

Signify Classified - Internal  
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: STREETWORKS

Report Number: P856296

Luminaire Tested: **FFX-CLB-40-727-U-FG**

Issue Date: 07/16/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P856296  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 07/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: FFX-CLB-40-727-U-FG  
Description: FAIRFAX POST TOP FIXTURE w/ FROSTED GLOBE  
Light Source: (6) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

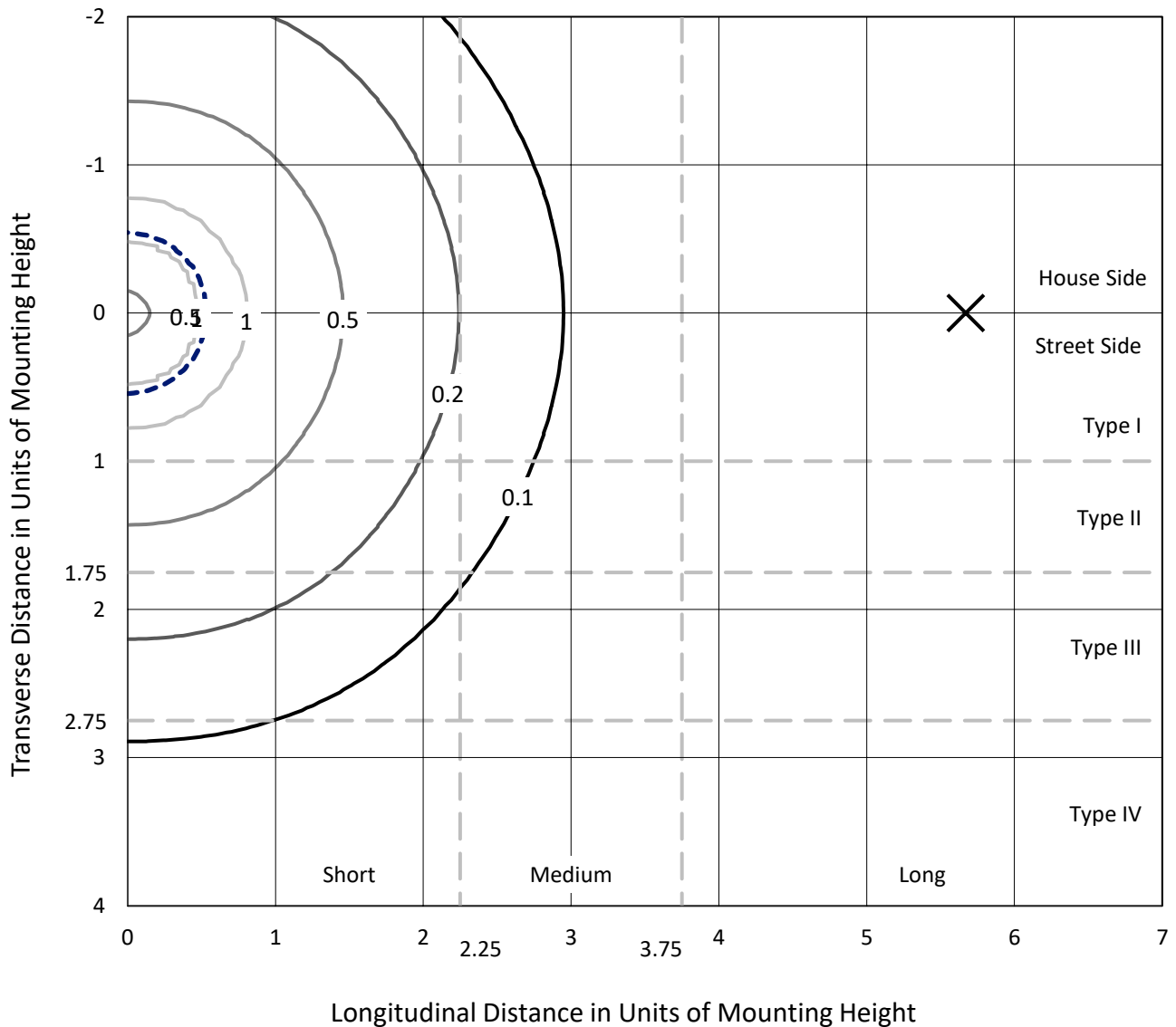
Lumens per Lamp: N/A  
Luminaire Lumens: 6164.9 lumens  
Efficiency: N/A  
Efficacy: 156.9 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 1.5')  
IES Classification: Type V - Short  
BUG Rating: B2 - U5 - G3

Input Watts (W): 39.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.99  
Total Harmonic Distortion (THDi): 8.2%%  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Iso-Footcandle Lines of Horizontal Illumination

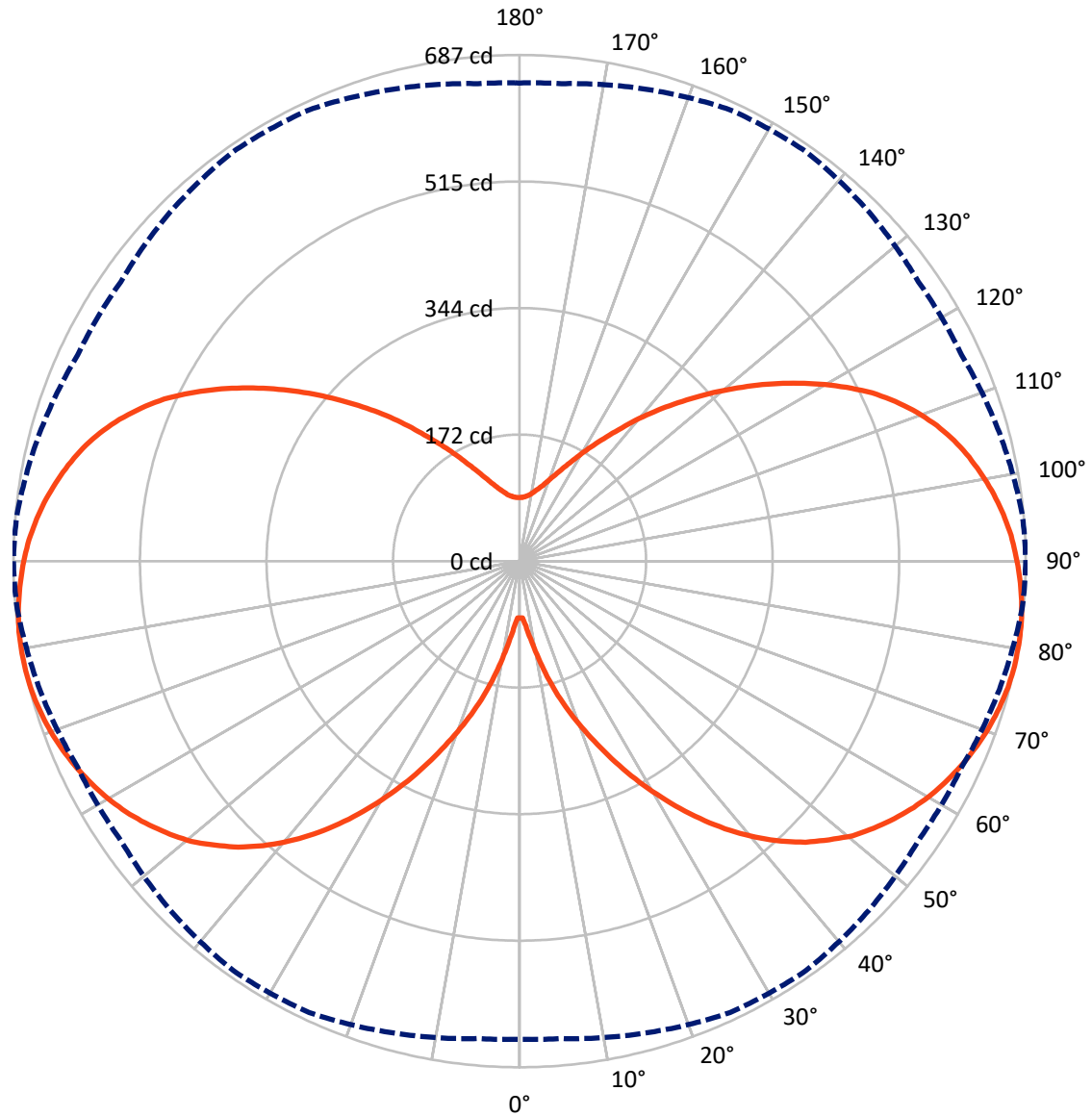
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral    - - - Horizontal Cone Through 80-Deg Vertical

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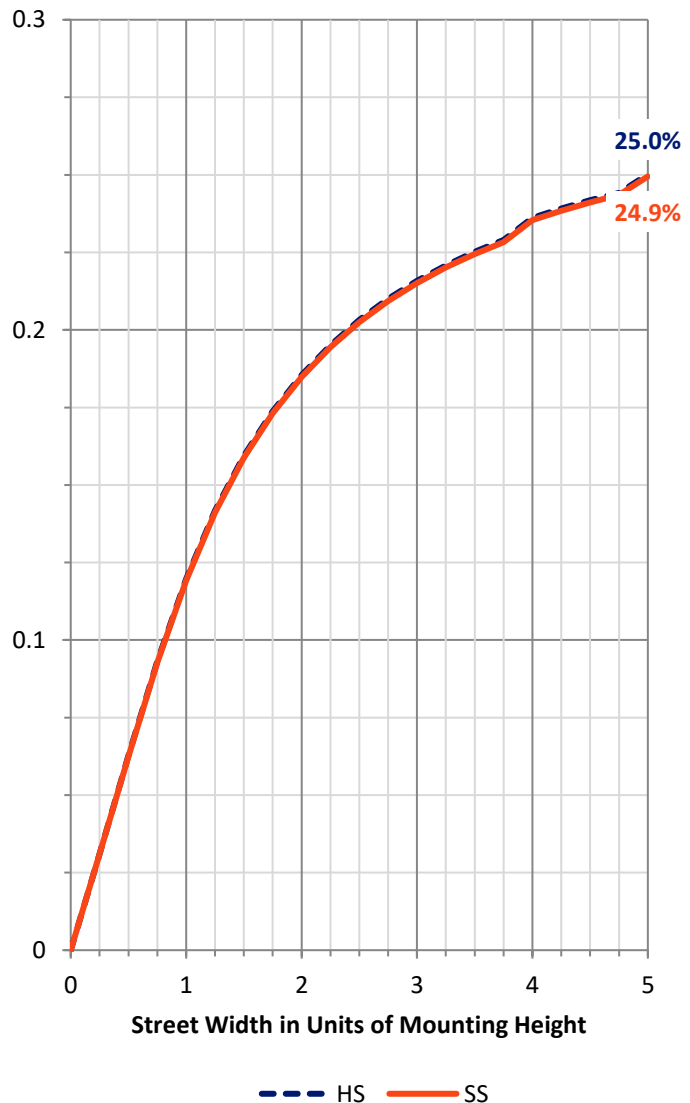
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1754.0	1328.5	3082.4
	% Fixture	28.5	21.5	50.0
<b>Street Side</b>	Lumens	1754.0	1328.5	3082.4
	% Fixture	28.5	21.5	50.0
<b>Total</b>	Lumens	3507.9	2656.9	6164.9
	% Fixture	56.9	43.1	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.8	0.2
10°-20°	53.8	0.9
20°-30°	141.4	2.3
30°-40°	270.4	4.4
40°-50°	415.7	6.7
50°-60°	544.6	8.8
60°-70°	642.7	10.4
70°-80°	705.1	11.4
80°-90°	724.4	11.8
90°-100°	697.9	11.3
100°-110°	625.8	10.2
110°-120°	508.5	8.2
120°-130°	363.4	5.9
130°-140°	229.8	3.7
140°-150°	128.7	2.1
150°-160°	64.8	1.1
160°-170°	29.4	0.5
170°-180°	8.5	0.1
0°-90°	3507.9	56.9
0°-180°	6164.9	100.0



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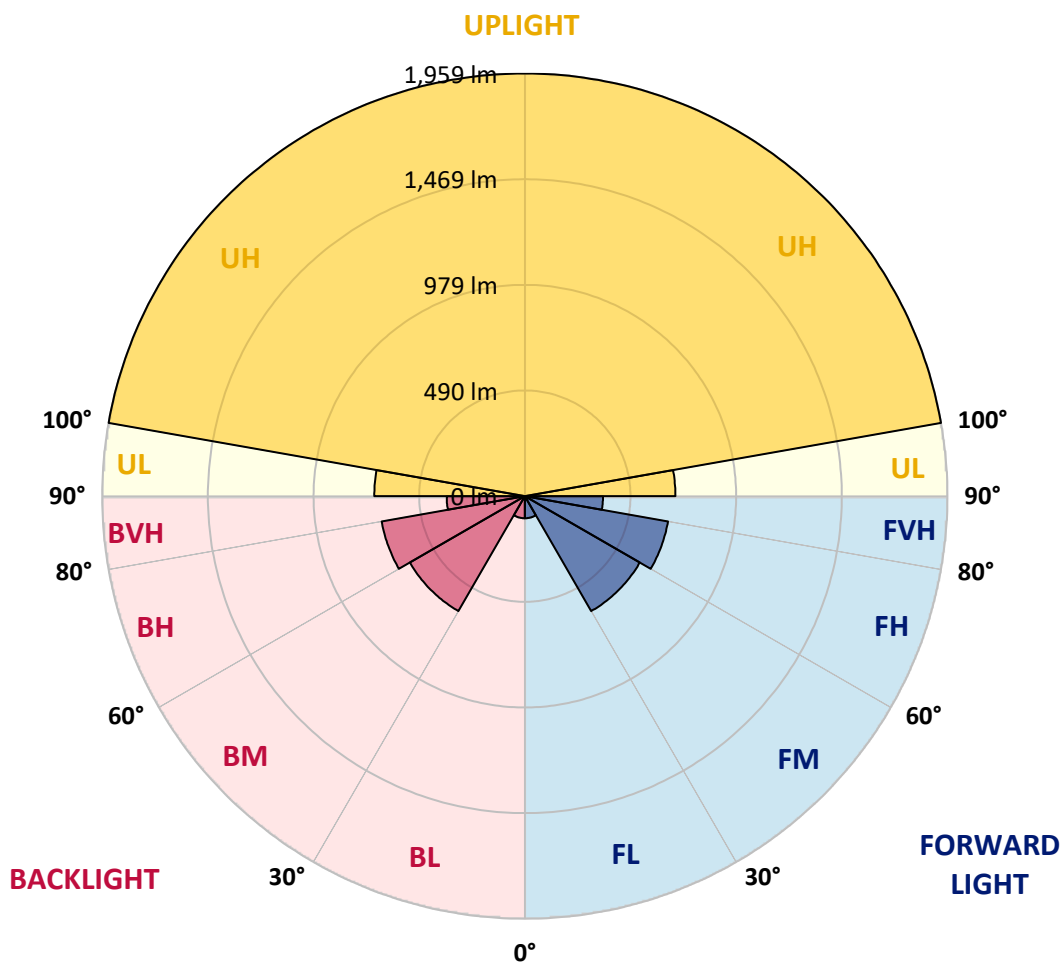
CATALOG NUMBER: FFX-CLB-40-727-U-FG

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	102.5	1.7			
FM (30°-60°)	615.3	10.0			
FH (60°-80°)	673.9	10.9			G1/1800
FVH (80°-90°)	362.2	5.9			G3/500
BL (0°-30°)	102.5	1.7	B0/110		
BM (30°-60°)	615.3	10.0	B1/1000		
BH (60°-80°)	673.9	10.9	B2/1000		G1/1800
BVH (80°-90°)	362.2	5.9			G3/500
UL (90°-100°)	697.9	11.3		U4/1000	
UH (100°-180°)	1959.0	31.8		U5	

**BUG Rating: B2-U5-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
2.5°	81.2	81.2	80.8	80.0	79.7	79.3	78.5	77.4	77.0	77.0	77.0
5°	88.4	88.8	88.8	88.4	88.8	88.0	88.0	87.3	87.6	87.6	88.0
7.5°	106.2	106.2	106.6	106.6	107.0	106.2	106.6	106.2	106.6	106.6	106.2
10°	129.4	129.4	130.1	129.4	129.7	129.0	128.6	128.6	129.7	129.4	129.0
12.5°	155.5	156.3	155.9	155.5	156.3	155.5	154.8	155.2	156.7	155.9	155.5
15°	183.2	184.0	184.8	183.6	184.0	183.6	183.2	183.6	185.1	184.4	184.0
17.5°	211.3	211.7	212.5	210.9	211.3	211.7	211.3	211.7	212.8	212.5	212.1
20°	239.4	240.1	240.9	239.4	239.8	240.1	239.8	240.1	241.7	240.9	240.5
22.5°	269.0	269.4	270.9	269.0	269.7	270.1	269.4	270.1	271.6	270.9	270.5
25°	299.7	299.3	301.6	300.1	300.5	301.2	300.5	301.2	303.1	303.1	302.0
27.5°	331.2	331.2	333.1	332.0	332.7	332.3	333.1	333.9	335.8	336.1	335.0
30°	362.7	362.7	365.7	363.8	365.0	365.3	365.3	366.1	368.4	369.1	367.6
32.5°	394.2	394.2	395.7	396.1	396.8	397.2	398.0	398.0	401.0	401.4	400.6
35°	424.9	424.9	426.4	427.2	429.1	428.3	429.5	429.5	432.9	433.3	432.9
37.5°	454.1	454.5	456.4	457.2	458.7	458.7	459.4	460.2	463.2	464.4	464.0
40°	481.8	482.6	484.1	485.6	487.1	487.1	487.5	488.6	492.1	493.2	492.8
42.5°	506.9	507.2	509.5	511.8	513.3	513.3	513.7	514.4	518.2	519.8	519.8
45°	528.9	530.0	533.0	536.1	537.6	537.2	537.2	538.3	542.5	544.4	544.4
47.5°	549.3	550.9	554.3	557.3	558.8	558.8	558.4	559.6	564.1	566.4	565.3
50°	567.6	568.7	572.5	577.0	578.2	578.2	577.0	578.2	583.1	586.1	586.1
52.5°	582.7	583.9	588.4	593.4	594.9	594.5	593.0	594.1	599.0	602.5	602.1
55°	595.6	597.1	602.1	608.1	609.7	608.5	606.6	607.8	613.1	617.6	617.3
57.5°	607.4	608.5	614.2	620.7	622.9	621.0	618.4	619.5	625.6	630.5	630.9
60°	617.3	618.4	624.8	632.4	634.3	632.0	628.6	629.8	636.6	642.3	643.0
62.5°	625.6	626.7	633.9	642.3	644.9	641.5	637.4	638.5	646.1	652.5	652.9
65°	632.4	633.6	641.9	650.6	653.3	649.5	644.6	645.7	654.1	661.3	662.0
67.5°	637.7	639.3	648.7	658.2	660.5	655.9	650.3	651.4	660.5	668.8	669.6
70°	642.3	644.2	654.1	664.3	666.9	661.6	654.8	656.3	666.6	674.9	676.1
72.5°	645.7	647.6	658.2	669.2	672.3	665.8	658.2	659.7	670.7	679.8	681.0
75°	648.0	649.9	661.3	673.0	675.7	668.8	660.5	662.0	673.4	683.3	684.8
77.5°	649.1	651.0	663.2	675.3	678.0	670.0	661.3	662.8	674.5	685.2	686.7
80°	649.1	650.6	663.2	676.1	678.3	670.4	660.9	662.0	674.2	685.5	687.1
82.5°	648.0	649.5	662.4	675.3	677.6	668.8	659.0	660.5	673.0	684.4	686.3
85°	645.3	646.8	659.7	673.0	675.3	665.8	655.6	657.1	669.6	681.7	683.6
87.5°	641.5	643.4	655.9	669.2	671.1	661.3	651.4	652.2	665.4	678.0	679.5
90°	637.0	638.9	650.6	663.9	665.8	655.9	645.7	646.8	659.7	672.6	674.2
92.5°	631.7	633.2	644.6	656.7	659.0	648.7	638.9	640.4	653.3	666.2	668.1
95°	624.8	626.0	636.6	648.0	649.9	640.8	630.9	632.4	645.3	657.8	659.7
97.5°	616.5	617.3	626.7	637.0	639.3	630.5	621.4	622.9	635.5	648.0	650.3
100°	607.0	607.4	615.7	624.5	626.4	619.1	610.8	612.7	624.5	637.4	638.9
102.5°	596.0	596.0	602.8	610.0	612.3	606.2	599.0	600.9	612.3	624.5	626.4
105°	583.9	582.7	587.7	593.4	596.0	591.5	586.1	587.7	598.3	610.0	612.3
107.5°	568.7	567.6	571.0	575.9	578.6	575.1	571.0	573.2	582.3	593.4	595.6
110°	551.6	550.1	551.6	555.4	558.4	556.2	553.9	555.8	564.5	574.8	576.3



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 CATALOG NUMBER: FFX-CLB-40-727-U-FG

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	531.9	530.0	530.4	533.0	535.7	535.3	533.8	536.8	544.0	552.4	554.3
115°	509.1	507.2	506.1	507.6	509.9	511.4	512.9	514.8	520.5	527.3	530.4
117.5°	485.2	482.2	480.3	480.3	483.0	485.6	488.3	490.9	494.7	501.2	502.3
120°	457.5	455.6	453.0	453.0	455.3	457.9	462.1	465.1	467.4	471.9	473.5
122.5°	430.2	427.6	424.9	424.9	426.4	430.2	435.9	438.6	439.7	442.4	443.5
125°	402.5	399.5	396.5	396.5	398.0	401.8	408.2	410.5	411.2	412.4	413.5
127.5°	374.4	371.4	368.8	367.6	369.9	372.9	379.4	382.4	382.8	382.8	383.6
130°	346.4	344.1	341.4	340.3	342.6	345.2	352.4	355.5	354.0	354.0	354.3
132.5°	319.8	317.5	314.9	314.1	315.6	319.1	325.5	328.2	327.0	325.5	325.9
135°	294.0	292.1	288.7	288.3	290.6	292.1	298.2	300.8	299.7	298.2	298.6
137.5°	269.4	267.5	264.4	264.0	266.3	268.2	272.8	275.4	273.9	272.4	272.8
140°	245.8	243.6	241.3	240.9	242.4	244.3	248.5	250.0	248.5	247.4	247.7
142.5°	223.8	222.3	219.7	219.7	220.4	221.9	225.4	226.9	225.4	223.8	223.1
145°	203.0	201.1	199.6	199.2	199.9	201.5	203.7	205.2	203.7	202.6	201.8
147.5°	184.4	182.9	181.3	181.3	181.7	182.9	184.8	185.1	184.0	183.2	182.5
150°	167.3	165.8	165.0	164.7	165.0	165.4	166.9	167.7	166.5	165.8	165.0
152.5°	151.8	150.6	149.9	150.2	150.2	150.6	151.0	151.4	150.2	150.2	149.5
155°	138.1	137.3	136.6	137.0	137.0	137.0	137.3	137.3	136.6	136.6	136.2
157.5°	126.7	126.0	125.6	126.0	126.0	125.6	126.0	126.0	125.2	125.2	124.8
160°	116.8	116.1	116.1	116.1	116.1	115.7	116.5	116.1	115.7	115.3	115.3
162.5°	108.9	108.1	108.1	108.5	108.1	108.1	108.1	108.1	107.7	107.7	107.4
165°	102.4	101.7	101.7	102.1	101.7	101.7	101.7	101.7	101.3	101.3	101.3
167.5°	97.1	96.7	96.7	96.7	96.7	96.4	96.7	96.7	96.4	96.4	96.4
170°	92.9	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.2	92.2
172.5°	90.3	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.5	89.5	89.5
175°	88.4	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	87.6	87.6
177.5°	87.3	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.5	86.5
180°	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5



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



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

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2406-133-3

Test Date: 07/12/2024

Luminaire Tested: FFX-CLB-100-727-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-727-U-FR-T5.

**Test Information**

Test Method: LM-79-2019  
 Report Number: SP1-2406-133-3  
 Test Lab: COOPER LIGHTING SOLUTIONS  
 Photometer: SP1 - 76IN SPHERE  
 Measurement Geometry: 4π  
 Issue Date: 07/12/2024  
 Manufacturer: COOPER LIGHTING SOLUTIONS  
 Product Line: Streetworks  
 Catalog Number: **FFX-CLB-100-727-U-FR-T5**  
 Description: FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

**Spectral Parameters**

CCT (K): 2707  
 CIE u': 0.2624  
 CIE v': 0.5261  
 Duv: -0.0007  
 CIE x: 0.4580  
 CIE y: 0.4082  
 CIE z: 0.1338  
 Peak Wavelength (nm): 599  
 Dominant Wavelength (nm): 584  
 Purity: 59.99901  
 Rf: 75.5  
 Rg: 92.5

CRI (Ra):	71.3		
R1:	67.8	R9:	-34.9
R2:	84.5	R10:	65.1
R3:	94.2	R11:	59.2
R4:	64.8	R12:	54.2
R5:	66.9	R13:	71.2
R6:	79.2	R14:	97.5
R7:	74.4	R15:	59.4
R8:	38.8		



**Test Conditions**

Stabilization Time: 0.813602M  
 Operation Time: 1H  
 Sphere Temperature (°C): 24.7

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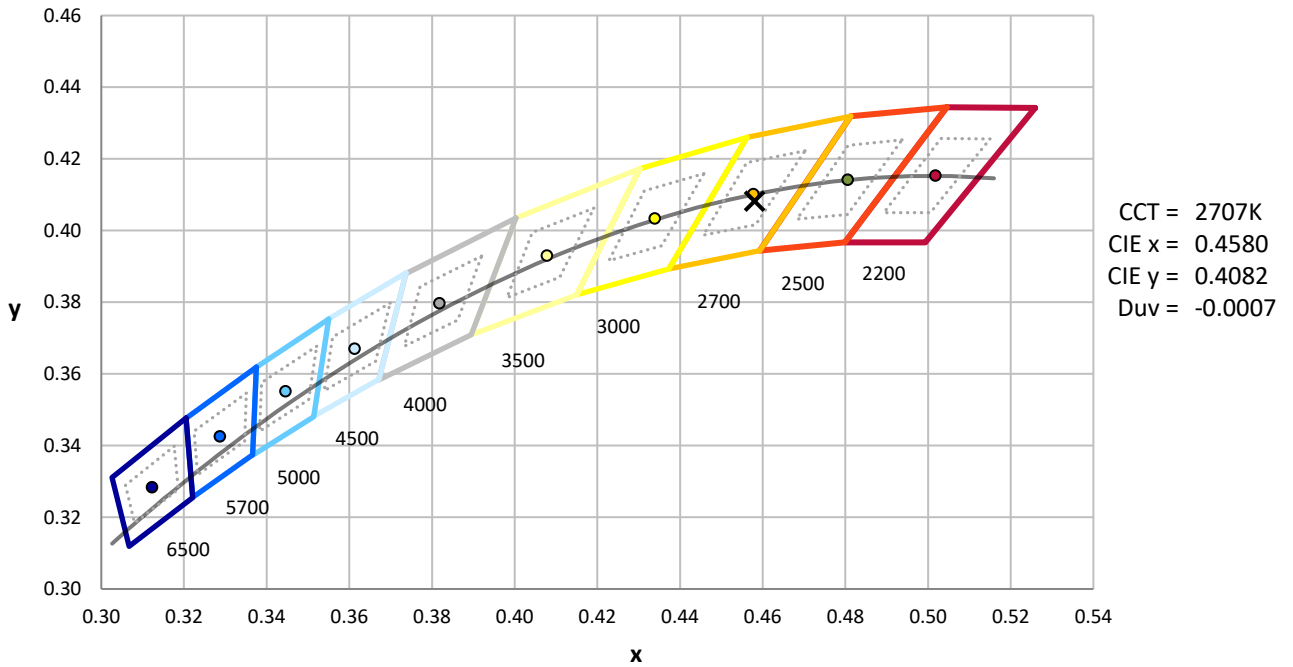
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

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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 2700K 4-step quadrangle

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**Photopic Flux vs. Wavelength**



**Photopic Lumens: NR**

λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	105	NR	620	849	NR	750	23	NR	880	1	NR
365	0	NR	495	124	NR	625	789	NR	755	20	NR	885	0	NR
370	0	NR	500	156	NR	630	727	NR	760	17	NR	890	0	NR
375	0	NR	505	200	NR	635	659	NR	765	15	NR	895	0	NR
380	0	NR	510	245	NR	640	595	NR	770	13	NR	900	0	NR
385	0	NR	515	290	NR	645	531	NR	775	11	NR	905	0	NR
390	0	NR	520	330	NR	650	472	NR	780	9	NR	910	0	NR
395	0	NR	525	363	NR	655	417	NR	785	8	NR	915	0	NR
400	0	NR	530	395	NR	660	364	NR	790	7	NR	920	0	NR
405	2	NR	535	424	NR	665	317	NR	795	6	NR	925	0	NR
410	5	NR	540	454	NR	670	274	NR	800	5	NR	930	0	NR
415	11	NR	545	490	NR	675	237	NR	805	4	NR	935	0	NR
420	21	NR	550	530	NR	680	206	NR	810	4	NR	940	0	NR
425	38	NR	555	579	NR	685	176	NR	815	3	NR	945	0	NR
430	63	NR	560	635	NR	690	152	NR	820	3	NR	950	0	NR
435	99	NR	565	697	NR	695	129	NR	825	3	NR	955	0	NR
440	150	NR	570	765	NR	700	111	NR	830	2	NR	960	0	NR
445	233	NR	575	834	NR	705	95	NR	835	2	NR	965	0	NR
450	372	NR	580	897	NR	710	81	NR	840	2	NR	970	0	NR
455	454	NR	585	948	NR	715	69	NR	845	1	NR	975	0	NR
460	345	NR	590	982	NR	720	59	NR	850	1	NR	980	0	NR
465	235	NR	595	998	NR	725	50	NR	855	1	NR	985	0	NR
470	187	NR	600	1000	NR	730	43	NR	860	1	NR	990	0	NR
475	141	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	107	NR	610	949	NR	740	31	NR	870	1	NR	1000	0	NR
485	99	NR	615	902	NR	745	27	NR	875	1	NR			

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**Scotopic Flux vs. Wavelength**



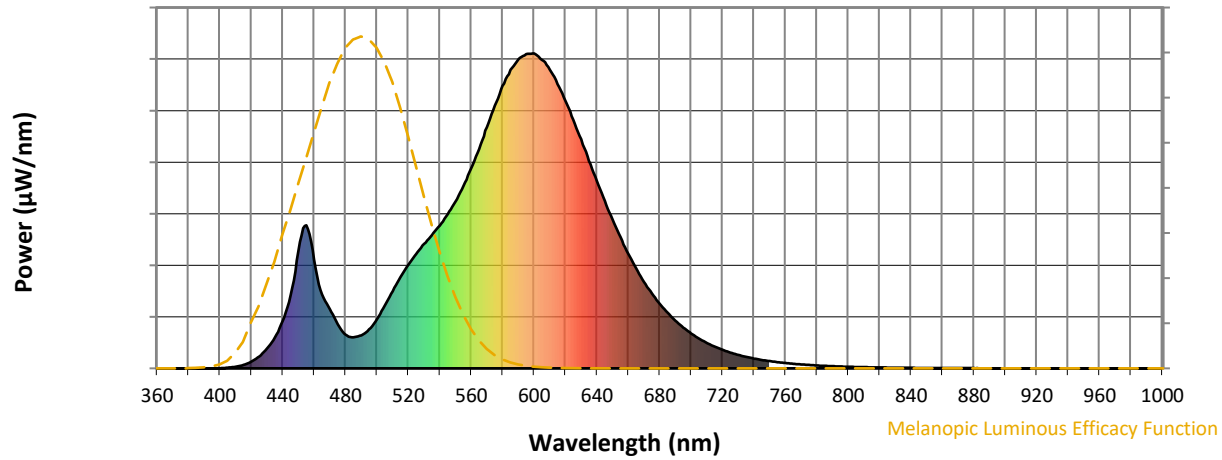
**Scotopic Lumens: NR**

**S/P: 1.12**

λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	105	NR	620	849	NR	750	23	NR	880	1	NR
365	0	NR	495	124	NR	625	789	NR	755	20	NR	885	0	NR
370	0	NR	500	156	NR	630	727	NR	760	17	NR	890	0	NR
375	0	NR	505	200	NR	635	659	NR	765	15	NR	895	0	NR
380	0	NR	510	245	NR	640	595	NR	770	13	NR	900	0	NR
385	0	NR	515	290	NR	645	531	NR	775	11	NR	905	0	NR
390	0	NR	520	330	NR	650	472	NR	780	9	NR	910	0	NR
395	0	NR	525	363	NR	655	417	NR	785	8	NR	915	0	NR
400	0	NR	530	395	NR	660	364	NR	790	7	NR	920	0	NR
405	2	NR	535	424	NR	665	317	NR	795	6	NR	925	0	NR
410	5	NR	540	454	NR	670	274	NR	800	5	NR	930	0	NR
415	11	NR	545	490	NR	675	237	NR	805	4	NR	935	0	NR
420	21	NR	550	530	NR	680	206	NR	810	4	NR	940	0	NR
425	38	NR	555	579	NR	685	176	NR	815	3	NR	945	0	NR
430	63	NR	560	635	NR	690	152	NR	820	3	NR	950	0	NR
435	99	NR	565	697	NR	695	129	NR	825	3	NR	955	0	NR
440	150	NR	570	765	NR	700	111	NR	830	2	NR	960	0	NR
445	233	NR	575	834	NR	705	95	NR	835	2	NR	965	0	NR
450	372	NR	580	897	NR	710	81	NR	840	2	NR	970	0	NR
455	454	NR	585	948	NR	715	69	NR	845	1	NR	975	0	NR
460	345	NR	590	982	NR	720	59	NR	850	1	NR	980	0	NR
465	235	NR	595	998	NR	725	50	NR	855	1	NR	985	0	NR
470	187	NR	600	1000	NR	730	43	NR	860	1	NR	990	0	NR
475	141	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	107	NR	610	949	NR	740	31	NR	870	1	NR	1000	0	NR
485	99	NR	615	902	NR	745	27	NR	875	1	NR			

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**Melanopic Flux vs. Wavelength**



**Melanopic Lumens: NR**

**M/P: 2.03**

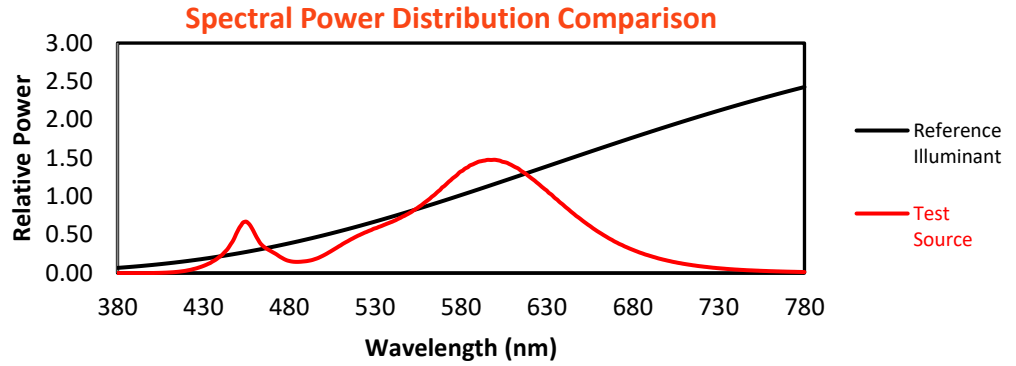
λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	105	NR	620	849	NR	750	23	NR	880	1	NR
365	0	NR	495	124	NR	625	789	NR	755	20	NR	885	0	NR
370	0	NR	500	156	NR	630	727	NR	760	17	NR	890	0	NR
375	0	NR	505	200	NR	635	659	NR	765	15	NR	895	0	NR
380	0	NR	510	245	NR	640	595	NR	770	13	NR	900	0	NR
385	0	NR	515	290	NR	645	531	NR	775	11	NR	905	0	NR
390	0	NR	520	330	NR	650	472	NR	780	9	NR	910	0	NR
395	0	NR	525	363	NR	655	417	NR	785	8	NR	915	0	NR
400	0	NR	530	395	NR	660	364	NR	790	7	NR	920	0	NR
405	2	NR	535	424	NR	665	317	NR	795	6	NR	925	0	NR
410	5	NR	540	454	NR	670	274	NR	800	5	NR	930	0	NR
415	11	NR	545	490	NR	675	237	NR	805	4	NR	935	0	NR
420	21	NR	550	530	NR	680	206	NR	810	4	NR	940	0	NR
425	38	NR	555	579	NR	685	176	NR	815	3	NR	945	0	NR
430	63	NR	560	635	NR	690	152	NR	820	3	NR	950	0	NR
435	99	NR	565	697	NR	695	129	NR	825	3	NR	955	0	NR
440	150	NR	570	765	NR	700	111	NR	830	2	NR	960	0	NR
445	233	NR	575	834	NR	705	95	NR	835	2	NR	965	0	NR
450	372	NR	580	897	NR	710	81	NR	840	2	NR	970	0	NR
455	454	NR	585	948	NR	715	69	NR	845	1	NR	975	0	NR
460	345	NR	590	982	NR	720	59	NR	850	1	NR	980	0	NR
465	235	NR	595	998	NR	725	50	NR	855	1	NR	985	0	NR
470	187	NR	600	1000	NR	730	43	NR	860	1	NR	990	0	NR
475	141	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	107	NR	610	949	NR	740	31	NR	870	1	NR	1000	0	NR
485	99	NR	615	902	NR	745	27	NR	875	1	NR			

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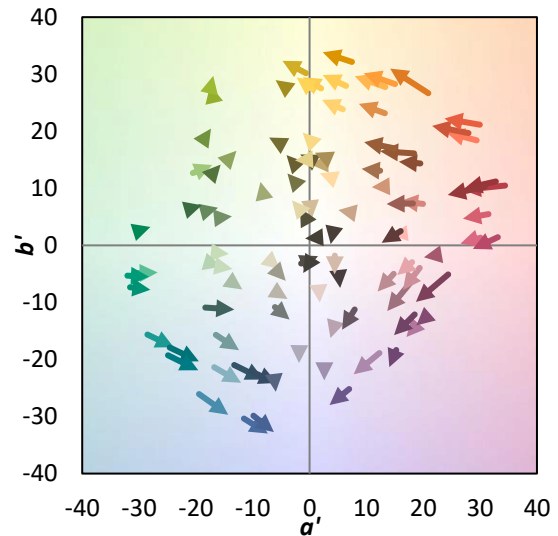
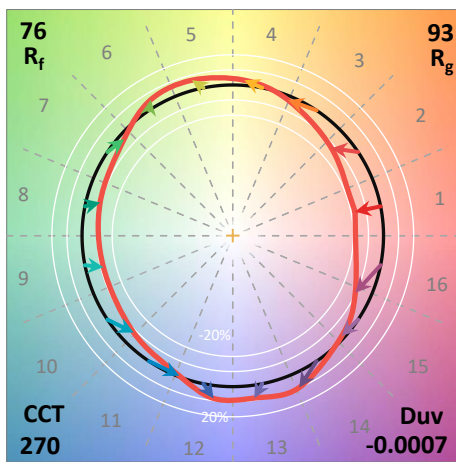
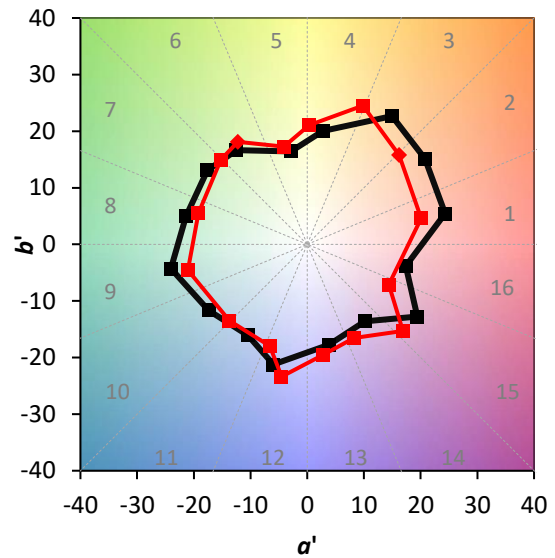
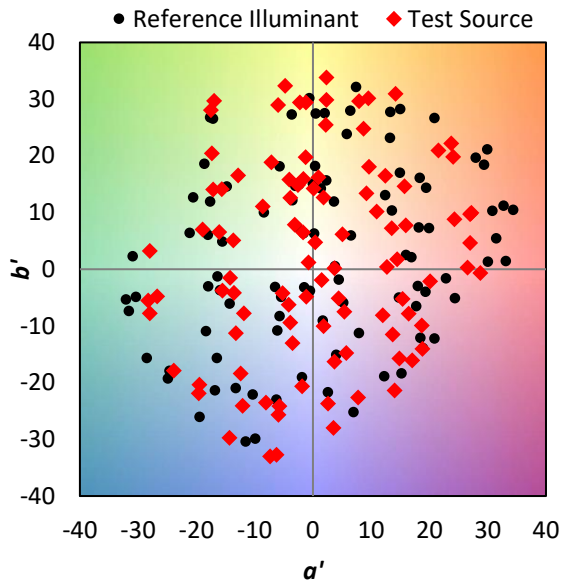
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**Summary**

$R_f = 75.5$   
 $R_g = 92.5$   
 CIE  $R_a = 71.3$   
 $R_9 = -34.9$



**Color Vector Graphics**





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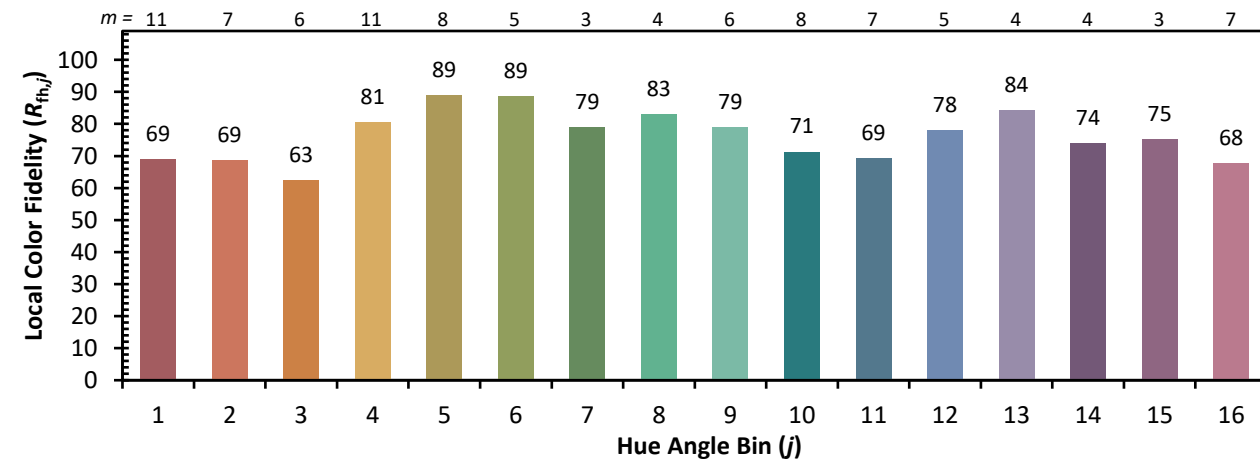
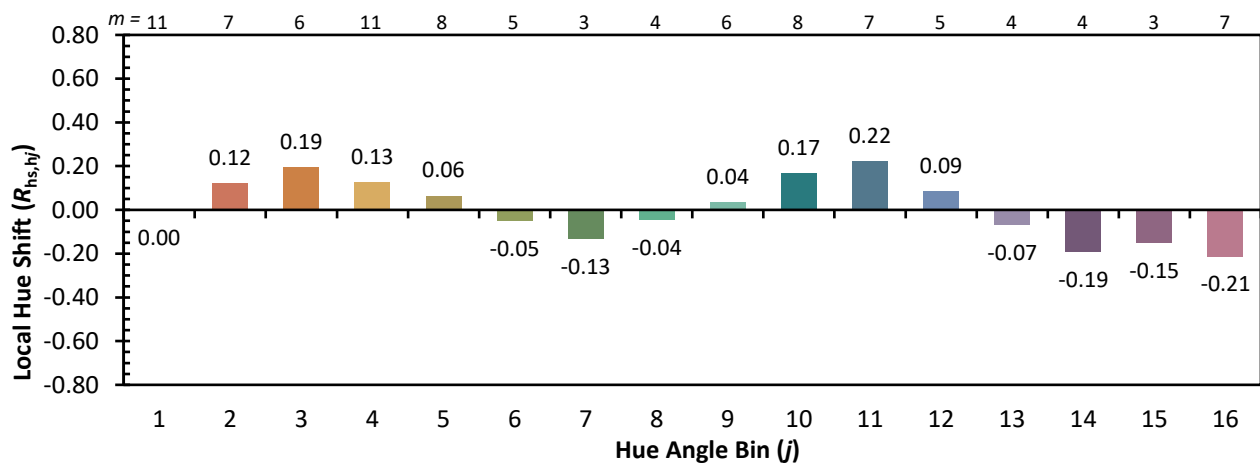
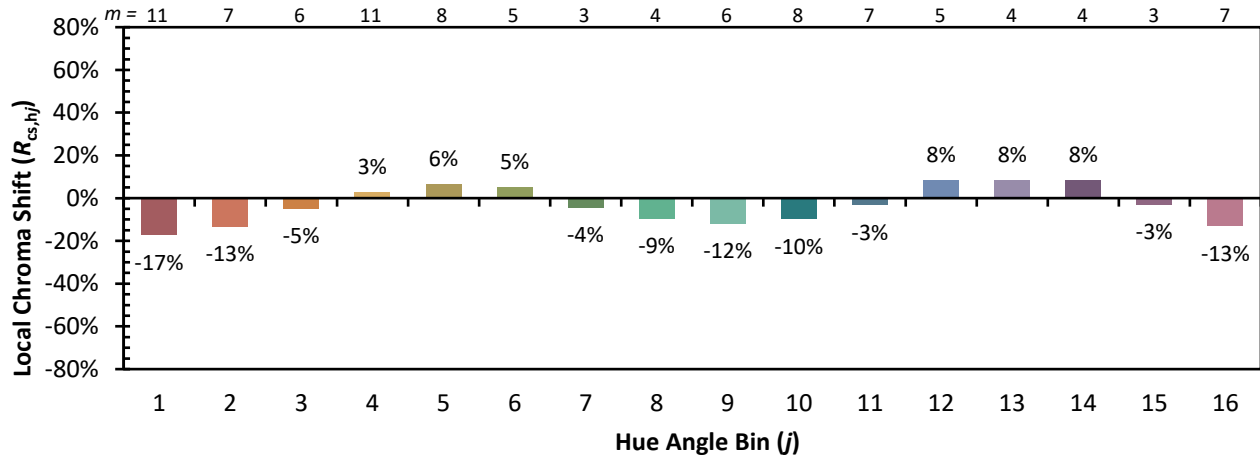
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**Individual Sample Fidelity Index ( $R_{f,i}$ )**

CES01 = 86	CES26 = 69	CES51 = 86	CES76 = 64
CES02 = 63	CES27 = 91	CES52 = 83	CES77 = 79
CES03 = 31	CES28 = 87	CES53 = 77	CES78 = 68
CES04 = 71	CES29 = 75	CES54 = 85	CES79 = 87
CES05 = 50	CES30 = 90	CES55 = 83	CES80 = 85
CES06 = 52	CES31 = 77	CES56 = 75	CES81 = 67
CES07 = 42	CES32 = 68	CES57 = 73	CES82 = 93
CES08 = 41	CES33 = 85	CES58 = 74	CES83 = 91
CES09 = 29	CES34 = 80	CES59 = 84	CES84 = 89
CES10 = 77	CES35 = 89	CES60 = 89	CES85 = 71
CES11 = 60	CES36 = 90	CES61 = 80	CES86 = 59
CES12 = 66	CES37 = 88	CES62 = 87	CES87 = 77
CES13 = 43	CES38 = 99	CES63 = 78	CES88 = 80
CES14 = 74	CES39 = 97	CES64 = 64	CES89 = 65
CES15 = 72	CES40 = 94	CES65 = 66	CES90 = 81
CES16 = 48	CES41 = 96	CES66 = 60	CES91 = 78
CES17 = 51	CES42 = 90	CES67 = 58	CES92 = 54
CES18 = 57	CES43 = 80	CES68 = 66	CES93 = 71
CES19 = 73	CES44 = 99	CES69 = 76	CES94 = 48
CES20 = 67	CES45 = 85	CES70 = 63	CES95 = 66
CES21 = 88	CES46 = 82	CES71 = 60	CES96 = 76
CES22 = 80	CES47 = 90	CES72 = 86	CES97 = 80
CES23 = 92	CES48 = 75	CES73 = 57	CES98 = 75
CES24 = 91	CES49 = 80	CES74 = 92	CES99 = 64
CES25 = 73	CES50 = 86	CES75 = 66	



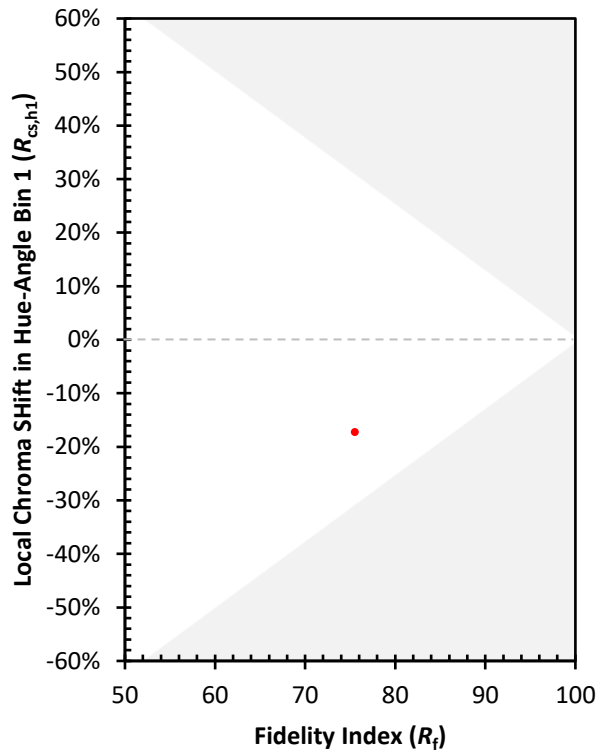
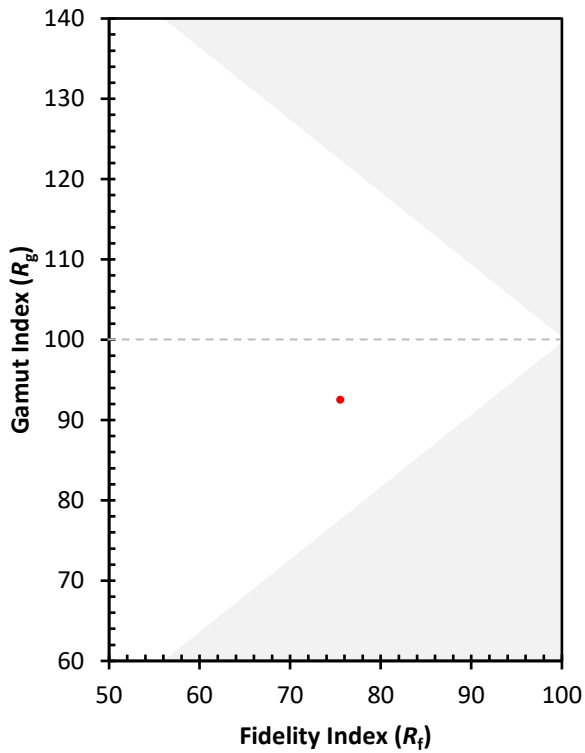
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)