

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: P856084

Luminaire Tested: **FFX-CLB-90-740-U-FR-T5**

Issue Date: 07/16/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P856084  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 07/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: FFX-CLB-90-740-U-FR-T5  
Description: FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS  
Light Source: (6) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

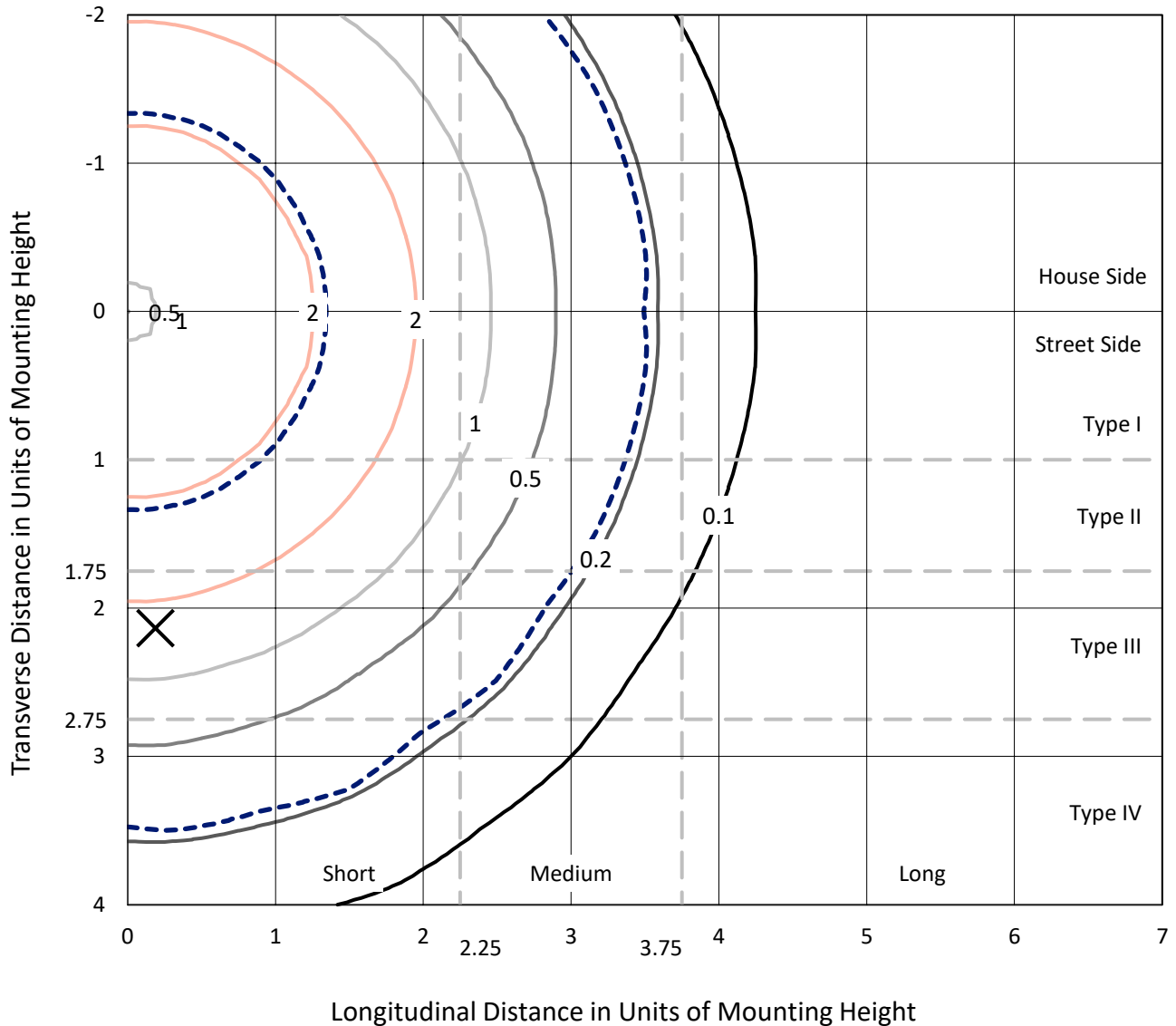
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14737.1 lumens  
Efficiency: N/A  
Efficacy: 163.2 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 1.67')  
IES Classification: Type V - Short  
BUG Rating: B4 - U5 - G3  
  
Input Watts (W): 90.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.99  
Total Harmonic Distortion (THDi): 5.6%%  
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

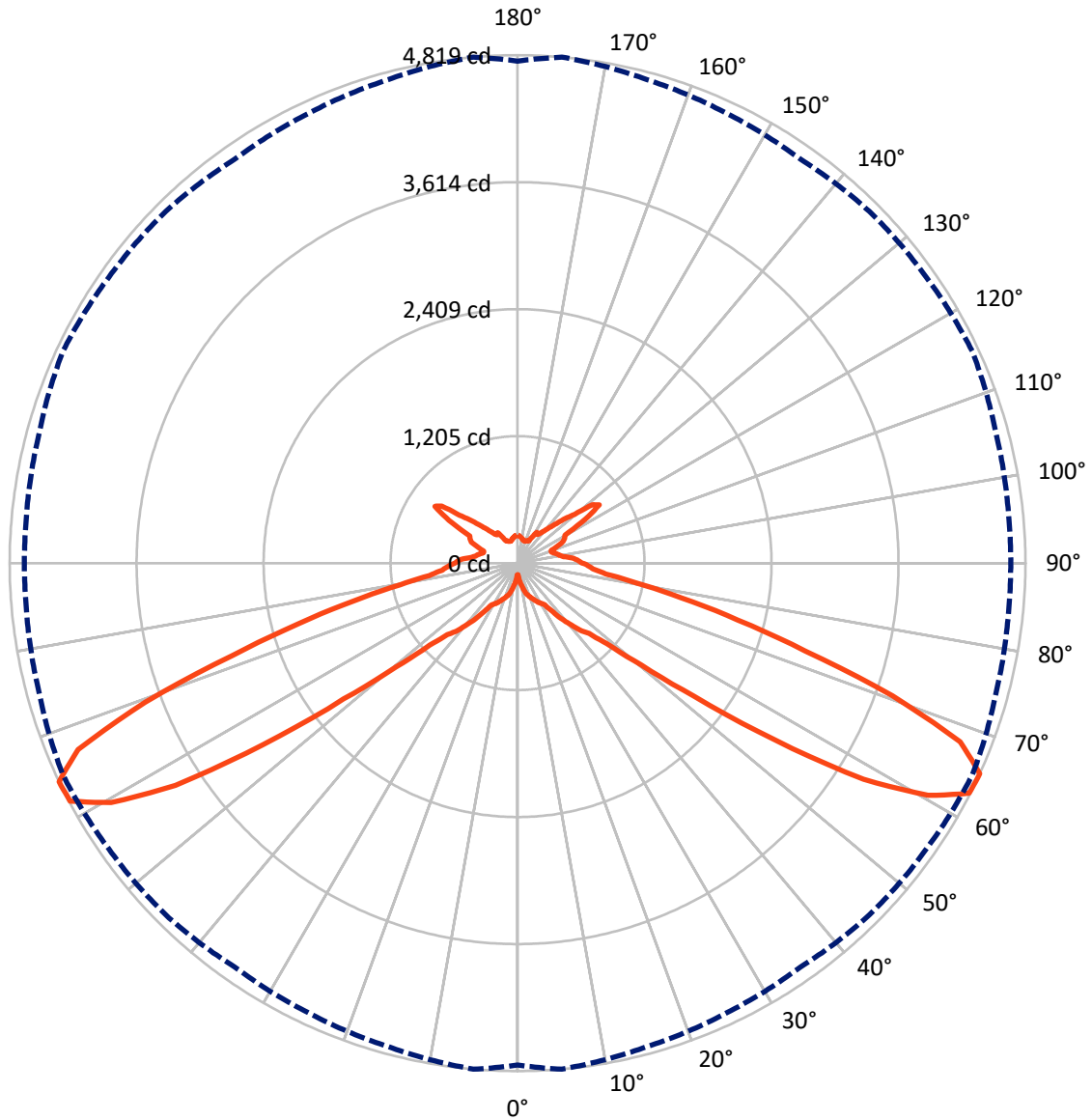
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 5-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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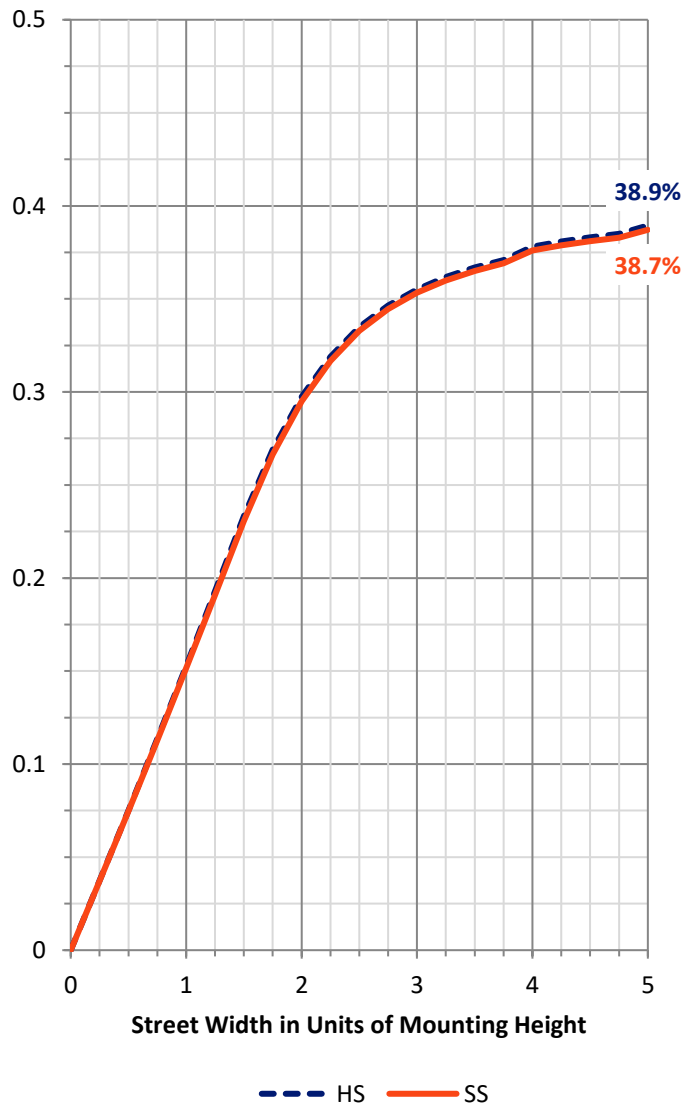
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5938.4	1430.1	7368.5
	% Fixture	40.3	9.7	50.0
<b>Street Side</b>	Lumens	5938.4	1430.1	7368.5
	% Fixture	40.3	9.7	50.0
<b>Total</b>	Lumens	11876.8	2860.3	14737.1
	% Fixture	80.6	19.4	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.7	0.1
10°-20°	84.2	0.6
20°-30°	182.9	1.2
30°-40°	362.9	2.5
40°-50°	787.0	5.3
50°-60°	2710.3	18.4
60°-70°	4451.5	30.2
70°-80°	2389.2	16.2
80°-90°	892.2	6.1
90°-100°	563.5	3.8
100°-110°	377.4	2.6
110°-120°	414.8	2.8
120°-130°	686.4	4.7
130°-140°	404.2	2.7
140°-150°	213.8	1.5
150°-160°	112.3	0.8
160°-170°	63.8	0.4
170°-180°	24.0	0.2
0°-90°	11876.8	80.6
0°-180°	14737.1	100.0



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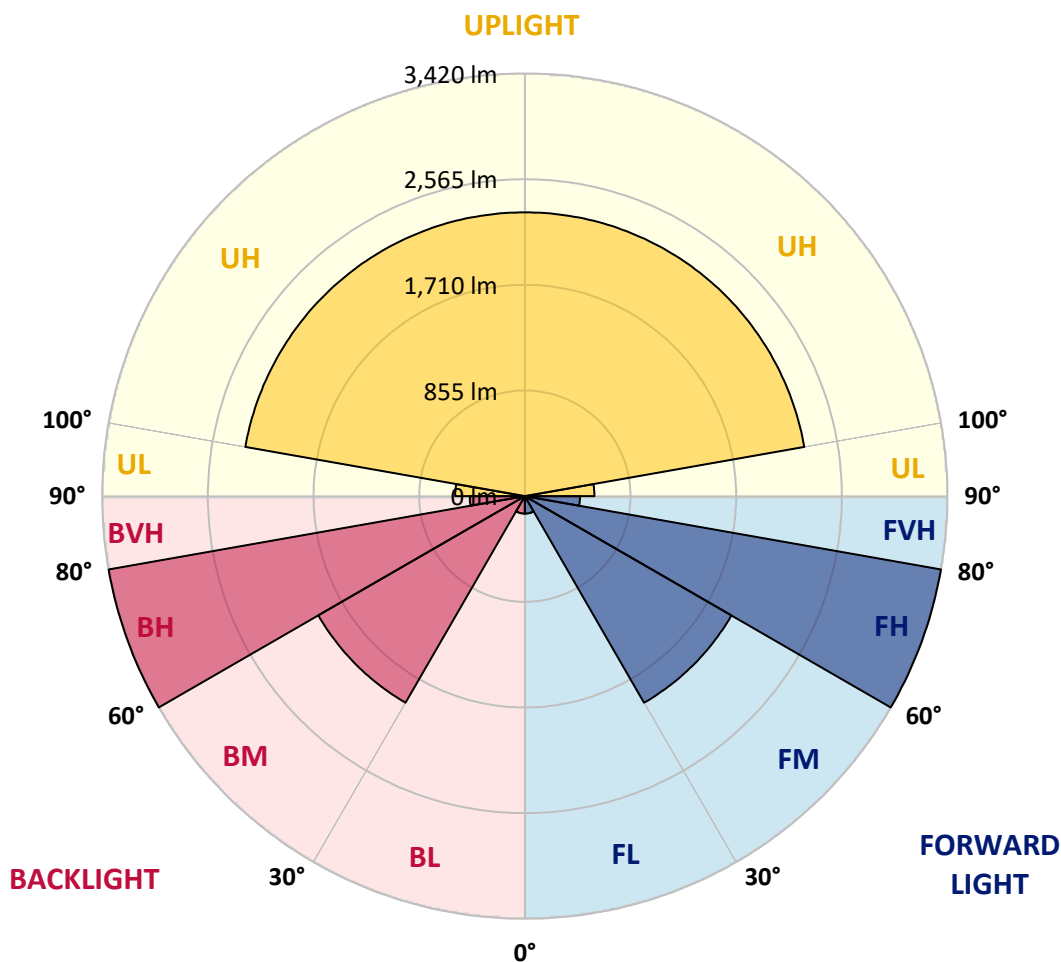
CATALOG NUMBER: FFX-CLB-90-740-U-FR-T5

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	141.9	1.0			
FM (30°-60°)	1930.1	13.1			
FH (60°-80°)	3420.3	23.2			G2/5000
FVH (80°-90°)	446.1	3.0			G3/500
BL (0°-30°)	141.9	1.0	B1/500		
BM (30°-60°)	1930.1	13.1	B2/2500		
BH (60°-80°)	3420.3	23.2	B4/5000		G2/5000
BVH (80°-90°)	446.1	3.0			G3/500
UL (90°-100°)	563.5	3.8		U4/1000	
UH (100°-180°)	2296.8	15.6		U5	

**BUG Rating: B4-U5-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	109.7	109.7	109.7	109.7	109.7	109.7	109.7	109.7	109.7	109.7	109.7
2.5°	115.7	115.7	114.2	112.7	114.2	115.7	115.7	117.2	114.2	114.2	115.7
5°	154.7	154.7	154.7	153.2	150.2	150.2	148.7	153.2	154.7	156.2	156.2
7.5°	192.3	190.8	193.8	195.3	187.8	184.8	184.8	186.3	189.3	192.3	195.3
10°	217.8	216.3	217.8	223.8	222.3	217.8	217.8	217.8	222.3	229.8	231.3
12.5°	256.9	256.9	259.9	264.4	265.9	261.4	258.4	258.4	264.4	265.9	264.4
15°	298.9	298.9	297.4	295.9	297.4	295.9	295.9	297.4	301.9	300.4	300.4
17.5°	321.4	319.9	318.4	319.9	319.9	318.4	319.9	322.9	321.4	326.0	327.5
20°	345.5	345.5	342.5	342.5	342.5	344.0	345.5	344.0	345.5	347.0	348.5
22.5°	368.0	368.0	366.5	365.0	366.5	368.0	369.5	366.5	366.5	369.5	369.5
25°	393.5	393.5	393.5	389.0	390.5	392.0	390.5	389.0	390.5	392.0	393.5
27.5°	422.1	422.1	419.1	414.6	416.1	416.1	417.6	414.6	417.6	417.6	417.6
30°	446.1	443.1	441.6	438.6	438.6	441.6	444.6	440.1	441.6	441.6	443.1
32.5°	468.7	468.7	467.1	461.1	459.6	468.7	471.7	470.2	464.1	465.6	467.1
35°	552.8	552.8	542.3	531.7	540.8	539.3	551.3	551.3	551.3	554.3	560.3
37.5°	657.9	662.4	678.9	703.0	703.0	668.4	650.4	648.9	672.9	694.0	692.5
40°	751.0	755.6	751.0	754.0	751.0	752.5	754.0	751.0	737.5	733.0	724.0
42.5°	866.7	868.2	839.7	806.6	809.6	826.1	845.7	847.2	818.6	805.1	802.1
45°	947.8	950.8	940.3	935.8	935.8	941.8	940.3	940.3	929.8	928.3	925.3
47.5°	1146.1	1140.1	1119.1	1111.5	1120.6	1116.1	1144.6	1137.1	1125.1	1125.1	1135.6
50°	1520.1	1514.1	1515.6	1508.1	1532.1	1497.6	1532.1	1523.1	1505.1	1514.1	1521.6
52.5°	2131.5	2093.9	2098.4	2083.4	2125.5	2093.9	2151.0	2143.5	2084.9	2110.4	2111.9
55°	3011.7	2963.6	2960.6	2860.0	2938.1	2948.6	3020.7	3038.7	2924.6	2926.1	2933.6
57.5°	3884.4	3869.4	3917.4	3854.4	3909.9	3884.4	3882.9	3915.9	3849.9	3858.9	3882.9
60°	4462.7	4474.7	4528.8	4545.3	4564.8	4528.8	4455.2	4470.2	4465.7	4542.3	4548.3
62.5°	4772.1	4808.2	4769.1	4757.1	4740.6	4754.1	4745.1	4754.1	4727.1	4763.1	4764.6
65°	4761.6	4818.7	4748.1	4704.5	4677.5	4719.6	4731.6	4758.6	4701.5	4679.0	4679.0
67.5°	4459.7	4528.8	4417.6	4413.1	4347.0	4417.6	4398.1	4419.1	4374.1	4342.5	4312.5
70°	3710.2	3773.2	3639.6	3656.1	3541.9	3657.6	3627.5	3666.6	3630.6	3569.0	3532.9
72.5°	2795.4	2851.0	2751.8	2777.4	2702.3	2789.4	2742.8	2808.9	2786.4	2759.3	2729.3
75°	2114.9	2158.5	2164.5	2250.1	2160.0	2202.1	2117.9	2157.0	2194.6	2226.1	2193.1
77.5°	1556.2	1586.2	1676.3	1771.0	1682.3	1712.4	1628.3	1665.8	1700.4	1754.4	1730.4
80°	1099.5	1134.1	1216.7	1287.3	1222.7	1249.7	1195.7	1216.7	1243.7	1282.8	1257.2
82.5°	856.2	844.2	841.2	823.1	803.6	871.2	884.7	896.7	871.2	860.7	848.7
85°	718.0	721.0	739.0	761.6	761.6	763.1	749.5	755.6	766.1	785.6	787.1
87.5°	659.4	668.4	719.5	737.5	730.0	733.0	721.0	724.0	731.5	742.0	739.0
90°	581.3	603.8	651.9	669.9	657.9	663.9	657.9	662.4	656.4	659.4	653.4
92.5°	567.8	566.3	581.3	579.8	572.3	590.3	590.3	593.3	585.8	581.3	578.3
95°	525.7	522.7	521.2	525.7	509.2	522.7	519.7	525.7	522.7	522.7	516.7
97.5°	440.1	440.1	437.1	441.6	431.1	437.1	429.6	434.1	432.6	434.1	429.6
100°	405.6	405.6	402.6	402.6	398.1	399.6	396.6	396.6	395.0	393.5	393.5
102.5°	381.5	384.5	380.0	381.5	375.5	375.5	372.5	374.0	372.5	372.5	371.0
105°	359.0	360.5	357.5	357.5	353.0	351.5	348.5	350.0	351.5	348.5	348.5
107.5°	336.5	338.0	336.5	336.5	332.0	329.0	324.5	324.5	326.0	327.5	327.5
110°	345.5	341.0	336.5	333.5	339.5	330.5	327.5	326.0	327.5	332.0	333.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	413.1	410.1	410.1	396.6	411.6	402.6	396.6	386.0	390.5	393.5	393.5
115°	479.2	480.7	462.6	456.6	447.6	446.1	450.6	438.6	437.1	438.6	435.6
117.5°	537.7	506.2	438.6	420.6	416.1	413.1	410.1	407.1	404.1	422.1	402.6
120°	575.3	521.2	471.7	461.1	486.7	450.6	426.6	422.1	431.1	462.6	458.1
122.5°	815.6	769.1	733.0	669.9	733.0	697.0	706.0	689.5	680.4	662.4	665.4
125°	953.8	952.3	935.8	923.8	938.8	925.3	910.3	904.3	895.2	899.8	892.2
127.5°	886.2	899.8	878.7	902.8	848.7	863.7	860.7	871.2	862.2	865.2	853.2
130°	701.5	712.0	692.5	680.4	656.4	683.5	685.0	701.5	683.5	659.4	656.4
132.5°	612.9	620.4	590.3	575.3	558.8	582.8	593.3	602.3	590.3	564.8	558.8
135°	521.2	524.2	503.2	506.2	495.7	495.7	494.2	498.7	504.7	500.2	497.2
137.5°	447.6	455.1	447.6	456.6	447.6	440.1	428.1	432.6	446.1	456.6	455.1
140°	387.5	395.0	396.6	405.6	387.5	390.5	383.0	386.0	393.5	404.1	408.6
142.5°	344.0	350.0	336.5	329.0	322.9	341.0	354.5	356.0	347.0	335.0	339.5
145°	335.0	329.0	335.0	329.0	335.0	332.0	333.5	332.0	332.0	332.0	332.0
147.5°	339.5	345.5	345.5	345.5	336.5	338.0	339.5	341.0	341.0	347.0	345.5
150°	282.4	289.9	288.4	295.9	282.4	285.4	286.9	289.9	291.4	292.9	294.4
152.5°	238.8	240.3	244.8	247.8	246.3	244.8	243.3	243.3	246.3	249.3	250.8
155°	232.8	232.8	237.3	241.8	237.3	237.3	235.8	235.8	237.3	241.8	241.8
157.5°	223.8	225.3	225.3	228.3	225.3	226.8	225.3	225.3	226.8	228.3	229.8
160°	219.3	220.8	220.8	220.8	220.8	220.8	220.8	220.8	220.8	222.3	222.3
162.5°	219.3	219.3	219.3	217.8	217.8	219.3	219.3	219.3	219.3	217.8	219.3
165°	223.8	222.3	220.8	219.3	220.8	223.8	225.3	225.3	223.8	220.8	222.3
167.5°	232.8	232.8	231.3	229.8	231.3	232.8	234.3	234.3	232.8	231.3	231.3
170°	241.8	240.3	240.3	240.3	240.3	240.3	240.3	240.3	240.3	240.3	240.3
172.5°	247.8	247.8	249.3	247.8	249.3	249.3	247.8	247.8	247.8	247.8	249.3
175°	256.9	256.9	256.9	256.9	258.4	258.4	258.4	258.4	258.4	258.4	258.4
177.5°	262.9	262.9	262.9	262.9	262.9	262.9	262.9	262.9	262.9	262.9	262.9
180°	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4



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**

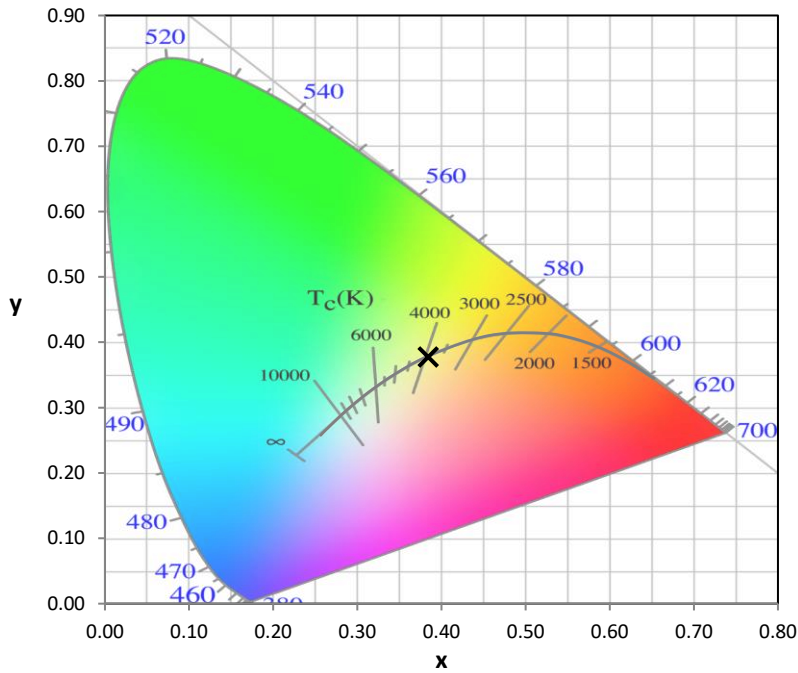
Stabilization Time: 0.818109M  
 Operation Time: 1H  
 Sphere Temperature (°C): 24.6

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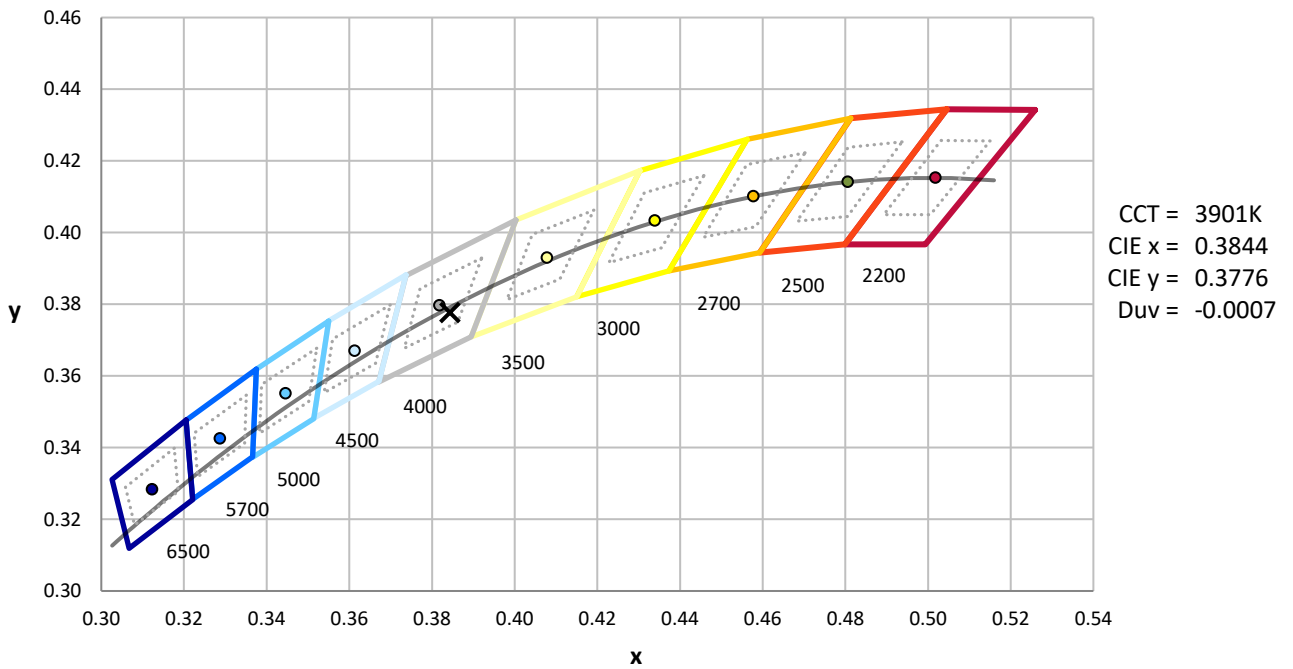
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



CCT = 3901K  
CIE x = 0.3844  
CIE y = 0.3776  
Duv = -0.0007

Point lies inside the ANSI 4000K 4-step quadrangle

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**Photopic Flux vs. Wavelength**



**Photopic Lumens: NR**

$\lambda$ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens ( $\phi/\text{nm}$ )	$\lambda$ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens ( $\phi/\text{nm}$ )	$\lambda$ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens ( $\phi/\text{nm}$ )	$\lambda$ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens ( $\phi/\text{nm}$ )	$\lambda$ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens ( $\phi/\text{nm}$ )
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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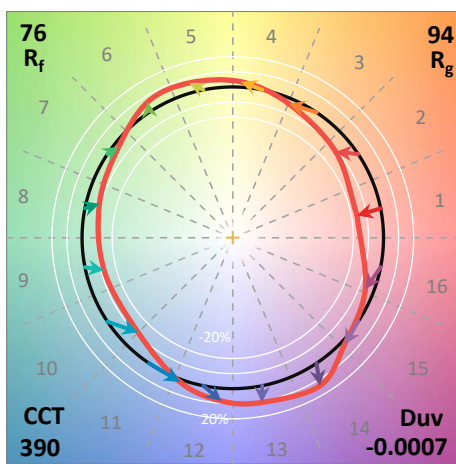
TM-30-18

**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 ( $R_{f,i}$ )**

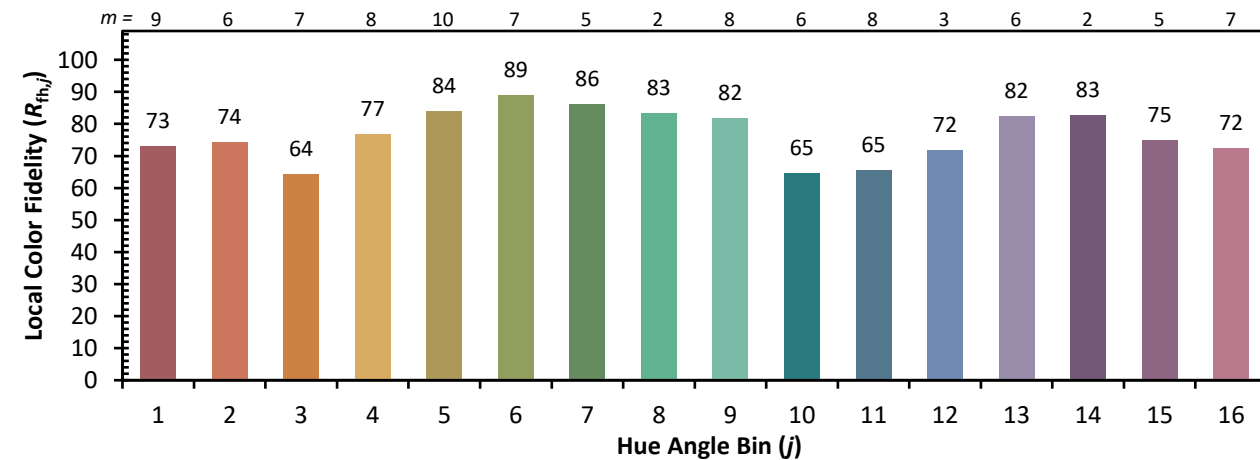
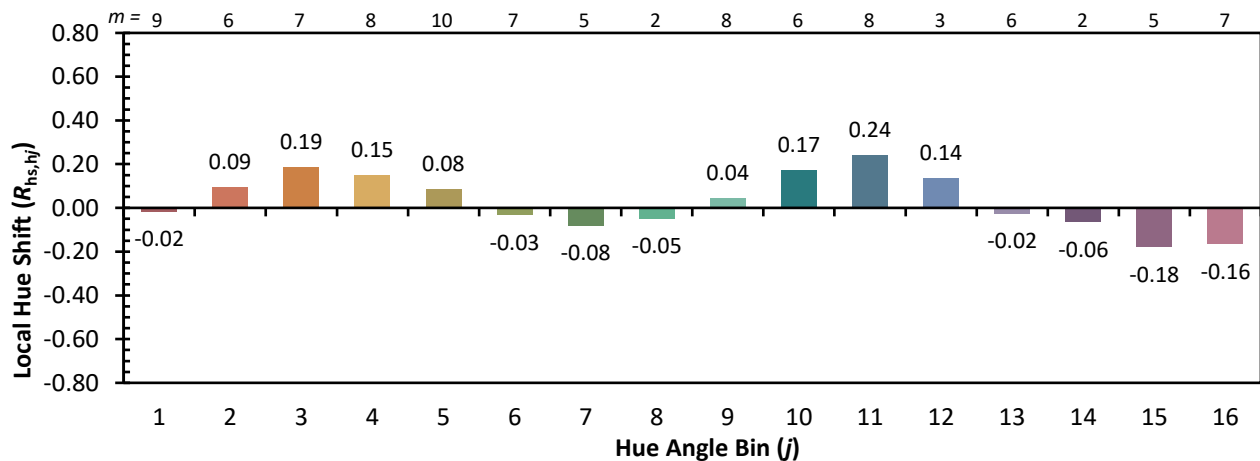
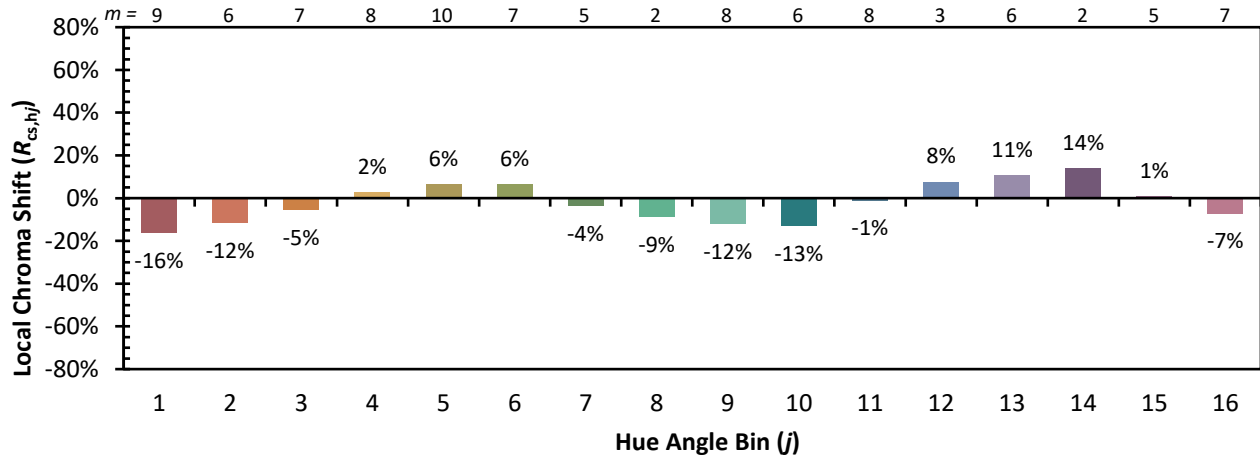
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CES04 = 70	CES29 = 72	CES54 = 86	CES79 = 84
CES05 = 48	CES30 = 89	CES55 = 84	CES80 = 81
CES06 = 51	CES31 = 75	CES56 = 77	CES81 = 79
CES07 = 40	CES32 = 66	CES57 = 76	CES82 = 92
CES08 = 39	CES33 = 83	CES58 = 76	CES83 = 92
CES09 = 29	CES34 = 74	CES59 = 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
CES25 = 72	CES50 = 89	CES75 = 56	



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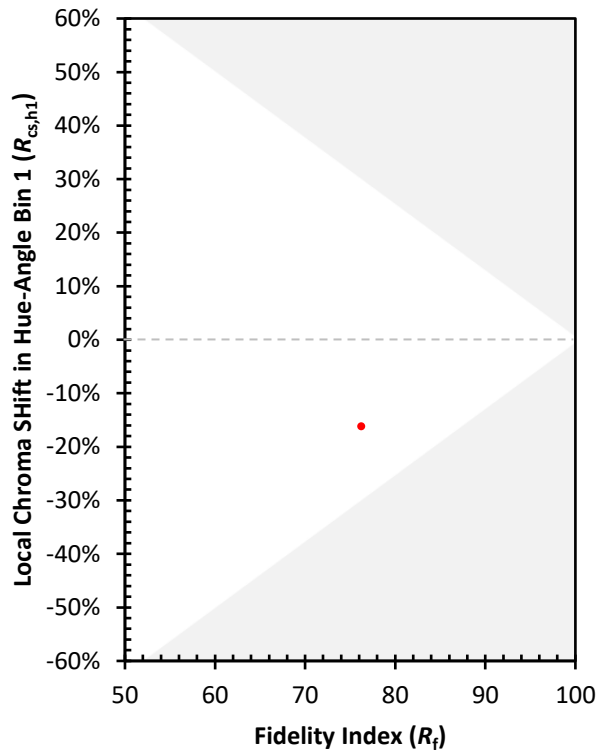
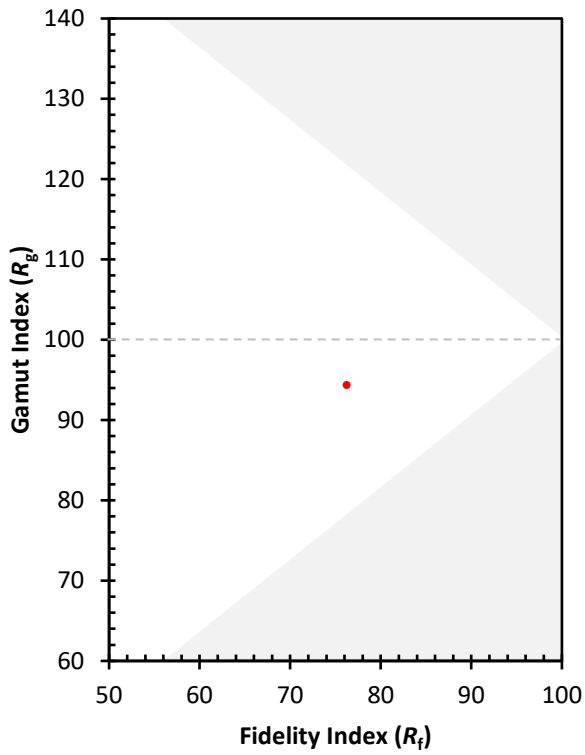
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)