

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: P856079

Luminaire Tested: **FFX-CLB-50-730-U-FR-T5**

Issue Date: 07/16/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P856079  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 07/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: FFX-CLB-50-730-U-FR-T5  
Description: FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS  
Light Source: (6) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

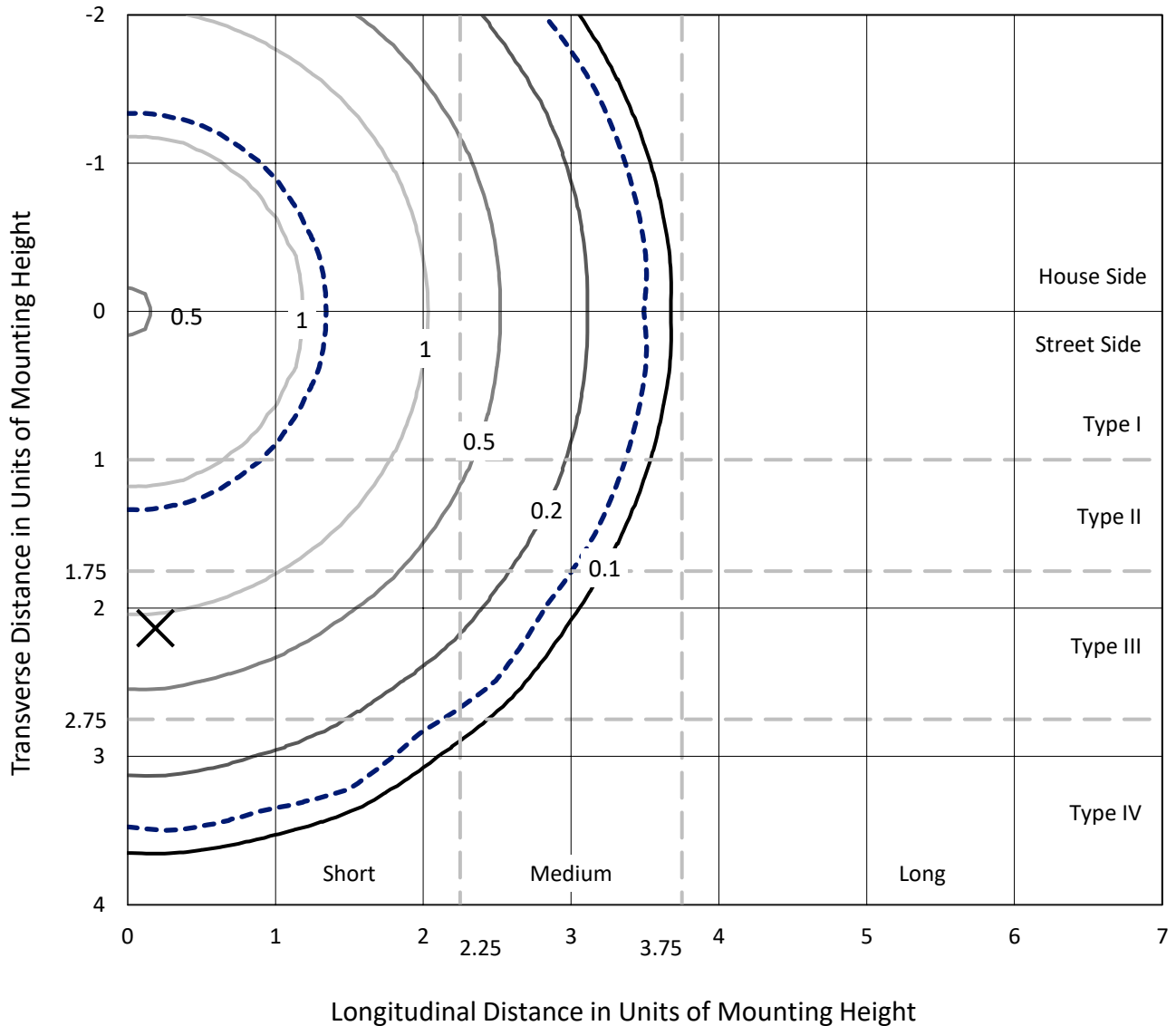
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8146.7 lumens  
Efficiency: N/A  
Efficacy: 161.3 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 1.67')  
IES Classification: Type V - Short  
BUG Rating: B3 - U5 - G3  
  
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

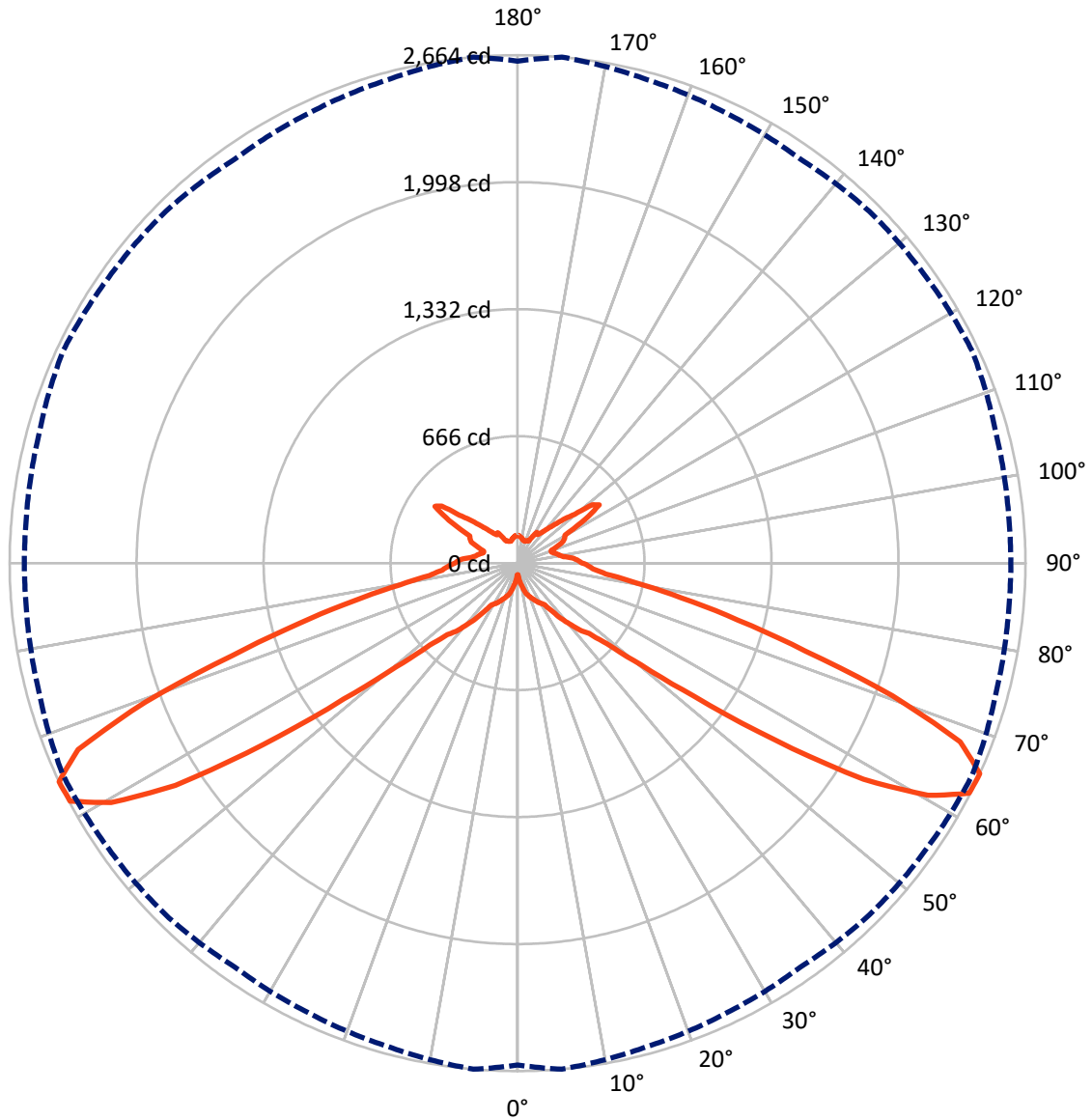
✕ Max cd  
 - - - 1/2 Max cd



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

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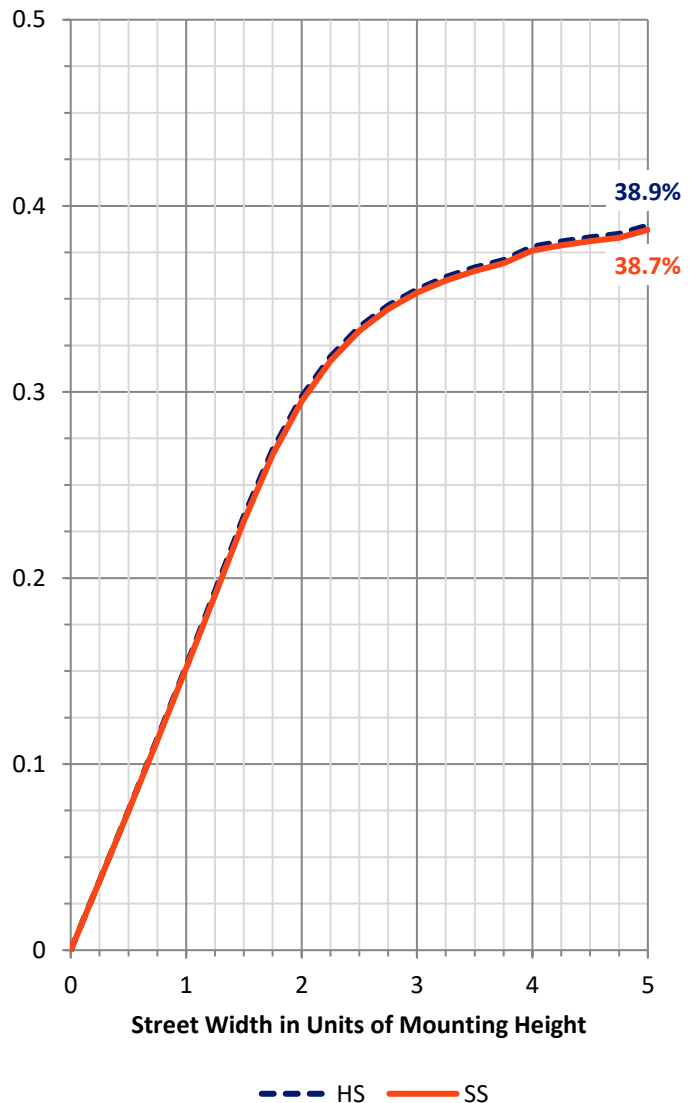
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3282.8	790.6	4073.4
	% Fixture	40.3	9.7	50.0
<b>Street Side</b>	Lumens	3282.8	790.6	4073.4
	% Fixture	40.3	9.7	50.0
<b>Total</b>	Lumens	6565.5	1581.2	8146.7
	% Fixture	80.6	19.4	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.3	0.1
10°-20°	46.5	0.6
20°-30°	101.1	1.2
30°-40°	200.6	2.5
40°-50°	435.0	5.3
50°-60°	1498.3	18.4
60°-70°	2460.8	30.2
70°-80°	1320.7	16.2
80°-90°	493.2	6.1
90°-100°	311.5	3.8
100°-110°	208.6	2.6
110°-120°	229.3	2.8
120°-130°	379.4	4.7
130°-140°	223.5	2.7
140°-150°	118.2	1.5
150°-160°	62.1	0.8
160°-170°	35.3	0.4
170°-180°	13.3	0.2
0°-90°	6565.5	80.6
0°-180°	8146.7	100.0



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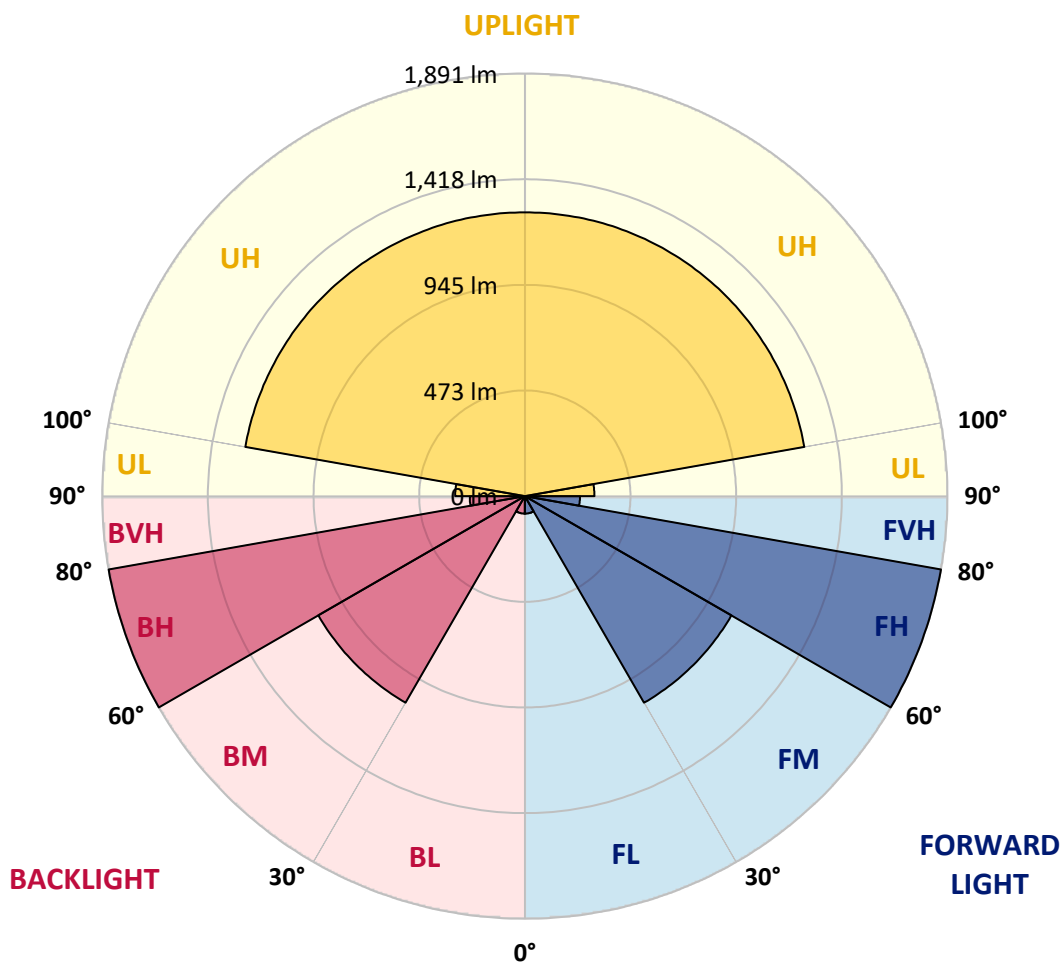
CATALOG NUMBER: FFX-CLB-50-730-U-FR-T5

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	78.4	1.0			
FM (30°-60°)	1067.0	13.1			
FH (60°-80°)	1890.8	23.2			G2/5000
FVH (80°-90°)	246.6	3.0			G3/500
BL (0°-30°)	78.4	1.0	B0/110		
BM (30°-60°)	1067.0	13.1	B2/2500		
BH (60°-80°)	1890.8	23.2	B3/2500		G2/5000
BVH (80°-90°)	246.6	3.0			G3/500
UL (90°-100°)	311.5	3.8		U3/500	
UH (100°-180°)	1269.6	15.6		U5	

**BUG Rating: B3-U5-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
2.5°	63.9	63.9	63.1	62.3	63.1	63.9	63.9	64.8	63.1	63.1	63.9
5°	85.5	85.5	85.5	84.7	83.0	83.0	82.2	84.7	85.5	86.4	86.4
7.5°	106.3	105.5	107.1	107.9	103.8	102.1	102.1	103.0	104.6	106.3	107.9
10°	120.4	119.6	120.4	123.7	122.9	120.4	120.4	120.4	122.9	127.0	127.9
12.5°	142.0	142.0	143.7	146.1	147.0	144.5	142.8	142.8	146.1	147.0	146.1
15°	165.2	165.2	164.4	163.6	164.4	163.6	163.6	164.4	166.9	166.1	166.1
17.5°	177.7	176.9	176.0	176.9	176.9	176.0	176.9	178.5	177.7	180.2	181.0
20°	191.0	191.0	189.3	189.3	189.3	190.2	191.0	190.2	191.0	191.8	192.6
22.5°	203.4	203.4	202.6	201.8	202.6	203.4	204.3	202.6	202.6	204.3	204.3
25°	217.6	217.6	217.6	215.1	215.9	216.7	215.9	215.1	215.9	216.7	217.6
27.5°	233.3	233.3	231.7	229.2	230.0	230.0	230.8	229.2	230.8	230.8	230.8
30°	246.6	245.0	244.1	242.5	242.5	244.1	245.8	243.3	244.1	244.1	245.0
32.5°	259.1	259.1	258.2	254.9	254.1	259.1	260.7	259.9	256.6	257.4	258.2
35°	305.6	305.6	299.8	293.9	298.9	298.1	304.7	304.7	304.7	306.4	309.7
37.5°	363.7	366.2	375.3	388.6	388.6	369.5	359.5	358.7	372.0	383.6	382.8
40°	415.2	417.7	415.2	416.8	415.2	416.0	416.8	415.2	407.7	405.2	400.2
42.5°	479.1	479.9	464.2	445.9	447.6	456.7	467.5	468.3	452.5	445.1	443.4
45°	524.0	525.6	519.8	517.3	517.3	520.6	519.8	519.8	514.0	513.2	511.5
47.5°	633.6	630.2	618.6	614.5	619.5	617.0	632.7	628.6	621.9	621.9	627.8
50°	840.3	837.0	837.8	833.7	847.0	827.9	847.0	842.0	832.0	837.0	841.2
52.5°	1178.3	1157.5	1160.0	1151.7	1175.0	1157.5	1189.1	1184.9	1152.5	1166.7	1167.5
55°	1664.9	1638.3	1636.6	1581.0	1624.2	1630.0	1669.9	1679.8	1616.7	1617.5	1621.7
57.5°	2147.3	2139.0	2165.6	2130.7	2161.4	2147.3	2146.5	2164.8	2128.2	2133.2	2146.5
60°	2467.0	2473.7	2503.5	2512.7	2523.5	2503.5	2462.9	2471.2	2468.7	2511.0	2514.3
62.5°	2638.1	2658.0	2636.4	2629.8	2620.6	2628.1	2623.1	2628.1	2613.2	2633.1	2633.9
65°	2632.2	2663.8	2624.8	2600.7	2585.7	2609.0	2615.6	2630.6	2599.0	2586.6	2586.6
67.5°	2465.3	2503.5	2442.1	2439.6	2403.1	2442.1	2431.3	2442.9	2418.0	2400.6	2384.0
70°	2051.0	2085.9	2012.0	2021.1	1958.0	2021.9	2005.3	2026.9	2007.0	1972.9	1953.0
72.5°	1545.3	1576.0	1521.2	1535.3	1493.8	1542.0	1516.2	1552.8	1540.3	1525.4	1508.8
75°	1169.2	1193.2	1196.6	1243.9	1194.1	1217.3	1170.8	1192.4	1213.2	1230.6	1212.3
77.5°	860.3	876.9	926.7	979.0	930.0	946.6	900.1	920.9	940.0	969.9	956.6
80°	607.8	626.9	672.6	711.6	675.9	690.9	661.0	672.6	687.5	709.1	695.0
82.5°	473.3	466.7	465.0	455.0	444.2	481.6	489.1	495.7	481.6	475.8	469.2
85°	396.9	398.6	408.5	421.0	421.0	421.8	414.4	417.7	423.5	434.3	435.1
87.5°	364.5	369.5	397.7	407.7	403.6	405.2	398.6	400.2	404.4	410.2	408.5
90°	321.4	333.8	360.4	370.3	363.7	367.0	363.7	366.2	362.9	364.5	361.2
92.5°	313.9	313.0	321.4	320.5	316.4	326.3	326.3	328.0	323.8	321.4	319.7
95°	290.6	289.0	288.1	290.6	281.5	289.0	287.3	290.6	289.0	289.0	285.6
97.5°	243.3	243.3	241.6	244.1	238.3	241.6	237.5	240.0	239.1	240.0	237.5
100°	224.2	224.2	222.5	222.5	220.0	220.9	219.2	219.2	218.4	217.6	217.6
102.5°	210.9	212.6	210.1	210.9	207.6	207.6	205.9	206.8	205.9	205.9	205.1
105°	198.5	199.3	197.6	197.6	195.1	194.3	192.6	193.5	194.3	192.6	192.6
107.5°	186.0	186.8	186.0	186.0	183.5	181.8	179.4	179.4	180.2	181.0	181.0
110°	191.0	188.5	186.0	184.3	187.7	182.7	181.0	180.2	181.0	183.5	184.3



REPORT NUMBER: P856079  
 CATALOG NUMBER: FFX-CLB-50-730-U-FR-T5

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	228.3	226.7	226.7	219.2	227.5	222.5	219.2	213.4	215.9	217.6	217.6
115°	264.9	265.7	255.8	252.4	247.4	246.6	249.1	242.5	241.6	242.5	240.8
117.5°	297.3	279.8	242.5	232.5	230.0	228.3	226.7	225.0	223.4	233.3	222.5
120°	318.0	288.1	260.7	254.9	269.0	249.1	235.8	233.3	238.3	255.8	253.3
122.5°	450.9	425.1	405.2	370.3	405.2	385.3	390.3	381.1	376.2	366.2	367.9
125°	527.3	526.4	517.3	510.7	519.0	511.5	503.2	499.9	494.9	497.4	493.2
127.5°	489.9	497.4	485.8	499.0	469.2	477.5	475.8	481.6	476.6	478.3	471.6
130°	387.8	393.6	382.8	376.2	362.9	377.8	378.6	387.8	377.8	364.5	362.9
132.5°	338.8	342.9	326.3	318.0	308.9	322.2	328.0	333.0	326.3	312.2	308.9
135°	288.1	289.8	278.2	279.8	274.0	274.0	273.2	275.7	279.0	276.5	274.9
137.5°	247.4	251.6	247.4	252.4	247.4	243.3	236.7	239.1	246.6	252.4	251.6
140°	214.2	218.4	219.2	224.2	214.2	215.9	211.7	213.4	217.6	223.4	225.9
142.5°	190.2	193.5	186.0	181.8	178.5	188.5	196.0	196.8	191.8	185.2	187.7
145°	185.2	181.8	185.2	181.8	185.2	183.5	184.3	183.5	183.5	183.5	183.5
147.5°	187.7	191.0	191.0	191.0	186.0	186.8	187.7	188.5	188.5	191.8	191.0
150°	156.1	160.3	159.4	163.6	156.1	157.8	158.6	160.3	161.1	161.9	162.8
152.5°	132.0	132.9	135.3	137.0	136.2	135.3	134.5	134.5	136.2	137.8	138.7
155°	128.7	128.7	131.2	133.7	131.2	131.2	130.4	130.4	131.2	133.7	133.7
157.5°	123.7	124.6	124.6	126.2	124.6	125.4	124.6	124.6	125.4	126.2	127.0
160°	121.2	122.1	122.1	122.1	122.1	122.1	122.1	122.1	122.1	122.9	122.9
162.5°	121.2	121.2	121.2	120.4	120.4	121.2	121.2	121.2	121.2	120.4	121.2
165°	123.7	122.9	122.1	121.2	122.1	123.7	124.6	124.6	123.7	122.1	122.9
167.5°	128.7	128.7	127.9	127.0	127.9	128.7	129.5	129.5	128.7	127.9	127.9
170°	133.7	132.9	132.9	132.9	132.9	132.9	132.9	132.9	132.9	132.9	132.9
172.5°	137.0	137.0	137.8	137.0	137.8	137.8	137.0	137.0	137.0	137.0	137.8
175°	142.0	142.0	142.0	142.0	142.8	142.8	142.8	142.8	142.8	142.8	142.8
177.5°	145.3	145.3	145.3	145.3	145.3	145.3	145.3	145.3	145.3	145.3	145.3
180°	146.1	146.1	146.1	146.1	146.1	146.1	146.1	146.1	146.1	146.1	146.1



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: SP1-2406-133-4

Test Date: 07/12/2024

Luminaire Tested: FFX-CLB-100-730-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-730-U-FR-T5.

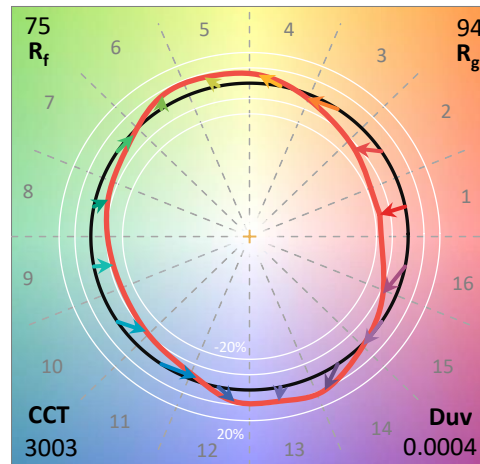
**Test Information**

Test Method: LM-79-2019  
 Report Number: SP1-2406-133-4  
 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-100-730-U-FR-T5**  
 Description: FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

**Spectral Parameters**

CCT (K): 3003  
 CIE u': 0.2503  
 CIE v': 0.5219  
 Duv: 0.0004  
 CIE x: 0.4373  
 CIE y: 0.4053  
 CIE z: 0.1573  
 Peak Wavelength (nm): 595  
 Dominant Wavelength (nm): 582  
 Purity: 52.93545  
 Rf: 75.2  
 Rg: 93.8

CRI (Ra): 71.9  
 R1: 68.2  
 R2: 82.2  
 R3: 93.9  
 R4: 67.6  
 R5: 67.2  
 R6: 75.3  
 R7: 77.6  
 R8: 43.1  
 R9: -33.7  
 R10: 59.0  
 R11: 62.4  
 R12: 48.5  
 R13: 70.8  
 R14: 96.6  
 R15: 60.0



**Test Conditions**

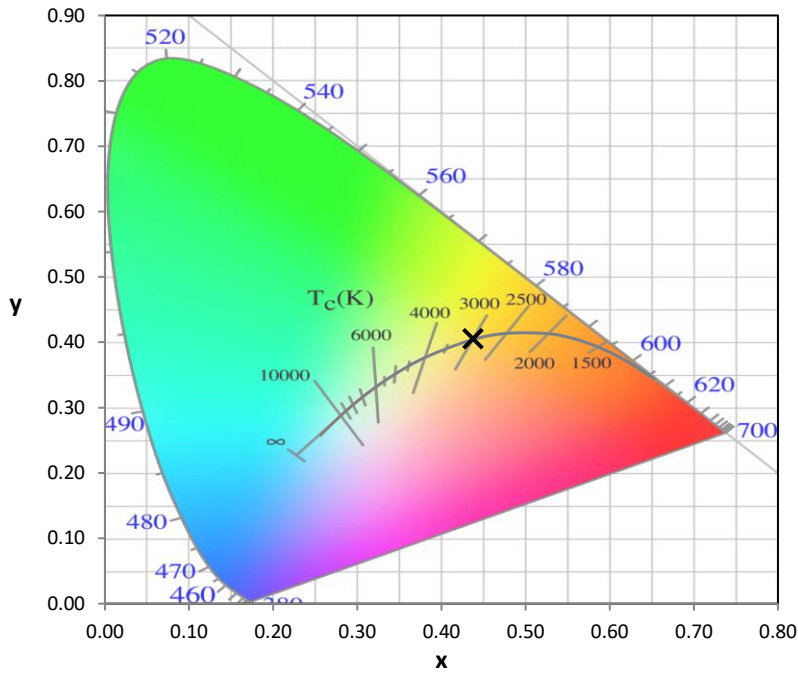
Stabilization Time: 0.794393M  
 Operation Time: 1H  
 Sphere Temperature (°C): 24.7

REPORT NUMBER: SP1-2406-133-4

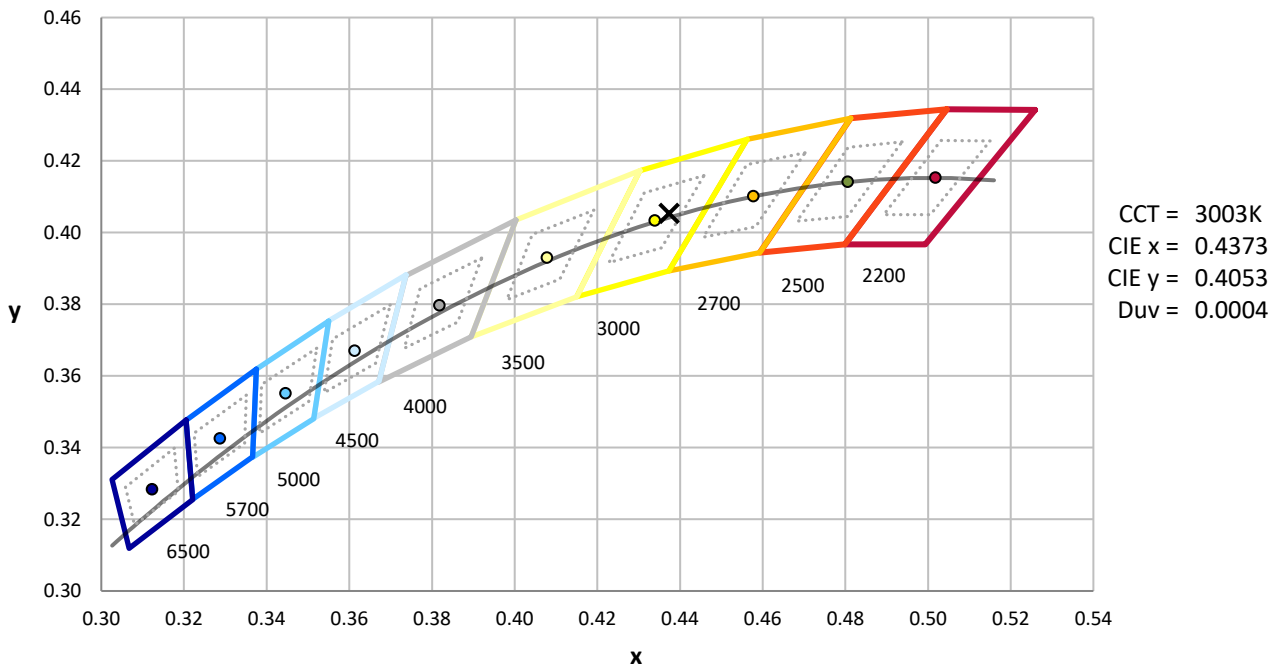
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	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 3000K 4-step quadrangle

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**Photopic Flux vs. Wavelength**

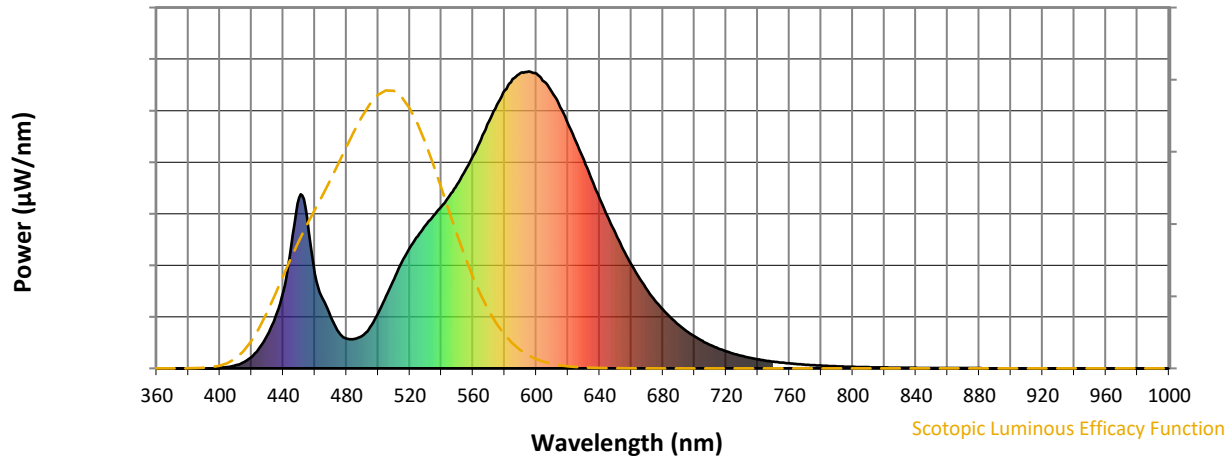


**Photopic Lumens: NR**

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	110	NR	620	825	NR	750	23	NR	880	1	NR
365	0	NR	495	139	NR	625	765	NR	755	19	NR	885	1	NR
370	0	NR	500	186	NR	630	702	NR	760	17	NR	890	0	NR
375	0	NR	505	243	NR	635	635	NR	765	14	NR	895	0	NR
380	0	NR	510	301	NR	640	572	NR	770	12	NR	900	0	NR
385	0	NR	515	357	NR	645	512	NR	775	11	NR	905	0	NR
390	0	NR	520	406	NR	650	455	NR	780	9	NR	910	0	NR
395	0	NR	525	445	NR	655	400	NR	785	8	NR	915	0	NR
400	2	NR	530	483	NR	660	350	NR	790	7	NR	920	0	NR
405	5	NR	535	514	NR	665	305	NR	795	6	NR	925	0	NR
410	10	NR	540	545	NR	670	264	NR	800	5	NR	930	0	NR
415	21	NR	545	581	NR	675	229	NR	805	4	NR	935	0	NR
420	39	NR	550	620	NR	680	198	NR	810	4	NR	940	0	NR
425	69	NR	555	666	NR	685	170	NR	815	3	NR	945	0	NR
430	112	NR	560	716	NR	690	147	NR	820	3	NR	950	0	NR
435	174	NR	565	771	NR	695	125	NR	825	3	NR	955	0	NR
440	260	NR	570	831	NR	700	107	NR	830	2	NR	960	0	NR
445	410	NR	575	887	NR	705	92	NR	835	2	NR	965	0	NR
450	574	NR	580	937	NR	710	79	NR	840	2	NR	970	0	NR
455	508	NR	585	974	NR	715	67	NR	845	1	NR	975	0	NR
460	319	NR	590	994	NR	720	57	NR	850	1	NR	980	0	NR
465	234	NR	595	1000	NR	725	49	NR	855	1	NR	985	0	NR
470	174	NR	600	992	NR	730	42	NR	860	1	NR	990	0	NR
475	121	NR	605	966	NR	735	36	NR	865	1	NR	995	0	NR
480	100	NR	610	929	NR	740	30	NR	870	1	NR	1000	0	NR
485	99	NR	615	880	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2406-133-4

Scotopic Flux vs. Wavelength



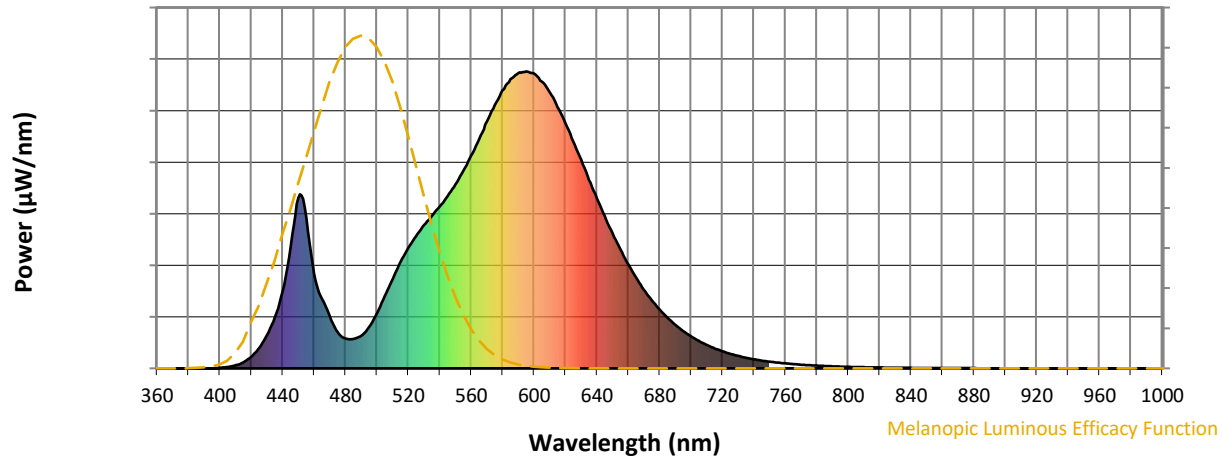
Scotopic Lumens: NR

S/P: 1.21

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	110	NR	620	825	NR	750	23	NR	880	1	NR
365	0	NR	495	139	NR	625	765	NR	755	19	NR	885	1	NR
370	0	NR	500	186	NR	630	702	NR	760	17	NR	890	0	NR
375	0	NR	505	243	NR	635	635	NR	765	14	NR	895	0	NR
380	0	NR	510	301	NR	640	572	NR	770	12	NR	900	0	NR
385	0	NR	515	357	NR	645	512	NR	775	11	NR	905	0	NR
390	0	NR	520	406	NR	650	455	NR	780	9	NR	910	0	NR
395	0	NR	525	445	NR	655	400	NR	785	8	NR	915	0	NR
400	2	NR	530	483	NR	660	350	NR	790	7	NR	920	0	NR
405	5	NR	535	514	NR	665	305	NR	795	6	NR	925	0	NR
410	10	NR	540	545	NR	670	264	NR	800	5	NR	930	0	NR
415	21	NR	545	581	NR	675	229	NR	805	4	NR	935	0	NR
420	39	NR	550	620	NR	680	198	NR	810	4	NR	940	0	NR
425	69	NR	555	666	NR	685	170	NR	815	3	NR	945	0	NR
430	112	NR	560	716	NR	690	147	NR	820	3	NR	950	0	NR
435	174	NR	565	771	NR	695	125	NR	825	3	NR	955	0	NR
440	260	NR	570	831	NR	700	107	NR	830	2	NR	960	0	NR
445	410	NR	575	887	NR	705	92	NR	835	2	NR	965	0	NR
450	574	NR	580	937	NR	710	79	NR	840	2	NR	970	0	NR
455	508	NR	585	974	NR	715	67	NR	845	1	NR	975	0	NR
460	319	NR	590	994	NR	720	57	NR	850	1	NR	980	0	NR
465	234	NR	595	1000	NR	725	49	NR	855	1	NR	985	0	NR
470	174	NR	600	992	NR	730	42	NR	860	1	NR	990	0	NR
475	121	NR	605	966	NR	735	36	NR	865	1	NR	995	0	NR
480	100	NR	610	929	NR	740	30	NR	870	1	NR	1000	0	NR
485	99	NR	615	880	NR	745	26	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.22

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	110	NR	620	825	NR	750	23	NR	880	1	NR
365	0	NR	495	139	NR	625	765	NR	755	19	NR	885	1	NR
370	0	NR	500	186	NR	630	702	NR	760	17	NR	890	0	NR
375	0	NR	505	243	NR	635	635	NR	765	14	NR	895	0	NR
380	0	NR	510	301	NR	640	572	NR	770	12	NR	900	0	NR
385	0	NR	515	357	NR	645	512	NR	775	11	NR	905	0	NR
390	0	NR	520	406	NR	650	455	NR	780	9	NR	910	0	NR
395	0	NR	525	445	NR	655	400	NR	785	8	NR	915	0	NR
400	2	NR	530	483	NR	660	350	NR	790	7	NR	920	0	NR
405	5	NR	535	514	NR	665	305	NR	795	6	NR	925	0	NR
410	10	NR	540	545	NR	670	264	NR	800	5	NR	930	0	NR
415	21	NR	545	581	NR	675	229	NR	805	4	NR	935	0	NR
420	39	NR	550	620	NR	680	198	NR	810	4	NR	940	0	NR
425	69	NR	555	666	NR	685	170	NR	815	3	NR	945	0	NR
430	112	NR	560	716	NR	690	147	NR	820	3	NR	950	0	NR
435	174	NR	565	771	NR	695	125	NR	825	3	NR	955	0	NR
440	260	NR	570	831	NR	700	107	NR	830	2	NR	960	0	NR
445	410	NR	575	887	NR	705	92	NR	835	2	NR	965	0	NR
450	574	NR	580	937	NR	710	79	NR	840	2	NR	970	0	NR
455	508	NR	585	974	NR	715	67	NR	845	1	NR	975	0	NR
460	319	NR	590	994	NR	720	57	NR	850	1	NR	980	0	NR
465	234	NR	595	1000	NR	725	49	NR	855	1	NR	985	0	NR
470	174	NR	600	992	NR	730	42	NR	860	1	NR	990	0	NR
475	121	NR	605	966	NR	735	36	NR	865	1	NR	995	0	NR
480	100	NR	610	929	NR	740	30	NR	870	1	NR	1000	0	NR
485	99	NR	615	880	NR	745	26	NR	875	1	NR			

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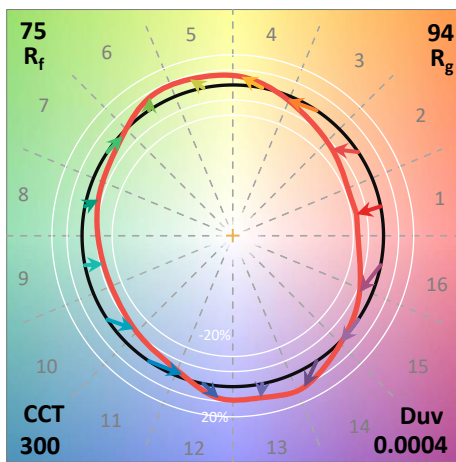
TM-30-18

**Summary**

$R_f = 75.2$   
 $R_g = 93.8$   
 CIE  $R_a = 71.9$   
 $R_g = -33.7$



**Color Vector Graphics**





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

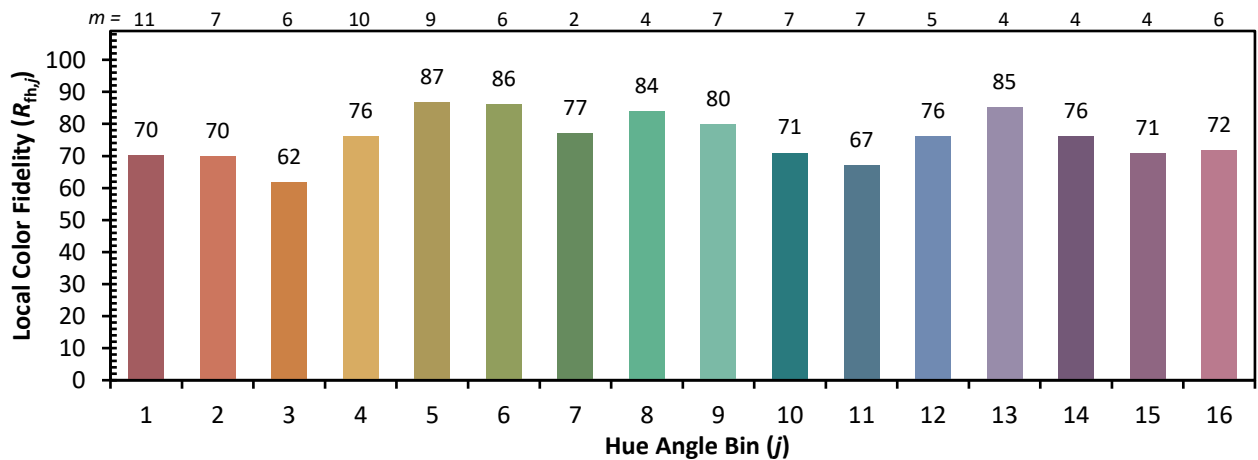
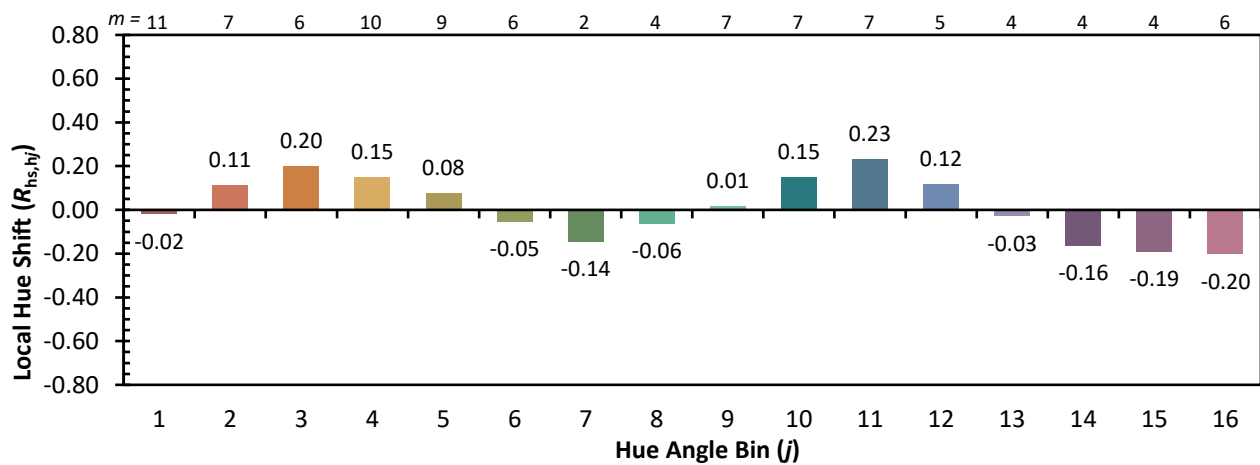
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CES04 = 71	CES29 = 69	CES54 = 86	CES79 = 86
CES05 = 49	CES30 = 84	CES55 = 84	CES80 = 84
CES06 = 51	CES31 = 72	CES56 = 75	CES81 = 72
CES07 = 41	CES32 = 65	CES57 = 74	CES82 = 93
CES08 = 40	CES33 = 79	CES58 = 75	CES83 = 91
CES09 = 29	CES34 = 76	CES59 = 85	CES84 = 88
CES10 = 76	CES35 = 87	CES60 = 90	CES85 = 75
CES11 = 59	CES36 = 93	CES61 = 81	CES86 = 63
CES12 = 65	CES37 = 85	CES62 = 89	CES87 = 77
CES13 = 43	CES38 = 92	CES63 = 75	CES88 = 80
CES14 = 74	CES39 = 97	CES64 = 66	CES89 = 67
CES15 = 71	CES40 = 93	CES65 = 65	CES90 = 80
CES16 = 47	CES41 = 93	CES66 = 61	CES91 = 80
CES17 = 50	CES42 = 87	CES67 = 59	CES92 = 57
CES18 = 56	CES43 = 79	CES68 = 67	CES93 = 73
CES19 = 73	CES44 = 99	CES69 = 76	CES94 = 50
CES20 = 66	CES45 = 85	CES70 = 61	CES95 = 67
CES21 = 87	CES46 = 81	CES71 = 58	CES96 = 77
CES22 = 79	CES47 = 86	CES72 = 85	CES97 = 83
CES23 = 92	CES48 = 75	CES73 = 54	CES98 = 76
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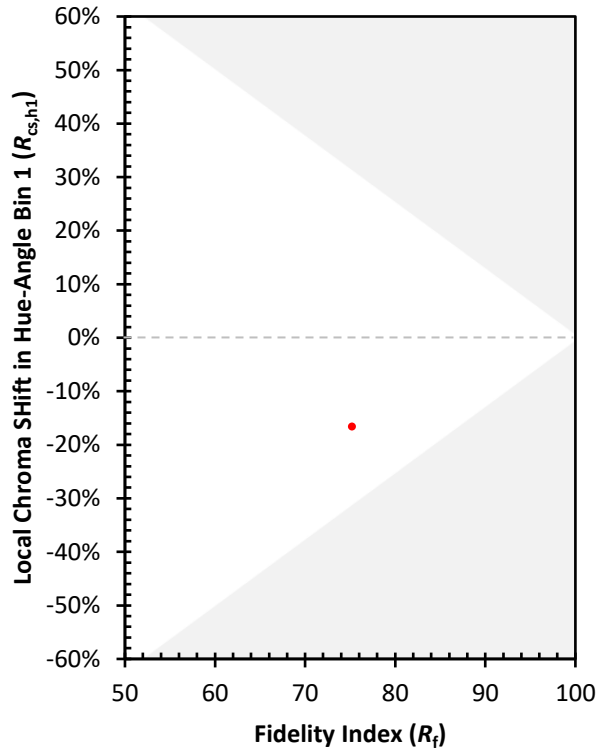
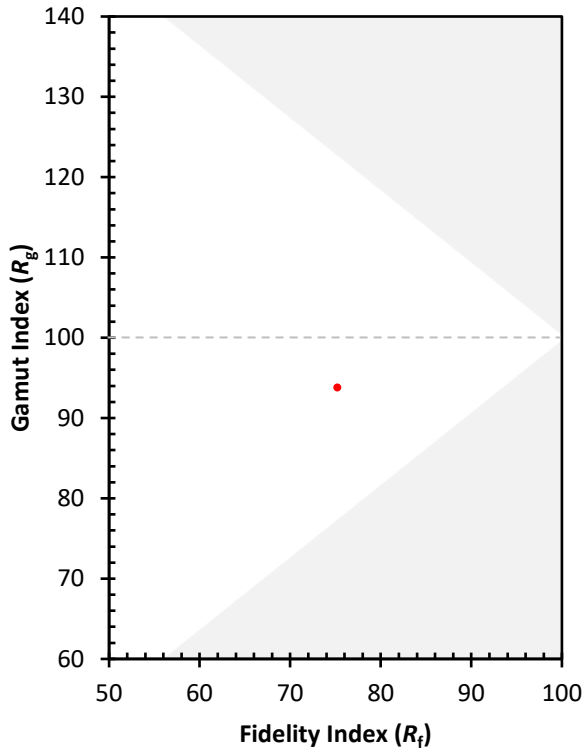
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)