

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: P856359

Luminaire Tested: **FFX-CLB-40-740-U-VM8**

Issue Date: 07/16/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P856359  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 07/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: FFX-CLB-40-740-U-VM8  
Description: FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK  
Light Source: (6) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

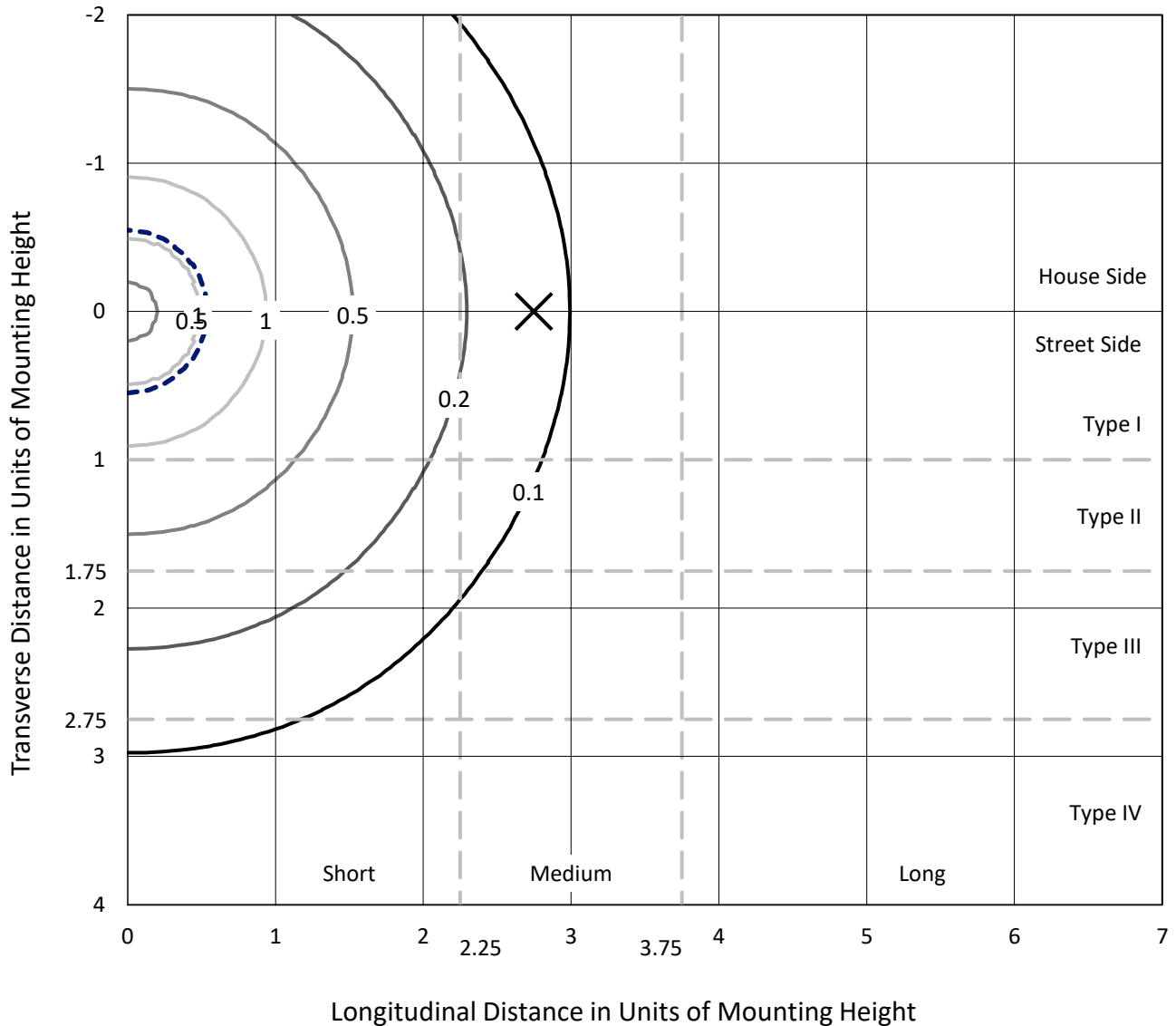
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6525.5 lumens  
Efficiency: N/A  
Efficacy: 166.0 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.08')  
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

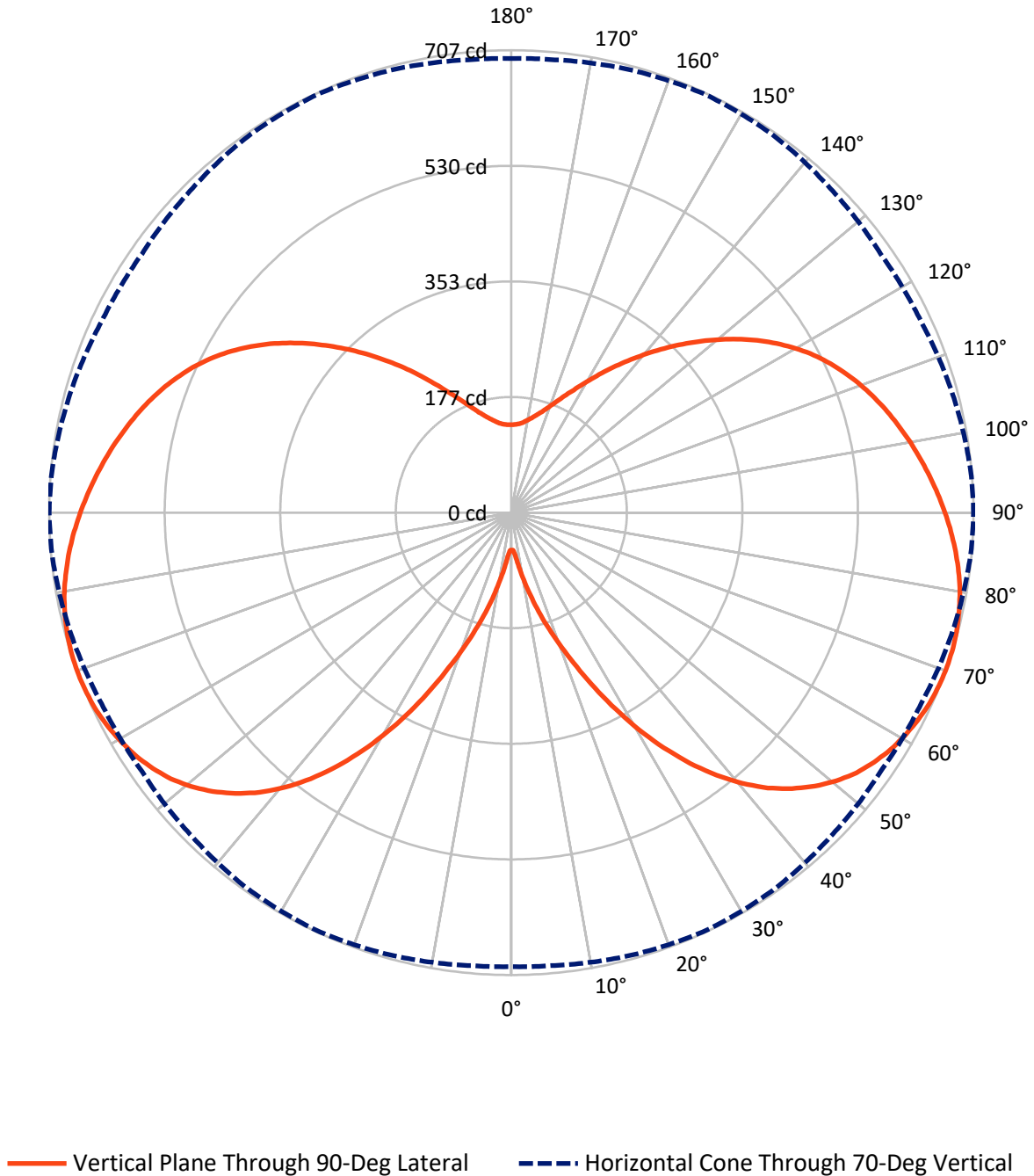
× Max cd  
 - - - 1/2 Max cd



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



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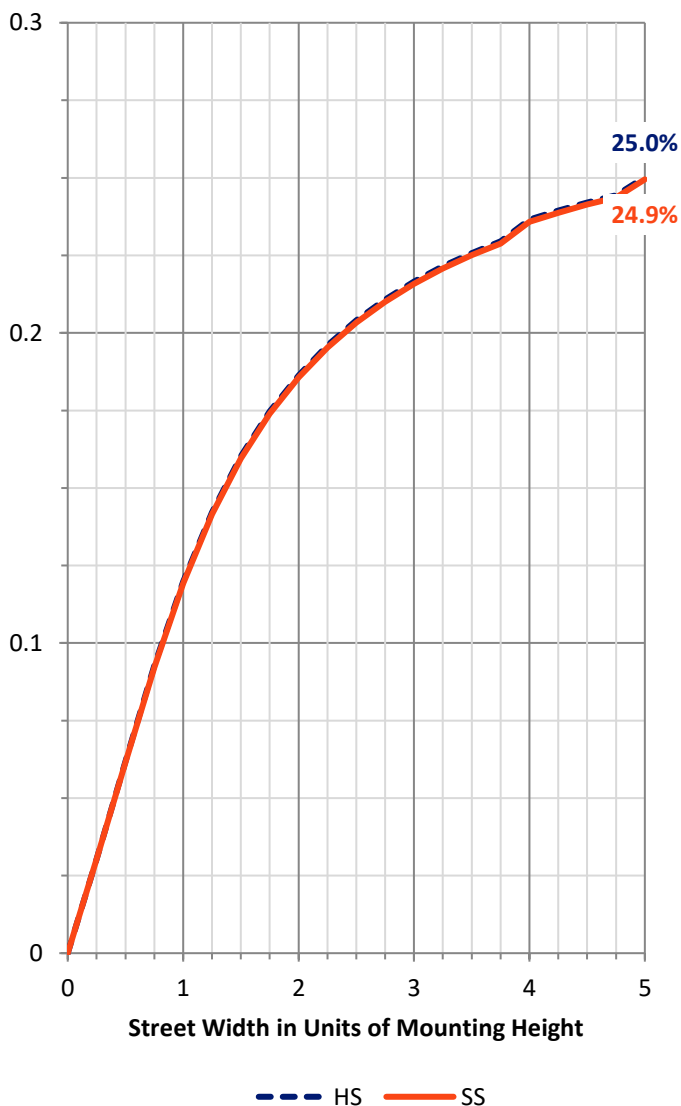
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1848.0	1414.8	3262.8
	% Fixture	28.3	21.7	50.0
<b>Street Side</b>	Lumens	1848.0	1414.8	3262.8
	% Fixture	28.3	21.7	50.0
<b>Total</b>	Lumens	3695.9	2829.6	6525.5
	% Fixture	56.6	43.4	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.7	0.1
10°-20°	46.7	0.7
20°-30°	139.4	2.1
30°-40°	291.5	4.5
40°-50°	457.4	7.0
50°-60°	593.7	9.1
60°-70°	687.3	10.5
70°-80°	735.8	11.3
80°-90°	736.4	11.3
90°-100°	694.5	10.6
100°-110°	621.4	9.5
110°-120°	522.5	8.0
120°-130°	400.8	6.1
130°-140°	274.2	4.2
140°-150°	167.3	2.6
150°-160°	91.5	1.4
160°-170°	44.3	0.7
170°-180°	13.2	0.2
0°-90°	3695.9	56.6
0°-180°	6525.5	100.0



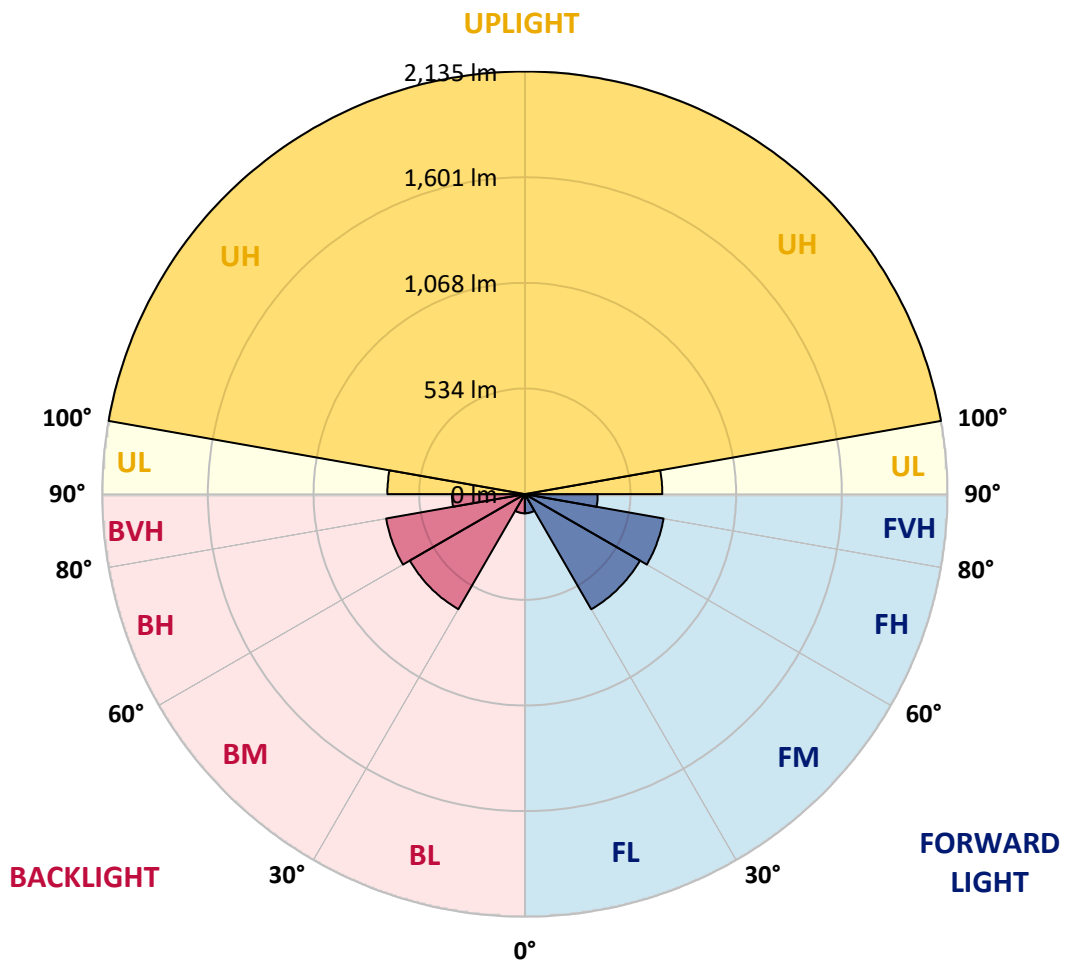
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	96.9	1.5			
FM (30°-60°)	671.3	10.3			
FH (60°-80°)	711.5	10.9			G1/1800
FVH (80°-90°)	368.2	5.6			G3/500
BL (0°-30°)	96.9	1.5	B0/110		
BM (30°-60°)	671.3	10.3	B1/1000		
BH (60°-80°)	711.5	10.9	B2/1000		G1/1800
BVH (80°-90°)	368.2	5.6			G3/500
UL (90°-100°)	694.5	10.6		U4/1000	
UH (100°-180°)	2135.1	32.7		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°	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
2.5°	59.8	59.8	59.4	59.4	59.0	58.5	58.5	58.5	58.1	58.1	57.7
5°	68.2	67.8	67.8	67.3	67.8	67.3	67.3	67.3	67.3	66.5	66.5
7.5°	84.5	84.1	84.1	83.6	84.5	83.6	83.6	84.1	84.1	83.6	83.6
10°	105.8	105.4	105.4	104.6	105.4	105.0	105.0	104.1	104.6	104.1	104.6
12.5°	131.3	130.1	130.1	129.6	130.5	130.1	129.6	128.8	129.6	129.2	129.2
15°	157.7	158.1	157.7	157.2	158.1	158.1	157.7	156.8	157.7	156.8	157.2
17.5°	186.9	186.9	186.9	185.7	186.9	187.4	186.9	186.1	186.5	186.9	186.9
20°	218.7	218.7	219.1	218.3	220.4	219.1	218.7	218.3	218.7	219.1	219.6
22.5°	253.9	253.9	254.3	253.9	255.1	255.1	254.7	254.7	255.1	255.9	255.9
25°	292.7	293.2	293.2	291.9	294.8	295.7	294.8	294.8	295.7	296.9	296.9
27.5°	332.9	334.6	333.7	333.7	337.5	337.9	337.5	337.9	339.2	340.4	340.8
30°	374.3	375.6	377.2	376.0	380.2	380.6	381.0	381.4	383.1	385.2	385.2
32.5°	415.7	417.0	417.8	417.8	423.2	422.8	422.4	424.1	426.6	427.4	428.7
35°	457.1	457.1	457.9	458.4	463.8	463.4	464.2	465.5	468.0	469.7	470.5
37.5°	494.3	493.5	495.6	496.4	500.6	501.0	501.4	503.5	506.5	508.5	509.4
40°	528.2	527.4	529.9	531.1	534.9	534.9	535.7	538.2	541.6	543.7	544.1
42.5°	558.3	557.9	560.4	562.1	565.8	565.4	565.0	568.4	572.1	574.6	575.5
45°	584.2	583.8	587.2	589.3	592.2	591.4	591.4	594.3	598.5	601.4	601.8
47.5°	606.4	606.4	610.2	612.7	615.2	613.9	613.1	616.0	620.2	624.4	624.8
50°	626.1	625.6	629.8	632.8	634.8	633.2	631.9	634.8	639.4	643.6	644.5
52.5°	641.5	642.4	646.6	650.3	652.0	649.5	647.4	650.3	655.3	659.9	660.8
55°	654.9	655.3	659.9	664.5	665.4	662.0	659.5	662.0	667.5	672.5	673.3
57.5°	665.4	666.2	671.6	675.8	676.3	672.5	669.6	671.6	677.5	682.5	683.8
60°	674.6	675.4	680.4	685.0	685.5	680.9	677.1	678.8	685.0	690.9	691.7
62.5°	681.7	682.9	688.4	692.6	692.6	687.1	682.5	684.2	690.9	697.2	698.0
65°	687.5	688.8	694.2	698.4	698.0	691.7	686.7	688.4	695.5	701.8	703.0
67.5°	691.7	692.6	698.4	702.6	700.9	694.2	689.2	690.5	698.0	704.3	705.5
70°	694.2	695.1	700.9	704.7	702.2	695.1	689.6	691.3	698.8	705.5	706.8
72.5°	695.5	696.7	702.2	705.5	702.6	694.7	688.8	690.9	698.4	705.5	706.4
75°	695.1	695.9	701.3	704.3	700.5	693.0	686.7	688.8	696.7	703.0	704.3
77.5°	693.0	693.8	698.8	701.3	696.7	689.2	683.4	685.5	693.0	699.3	700.5
80°	689.6	690.5	695.1	696.7	692.1	684.6	679.2	681.3	688.4	694.2	695.5
82.5°	684.2	685.5	689.6	690.5	685.5	678.8	673.3	675.4	682.1	687.5	688.4
85°	677.5	678.3	682.1	682.5	677.5	671.6	667.0	669.1	675.0	679.2	680.4
87.5°	670.0	670.0	673.7	673.7	668.3	662.9	659.5	661.2	666.6	670.0	671.2
90°	660.8	661.2	663.7	663.3	658.3	653.7	650.7	652.8	657.4	660.4	661.2
92.5°	650.7	651.2	653.2	652.4	647.4	643.6	641.1	643.6	647.8	649.9	650.7
95°	639.9	640.3	642.0	640.3	635.7	632.8	630.7	633.6	636.9	639.0	639.9
97.5°	628.6	629.0	630.2	628.6	623.6	621.0	620.2	622.7	626.1	627.7	628.6
100°	616.9	616.9	617.7	615.2	611.0	608.9	608.5	611.4	614.8	616.4	617.3
102.5°	603.9	604.3	604.3	601.8	597.6	596.4	596.4	599.7	603.1	604.3	605.2
105°	590.5	590.5	590.5	588.4	583.8	583.0	583.4	586.8	590.5	592.2	593.0
107.5°	575.9	576.3	575.5	573.4	569.6	568.8	569.6	574.2	577.6	579.2	580.1
110°	560.4	560.8	560.4	557.9	554.6	554.1	555.4	560.0	563.3	565.0	566.3



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 CATALOG NUMBER: FFX-CLB-40-740-U-VM8

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	544.1	544.5	544.1	542.0	538.7	538.7	540.3	544.9	548.7	549.9	551.2
115°	526.9	527.4	526.5	524.9	521.5	522.3	524.0	528.6	532.4	533.6	535.3
117.5°	508.5	509.0	508.5	506.5	503.5	504.4	506.9	511.5	514.8	516.1	517.7
120°	488.5	488.5	488.5	486.4	483.5	485.1	487.6	492.7	495.6	496.4	498.1
122.5°	468.0	467.1	467.1	465.9	462.5	464.6	467.1	472.2	475.1	475.5	476.8
125°	445.4	445.8	444.6	443.7	440.8	443.3	445.4	450.4	452.9	453.3	454.6
127.5°	421.1	422.4	421.1	419.9	417.8	420.3	422.8	427.4	429.5	429.9	430.8
130°	398.6	398.6	397.3	396.5	394.4	396.9	399.4	403.6	405.7	405.7	406.5
132.5°	376.0	374.7	374.3	373.5	371.0	373.9	375.6	379.7	381.4	381.0	381.8
135°	351.3	351.3	350.0	349.6	347.5	350.5	352.1	355.9	357.2	356.7	357.6
137.5°	328.3	328.3	327.5	326.6	325.4	327.9	329.6	332.5	333.7	332.5	333.7
140°	305.7	305.7	305.3	304.5	303.2	305.7	307.0	309.5	310.7	309.5	310.3
142.5°	284.8	284.0	283.5	283.1	281.5	284.0	284.8	287.3	287.7	286.9	288.1
145°	262.6	263.1	262.6	262.2	261.0	263.1	263.9	266.0	266.4	265.6	266.8
147.5°	244.2	243.0	243.4	243.0	241.7	243.8	244.2	245.5	246.3	245.5	246.3
150°	225.8	225.0	225.0	224.6	223.7	225.4	225.8	227.1	227.5	226.7	227.5
152.5°	209.5	209.1	209.1	208.7	207.9	209.1	209.5	210.4	210.8	209.9	210.4
155°	194.9	194.5	194.5	194.1	193.2	194.5	194.5	195.3	195.7	195.3	195.7
157.5°	181.9	181.5	181.5	181.5	180.7	181.5	181.5	182.3	182.3	181.9	182.3
160°	171.5	170.6	171.0	170.6	169.8	170.6	170.6	171.0	171.0	171.0	171.0
162.5°	161.8	161.8	161.8	161.4	161.0	161.4	161.4	161.8	161.8	161.8	161.4
165°	154.3	154.3	154.3	153.9	153.5	153.9	153.9	153.9	153.9	153.9	153.9
167.5°	148.0	147.6	148.0	147.6	147.2	147.6	147.6	147.6	147.6	147.6	147.6
170°	142.6	142.6	142.6	142.6	142.2	142.6	142.6	142.6	142.6	142.6	142.6
172.5°	139.3	138.8	138.8	138.8	138.4	138.8	138.4	138.8	138.4	138.8	138.4
175°	136.3	136.3	136.3	136.3	135.9	135.9	135.9	135.9	135.9	135.9	135.9
177.5°	134.7	134.7	134.7	134.7	134.7	134.7	134.7	134.7	134.7	134.7	134.7
180°	134.2	134.2	134.2	134.2	134.2	134.2	134.2	134.2	134.2	134.2	134.2



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

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2406-133-1

Test Date: 07/11/2024

Luminaire Tested: FFX-CLB-100-740-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-740-U-FR-T5.

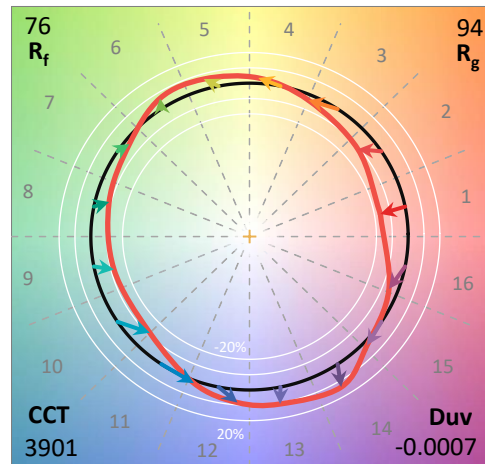
**Test Information**

Test Method: LM-79-2019  
 Report Number: SP1-2406-133-1  
 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-100-740-U-FR-T5**  
 Description: FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

**Spectral Parameters**

CCT (K): 3901  
 CIE u': 0.2273  
 CIE v': 0.5026  
 Duv: -0.0007  
 CIE x: 0.3844  
 CIE y: 0.3776  
 CIE z: 0.2380  
 Peak Wavelength (nm): 451  
 Dominant Wavelength (nm): 579  
 Purity: 28.6799  
 Rf: 76.2  
 Rg: 94.4

CRI (Ra):	74.5		
R1:	71.8	R9:	-23.4
R2:	81.9	R10:	56.6
R3:	89.3	R11:	68.4
R4:	72.6	R12:	46.6
R5:	71.3	R13:	73.7
R6:	74.0	R14:	93.9
R7:	81.5	R15:	65.1
R8:	53.3		



**Test Conditions**

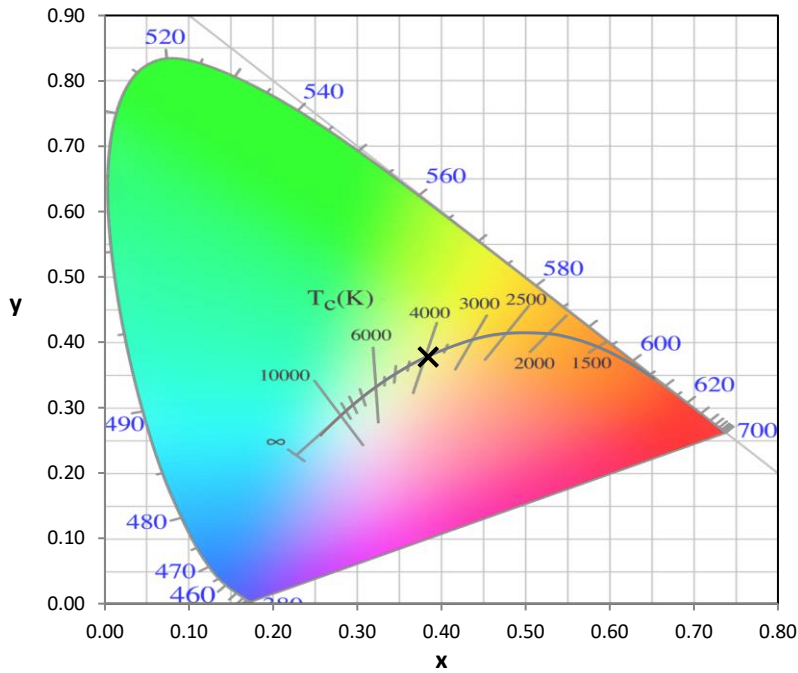
Stabilization Time: 0.818109M  
 Operation Time: 1H  
 Sphere Temperature (°C): 24.6

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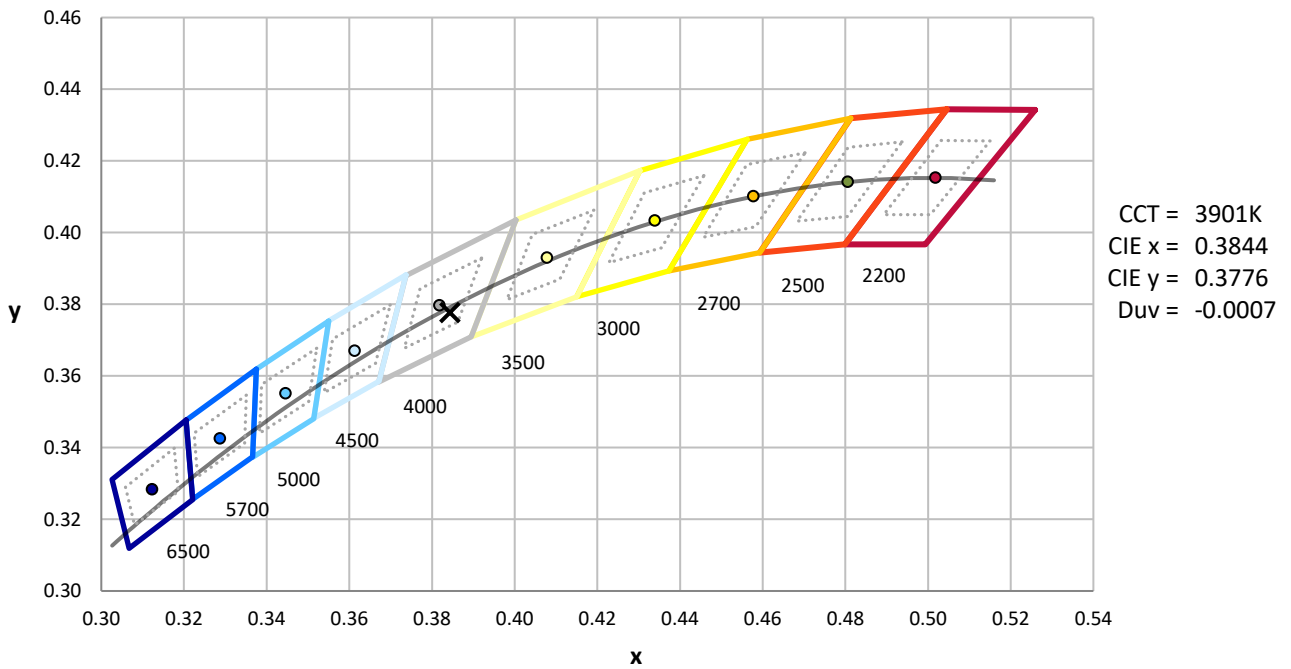
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	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 4000K 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	154	NR	620	687	NR	750	19	NR	880	1	NR
365	0	NR	495	191	NR	625	634	NR	755	17	NR	885	2	NR
370	0	NR	500	251	NR	630	581	NR	760	14	NR	890	1	NR
375	0	NR	505	323	NR	635	524	NR	765	12	NR	895	0	NR
380	0	NR	510	395	NR	640	471	NR	770	11	NR	900	1	NR
385	0	NR	515	462	NR	645	420	NR	775	9	NR	905	0	NR
390	0	NR	520	520	NR	650	373	NR	780	8	NR	910	0	NR
395	1	NR	525	563	NR	655	328	NR	785	7	NR	915	0	NR
400	4	NR	530	599	NR	660	286	NR	790	6	NR	920	0	NR
405	8	NR	535	627	NR	665	250	NR	795	5	NR	925	0	NR
410	17	NR	540	653	NR	670	217	NR	800	4	NR	930	0	NR
415	34	NR	545	679	NR	675	188	NR	805	4	NR	935	0	NR
420	63	NR	550	706	NR	680	163	NR	810	3	NR	940	0	NR
425	114	NR	555	737	NR	685	140	NR	815	3	NR	945	1	NR
430	186	NR	560	768	NR	690	121	NR	820	3	NR	950	0	NR
435	297	NR	565	798	NR	695	104	NR	825	2	NR	955	0	NR
440	454	NR	570	831	NR	700	89	NR	830	2	NR	960	0	NR
445	713	NR	575	860	NR	705	77	NR	835	2	NR	965	0	NR
450	983	NR	580	882	NR	710	65	NR	840	2	NR	970	0	NR
455	861	NR	585	893	NR	715	56	NR	845	1	NR	975	0	NR
460	540	NR	590	892	NR	720	48	NR	850	1	NR	980	0	NR
465	386	NR	595	880	NR	725	41	NR	855	1	NR	985	0	NR
470	279	NR	600	859	NR	730	35	NR	860	1	NR	990	0	NR
475	188	NR	605	825	NR	735	30	NR	865	1	NR	995	0	NR
480	149	NR	610	787	NR	740	26	NR	870	1	NR	1000	0	NR
485	143	NR	615	738	NR	745	22	NR	875	1	NR			

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**Scotopic Flux vs. Wavelength**



**Scotopic Lumens: NR**

**S/P: 1.53**

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	154	NR	620	687	NR	750	19	NR	880	1	NR
365	0	NR	495	191	NR	625	634	NR	755	17	NR	885	2	NR
370	0	NR	500	251	NR	630	581	NR	760	14	NR	890	1	NR
375	0	NR	505	323	NR	635	524	NR	765	12	NR	895	0	NR
380	0	NR	510	395	NR	640	471	NR	770	11	NR	900	1	NR
385	0	NR	515	462	NR	645	420	NR	775	9	NR	905	0	NR
390	0	NR	520	520	NR	650	373	NR	780	8	NR	910	0	NR
395	1	NR	525	563	NR	655	328	NR	785	7	NR	915	0	NR
400	4	NR	530	599	NR	660	286	NR	790	6	NR	920	0	NR
405	8	NR	535	627	NR	665	250	NR	795	5	NR	925	0	NR
410	17	NR	540	653	NR	670	217	NR	800	4	NR	930	0	NR
415	34	NR	545	679	NR	675	188	NR	805	4	NR	935	0	NR
420	63	NR	550	706	NR	680	163	NR	810	3	NR	940	0	NR
425	114	NR	555	737	NR	685	140	NR	815	3	NR	945	1	NR
430	186	NR	560	768	NR	690	121	NR	820	3	NR	950	0	NR
435	297	NR	565	798	NR	695	104	NR	825	2	NR	955	0	NR
440	454	NR	570	831	NR	700	89	NR	830	2	NR	960	0	NR
445	713	NR	575	860	NR	705	77	NR	835	2	NR	965	0	NR
450	983	NR	580	882	NR	710	65	NR	840	2	NR	970	0	NR
455	861	NR	585	893	NR	715	56	NR	845	1	NR	975	0	NR
460	540	NR	590	892	NR	720	48	NR	850	1	NR	980	0	NR
465	386	NR	595	880	NR	725	41	NR	855	1	NR	985	0	NR
470	279	NR	600	859	NR	730	35	NR	860	1	NR	990	0	NR
475	188	NR	605	825	NR	735	30	NR	865	1	NR	995	0	NR
480	149	NR	610	787	NR	740	26	NR	870	1	NR	1000	0	NR
485	143	NR	615	738	NR	745	22	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.04

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	154	NR	620	687	NR	750	19	NR	880	1	NR
365	0	NR	495	191	NR	625	634	NR	755	17	NR	885	2	NR
370	0	NR	500	251	NR	630	581	NR	760	14	NR	890	1	NR
375	0	NR	505	323	NR	635	524	NR	765	12	NR	895	0	NR
380	0	NR	510	395	NR	640	471	NR	770	11	NR	900	1	NR
385	0	NR	515	462	NR	645	420	NR	775	9	NR	905	0	NR
390	0	NR	520	520	NR	650	373	NR	780	8	NR	910	0	NR
395	1	NR	525	563	NR	655	328	NR	785	7	NR	915	0	NR
400	4	NR	530	599	NR	660	286	NR	790	6	NR	920	0	NR
405	8	NR	535	627	NR	665	250	NR	795	5	NR	925	0	NR
410	17	NR	540	653	NR	670	217	NR	800	4	NR	930	0	NR
415	34	NR	545	679	NR	675	188	NR	805	4	NR	935	0	NR
420	63	NR	550	706	NR	680	163	NR	810	3	NR	940	0	NR
425	114	NR	555	737	NR	685	140	NR	815	3	NR	945	1	NR
430	186	NR	560	768	NR	690	121	NR	820	3	NR	950	0	NR
435	297	NR	565	798	NR	695	104	NR	825	2	NR	955	0	NR
440	454	NR	570	831	NR	700	89	NR	830	2	NR	960	0	NR
445	713	NR	575	860	NR	705	77	NR	835	2	NR	965	0	NR
450	983	NR	580	882	NR	710	65	NR	840	2	NR	970	0	NR
455	861	NR	585	893	NR	715	56	NR	845	1	NR	975	0	NR
460	540	NR	590	892	NR	720	48	NR	850	1	NR	980	0	NR
465	386	NR	595	880	NR	725	41	NR	855	1	NR	985	0	NR
470	279	NR	600	859	NR	730	35	NR	860	1	NR	990	0	NR
475	188	NR	605	825	NR	735	30	NR	865	1	NR	995	0	NR
480	149	NR	610	787	NR	740	26	NR	870	1	NR	1000	0	NR
485	143	NR	615	738	NR	745	22	NR	875	1	NR			

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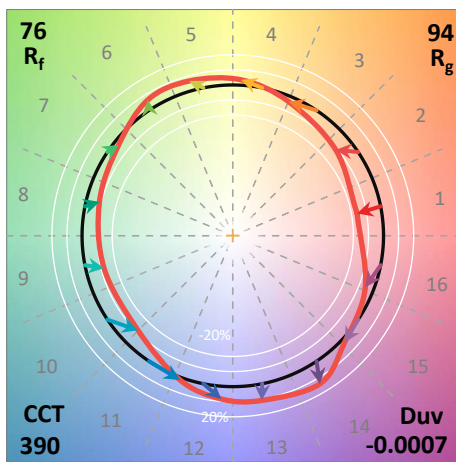
TM-30-18

**Summary**

$R_f = 76.2$   
 $R_g = 94.4$   
 CIE  $R_a = 74.5$   
 $R_g = -23.4$



**Color Vector Graphics**



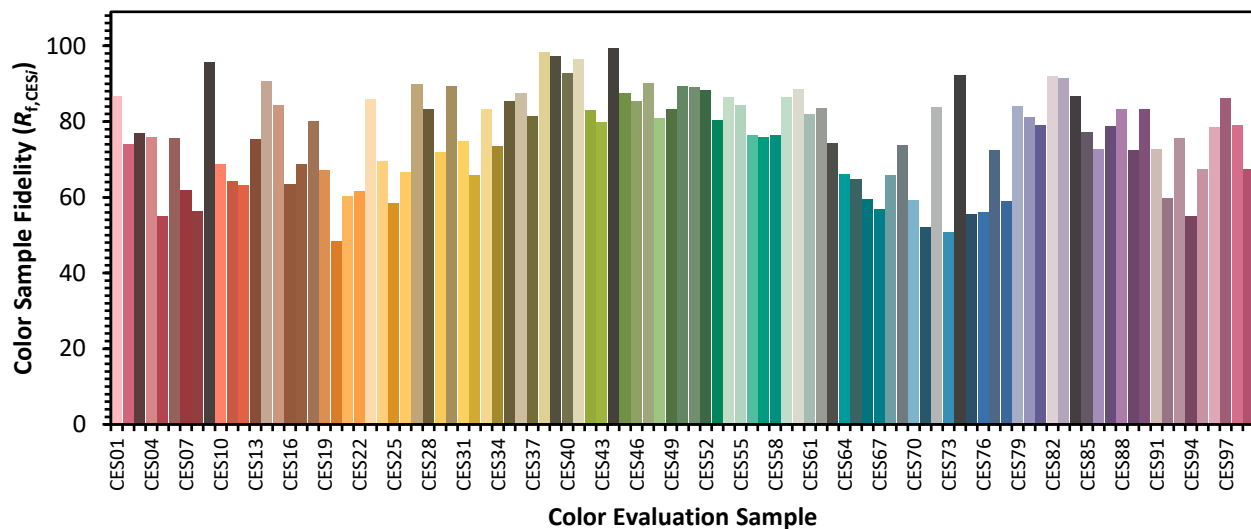


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**Individual Sample Fidelity Index ( $R_{f,i}$ )**

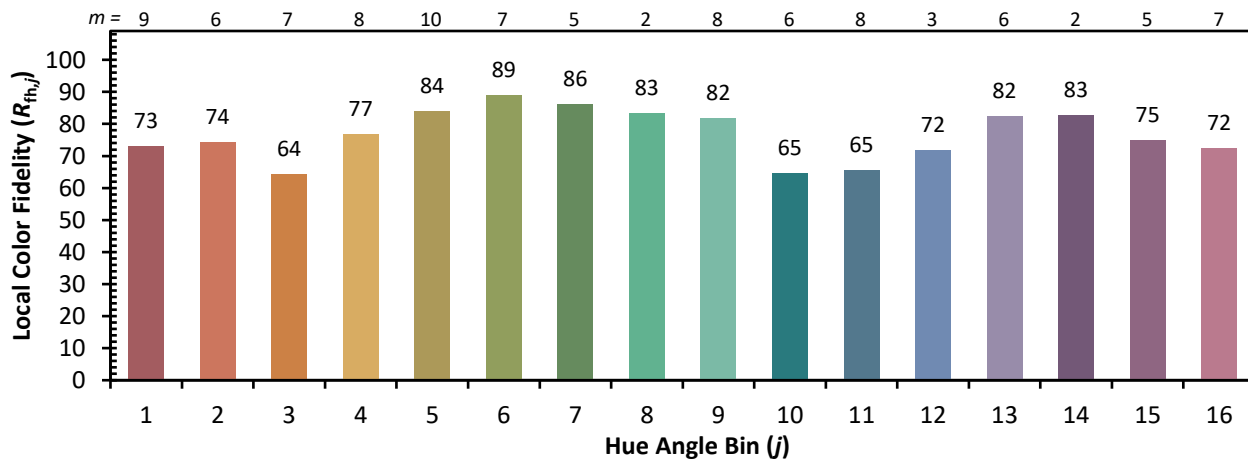
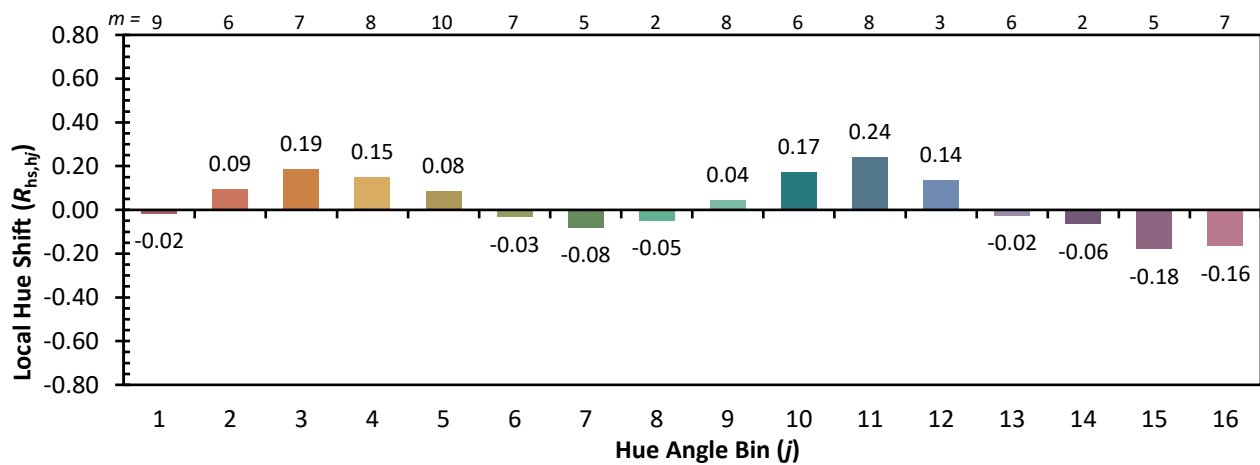
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CES02 = 61	CES27 = 90	CES52 = 88	CES77 = 72
CES03 = 30	CES28 = 83	CES53 = 80	CES78 = 59
CES04 = 70	CES29 = 72	CES54 = 86	CES79 = 84
CES05 = 48	CES30 = 89	CES55 = 84	CES80 = 81
CES06 = 51	CES31 = 75	CES56 = 77	CES81 = 79
CES07 = 40	CES32 = 66	CES57 = 76	CES82 = 92
CES08 = 39	CES33 = 83	CES58 = 76	CES83 = 92
CES09 = 29	CES34 = 74	CES59 = 86	CES84 = 87
CES10 = 74	CES35 = 85	CES60 = 89	CES85 = 77
CES11 = 57	CES36 = 87	CES61 = 82	CES86 = 73
CES12 = 63	CES37 = 81	CES62 = 84	CES87 = 79
CES13 = 42	CES38 = 98	CES63 = 74	CES88 = 83
CES14 = 74	CES39 = 97	CES64 = 66	CES89 = 72
CES15 = 71	CES40 = 93	CES65 = 65	CES90 = 83
CES16 = 46	CES41 = 96	CES66 = 59	CES91 = 73
CES17 = 49	CES42 = 83	CES67 = 57	CES92 = 60
CES18 = 56	CES43 = 80	CES68 = 66	CES93 = 75
CES19 = 72	CES44 = 99	CES69 = 74	CES94 = 55
CES20 = 65	CES45 = 87	CES70 = 59	CES95 = 67
CES21 = 86	CES46 = 85	CES71 = 52	CES96 = 78
CES22 = 78	CES47 = 90	CES72 = 84	CES97 = 86
CES23 = 92	CES48 = 81	CES73 = 51	CES98 = 79
CES24 = 91	CES49 = 83	CES74 = 92	CES99 = 68
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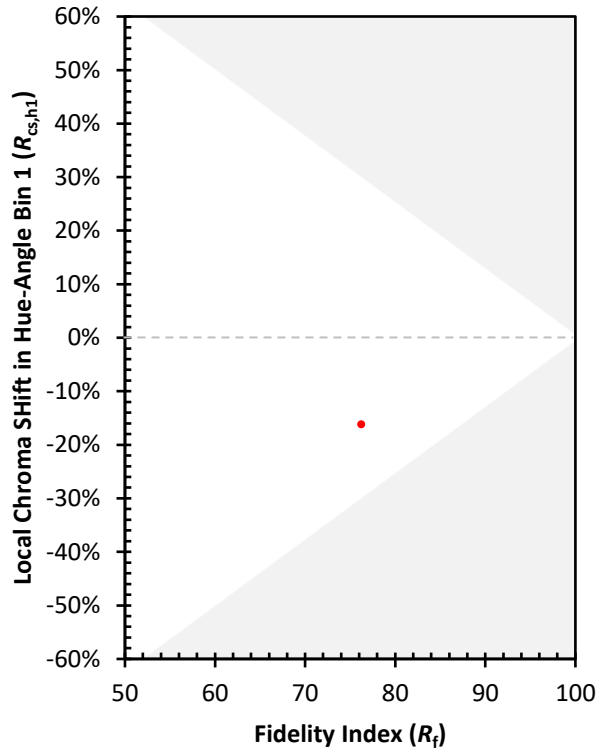
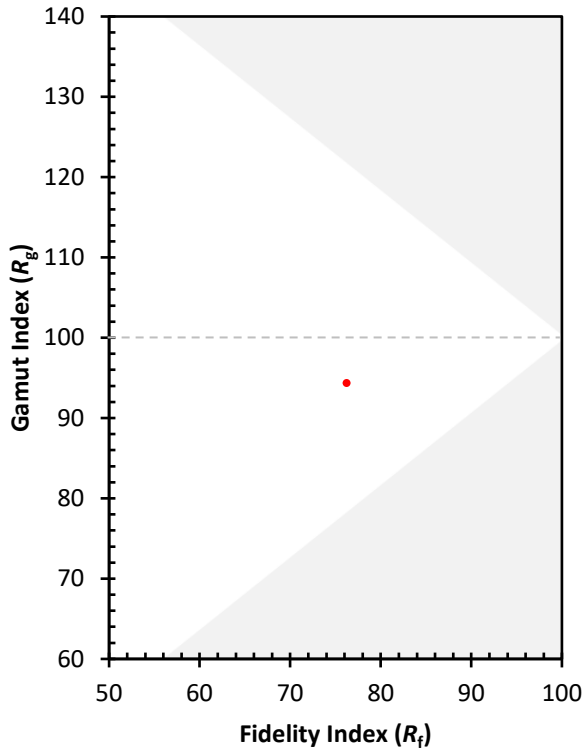
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)