

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: P856313

Luminaire Tested: **FFX-CLB-50-740-U-FG**

Issue Date: 07/16/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P856313  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 07/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: FFX-CLB-50-740-U-FG  
Description: FAIRFAX POST TOP FIXTURE w/ FROSTED GLOBE  
Light Source: (6) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

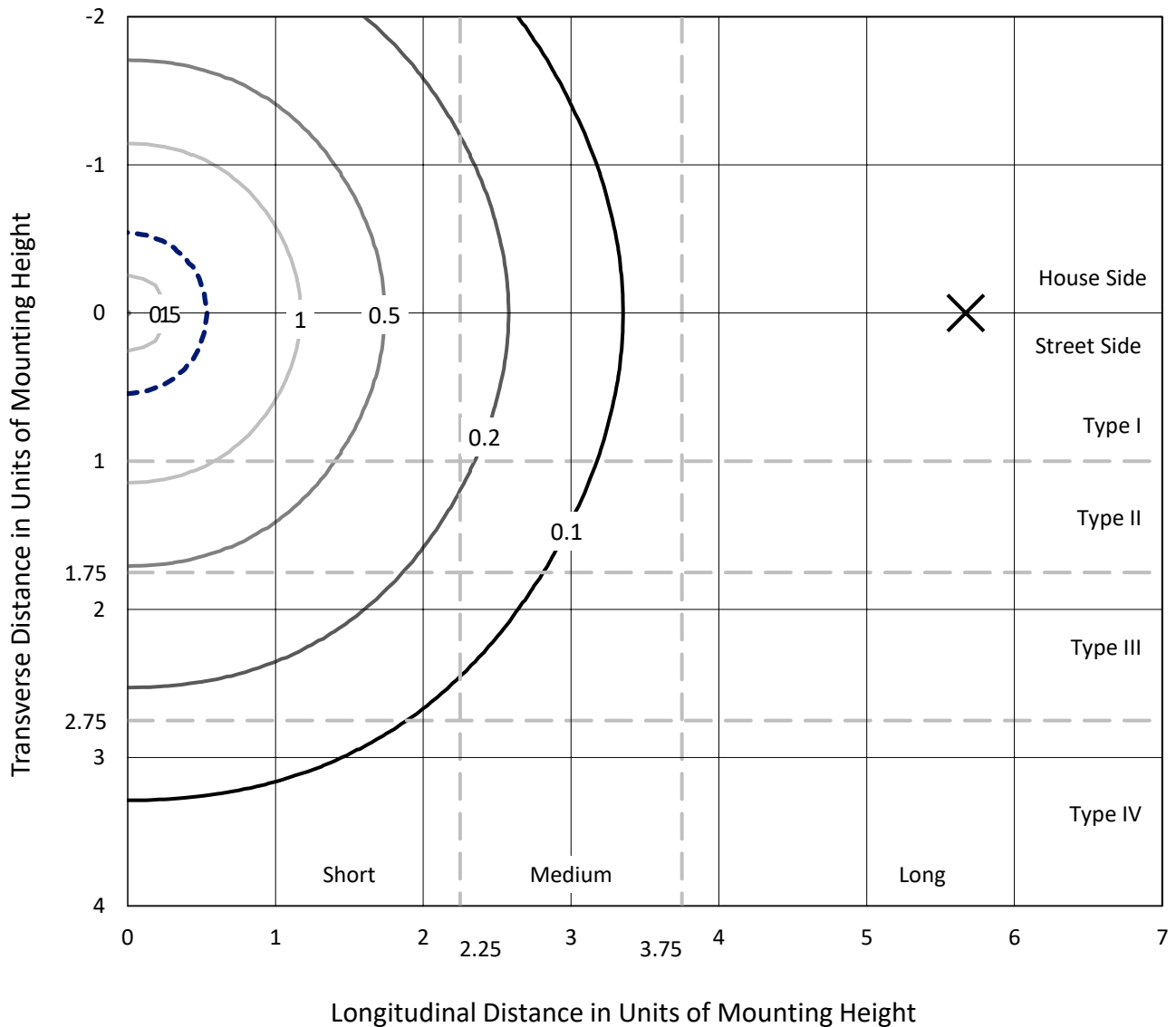
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8696.2 lumens  
Efficiency: N/A  
Efficacy: 172.2 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 1.5')  
IES Classification: Type V - Short  
BUG Rating: B2 - U5 - G4  
  
Input Watts (W): 50.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.99  
Total Harmonic Distortion (THDi): 6.0%%  
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

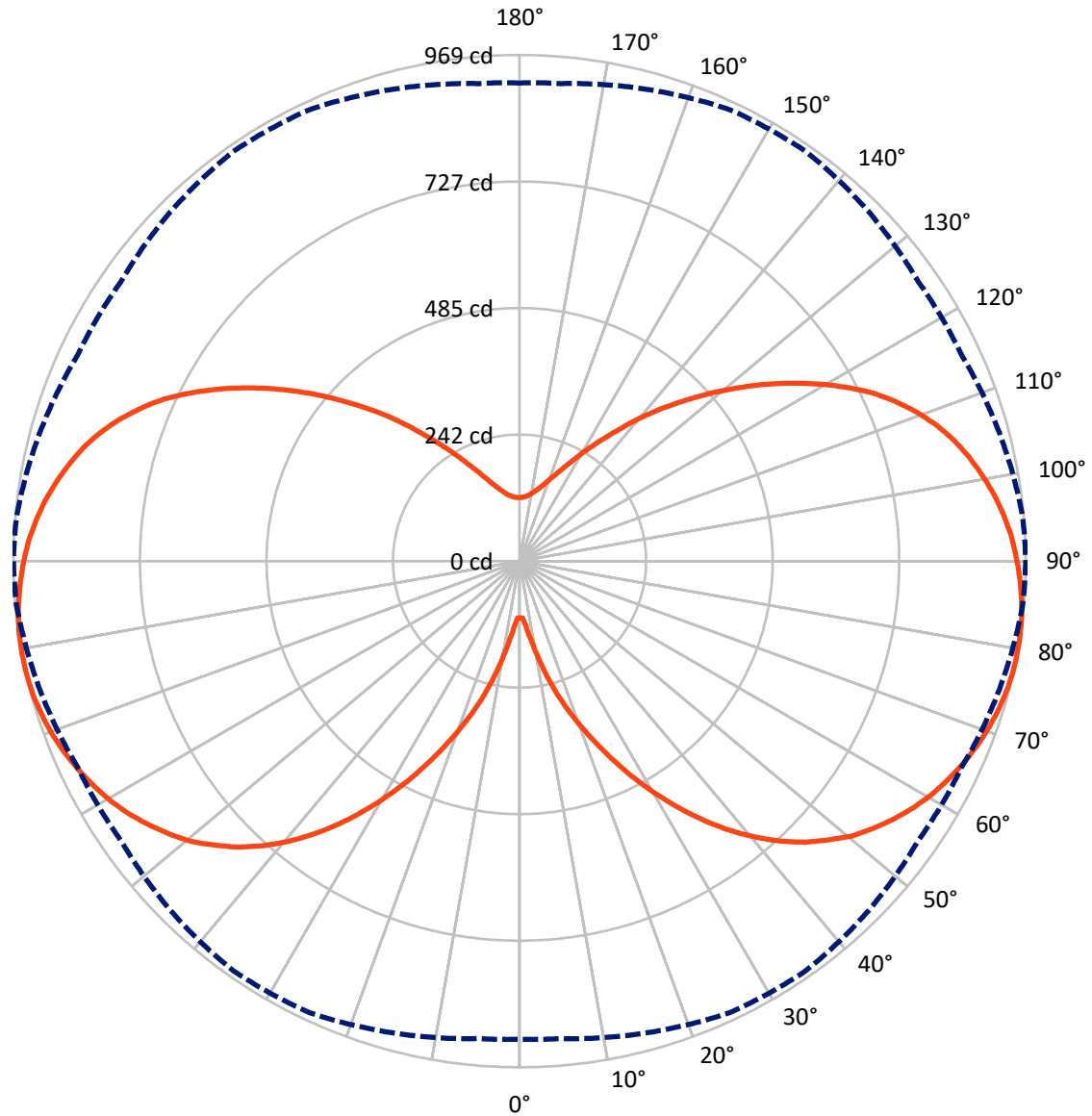
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.5 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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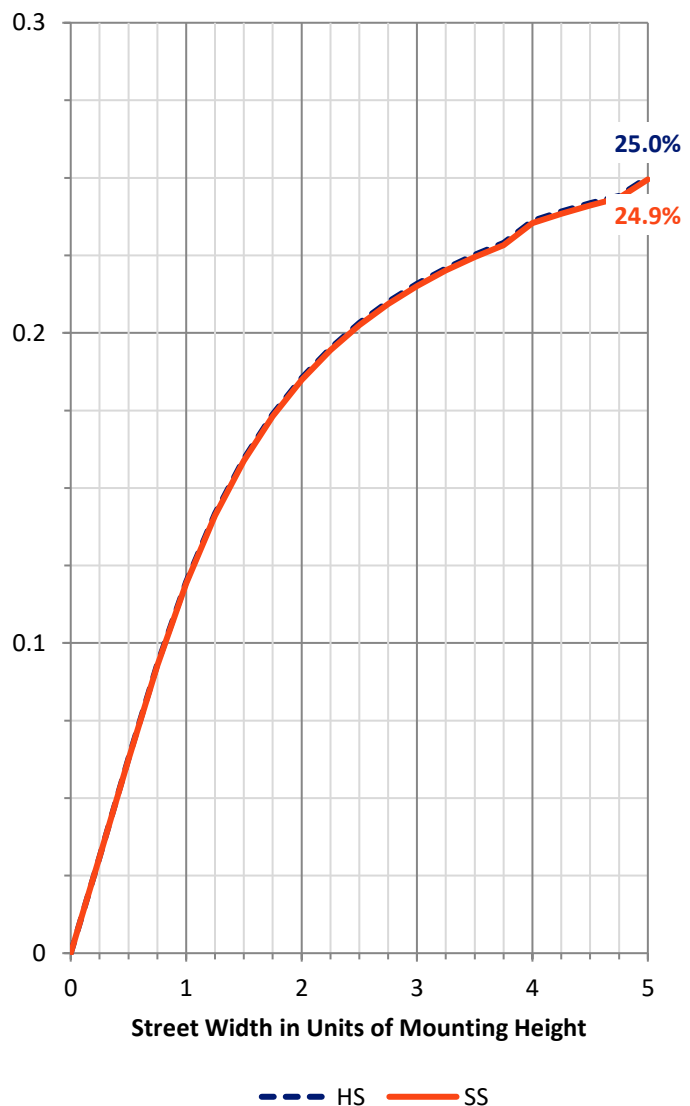
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2474.2	1873.9	4348.1
	% Fixture	28.5	21.5	50.0
<b>Street Side</b>	Lumens	2474.2	1873.9	4348.1
	% Fixture	28.5	21.5	50.0
<b>Total</b>	Lumens	4948.3	3747.9	8696.2
	% Fixture	56.9	43.1	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.8	0.2
10°-20°	75.9	0.9
20°-30°	199.5	2.3
30°-40°	381.5	4.4
40°-50°	586.4	6.7
50°-60°	768.2	8.8
60°-70°	906.6	10.4
70°-80°	994.6	11.4
80°-90°	1021.9	11.8
90°-100°	984.5	11.3
100°-110°	882.8	10.2
110°-120°	717.3	8.2
120°-130°	512.6	5.9
130°-140°	324.2	3.7
140°-150°	181.6	2.1
150°-160°	91.4	1.1
160°-170°	41.5	0.5
170°-180°	12.0	0.1
0°-90°	4948.3	56.9
0°-180°	8696.2	100.0



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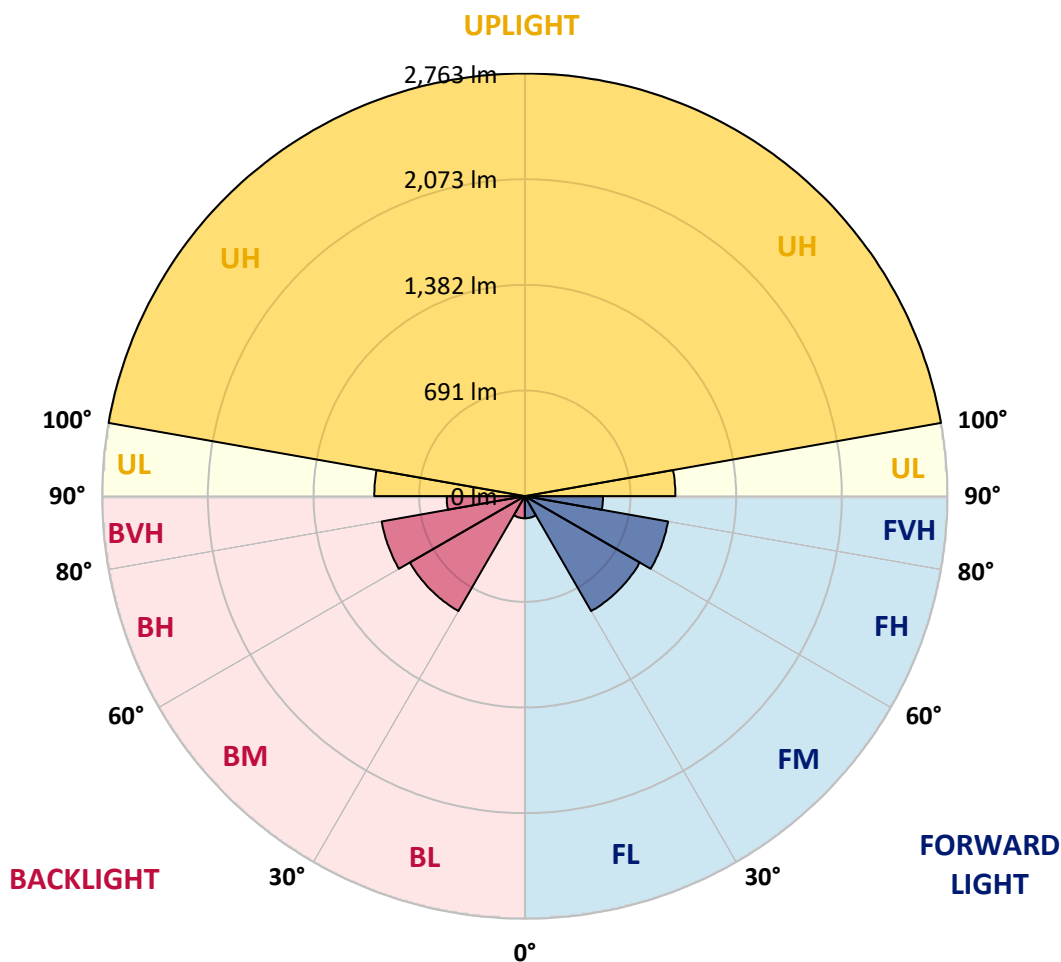
CATALOG NUMBER: FFX-CLB-50-740-U-FG

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	144.6	1.7			
FM (30°-60°)	868.0	10.0			
FH (60°-80°)	950.6	10.9			G1/1800
FVH (80°-90°)	511.0	5.9			G4/750
BL (0°-30°)	144.6	1.7	B1/500		
BM (30°-60°)	868.0	10.0	B1/1000		
BH (60°-80°)	950.6	10.9	B2/1000		G1/1800
BVH (80°-90°)	511.0	5.9			G4/750
UL (90°-100°)	984.5	11.3		U4/1000	
UH (100°-180°)	2763.4	31.8		U5	

**BUG Rating: B2-U5-G4**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2
2.5°	114.5	114.5	114.0	112.9	112.4	111.8	110.8	109.2	108.6	108.6	108.6
5°	124.7	125.2	125.2	124.7	125.2	124.2	124.2	123.1	123.6	123.6	124.2
7.5°	149.8	149.8	150.4	150.4	150.9	149.8	150.4	149.8	150.4	150.4	149.8
10°	182.5	182.5	183.6	182.5	183.0	182.0	181.4	181.4	183.0	182.5	182.0
12.5°	219.4	220.5	219.9	219.4	220.5	219.4	218.3	218.9	221.0	219.9	219.4
15°	258.5	259.5	260.6	259.0	259.5	259.0	258.5	259.0	261.2	260.1	259.5
17.5°	298.1	298.6	299.7	297.5	298.1	298.6	298.1	298.6	300.2	299.7	299.2
20°	337.7	338.8	339.8	337.7	338.2	338.8	338.2	338.8	340.9	339.8	339.3
22.5°	379.4	380.0	382.1	379.4	380.5	381.0	380.0	381.0	383.2	382.1	381.6
25°	422.8	422.2	425.4	423.3	423.8	424.9	423.8	424.9	427.6	427.6	426.0
27.5°	467.2	467.2	469.9	468.3	469.3	468.8	469.9	470.9	473.6	474.1	472.5
30°	511.6	511.6	515.9	513.2	514.8	515.4	515.4	516.4	519.6	520.7	518.6
32.5°	556.0	556.0	558.2	558.7	559.8	560.3	561.4	561.4	565.7	566.2	565.1
35°	599.4	599.4	601.5	602.6	605.3	604.2	605.8	605.8	610.6	611.1	610.6
37.5°	640.6	641.1	643.8	644.9	647.0	647.0	648.1	649.1	653.4	655.0	654.5
40°	679.6	680.7	682.9	685.0	687.1	687.1	687.7	689.3	694.1	695.7	695.2
42.5°	715.0	715.5	718.7	721.9	724.1	724.1	724.6	725.7	731.0	733.2	733.2
45°	746.0	747.6	751.9	756.2	758.3	757.8	757.8	759.4	765.3	767.9	767.9
47.5°	774.9	777.0	781.9	786.1	788.3	788.3	787.7	789.4	795.8	799.0	797.4
50°	800.6	802.2	807.5	814.0	815.6	815.6	814.0	815.6	822.5	826.8	826.8
52.5°	822.0	823.6	830.0	837.0	839.1	838.6	836.4	838.1	845.0	849.8	849.3
55°	840.2	842.3	849.3	857.9	860.0	858.4	855.7	857.3	864.8	871.2	870.7
57.5°	856.8	858.4	866.4	875.5	878.7	876.0	872.3	873.9	882.5	889.4	890.0
60°	870.7	872.3	881.4	892.1	894.8	891.6	886.8	888.4	898.0	906.0	907.1
62.5°	882.5	884.1	894.2	906.0	909.8	904.9	899.1	900.7	911.4	920.5	921.0
65°	892.1	893.7	905.5	917.8	921.5	916.2	909.2	910.8	922.6	932.8	933.8
67.5°	899.6	901.7	915.1	928.5	931.7	925.3	917.3	918.9	931.7	943.5	944.5
70°	906.0	908.7	922.6	937.1	940.8	933.3	923.7	925.8	940.3	952.0	953.6
72.5°	910.8	913.5	928.5	944.0	948.3	939.2	928.5	930.6	946.2	959.0	960.6
75°	914.0	916.7	932.8	949.4	953.1	943.5	931.7	933.8	949.9	963.8	966.0
77.5°	915.6	918.3	935.4	952.6	956.3	945.1	932.8	934.9	951.5	966.5	968.6
80°	915.6	917.8	935.4	953.6	956.9	945.6	932.2	933.8	951.0	967.0	969.2
82.5°	914.0	916.2	934.4	952.6	955.8	943.5	929.6	931.7	949.4	965.4	968.1
85°	910.3	912.4	930.6	949.4	952.6	939.2	924.7	926.9	944.5	961.7	964.3
87.5°	904.9	907.6	925.3	944.0	946.7	932.8	918.9	919.9	938.7	956.3	958.5
90°	898.5	901.2	917.8	936.5	939.2	925.3	910.8	912.4	930.6	948.8	951.0
92.5°	891.0	893.2	909.2	926.4	929.6	915.1	901.2	903.3	921.5	939.7	942.4
95°	881.4	883.0	898.0	914.0	916.7	903.9	890.0	892.1	910.3	928.0	930.6
97.5°	869.6	870.7	884.1	898.5	901.7	889.4	876.6	878.7	896.4	914.0	917.3
100°	856.2	856.8	868.6	880.9	883.5	873.4	861.6	864.3	880.9	899.1	901.2
102.5°	840.7	840.7	850.4	860.5	863.7	855.2	845.0	847.7	863.7	880.9	883.5
105°	823.6	822.0	829.0	837.0	840.7	834.3	826.8	829.0	843.9	860.5	863.7
107.5°	802.2	800.6	805.4	812.4	816.1	811.3	805.4	808.6	821.5	837.0	840.2
110°	778.1	776.0	778.1	783.5	787.7	784.5	781.3	784.0	796.3	810.8	812.9



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 CATALOG NUMBER: FFX-CLB-50-740-U-FG

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	750.3	747.6	748.1	751.9	755.6	755.1	753.0	757.2	767.4	779.2	781.9
115°	718.2	715.5	713.9	716.0	719.2	721.4	723.5	726.2	734.2	743.9	748.1
117.5°	684.5	680.2	677.5	677.5	681.3	685.0	688.7	692.5	697.8	706.9	708.5
120°	645.4	642.7	639.0	639.0	642.2	645.9	651.8	656.1	659.3	665.7	667.9
122.5°	606.9	603.1	599.4	599.4	601.5	606.9	614.9	618.6	620.2	624.0	625.6
125°	567.8	563.5	559.2	559.2	561.4	566.7	575.8	579.0	580.1	581.7	583.3
127.5°	528.2	523.9	520.2	518.6	521.8	526.1	535.2	539.4	540.0	540.0	541.0
130°	488.6	485.4	481.6	480.0	483.2	487.0	497.2	501.4	499.3	499.3	499.8
132.5°	451.1	447.9	444.2	443.1	445.2	450.1	459.2	462.9	461.3	459.2	459.7
135°	414.7	412.1	407.3	406.7	409.9	412.1	420.6	424.4	422.8	420.6	421.2
137.5°	380.0	377.3	373.0	372.5	375.7	378.4	384.8	388.5	386.4	384.2	384.8
140°	346.8	343.6	340.4	339.8	342.0	344.6	350.5	352.7	350.5	348.9	349.5
142.5°	315.7	313.6	309.9	309.9	310.9	313.1	317.9	320.0	317.9	315.7	314.7
145°	286.3	283.6	281.5	281.0	282.0	284.2	287.4	289.5	287.4	285.8	284.7
147.5°	260.1	257.9	255.8	255.8	256.3	257.9	260.6	261.2	259.5	258.5	257.4
150°	236.0	233.9	232.8	232.3	232.8	233.3	235.5	236.5	234.9	233.9	232.8
152.5°	214.1	212.5	211.4	211.9	211.9	212.5	213.0	213.5	211.9	211.9	210.9
155°	194.8	193.7	192.7	193.2	193.2	193.2	193.7	193.7	192.7	192.7	192.1
157.5°	178.7	177.7	177.1	177.7	177.7	177.1	177.7	177.7	176.6	176.6	176.1
160°	164.8	163.8	163.8	163.8	163.8	163.2	164.3	163.8	163.2	162.7	162.7
162.5°	153.6	152.5	152.5	153.1	152.5	152.5	152.5	152.5	152.0	152.0	151.4
165°	144.5	143.4	143.4	144.0	143.4	143.4	143.4	143.4	142.9	142.9	142.9
167.5°	137.0	136.5	136.5	136.5	136.5	135.9	136.5	136.5	135.9	135.9	135.9
170°	131.1	130.6	130.6	130.6	130.6	130.6	130.6	130.6	130.6	130.0	130.0
172.5°	127.4	126.8	126.8	126.8	126.8	126.8	126.8	126.8	126.3	126.3	126.3
175°	124.7	124.2	124.2	124.2	124.2	124.2	124.2	124.2	124.2	123.6	123.6
177.5°	123.1	122.6	122.6	122.6	122.6	122.6	122.6	122.6	122.6	122.0	122.0
180°	122.0	122.0	122.0	122.0	122.0	122.0	122.0	122.0	122.0	122.0	122.0



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: SP1-2406-133-1

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.

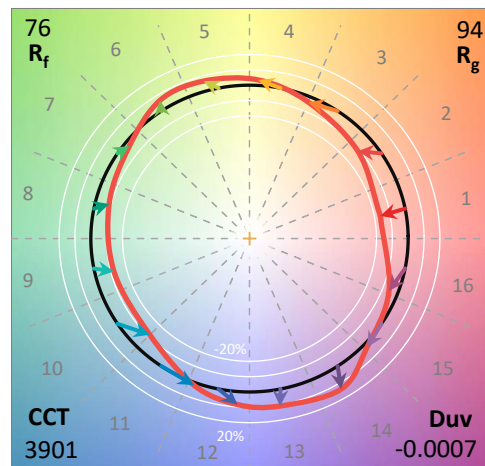
**Test Information**

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**

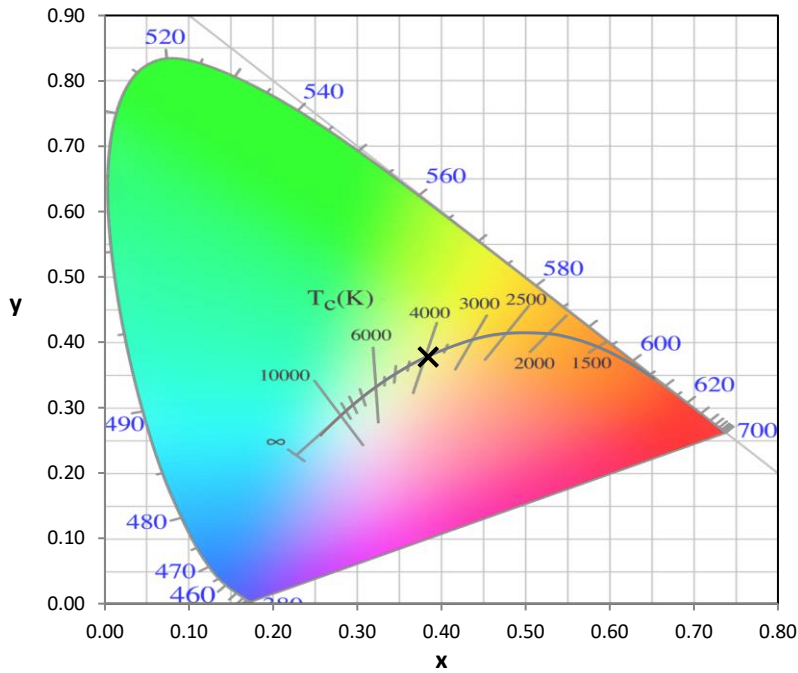
Stabilization Time: 0.818109M  
 Operation Time: 1H  
 Sphere Temperature (°C): 24.6

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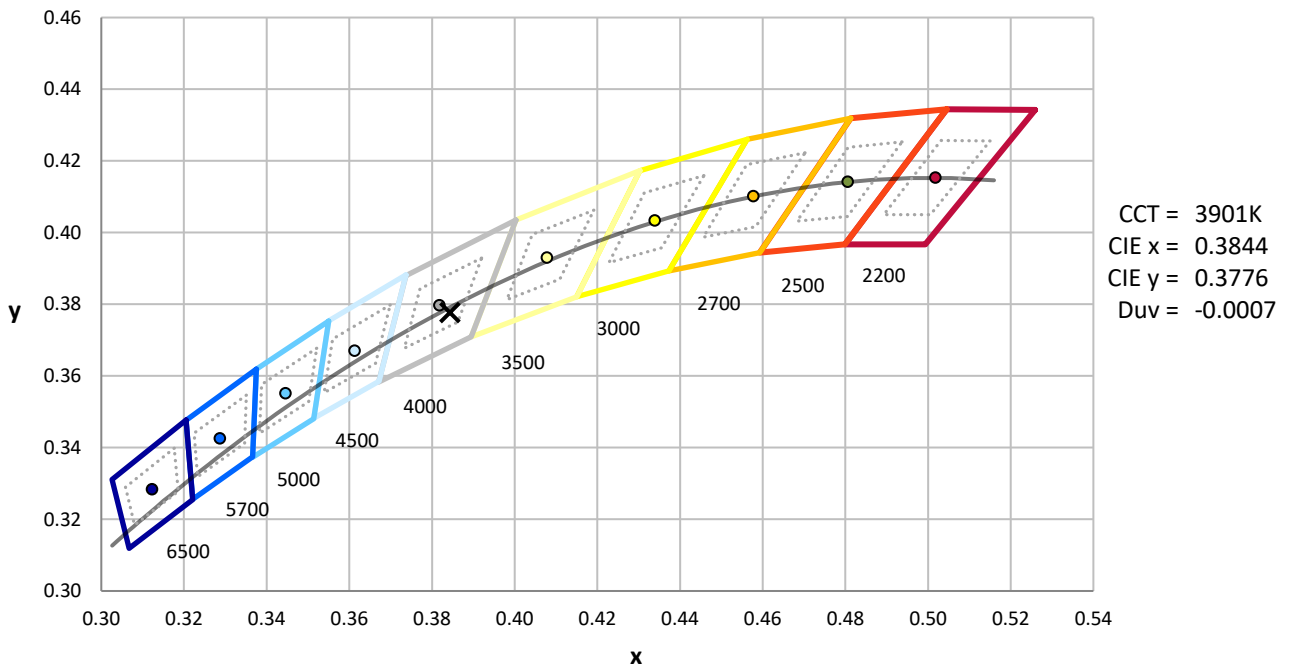
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2406-133-1

**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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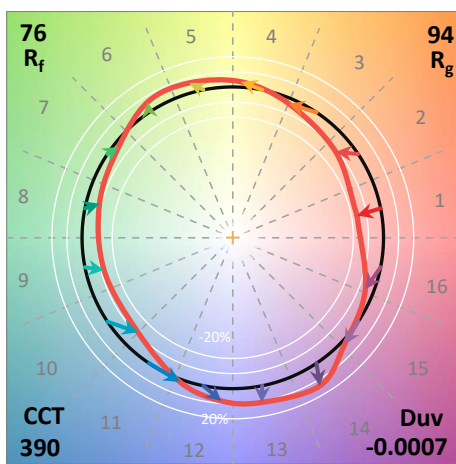
TM-30-18

**Summary**

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



**Color Vector Graphics**



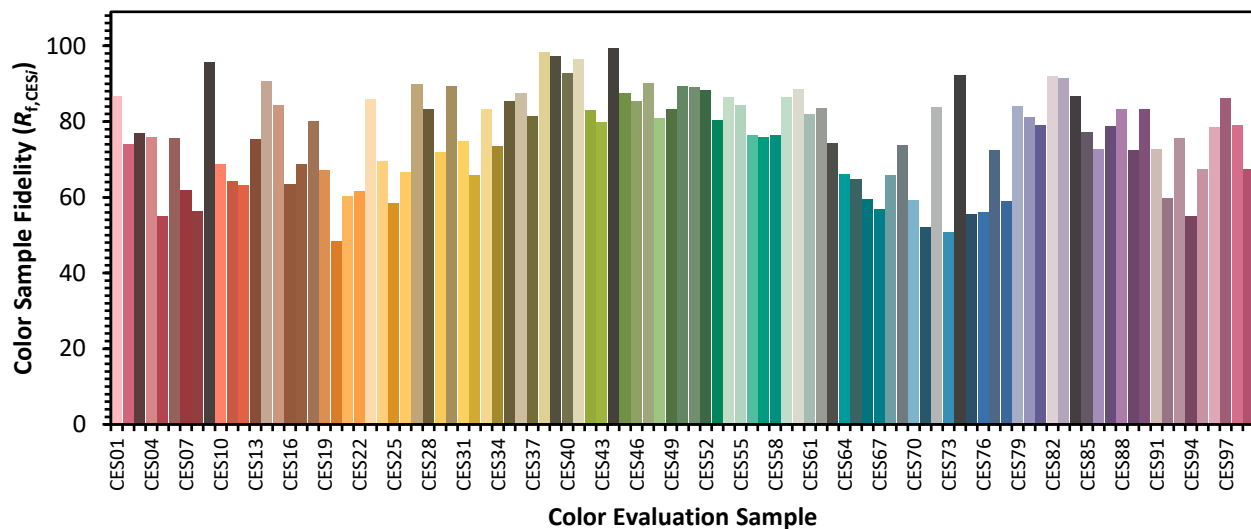


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**Individual Sample Fidelity Index ( $R_{f,i}$ )**

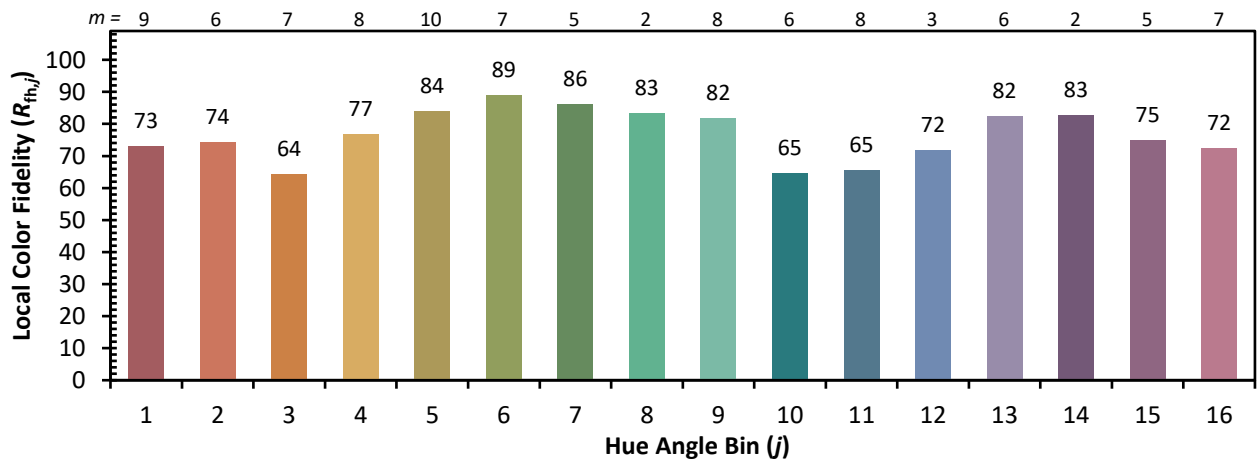
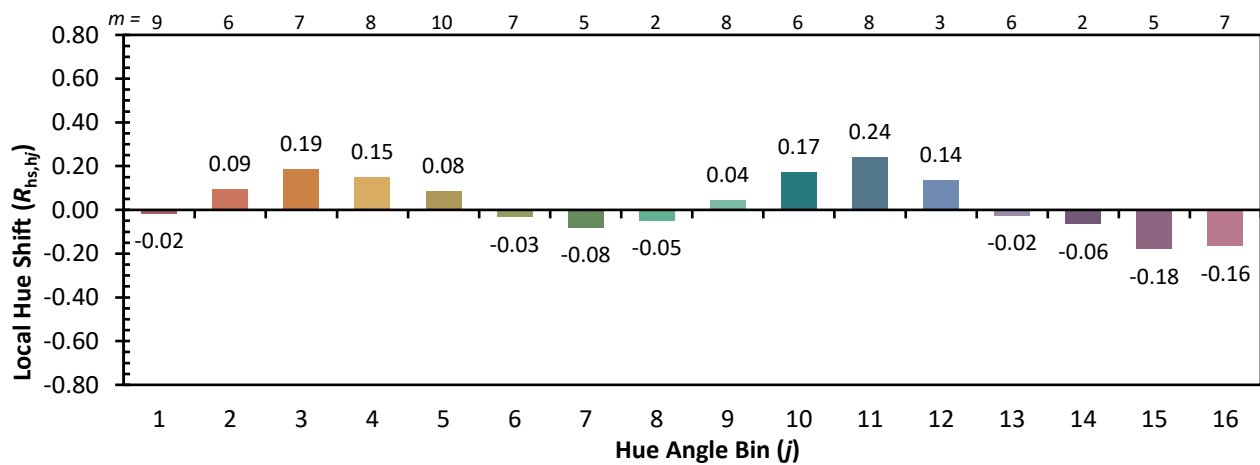
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CES03 = 30	CES28 = 83	CES53 = 80	CES78 = 59
CES04 = 70	CES29 = 72	CES54 = 86	CES79 = 84
CES05 = 48	CES30 = 89	CES55 = 84	CES80 = 81
CES06 = 51	CES31 = 75	CES56 = 77	CES81 = 79
CES07 = 40	CES32 = 66	CES57 = 76	CES82 = 92
CES08 = 39	CES33 = 83	CES58 = 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
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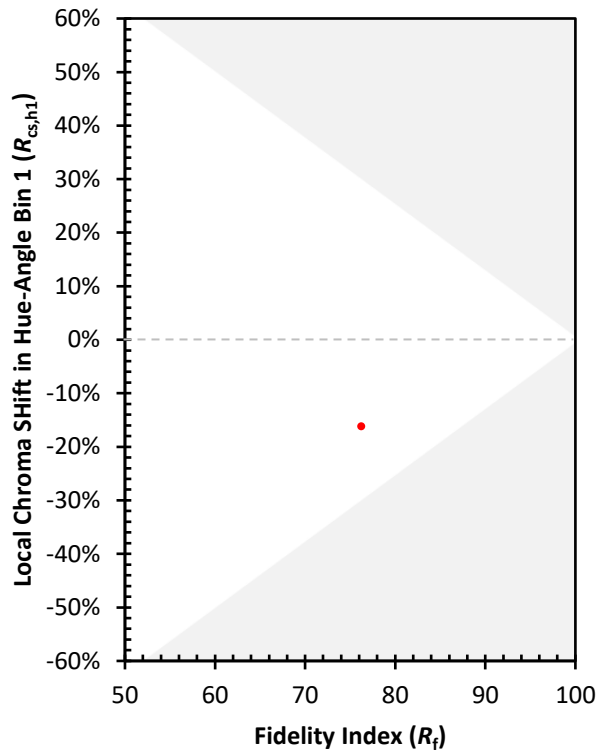
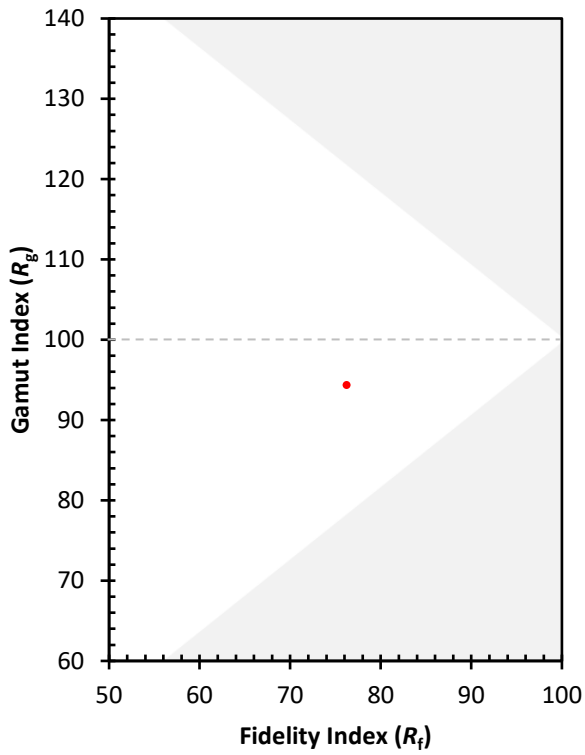
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)