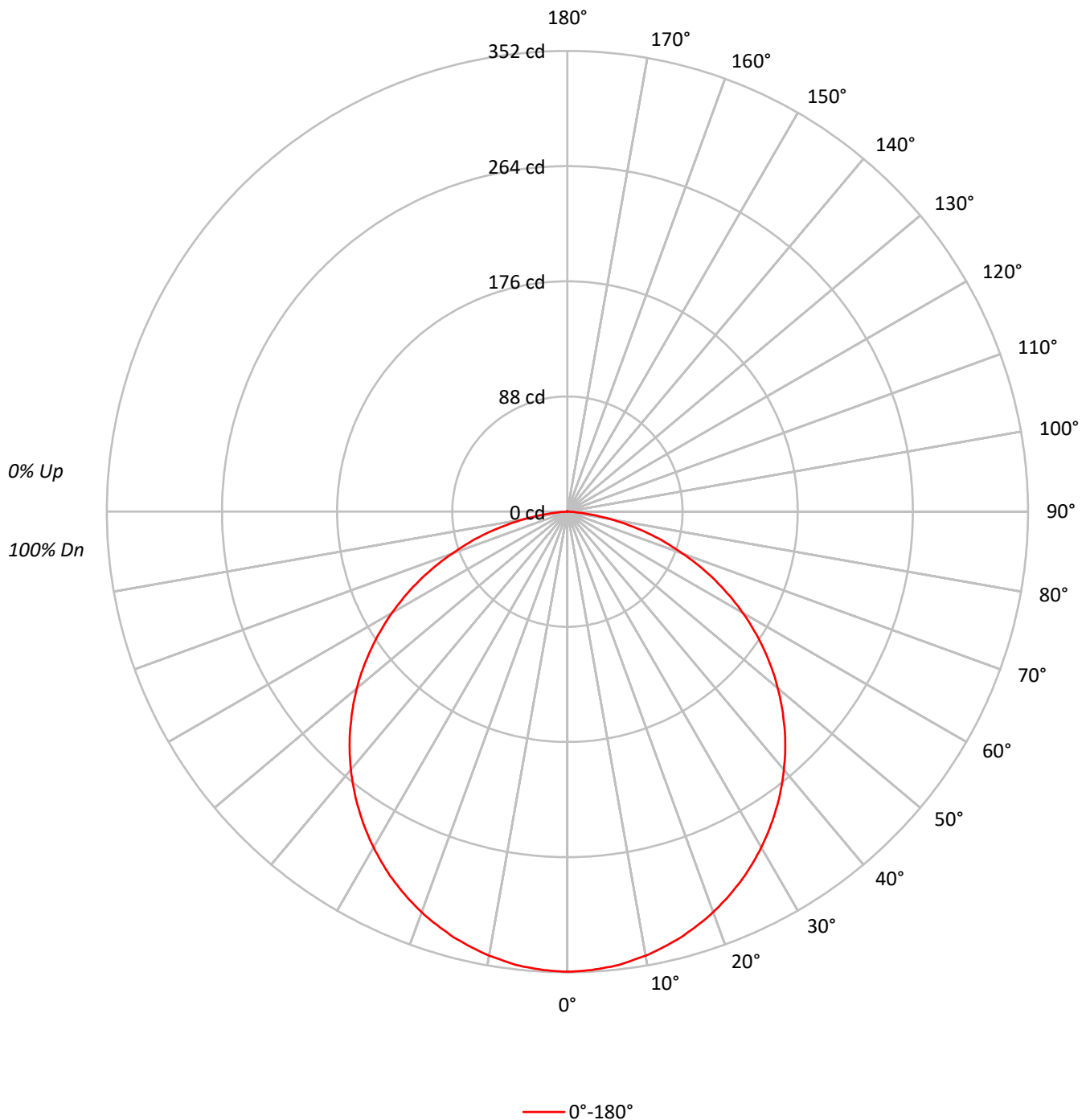
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 995.5 lumens
Efficiency: N/A
Efficacy: 100.6 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	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	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86	84		
2	99	91	84	78	96	89	83	77	85	80	76	82	78	74	79	75	72	70		
3	90	80	71	65	88	78	70	64	75	69	63	72	67	62	70	65	61	59		
4	83	71	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	50		
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43		
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38		
7	65	51	43	36	63	51	42	36	49	41	36	47	41	36	46	40	35	33		
8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	30		
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	29	27		
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	19269
5°	19233
10°	19177
15°	19098
20°	19001
25°	18896
30°	18756
35°	18598
40°	18420
45°	18196
50°	17901
55°	17519
60°	16972
65°	16214
70°	15051
75°	13492
80°	10734
85°	6353



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.2	3.3
10°-20°	94.9	9.5
20°-30°	143.9	14.5
30°-40°	173.9	17.5
40°-50°	181.0	18.2
50°-60°	163.7	16.4
60°-70°	123.4	12.4
70°-80°	67.2	6.7
80°-90°	13.6	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°	272.0	27.3
0°-40°	445.9	44.8
0°-60°	790.5	79.4
0°-90°	994.7	99.9
90°-120°	0.2	0.0
90°-150°	0.5	0.1
90°-180°	1.0	0.1
0°-180°	995.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	352	
5°	350	33
15°	336	95
25°	312	144
35°	278	174
45°	235	181
55°	183	164
65°	125	123
75°	64	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	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	351.5
0.5°	351.4
1°	351.3
1.5°	351.1
2°	351.0
2.5°	350.9
3°	350.7
3.5°	350.4
4°	350.2
4.5°	349.8
5°	349.5
5.5°	349.3
6°	348.9
6.5°	348.5
7°	347.9
7.5°	347.3
8°	346.7
8.5°	346.1
9°	345.5
9.5°	345.0
10°	344.5
10.5°	343.8
11°	343.0
11.5°	342.3
12°	341.5
12.5°	340.7
13°	339.9
13.5°	339.0
14°	338.2
14.5°	337.4
15°	336.5
15.5°	335.5
16°	334.4
16.5°	333.4
17°	332.4
17.5°	331.3
18°	330.2
18.5°	329.1
19°	328.0
19.5°	326.9
20°	325.7
20.5°	324.5
21°	323.2
21.5°	321.8
22°	320.6



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CANDELA DISTRIBUTION (continued):

0°	
22.5°	319.3
23°	317.9
23.5°	316.5
24°	315.1
24.5°	313.7
25°	312.4
25.5°	310.8
26°	309.4
26.5°	307.8
27°	306.2
27.5°	304.5
28°	302.9
28.5°	301.3
29°	299.6
29.5°	298.0
30°	296.3
30.5°	294.6
31°	292.8
31.5°	290.9
32°	289.2
32.5°	287.3
33°	285.5
33.5°	283.7
34°	281.7
34.5°	279.8
35°	277.9
35.5°	276.0
36°	274.1
36.5°	272.1
37°	270.0
37.5°	267.9
38°	265.9
38.5°	263.8
39°	261.7
39.5°	259.6
40°	257.4
40.5°	255.2
41°	253.0
41.5°	250.8
42°	248.6
42.5°	246.3
43°	244.1
43.5°	241.8
44°	239.5
44.5°	237.1



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CANDELA DISTRIBUTION (continued):

	0°
45°	234.7
45.5°	232.2
46°	229.8
46.5°	227.4
47°	225.1
47.5°	222.6
48°	220.1
48.5°	217.6
49°	215.0
49.5°	212.5
50°	209.9
50.5°	207.4
51°	204.9
51.5°	202.3
52°	199.6
52.5°	196.9
53°	194.2
53.5°	191.4
54°	188.7
54.5°	186.0
55°	183.3
55.5°	180.5
56°	177.7
56.5°	175.0
57°	172.1
57.5°	169.2
58°	166.4
58.5°	163.6
59°	160.7
59.5°	157.7
60°	154.8
60.5°	151.9
61°	149.1
61.5°	146.0
62°	143.1
62.5°	140.1
63°	137.0
63.5°	134.0
64°	131.0
64.5°	128.0
65°	125.0
65.5°	121.9
66°	118.9
66.5°	115.7
67°	112.7



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CANDELA DISTRIBUTION (continued):

0°	
67.5°	109.5
68°	106.4
68.5°	103.4
69°	100.2
69.5°	97.0
70°	93.9
70.5°	90.9
71°	87.8
71.5°	84.6
72°	81.5
72.5°	78.4
73°	76.4
73.5°	73.3
74°	70.1
74.5°	66.9
75°	63.7
75.5°	60.6
76°	57.6
76.5°	54.5
77°	51.5
77.5°	48.5
78°	45.5
78.5°	42.6
79°	39.7
79.5°	36.8
80°	34.0
80.5°	31.3
81°	28.6
81.5°	26.0
82°	23.4
82.5°	20.9
83°	18.5
83.5°	16.3
84°	14.1
84.5°	12.0
85°	10.1
85.5°	8.3
86°	6.9
86.5°	5.6
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°	0.3
163°	0.3
163.5°	0.3
164°	0.3
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):

0°
180° | 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: SP1-2501-315-11

Test Date: 01/14/2025

Luminaire Tested: HLBPH609FS6-5000K

Data in this report applies to families of products including HLBPH609FS6-5000K

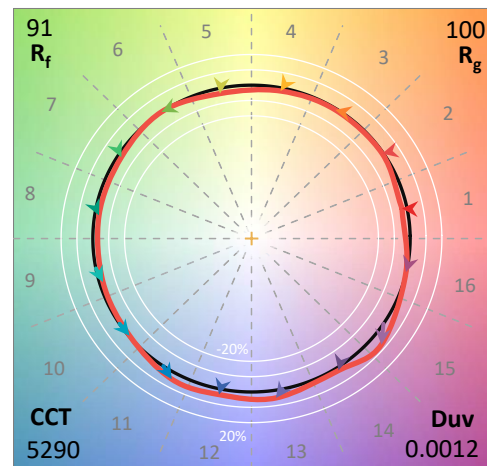
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2501-315-11
 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: **HLBPH609FS6-5000K**
 Description: HLBPH 6 INCH 6 CCT FIXTURE@5000K

Spectral Parameters

CCT (K): 5290
 CIE u' : 0.2078
 CIE v' : 0.4817
 Duv: 0.0012
 CIE x: 0.3375
 CIE y: 0.3478
 CIE z: 0.3147
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 564
 Purity: 5.618985
 R_f: 90.8
 R_g: 99.8

CRI (Ra): 96.2
 R1: 98.0
 R2: 97.6
 R3: 93.5
 R4: 97.3
 R5: 95.8
 R6: 93.4
 R7: 97.5
 R8: 96.2
 R9: 89.2
 R10: 91.2
 R11: 96.1
 R12: 70.2
 R13: 98.7
 R14: 95.6
 R15: 96.7



Test Conditions

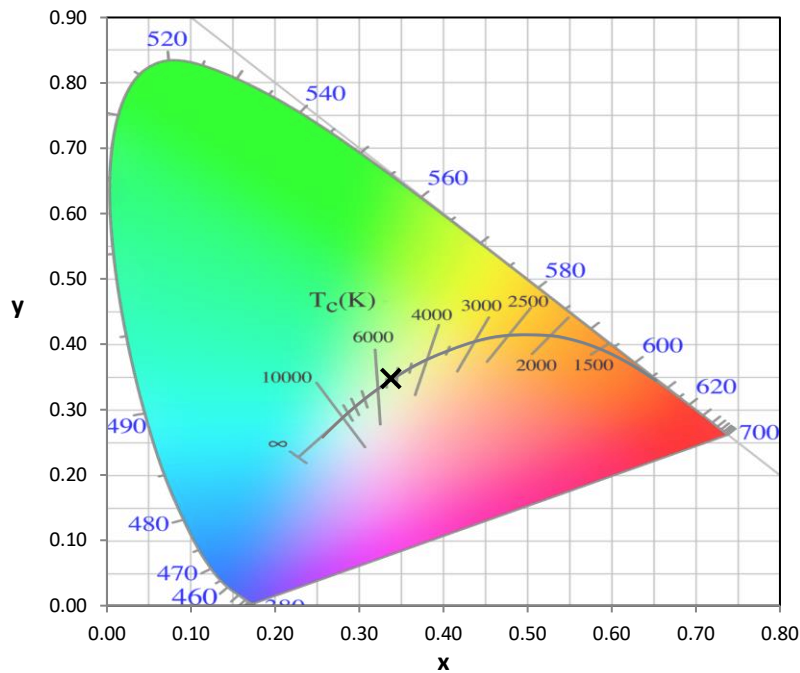
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 24.4

REPORT NUMBER: SP1-2501-315-11

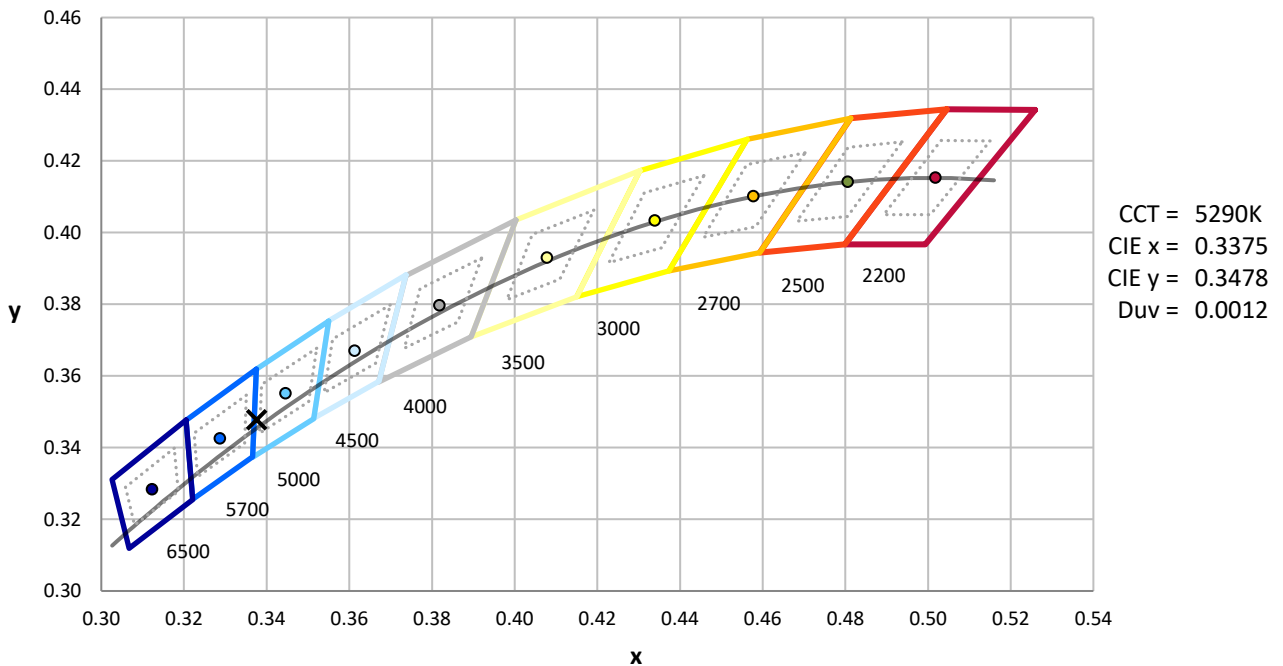
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



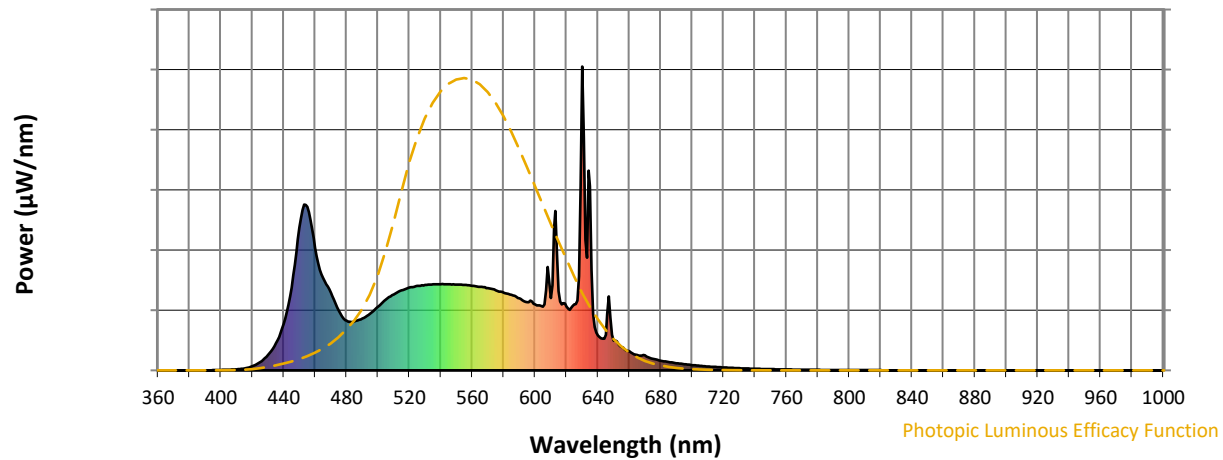
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 7-step quadrangle

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Photopic Flux vs. Wavelength

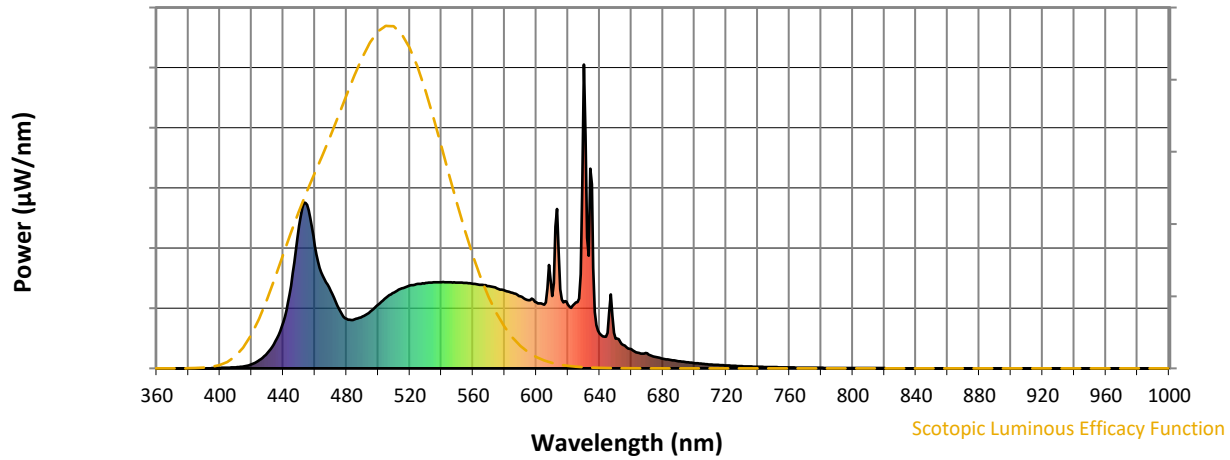


Photopic Lumens: NR

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	170	NR	620	209	NR	750	4	NR	880	0	NR
365	0	NR	495	187	NR	625	217	NR	755	3	NR	885	0	NR
370	0	NR	500	210	NR	630	1000	NR	760	3	NR	890	0	NR
375	0	NR	505	233	NR	635	606	NR	765	3	NR	895	0	NR
380	0	NR	510	250	NR	640	115	NR	770	2	NR	900	0	NR
385	0	NR	515	263	NR	645	116	NR	775	2	NR	905	0	NR
390	0	NR	520	273	NR	650	98	NR	780	2	NR	910	0	NR
395	1	NR	525	278	NR	655	77	NR	785	1	NR	915	0	NR
400	2	NR	530	281	NR	660	63	NR	790	1	NR	920	0	NR
405	2	NR	535	283	NR	665	50	NR	795	1	NR	925	0	NR
410	4	NR	540	284	NR	670	50	NR	800	1	NR	930	0	NR
415	6	NR	545	284	NR	675	38	NR	805	1	NR	935	0	NR
420	13	NR	550	282	NR	680	32	NR	810	1	NR	940	0	NR
425	28	NR	555	281	NR	685	28	NR	815	1	NR	945	0	NR
430	50	NR	560	278	NR	690	24	NR	820	1	NR	950	0	NR
435	89	NR	565	275	NR	695	20	NR	825	1	NR	955	0	NR
440	152	NR	570	270	NR	700	17	NR	830	0	NR	960	0	NR
445	272	NR	575	264	NR	705	15	NR	835	0	NR	965	0	NR
450	470	NR	580	256	NR	710	13	NR	840	0	NR	970	0	NR
455	539	NR	585	249	NR	715	11	NR	845	0	NR	975	0	NR
460	404	NR	590	237	NR	720	10	NR	850	0	NR	980	0	NR
465	304	NR	595	224	NR	725	8	NR	855	0	NR	985	0	NR
470	255	NR	600	217	NR	730	7	NR	860	0	NR	990	0	NR
475	197	NR	605	210	NR	735	6	NR	865	0	NR	995	0	NR
480	163	NR	610	239	NR	740	5	NR	870	0	NR	1000	0	NR
485	162	NR	615	261	NR	745	5	NR	875	0	NR			

REPORT NUMBER: SP1-2501-315-11

Scotopic Flux vs. Wavelength



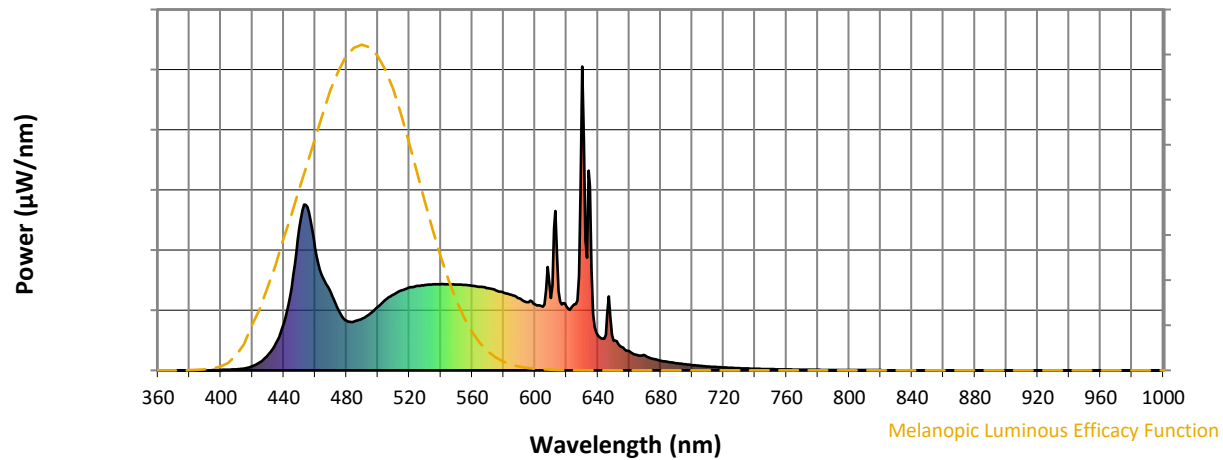
Scotopic Lumens: NR

S/P: 2.15

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	170	NR	620	209	NR	750	4	NR	880	0	NR
365	0	NR	495	187	NR	625	217	NR	755	3	NR	885	0	NR
370	0	NR	500	210	NR	630	1000	NR	760	3	NR	890	0	NR
375	0	NR	505	233	NR	635	606	NR	765	3	NR	895	0	NR
380	0	NR	510	250	NR	640	115	NR	770	2	NR	900	0	NR
385	0	NR	515	263	NR	645	116	NR	775	2	NR	905	0	NR
390	0	NR	520	273	NR	650	98	NR	780	2	NR	910	0	NR
395	1	NR	525	278	NR	655	77	NR	785	1	NR	915	0	NR
400	2	NR	530	281	NR	660	63	NR	790	1	NR	920	0	NR
405	2	NR	535	283	NR	665	50	NR	795	1	NR	925	0	NR
410	4	NR	540	284	NR	670	50	NR	800	1	NR	930	0	NR
415	6	NR	545	284	NR	675	38	NR	805	1	NR	935	0	NR
420	13	NR	550	282	NR	680	32	NR	810	1	NR	940	0	NR
425	28	NR	555	281	NR	685	28	NR	815	1	NR	945	0	NR
430	50	NR	560	278	NR	690	24	NR	820	1	NR	950	0	NR
435	89	NR	565	275	NR	695	20	NR	825	1	NR	955	0	NR
440	152	NR	570	270	NR	700	17	NR	830	0	NR	960	0	NR
445	272	NR	575	264	NR	705	15	NR	835	0	NR	965	0	NR
450	470	NR	580	256	NR	710	13	NR	840	0	NR	970	0	NR
455	539	NR	585	249	NR	715	11	NR	845	0	NR	975	0	NR
460	404	NR	590	237	NR	720	10	NR	850	0	NR	980	0	NR
465	304	NR	595	224	NR	725	8	NR	855	0	NR	985	0	NR
470	255	NR	600	217	NR	730	7	NR	860	0	NR	990	0	NR
475	197	NR	605	210	NR	735	6	NR	865	0	NR	995	0	NR
480	163	NR	610	239	NR	740	5	NR	870	0	NR	1000	0	NR
485	162	NR	615	261	NR	745	5	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 4.72

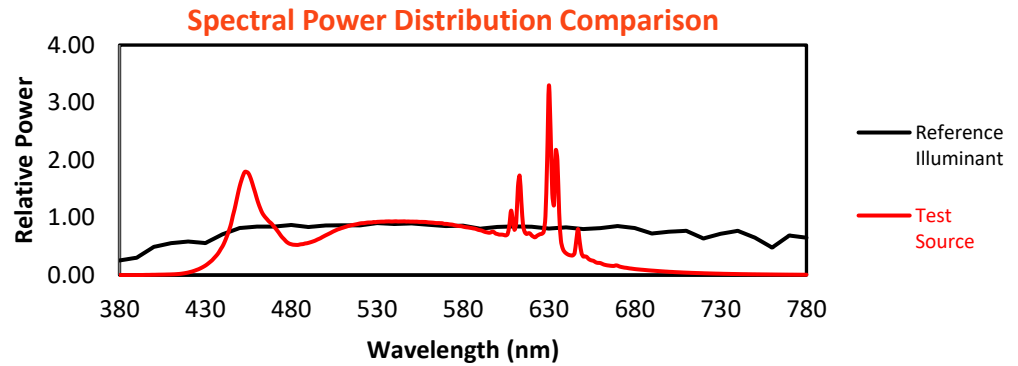
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170	NR	620	209	NR	750	4	NR	880	0	NR
365	0	NR	495	187	NR	625	217	NR	755	3	NR	885	0	NR
370	0	NR	500	210	NR	630	1000	NR	760	3	NR	890	0	NR
375	0	NR	505	233	NR	635	606	NR	765	3	NR	895	0	NR
380	0	NR	510	250	NR	640	115	NR	770	2	NR	900	0	NR
385	0	NR	515	263	NR	645	116	NR	775	2	NR	905	0	NR
390	0	NR	520	273	NR	650	98	NR	780	2	NR	910	0	NR
395	1	NR	525	278	NR	655	77	NR	785	1	NR	915	0	NR
400	2	NR	530	281	NR	660	63	NR	790	1	NR	920	0	NR
405	2	NR	535	283	NR	665	50	NR	795	1	NR	925	0	NR
410	4	NR	540	284	NR	670	50	NR	800	1	NR	930	0	NR
415	6	NR	545	284	NR	675	38	NR	805	1	NR	935	0	NR
420	13	NR	550	282	NR	680	32	NR	810	1	NR	940	0	NR
425	28	NR	555	281	NR	685	28	NR	815	1	NR	945	0	NR
430	50	NR	560	278	NR	690	24	NR	820	1	NR	950	0	NR
435	89	NR	565	275	NR	695	20	NR	825	1	NR	955	0	NR
440	152	NR	570	270	NR	700	17	NR	830	0	NR	960	0	NR
445	272	NR	575	264	NR	705	15	NR	835	0	NR	965	0	NR
450	470	NR	580	256	NR	710	13	NR	840	0	NR	970	0	NR
455	539	NR	585	249	NR	715	11	NR	845	0	NR	975	0	NR
460	404	NR	590	237	NR	720	10	NR	850	0	NR	980	0	NR
465	304	NR	595	224	NR	725	8	NR	855	0	NR	985	0	NR
470	255	NR	600	217	NR	730	7	NR	860	0	NR	990	0	NR
475	197	NR	605	210	NR	735	6	NR	865	0	NR	995	0	NR
480	163	NR	610	239	NR	740	5	NR	870	0	NR	1000	0	NR
485	162	NR	615	261	NR	745	5	NR	875	0	NR			

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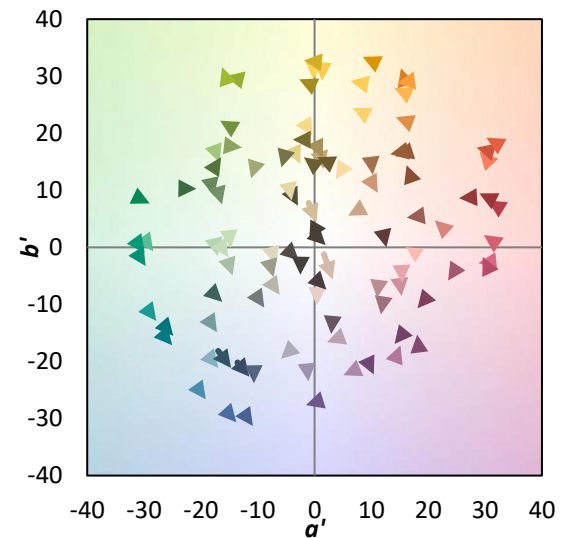
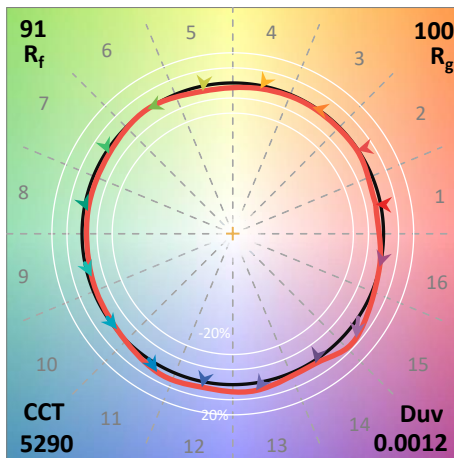
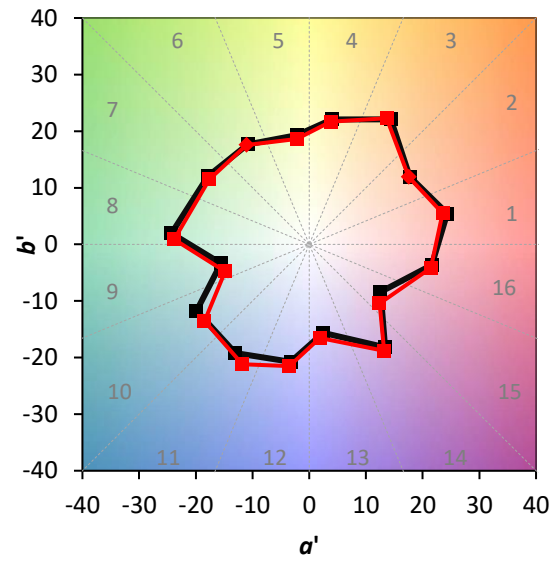
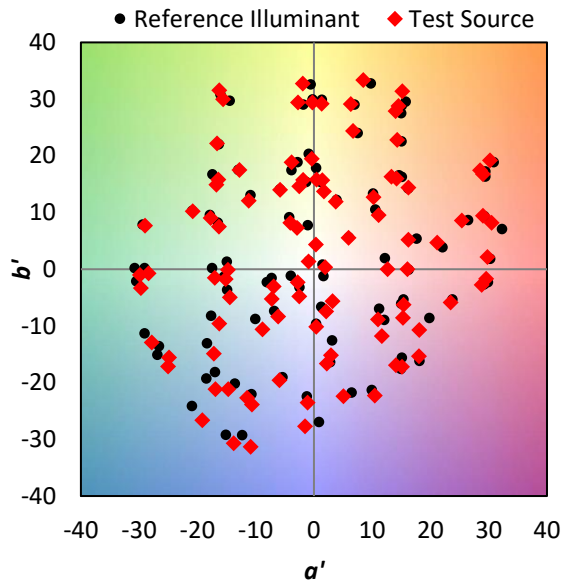
TM-30-18

Summary

$R_f = 90.8$
 $R_g = 99.8$
 $CIE R_a = 96.2$
 $R_9 = 89.2$

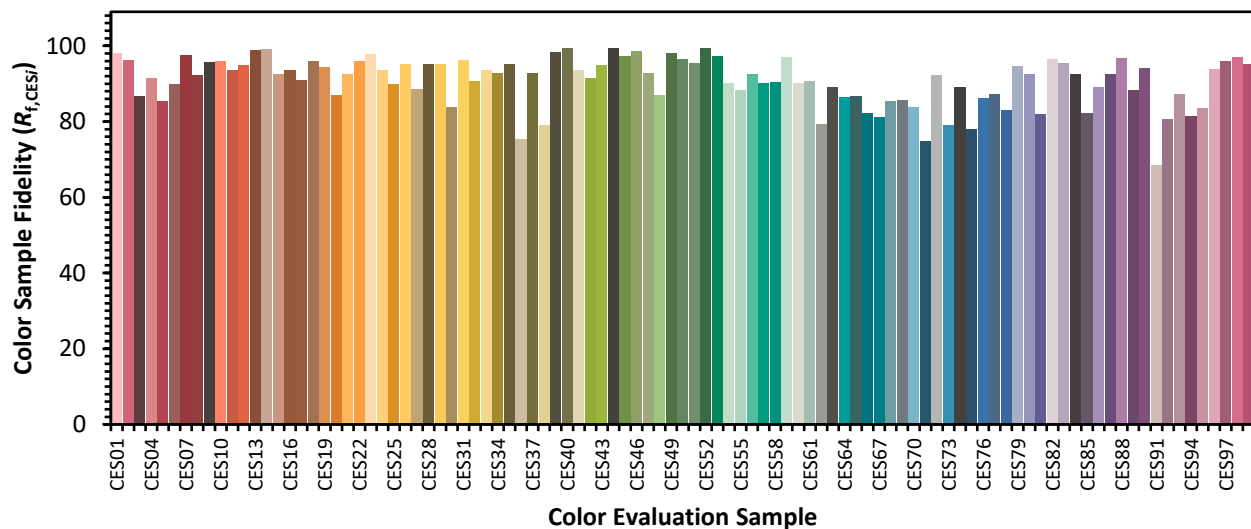


Color Vector Graphics

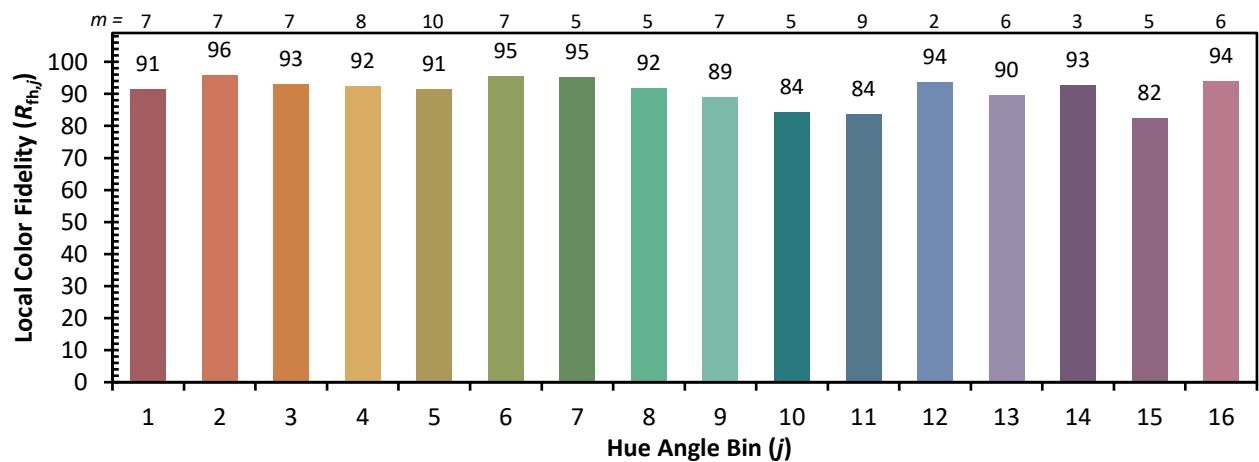
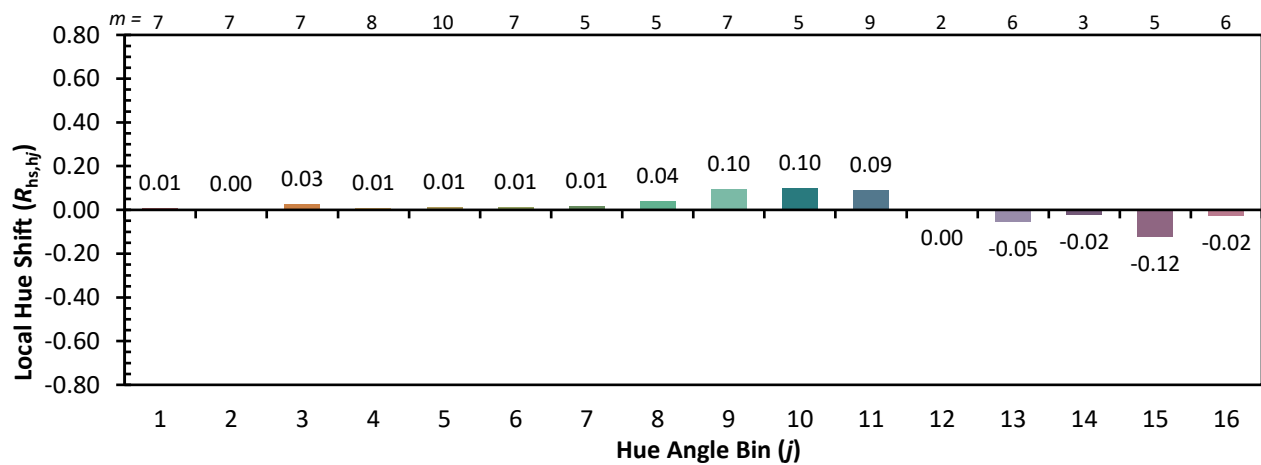
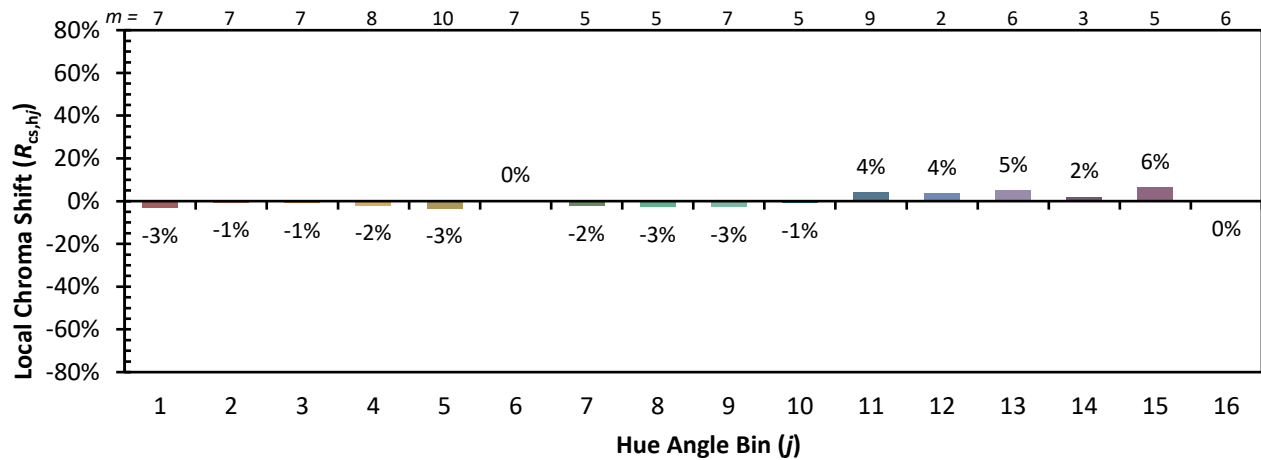


Individual Sample Fidelity Index ($R_{f,i}$)

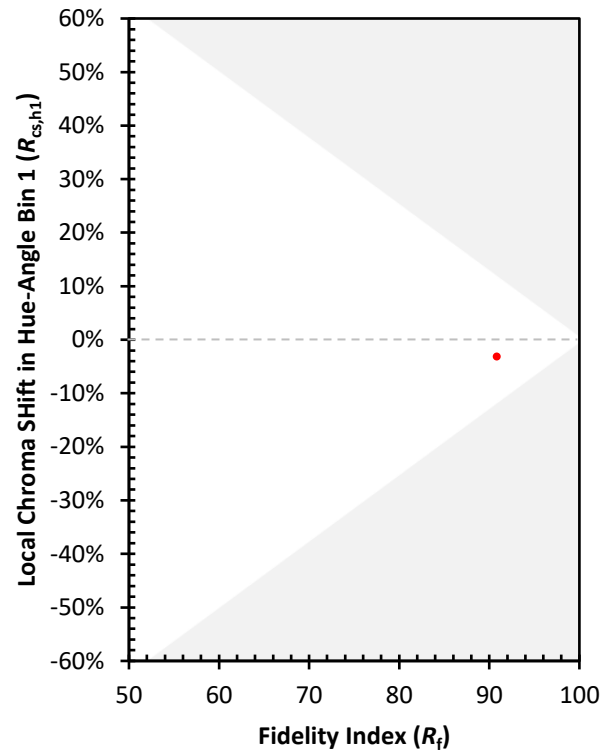
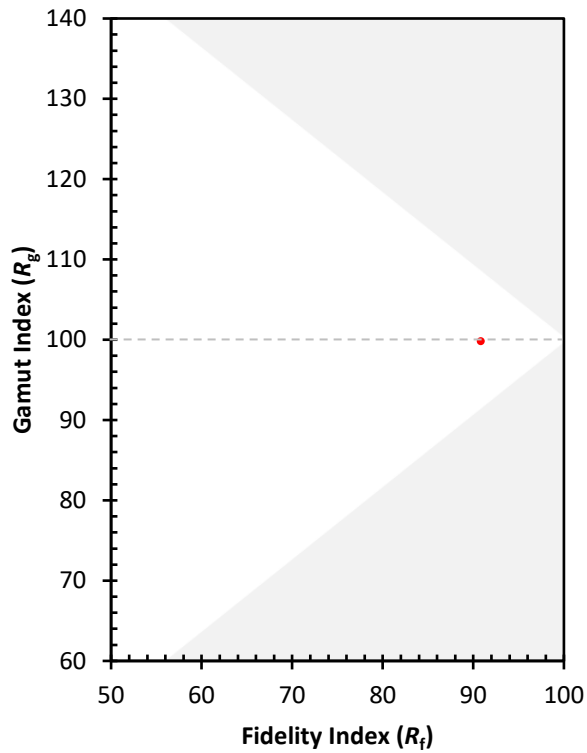
CES01 = 85	CES26 = 95	CES51 = 95	CES76 = 86
CES02 = 60	CES27 = 88	CES52 = 99	CES77 = 87
CES03 = 31	CES28 = 95	CES53 = 97	CES78 = 83
CES04 = 68	CES29 = 95	CES54 = 90	CES79 = 95
CES05 = 48	CES30 = 84	CES55 = 88	CES80 = 93
CES06 = 50	CES31 = 96	CES56 = 93	CES81 = 82
CES07 = 41	CES32 = 91	CES57 = 90	CES82 = 96
CES08 = 40	CES33 = 93	CES58 = 91	CES83 = 95
CES09 = 29	CES34 = 93	CES59 = 97	CES84 = 92
CES10 = 73	CES35 = 95	CES60 = 90	CES85 = 82
CES11 = 55	CES36 = 75	CES61 = 91	CES86 = 89
CES12 = 62	CES37 = 93	CES62 = 79	CES87 = 93
CES13 = 42	CES38 = 79	CES63 = 89	CES88 = 97
CES14 = 74	CES39 = 98	CES64 = 86	CES89 = 88
CES15 = 71	CES40 = 99	CES65 = 87	CES90 = 94
CES16 = 47	CES41 = 93	CES66 = 82	CES91 = 69
CES17 = 48	CES42 = 92	CES67 = 81	CES92 = 81
CES18 = 56	CES43 = 95	CES68 = 86	CES93 = 87
CES19 = 70	CES44 = 99	CES69 = 86	CES94 = 81
CES20 = 65	CES45 = 97	CES70 = 84	CES95 = 83
CES21 = 84	CES46 = 99	CES71 = 75	CES96 = 94
CES22 = 77	CES47 = 93	CES72 = 92	CES97 = 96
CES23 = 91	CES48 = 87	CES73 = 79	CES98 = 97
CES24 = 89	CES49 = 98	CES74 = 89	CES99 = 95
CES25 = 70	CES50 = 97	CES75 = 78	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)