

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: P856405

Luminaire Tested: **FFX-CLB-30-740-U-VM9**

Issue Date: 07/16/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P856405  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 07/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: FFX-CLB-30-740-U-VM9  
Description: FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK  
Light Source: (6) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

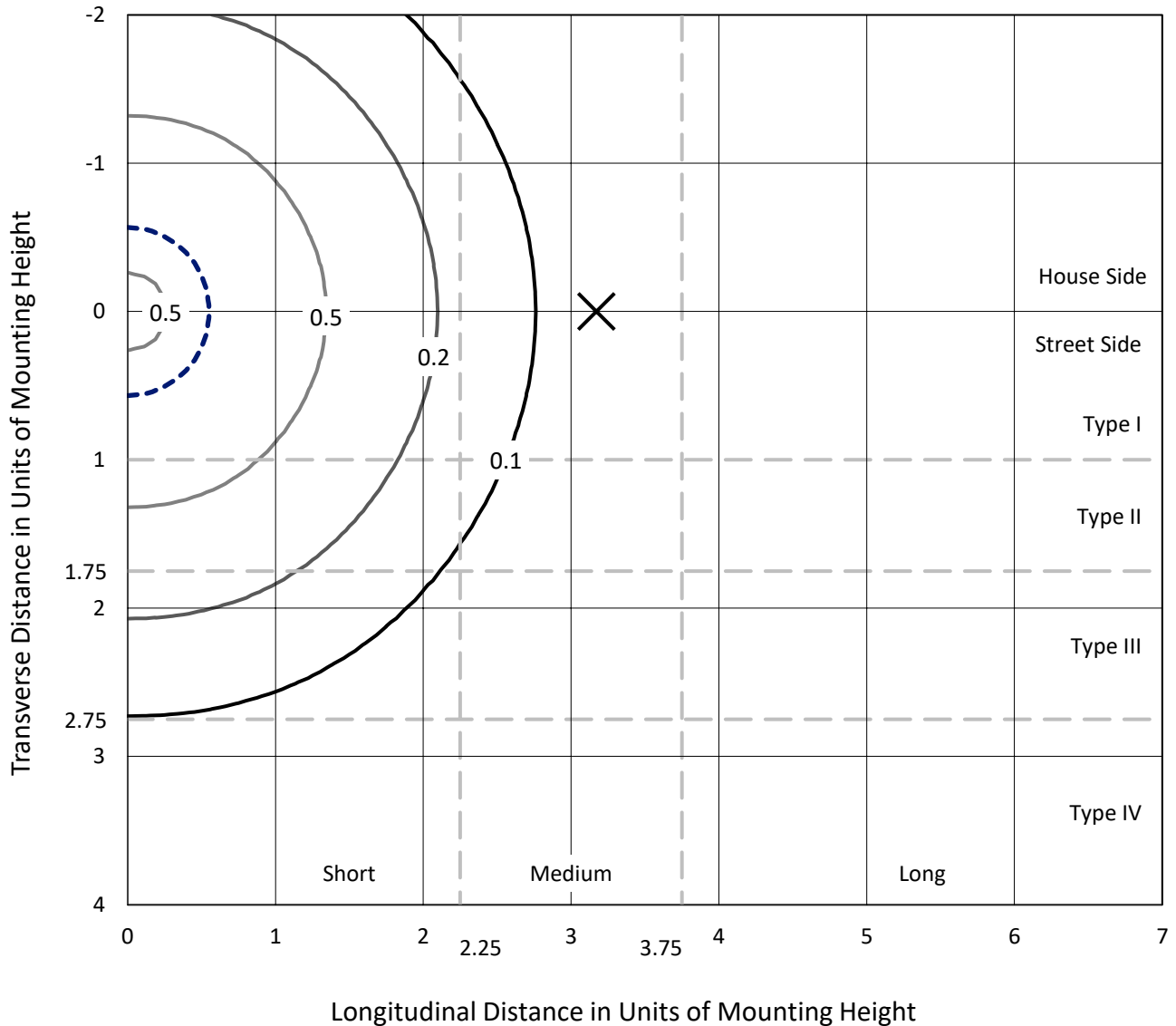
Lumens per Lamp: N/A  
Luminaire Lumens: 5039.1 lumens  
Efficiency: N/A  
Efficacy: 165.2 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.08')  
IES Classification: Type V - Short  
BUG Rating: B2 - U5 - G3

Input Watts (W): 30.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.99  
Total Harmonic Distortion (THDi): 10.6%%  
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

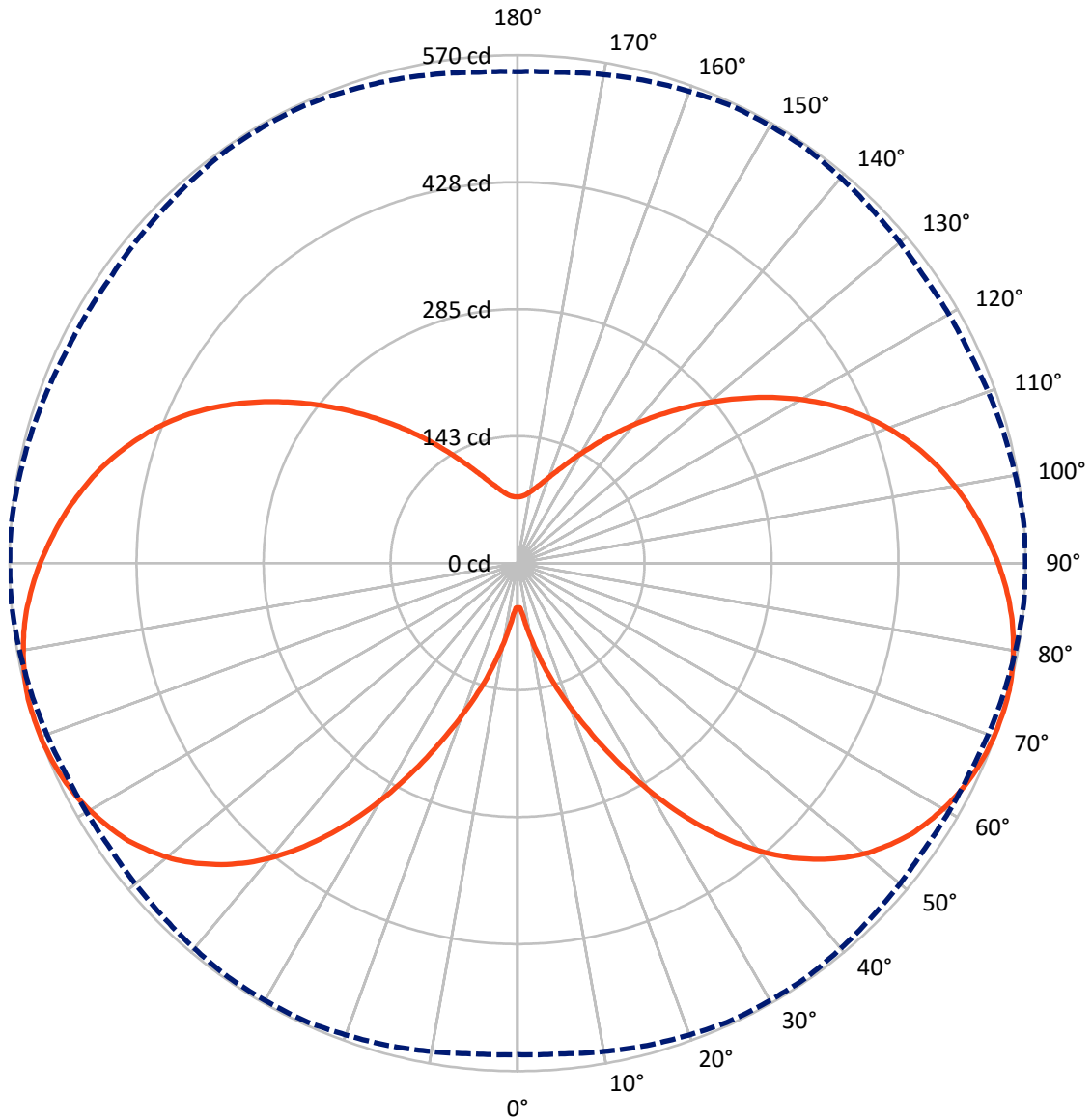
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 0.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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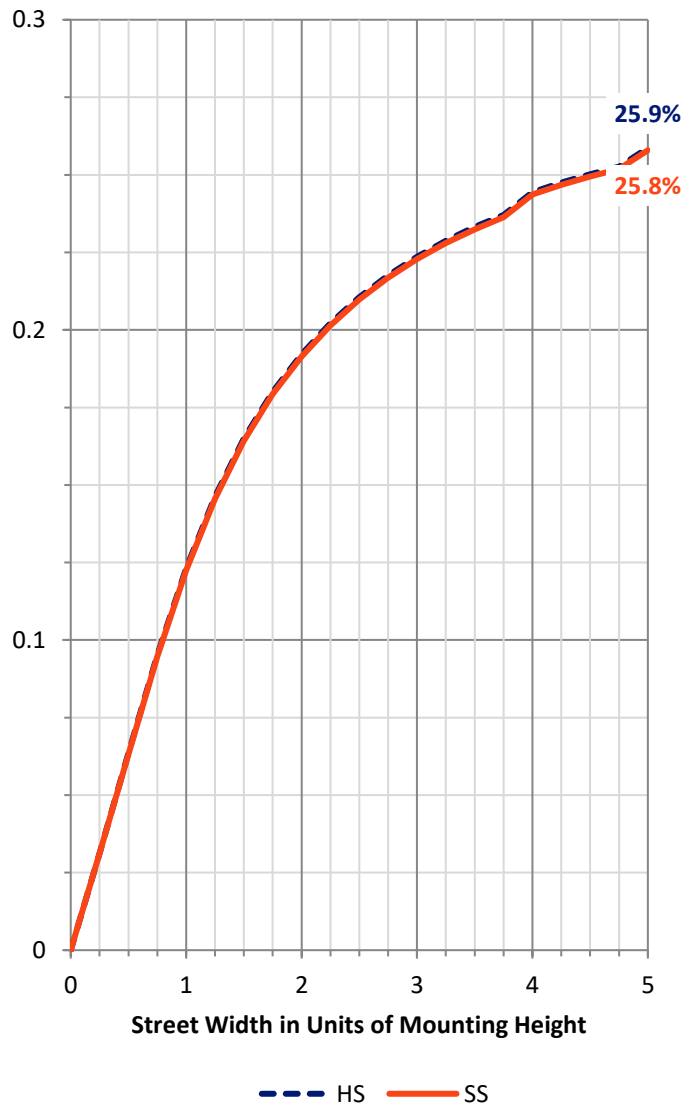
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1475.9	1043.7	2519.6
	% Fixture	29.3	20.7	50.0
<b>Street Side</b>	Lumens	1475.9	1043.7	2519.6
	% Fixture	29.3	20.7	50.0
<b>Total</b>	Lumens	2951.8	2087.3	5039.1
	% Fixture	58.6	41.4	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.5	0.1
10°-20°	37.8	0.8
20°-30°	109.2	2.2
30°-40°	227.2	4.5
40°-50°	360.6	7.2
50°-60°	473.3	9.4
60°-70°	551.9	11.0
70°-80°	592.8	11.8
80°-90°	592.5	11.8
90°-100°	554.6	11.0
100°-110°	486.7	9.7
110°-120°	391.4	7.8
120°-130°	281.1	5.6
130°-140°	180.7	3.6
140°-150°	104.8	2.1
150°-160°	55.1	1.1
160°-170°	25.6	0.5
170°-180°	7.4	0.1
0°-90°	2951.8	58.6
0°-180°	5039.1	100.0



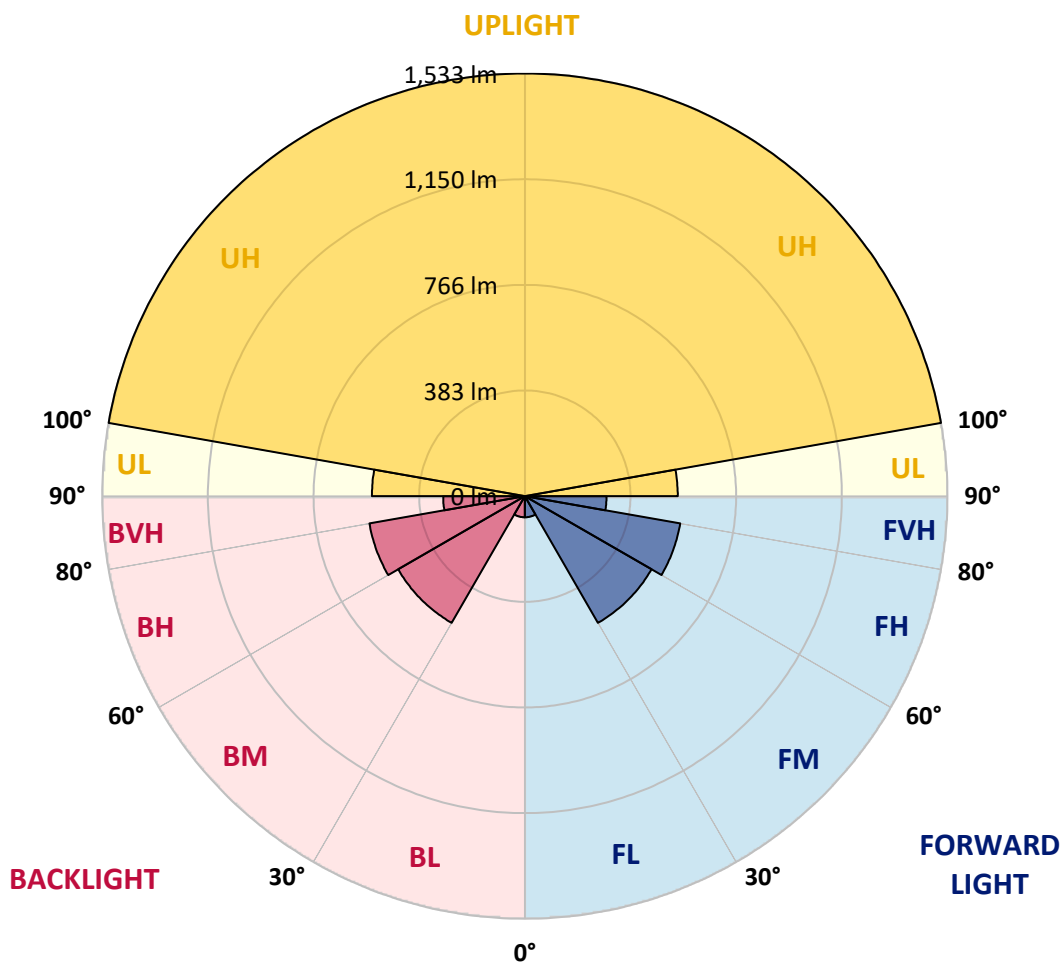
REPORT NUMBER: P856405  
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	76.8	1.5			
FM (30°-60°)	530.6	10.5			
FH (60°-80°)	572.4	11.4			G0/660
FVH (80°-90°)	296.3	5.9			G3/500
BL (0°-30°)	76.8	1.5	B0/110		
BM (30°-60°)	530.6	10.5	B1/1000		
BH (60°-80°)	572.4	11.4	B2/1000		G0/660
BVH (80°-90°)	296.3	5.9			G3/500
UL (90°-100°)	554.6	11.0		U4/1000	
UH (100°-180°)	1532.7	30.4		U5	

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

Type V Short





REPORT NUMBER: P856405

CATALOG NUMBER: FFX-CLB-30-740-U-VM9

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
2.5°	51.9	51.9	51.6	51.6	51.2	50.9	50.9	50.6	50.3	50.3	50.3
5°	57.7	57.4	57.4	57.4	57.4	57.1	57.4	57.1	57.1	57.1	57.4
7.5°	70.4	70.1	70.1	70.1	70.4	70.4	70.7	71.0	71.4	71.4	71.4
10°	86.9	86.6	86.6	86.3	86.9	86.9	87.3	86.6	87.6	87.6	87.9
12.5°	106.4	106.1	106.1	105.7	106.4	106.1	106.7	106.1	107.7	107.0	107.0
15°	127.5	127.5	127.1	126.8	127.8	127.8	128.4	128.4	129.4	128.8	129.1
17.5°	149.9	149.5	149.5	149.2	150.2	150.2	150.2	150.8	152.1	150.8	151.8
20°	173.9	173.5	173.5	173.2	174.2	174.2	174.8	175.2	176.5	175.5	176.1
22.5°	199.8	199.5	199.5	199.5	200.8	201.1	201.1	202.1	203.7	202.1	203.4
25°	228.7	228.4	228.4	229.3	230.3	230.6	231.3	232.6	234.2	232.6	234.2
27.5°	259.5	259.2	259.8	261.1	262.1	262.7	263.7	264.0	266.3	264.7	266.9
30°	291.3	291.0	291.6	293.2	294.5	296.5	296.5	297.4	300.7	298.4	300.7
32.5°	322.7	322.4	323.4	325.3	327.3	329.2	329.6	330.8	334.1	332.5	334.7
35°	353.9	353.6	354.9	357.4	359.4	361.3	362.0	363.3	366.9	365.2	367.5
37.5°	383.4	383.4	384.7	387.6	389.9	392.5	392.2	393.8	397.0	396.0	398.3
40°	411.0	411.0	412.6	416.2	418.8	420.4	420.0	421.7	425.2	424.9	426.9
42.5°	435.9	435.9	438.2	441.8	444.4	445.3	445.3	447.0	450.9	450.5	452.5
45°	457.0	458.0	460.6	464.5	466.8	467.7	467.1	468.7	472.9	472.9	474.5
47.5°	476.5	477.8	480.4	484.3	485.9	486.9	486.2	487.5	491.7	492.4	494.0
50°	493.4	494.3	497.6	501.8	503.4	503.4	502.4	503.7	508.3	509.6	510.9
52.5°	507.9	508.9	512.5	517.0	518.0	517.7	516.4	517.7	522.2	523.5	524.5
55°	519.6	520.6	524.8	529.4	530.3	529.4	527.4	529.0	533.3	535.2	536.8
57.5°	529.0	530.0	534.9	539.4	540.4	538.4	536.2	537.8	542.7	544.9	545.6
60°	536.8	537.8	543.0	547.8	548.5	546.2	543.6	545.3	550.1	552.7	553.4
62.5°	543.0	544.0	549.5	555.0	555.3	552.4	549.5	551.1	556.0	558.9	559.8
65°	547.2	548.2	554.3	559.8	560.5	556.9	554.0	555.6	560.2	563.7	564.4
67.5°	550.1	551.1	557.9	563.7	564.1	560.2	556.9	558.2	563.4	567.0	567.6
70°	551.4	552.4	559.5	565.7	566.0	561.8	557.9	559.5	564.7	568.9	569.6
72.5°	551.7	553.0	560.5	566.7	567.0	562.1	558.2	559.5	565.0	569.9	570.2
75°	550.4	552.1	559.8	566.3	566.3	560.8	556.6	557.9	564.1	569.3	570.2
77.5°	548.8	549.8	557.9	564.4	564.1	558.2	553.4	555.3	561.5	567.3	568.0
80°	545.3	546.5	554.7	560.8	560.2	553.7	549.1	551.1	557.6	563.7	564.4
82.5°	540.7	542.0	550.1	555.6	555.0	548.2	543.6	545.9	552.7	559.2	559.8
85°	535.2	536.5	544.3	549.5	548.5	541.7	537.1	539.1	546.5	553.0	553.7
87.5°	528.1	529.4	537.1	541.7	540.7	533.6	529.7	532.3	539.1	545.9	546.2
90°	520.0	521.6	528.4	532.6	531.3	524.8	521.2	523.8	530.7	537.1	537.8
92.5°	511.8	512.5	519.0	522.5	521.6	515.7	512.5	515.4	521.6	528.1	528.1
95°	502.1	503.1	508.9	511.8	510.9	506.0	503.1	506.3	511.8	518.0	518.3
97.5°	491.7	492.7	497.6	500.5	499.5	495.3	493.4	496.6	501.5	507.3	507.6
100°	480.7	481.4	485.6	488.2	487.2	483.9	482.6	485.9	490.4	495.9	495.9
102.5°	468.4	469.0	472.3	473.9	473.6	471.0	471.0	474.5	478.1	483.3	483.9
105°	455.4	456.1	458.3	459.3	459.0	458.0	458.6	462.2	465.1	469.7	470.3
107.5°	440.8	441.5	442.8	443.1	443.1	443.1	445.3	448.6	451.8	455.1	455.4
110°	425.2	425.6	426.5	426.2	426.2	426.9	430.1	433.7	436.3	439.5	439.8



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 CATALOG NUMBER: FFX-CLB-30-740-U-VM9

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	408.4	408.7	409.3	408.0	408.4	409.7	413.9	417.8	419.4	422.6	422.6
115°	390.5	390.2	390.9	389.2	388.9	391.2	395.7	400.3	401.6	403.8	404.2
117.5°	371.1	371.4	371.1	369.1	368.8	372.0	376.3	380.5	382.1	384.7	384.0
120°	351.0	350.6	351.0	348.7	348.4	351.9	356.1	360.4	361.3	363.6	363.0
122.5°	330.5	330.2	329.9	327.6	327.6	330.5	335.7	339.9	339.3	341.9	341.6
125°	309.4	309.4	308.8	306.5	306.5	310.1	314.3	318.2	317.5	320.5	319.5
127.5°	288.7	288.7	288.0	286.1	286.1	289.3	293.2	297.1	296.1	298.7	297.8
130°	268.2	268.2	267.6	265.7	265.7	268.2	272.5	275.7	274.4	276.7	276.4
132.5°	248.8	248.5	248.1	246.2	246.5	249.1	252.4	255.3	254.0	256.6	255.6
135°	230.0	229.6	229.3	227.4	227.7	230.3	233.2	235.5	234.5	236.1	235.8
137.5°	212.1	211.8	211.5	209.9	210.2	212.1	215.1	217.0	215.7	218.0	217.0
140°	195.3	194.9	194.3	193.3	193.6	195.6	197.2	199.5	198.2	200.1	199.2
142.5°	179.0	179.0	178.4	177.4	177.8	179.7	181.0	182.6	181.3	182.9	182.3
145°	164.1	164.1	163.5	162.8	162.8	164.5	165.4	167.0	165.7	167.4	166.7
147.5°	150.5	150.5	149.9	149.2	149.2	150.8	151.5	152.8	151.5	152.8	152.1
150°	137.9	137.9	137.5	136.9	137.2	137.9	138.5	139.5	138.5	139.5	139.2
152.5°	126.8	126.8	126.5	126.2	125.9	126.8	127.1	128.1	127.1	128.1	127.5
155°	117.1	116.8	116.8	116.1	116.1	116.8	117.1	117.7	116.8	117.7	117.4
157.5°	108.3	108.3	108.0	107.7	107.7	108.0	108.3	108.7	108.0	109.0	108.3
160°	100.9	100.9	100.6	100.2	100.2	100.6	100.6	100.9	100.2	100.9	100.6
162.5°	94.4	94.4	94.1	94.1	93.7	94.1	94.4	94.4	94.1	94.4	94.1
165°	89.2	89.2	88.9	88.6	88.6	88.9	88.9	89.2	88.6	88.9	88.9
167.5°	84.3	84.3	84.3	84.0	83.7	84.0	84.0	84.0	83.7	84.0	84.0
170°	80.8	80.8	80.8	80.4	80.1	80.4	80.4	80.4	80.1	80.4	80.4
172.5°	77.8	77.8	77.8	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
175°	75.9	75.9	75.9	75.9	75.6	75.9	75.9	75.9	75.9	75.9	75.6
177.5°	74.9	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
180°	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3



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.

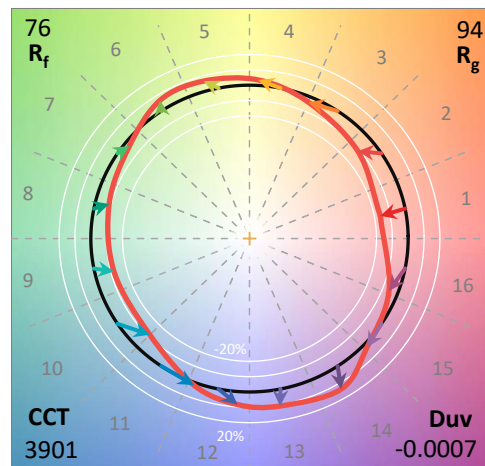
**Test Information**

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**

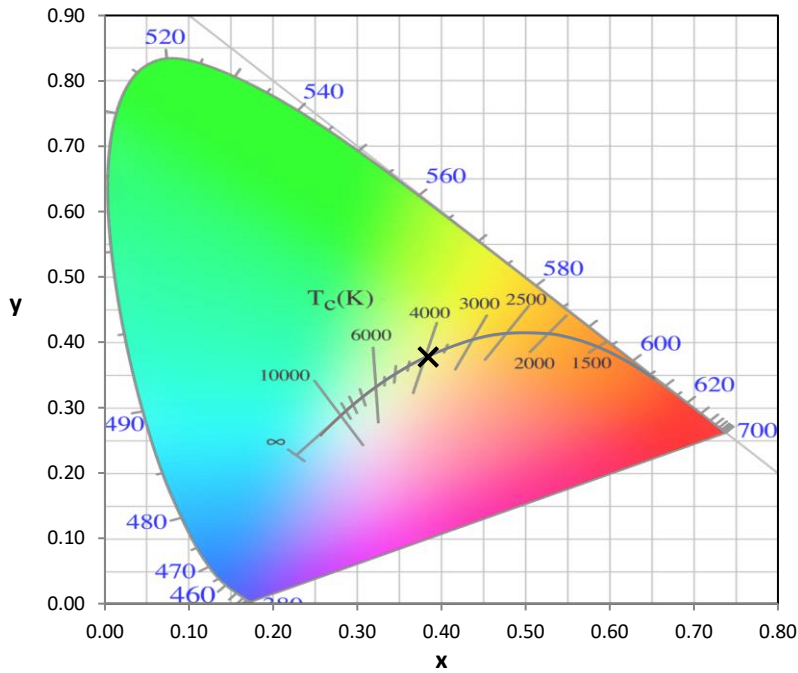
Stabilization Time: 0.818109M  
 Operation Time: 1H  
 Sphere Temperature (°C): 24.6

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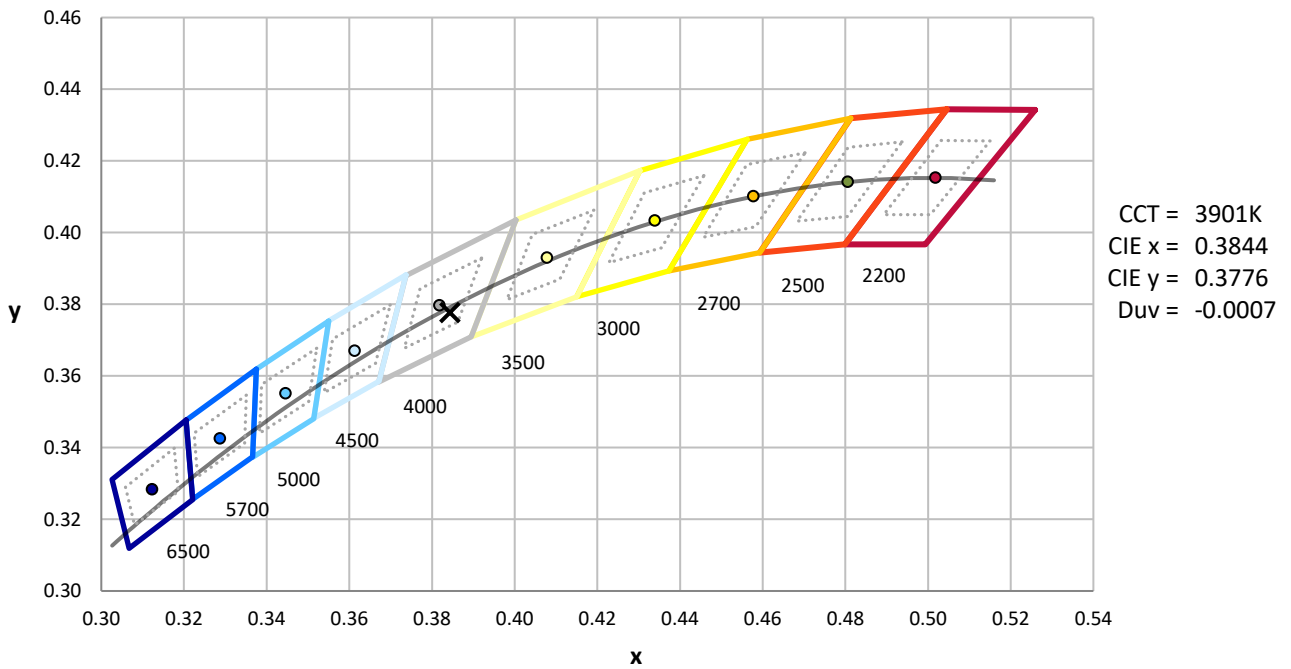
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	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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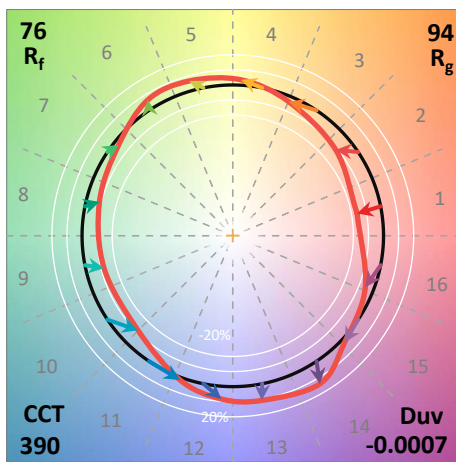
TM-30-18

**Summary**

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



**Color Vector Graphics**



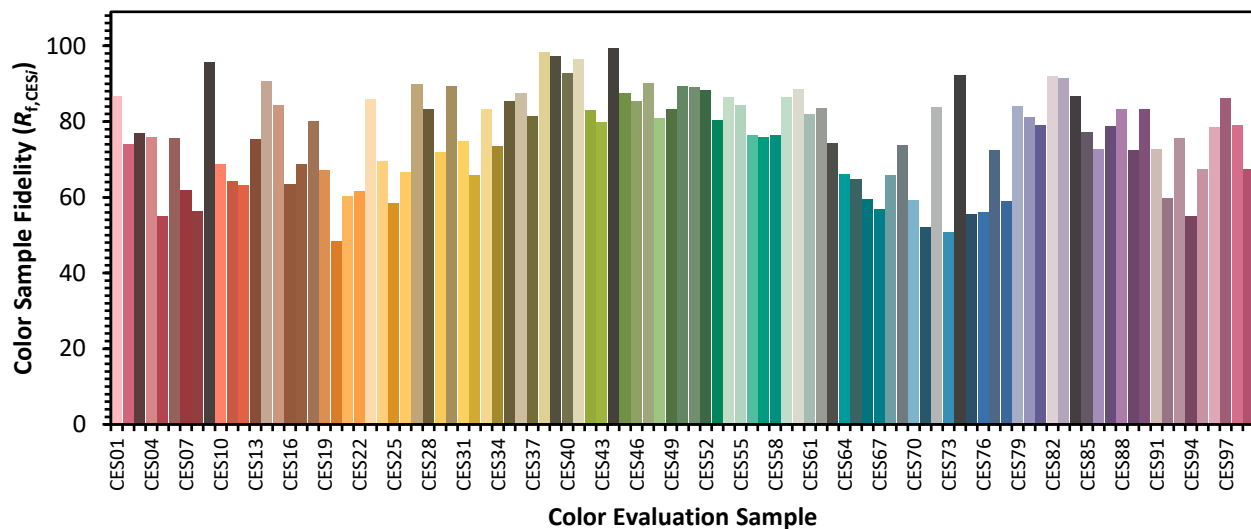


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**Individual Sample Fidelity Index ( $R_{f,i}$ )**

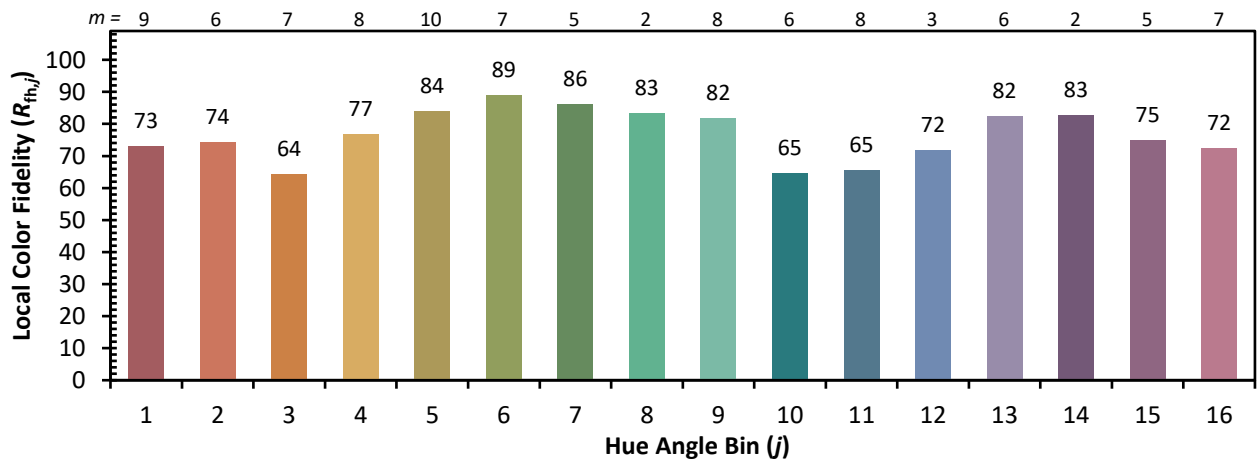
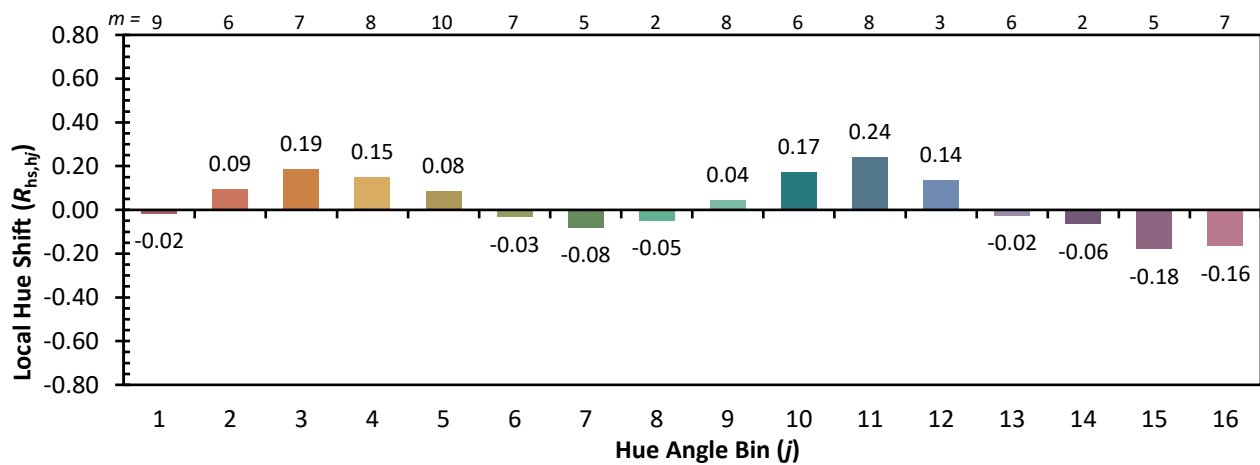
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CES02 = 61	CES27 = 90	CES52 = 88	CES77 = 72
CES03 = 30	CES28 = 83	CES53 = 80	CES78 = 59
CES04 = 70	CES29 = 72	CES54 = 86	CES79 = 84
CES05 = 48	CES30 = 89	CES55 = 84	CES80 = 81
CES06 = 51	CES31 = 75	CES56 = 77	CES81 = 79
CES07 = 40	CES32 = 66	CES57 = 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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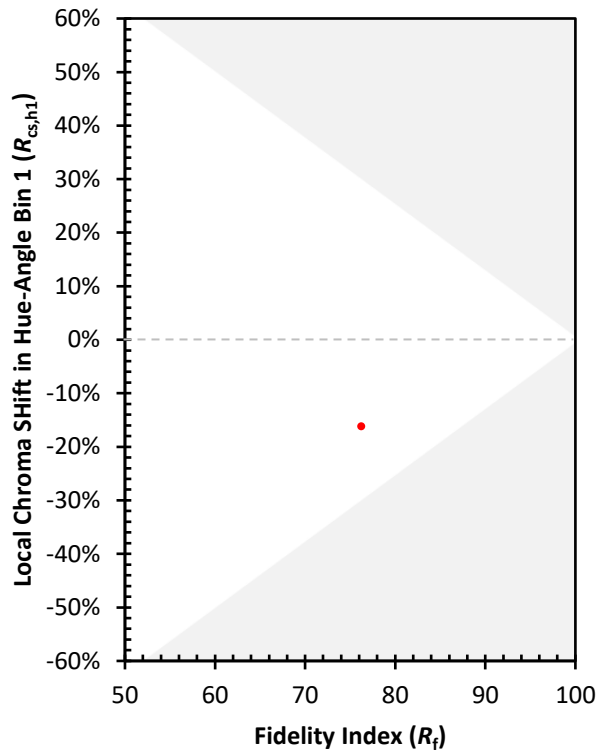
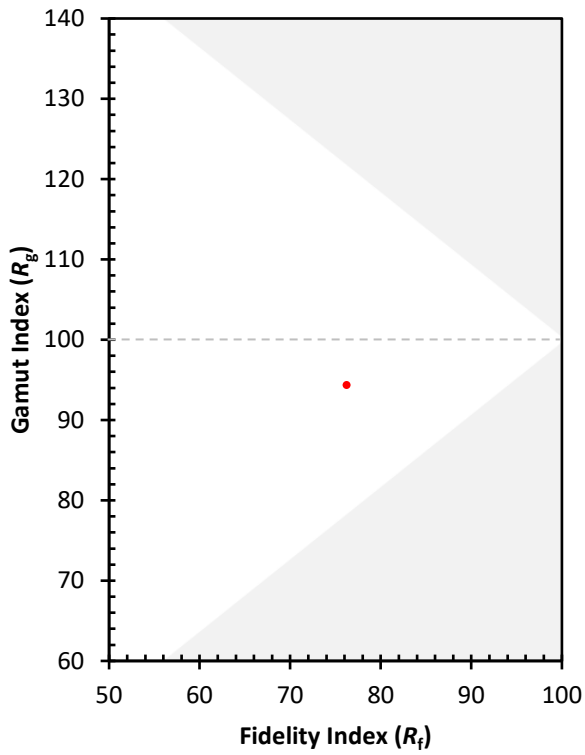
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)