

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: P856096

Luminaire Tested: **FFX-CLB-60-750-U-FR-T5**

Issue Date: 07/16/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P856096  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 07/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: FFX-CLB-60-750-U-FR-T5  
Description: FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS  
Light Source: (6) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

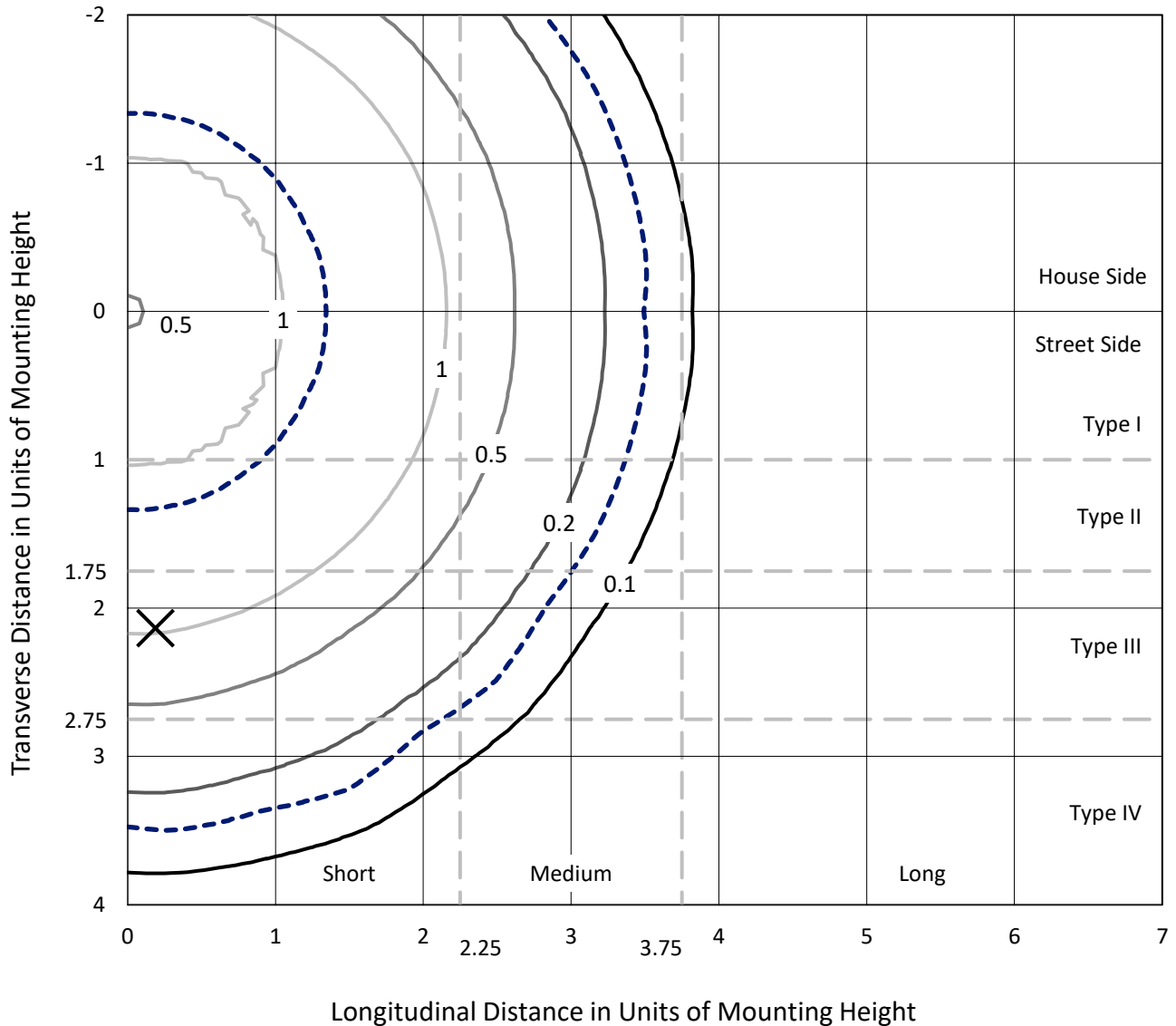
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9565.9 lumens  
Efficiency: N/A  
Efficacy: 160.0 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): 59.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.99  
Total Harmonic Distortion (THDi): 8.9%  
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

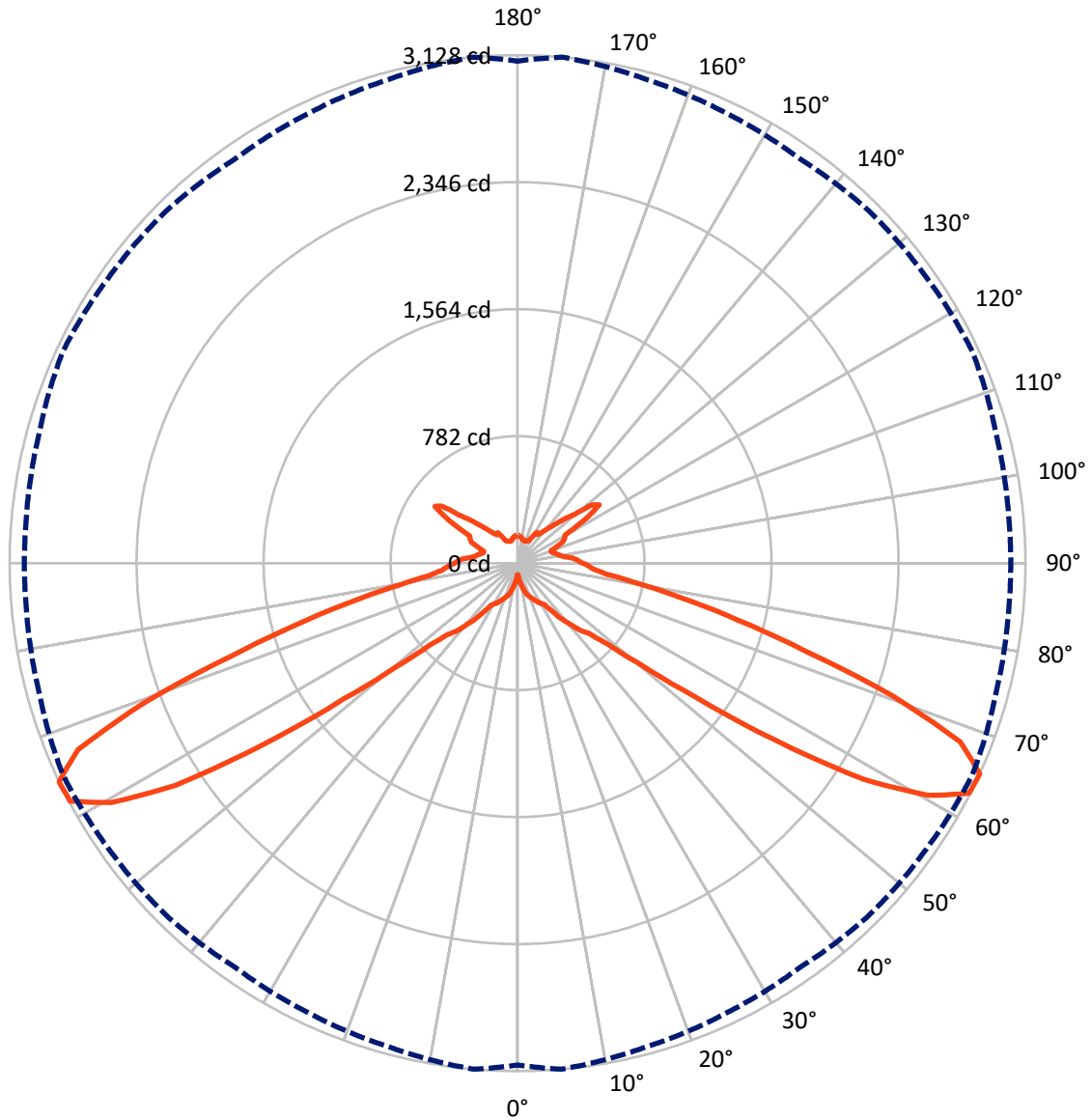
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.7 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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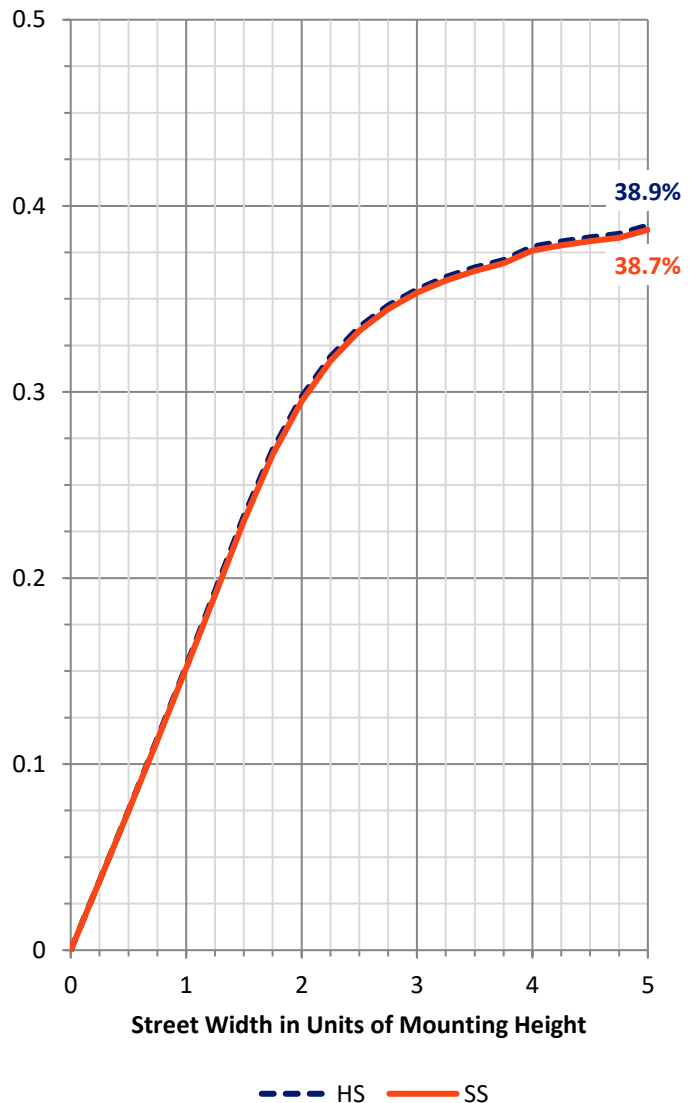
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3854.6	928.3	4783.0
	% Fixture	40.3	9.7	50.0
<b>Street Side</b>	Lumens	3854.6	928.3	4783.0
	% Fixture	40.3	9.7	50.0
<b>Total</b>	Lumens	7709.3	1856.7	9565.9
	% Fixture	80.6	19.4	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.9	0.1
10°-20°	54.6	0.6
20°-30°	118.7	1.2
30°-40°	235.5	2.5
40°-50°	510.8	5.3
50°-60°	1759.3	18.4
60°-70°	2889.4	30.2
70°-80°	1550.8	16.2
80°-90°	579.1	6.1
90°-100°	365.8	3.8
100°-110°	245.0	2.6
110°-120°	269.3	2.8
120°-130°	445.5	4.7
130°-140°	262.4	2.7
140°-150°	138.8	1.5
150°-160°	72.9	0.8
160°-170°	41.4	0.4
170°-180°	15.6	0.2
0°-90°	7709.3	80.6
0°-180°	9565.9	100.0



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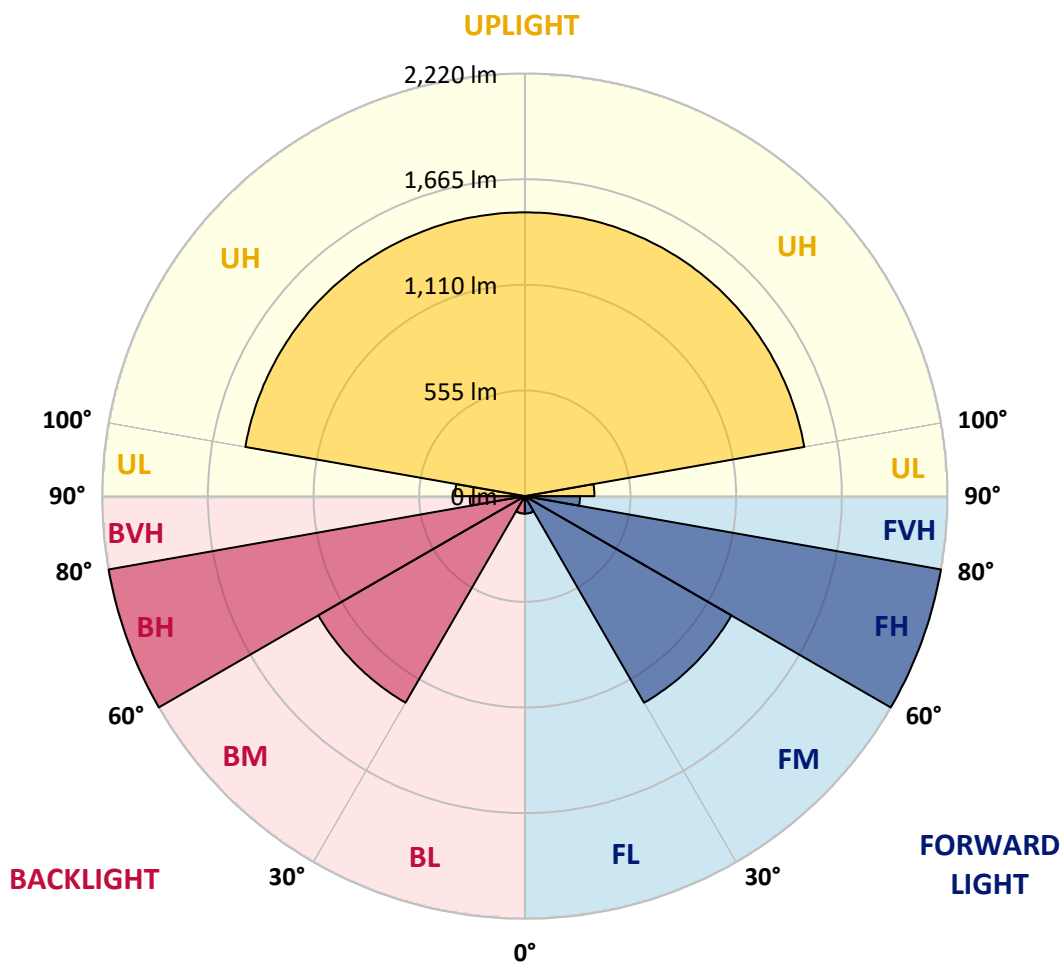
CATALOG NUMBER: FFX-CLB-60-750-U-FR-T5

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	92.1	1.0			
FM (30°-60°)	1252.8	13.1			
FH (60°-80°)	2220.1	23.2			G2/5000
FVH (80°-90°)	289.6	3.0			G3/500
BL (0°-30°)	92.1	1.0	B0/110		
BM (30°-60°)	1252.8	13.1	B2/2500		
BH (60°-80°)	2220.1	23.2	B3/2500		G2/5000
BVH (80°-90°)	289.6	3.0			G3/500
UL (90°-100°)	365.8	3.8		U3/500	
UH (100°-180°)	1490.9	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°	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
2.5°	75.1	75.1	74.1	73.1	74.1	75.1	75.1	76.1	74.1	74.1	75.1
5°	100.4	100.4	100.4	99.5	97.5	97.5	96.5	99.5	100.4	101.4	101.4
7.5°	124.8	123.8	125.8	126.8	121.9	119.9	119.9	120.9	122.9	124.8	126.8
10°	141.4	140.4	141.4	145.3	144.3	141.4	141.4	141.4	144.3	149.2	150.2
12.5°	166.7	166.7	168.7	171.6	172.6	169.7	167.7	167.7	171.6	172.6	171.6
15°	194.0	194.0	193.1	192.1	193.1	192.1	192.1	193.1	196.0	195.0	195.0
17.5°	208.7	207.7	206.7	207.7	207.7	206.7	207.7	209.6	208.7	211.6	212.6
20°	224.3	224.3	222.3	222.3	222.3	223.3	224.3	223.3	224.3	225.2	226.2
22.5°	238.9	238.9	237.9	236.9	237.9	238.9	239.9	237.9	237.9	239.9	239.9
25°	255.5	255.5	255.5	252.5	253.5	254.5	253.5	252.5	253.5	254.5	255.5
27.5°	274.0	274.0	272.0	269.1	270.1	270.1	271.1	269.1	271.1	271.1	271.1
30°	289.6	287.6	286.7	284.7	284.7	286.7	288.6	285.7	286.7	286.7	287.6
32.5°	304.2	304.2	303.2	299.3	298.4	304.2	306.2	305.2	301.3	302.2	303.2
35°	358.8	358.8	352.0	345.2	351.0	350.0	357.8	357.8	357.8	359.8	363.7
37.5°	427.1	430.0	440.7	456.3	456.3	433.9	422.2	421.2	436.8	450.5	449.5
40°	487.5	490.4	487.5	489.5	487.5	488.5	489.5	487.5	478.7	475.8	470.0
42.5°	562.6	563.6	545.0	523.6	525.5	536.2	548.9	549.9	531.4	522.6	520.7
45°	615.2	617.2	610.4	607.4	607.4	611.3	610.4	610.4	603.5	602.6	600.6
47.5°	743.9	740.0	726.4	721.5	727.4	724.4	743.0	738.1	730.3	730.3	737.1
50°	986.7	982.8	983.8	978.9	994.5	972.1	994.5	988.7	977.0	982.8	987.7
52.5°	1383.5	1359.2	1362.1	1352.3	1379.6	1359.2	1396.2	1391.3	1353.3	1369.9	1370.9
55°	1954.9	1923.7	1921.7	1856.4	1907.1	1913.9	1960.7	1972.4	1898.3	1899.3	1904.2
57.5°	2521.4	2511.6	2542.8	2501.9	2537.9	2521.4	2520.4	2541.8	2498.9	2504.8	2520.4
60°	2896.7	2904.5	2939.6	2950.4	2963.0	2939.6	2891.9	2901.6	2898.7	2948.4	2952.3
62.5°	3097.6	3121.0	3095.6	3087.8	3077.1	3085.9	3080.0	3085.9	3068.3	3091.7	3092.7
65°	3090.8	3127.8	3082.0	3053.7	3036.2	3063.5	3071.3	3088.8	3051.8	3037.1	3037.1
67.5°	2894.8	2939.6	2867.5	2864.6	2821.7	2867.5	2854.8	2868.5	2839.2	2818.7	2799.2
70°	2408.2	2449.2	2362.4	2373.2	2299.1	2374.1	2354.6	2380.0	2356.6	2316.6	2293.2
72.5°	1814.5	1850.6	1786.2	1802.8	1754.0	1810.6	1780.4	1823.3	1808.6	1791.1	1771.6
75°	1372.8	1401.1	1405.0	1460.6	1402.1	1429.4	1374.8	1400.1	1424.5	1445.0	1423.5
77.5°	1010.1	1029.6	1088.1	1149.5	1092.0	1111.5	1056.9	1081.3	1103.7	1138.8	1123.2
80°	713.7	736.1	789.8	835.6	793.7	811.2	776.1	789.8	807.3	832.7	816.1
82.5°	555.8	548.0	546.0	534.3	521.6	565.5	574.3	582.1	565.5	558.7	550.9
85°	466.1	468.0	479.7	494.3	494.3	495.3	486.5	490.4	497.3	509.9	510.9
87.5°	428.0	433.9	467.0	478.7	473.9	475.8	468.0	470.0	474.8	481.7	479.7
90°	377.3	392.0	423.2	434.9	427.1	431.0	427.1	430.0	426.1	428.0	424.1
92.5°	368.6	367.6	377.3	376.4	371.5	383.2	383.2	385.1	380.3	377.3	375.4
95°	341.3	339.3	338.3	341.3	330.5	339.3	337.4	341.3	339.3	339.3	335.4
97.5°	285.7	285.7	283.7	286.7	279.8	283.7	278.9	281.8	280.8	281.8	278.9
100°	263.2	263.2	261.3	261.3	258.4	259.4	257.4	257.4	256.4	255.5	255.5
102.5°	247.7	249.6	246.7	247.7	243.8	243.8	241.8	242.8	241.8	241.8	240.8
105°	233.0	234.0	232.1	232.1	229.1	228.2	226.2	227.2	228.2	226.2	226.2
107.5°	218.4	219.4	218.4	218.4	215.5	213.5	210.6	210.6	211.6	212.6	212.6
110°	224.3	221.3	218.4	216.5	220.4	214.5	212.6	211.6	212.6	215.5	216.5



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 CATALOG NUMBER: FFX-CLB-60-750-U-FR-T5

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	268.1	266.2	266.2	257.4	267.2	261.3	257.4	250.6	253.5	255.5	255.5
115°	311.0	312.0	300.3	296.4	290.6	289.6	292.5	284.7	283.7	284.7	282.8
117.5°	349.1	328.6	284.7	273.0	270.1	268.1	266.2	264.2	262.3	274.0	261.3
120°	373.4	338.3	306.2	299.3	315.9	292.5	276.9	274.0	279.8	300.3	297.4
122.5°	529.4	499.2	475.8	434.9	475.8	452.4	458.3	447.5	441.7	430.0	431.9
125°	619.1	618.2	607.4	599.6	609.4	600.6	590.9	587.0	581.1	584.0	579.2
127.5°	575.2	584.0	570.4	586.0	550.9	560.6	558.7	565.5	559.7	561.6	553.8
130°	455.3	462.2	449.5	441.7	426.1	443.6	444.6	455.3	443.6	428.0	426.1
132.5°	397.8	402.7	383.2	373.4	362.7	378.3	385.1	391.0	383.2	366.6	362.7
135°	338.3	340.3	326.6	328.6	321.8	321.8	320.8	323.7	327.6	324.7	322.7
137.5°	290.6	295.4	290.6	296.4	290.6	285.7	277.9	280.8	289.6	296.4	295.4
140°	251.6	256.4	257.4	263.2	251.6	253.5	248.6	250.6	255.5	262.3	265.2
142.5°	223.3	227.2	218.4	213.5	209.6	221.3	230.1	231.1	225.2	217.4	220.4
145°	217.4	213.5	217.4	213.5	217.4	215.5	216.5	215.5	215.5	215.5	215.5
147.5°	220.4	224.3	224.3	224.3	218.4	219.4	220.4	221.3	221.3	225.2	224.3
150°	183.3	188.2	187.2	192.1	183.3	185.3	186.2	188.2	189.2	190.1	191.1
152.5°	155.0	156.0	158.9	160.9	159.9	158.9	158.0	158.0	159.9	161.9	162.8
155°	151.1	151.1	154.1	157.0	154.1	154.1	153.1	153.1	154.1	157.0	157.0
157.5°	145.3	146.2	146.2	148.2	146.2	147.2	146.2	146.2	147.2	148.2	149.2
160°	142.4	143.3	143.3	143.3	143.3	143.3	143.3	143.3	143.3	144.3	144.3
162.5°	142.4	142.4	142.4	141.4	141.4	142.4	142.4	142.4	142.4	141.4	142.4
165°	145.3	144.3	143.3	142.4	143.3	145.3	146.2	146.2	145.3	143.3	144.3
167.5°	151.1	151.1	150.2	149.2	150.2	151.1	152.1	152.1	151.1	150.2	150.2
170°	157.0	156.0	156.0	156.0	156.0	156.0	156.0	156.0	156.0	156.0	156.0
172.5°	160.9	160.9	161.9	160.9	161.9	161.9	160.9	160.9	160.9	160.9	161.9
175°	166.7	166.7	166.7	166.7	167.7	167.7	167.7	167.7	167.7	167.7	167.7
177.5°	170.6	170.6	170.6	170.6	170.6	170.6	170.6	170.6	170.6	170.6	170.6
180°	171.6	171.6	171.6	171.6	171.6	171.6	171.6	171.6	171.6	171.6	171.6



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: SP1-2406-133-5

Test Date: 07/12/2024

Luminaire Tested: FFX-CLB-100-750-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-750-U-FR-T5.

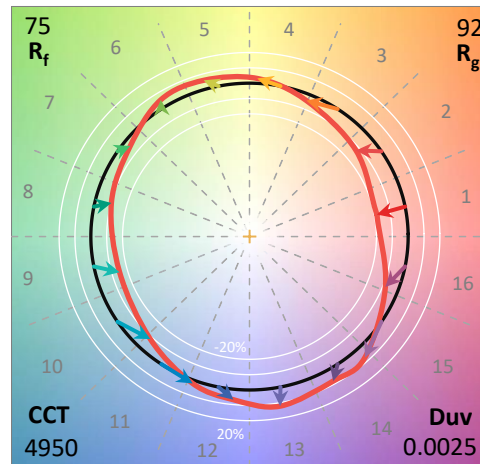
**Test Information**

Test Method: LM-79-2019  
 Report Number: SP1-2406-133-5  
 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-100-750-U-FR-T5**  
 Description: FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

**Spectral Parameters**

CCT (K): 4950  
 CIE u': 0.2102  
 CIE v': 0.4882  
 Duv: 0.0025  
 CIE x: 0.3471  
 CIE y: 0.3583  
 CIE z: 0.2946  
 Peak Wavelength (nm): 452  
 Dominant Wavelength (nm): 571  
 Purity: 11.64963  
 Rf: 74.8  
 Rg: 92.4

CRI (Ra):	73.0		
R1:	69.1	R9:	-35.4
R2:	80.1	R10:	51.9
R3:	87.3	R11:	66.1
R4:	70.6	R12:	40.1
R5:	69.4	R13:	71.5
R6:	71.2	R14:	93.0
R7:	82.5	R15:	62.2
R8:	53.6		



**Test Conditions**

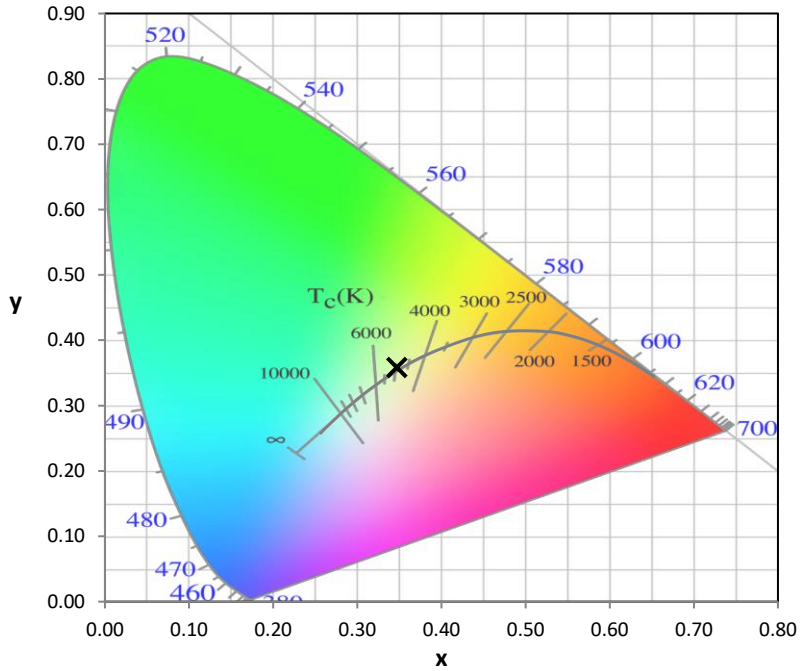
Stabilization Time: 0.803355M  
 Operation Time: 1H  
 Sphere Temperature (°C): 24.7

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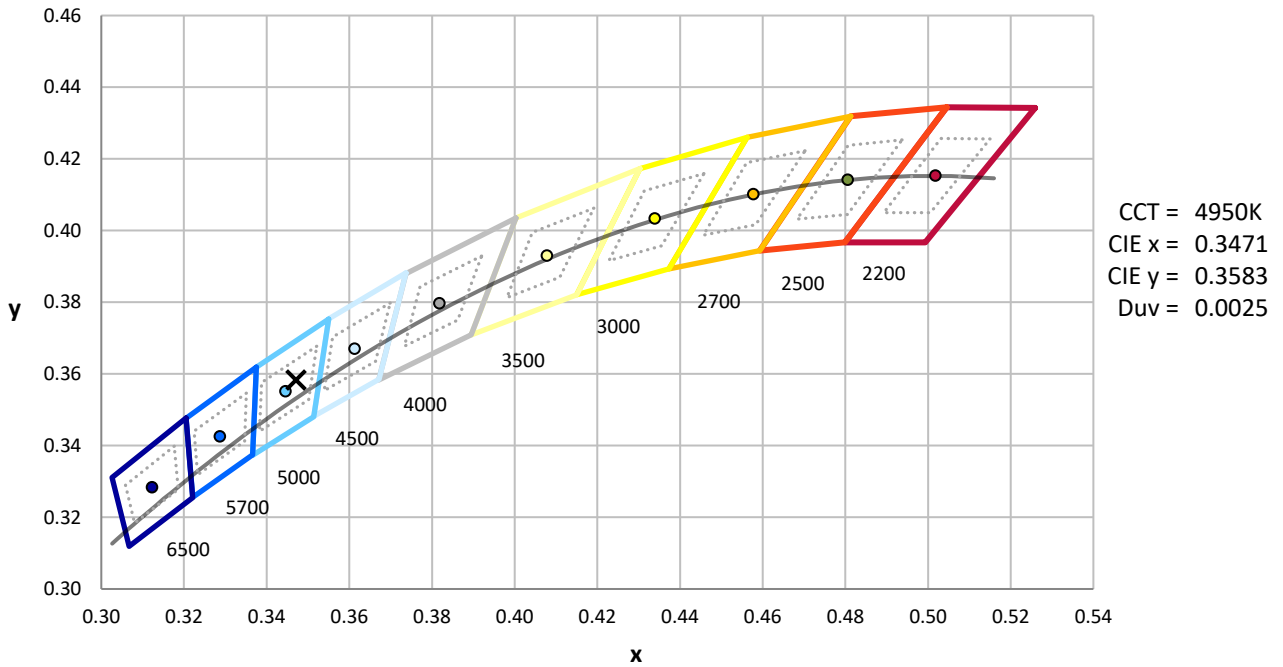
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

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CIE 1931 Chromaticity Diagram



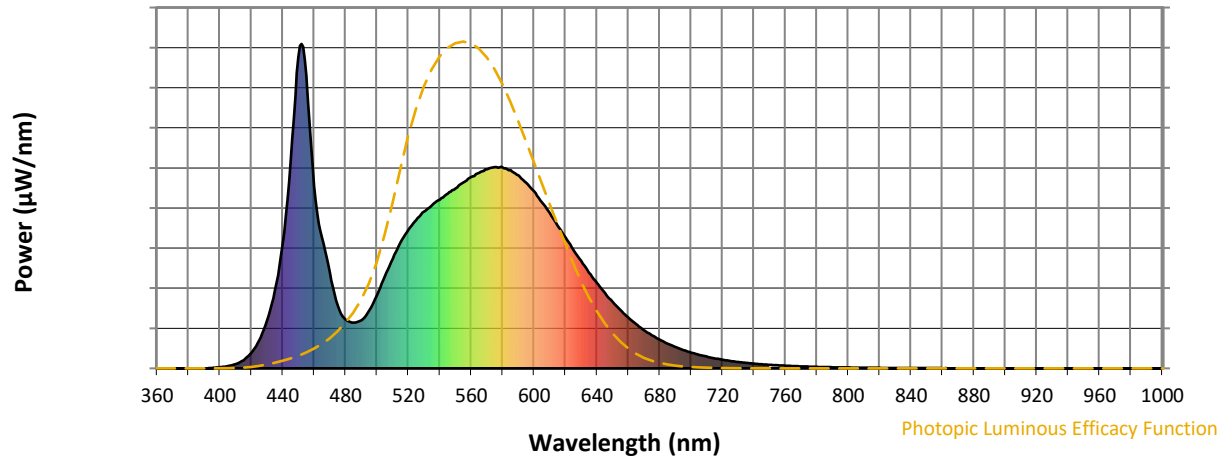
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

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**Photopic Flux vs. Wavelength**

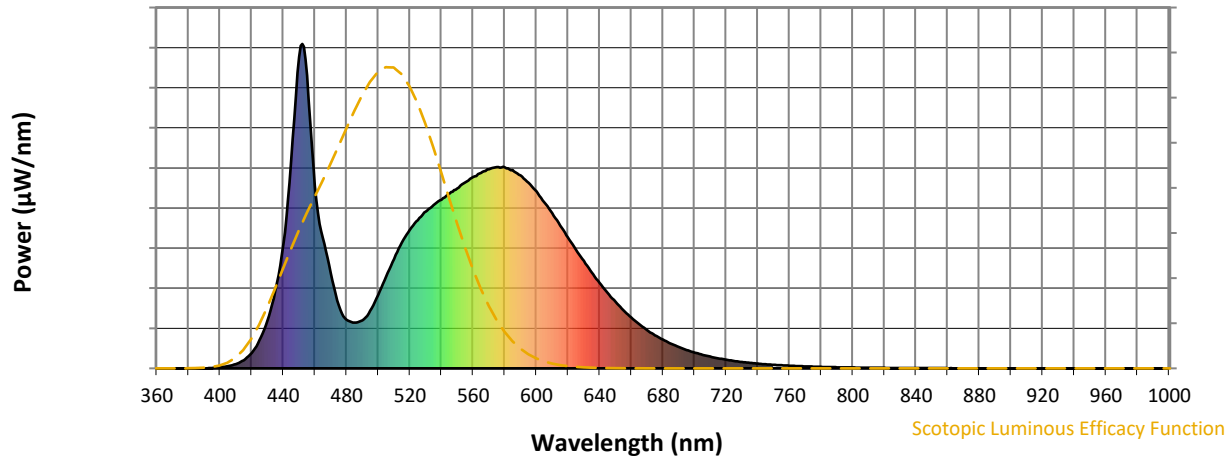


**Photopic Lumens: NR**

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	148	NR	620	403	NR	750	11	NR	880	0	NR
365	0	NR	495	178	NR	625	366	NR	755	9	NR	885	0	NR
370	0	NR	500	226	NR	630	331	NR	760	8	NR	890	0	NR
375	0	NR	505	283	NR	635	295	NR	765	7	NR	895	0	NR
380	0	NR	510	338	NR	640	263	NR	770	6	NR	900	0	NR
385	0	NR	515	387	NR	645	232	NR	775	5	NR	905	0	NR
390	0	NR	520	428	NR	650	205	NR	780	5	NR	910	0	NR
395	1	NR	525	457	NR	655	179	NR	785	4	NR	915	0	NR
400	4	NR	530	484	NR	660	156	NR	790	3	NR	920	0	NR
405	7	NR	535	503	NR	665	136	NR	795	3	NR	925	0	NR
410	13	NR	540	520	NR	670	118	NR	800	3	NR	930	0	NR
415	25	NR	545	538	NR	675	102	NR	805	2	NR	935	0	NR
420	48	NR	550	555	NR	680	89	NR	810	2	NR	940	0	NR
425	87	NR	555	573	NR	685	76	NR	815	2	NR	945	0	NR
430	147	NR	560	590	NR	690	66	NR	820	2	NR	950	0	NR
435	242	NR	565	603	NR	695	56	NR	825	1	NR	955	0	NR
440	384	NR	570	614	NR	700	49	NR	830	1	NR	960	0	NR
445	638	NR	575	621	NR	705	42	NR	835	1	NR	965	0	NR
450	960	NR	580	619	NR	710	36	NR	840	1	NR	970	0	NR
455	902	NR	585	611	NR	715	31	NR	845	1	NR	975	0	NR
460	564	NR	590	594	NR	720	27	NR	850	1	NR	980	0	NR
465	402	NR	595	572	NR	725	23	NR	855	1	NR	985	0	NR
470	293	NR	600	546	NR	730	20	NR	860	1	NR	990	0	NR
475	194	NR	605	511	NR	735	17	NR	865	0	NR	995	0	NR
480	150	NR	610	478	NR	740	14	NR	870	0	NR	1000	0	NR
485	141	NR	615	440	NR	745	13	NR	875	0	NR			

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**Scotopic Flux vs. Wavelength**



**Scotopic Lumens: NR**

**S/P: 1.8**

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	148	NR	620	403	NR	750	11	NR	880	0	NR
365	0	NR	495	178	NR	625	366	NR	755	9	NR	885	0	NR
370	0	NR	500	226	NR	630	331	NR	760	8	NR	890	0	NR
375	0	NR	505	283	NR	635	295	NR	765	7	NR	895	0	NR
380	0	NR	510	338	NR	640	263	NR	770	6	NR	900	0	NR
385	0	NR	515	387	NR	645	232	NR	775	5	NR	905	0	NR
390	0	NR	520	428	NR	650	205	NR	780	5	NR	910	0	NR
395	1	NR	525	457	NR	655	179	NR	785	4	NR	915	0	NR
400	4	NR	530	484	NR	660	156	NR	790	3	NR	920	0	NR
405	7	NR	535	503	NR	665	136	NR	795	3	NR	925	0	NR
410	13	NR	540	520	NR	670	118	NR	800	3	NR	930	0	NR
415	25	NR	545	538	NR	675	102	NR	805	2	NR	935	0	NR
420	48	NR	550	555	NR	680	89	NR	810	2	NR	940	0	NR
425	87	NR	555	573	NR	685	76	NR	815	2	NR	945	0	NR
430	147	NR	560	590	NR	690	66	NR	820	2	NR	950	0	NR
435	242	NR	565	603	NR	695	56	NR	825	1	NR	955	0	NR
440	384	NR	570	614	NR	700	49	NR	830	1	NR	960	0	NR
445	638	NR	575	621	NR	705	42	NR	835	1	NR	965	0	NR
450	960	NR	580	619	NR	710	36	NR	840	1	NR	970	0	NR
455	902	NR	585	611	NR	715	31	NR	845	1	NR	975	0	NR
460	564	NR	590	594	NR	720	27	NR	850	1	NR	980	0	NR
465	402	NR	595	572	NR	725	23	NR	855	1	NR	985	0	NR
470	293	NR	600	546	NR	730	20	NR	860	1	NR	990	0	NR
475	194	NR	605	511	NR	735	17	NR	865	0	NR	995	0	NR
480	150	NR	610	478	NR	740	14	NR	870	0	NR	1000	0	NR
485	141	NR	615	440	NR	745	13	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.74

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	148	NR	620	403	NR	750	11	NR	880	0	NR
365	0	NR	495	178	NR	625	366	NR	755	9	NR	885	0	NR
370	0	NR	500	226	NR	630	331	NR	760	8	NR	890	0	NR
375	0	NR	505	283	NR	635	295	NR	765	7	NR	895	0	NR
380	0	NR	510	338	NR	640	263	NR	770	6	NR	900	0	NR
385	0	NR	515	387	NR	645	232	NR	775	5	NR	905	0	NR
390	0	NR	520	428	NR	650	205	NR	780	5	NR	910	0	NR
395	1	NR	525	457	NR	655	179	NR	785	4	NR	915	0	NR
400	4	NR	530	484	NR	660	156	NR	790	3	NR	920	0	NR
405	7	NR	535	503	NR	665	136	NR	795	3	NR	925	0	NR
410	13	NR	540	520	NR	670	118	NR	800	3	NR	930	0	NR
415	25	NR	545	538	NR	675	102	NR	805	2	NR	935	0	NR
420	48	NR	550	555	NR	680	89	NR	810	2	NR	940	0	NR
425	87	NR	555	573	NR	685	76	NR	815	2	NR	945	0	NR
430	147	NR	560	590	NR	690	66	NR	820	2	NR	950	0	NR
435	242	NR	565	603	NR	695	56	NR	825	1	NR	955	0	NR
440	384	NR	570	614	NR	700	49	NR	830	1	NR	960	0	NR
445	638	NR	575	621	NR	705	42	NR	835	1	NR	965	0	NR
450	960	NR	580	619	NR	710	36	NR	840	1	NR	970	0	NR
455	902	NR	585	611	NR	715	31	NR	845	1	NR	975	0	NR
460	564	NR	590	594	NR	720	27	NR	850	1	NR	980	0	NR
465	402	NR	595	572	NR	725	23	NR	855	1	NR	985	0	NR
470	293	NR	600	546	NR	730	20	NR	860	1	NR	990	0	NR
475	194	NR	605	511	NR	735	17	NR	865	0	NR	995	0	NR
480	150	NR	610	478	NR	740	14	NR	870	0	NR	1000	0	NR
485	141	NR	615	440	NR	745	13	NR	875	0	NR			

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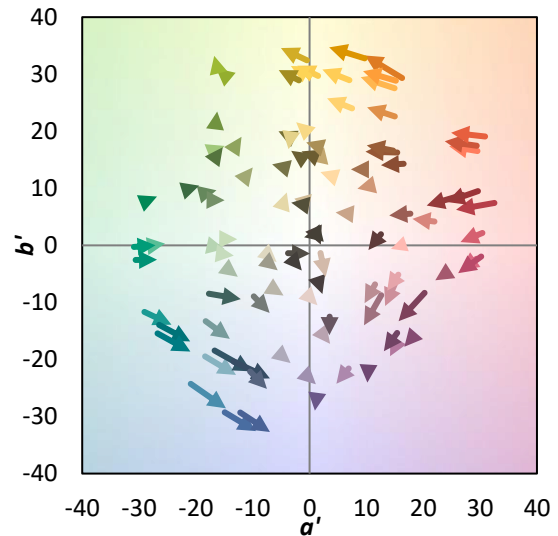
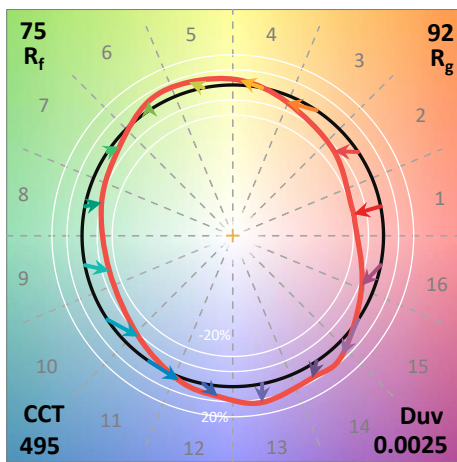
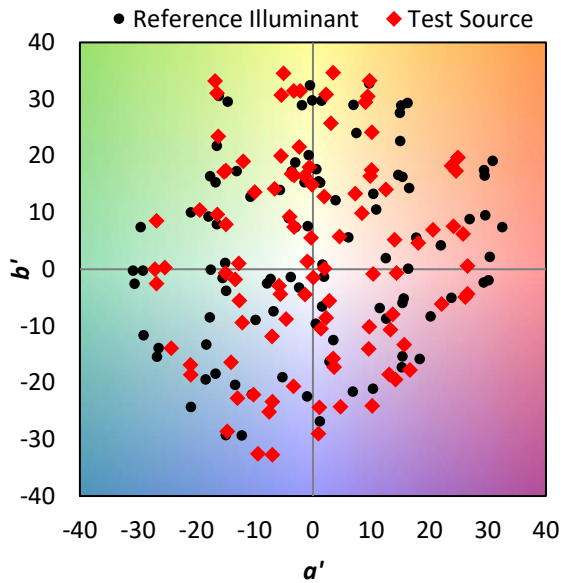
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**Summary**

$R_f = 74.8$   
 $R_g = 92.4$   
 CIE  $R_a = 73.0$   
 $R_9 = -35.4$



**Color Vector Graphics**



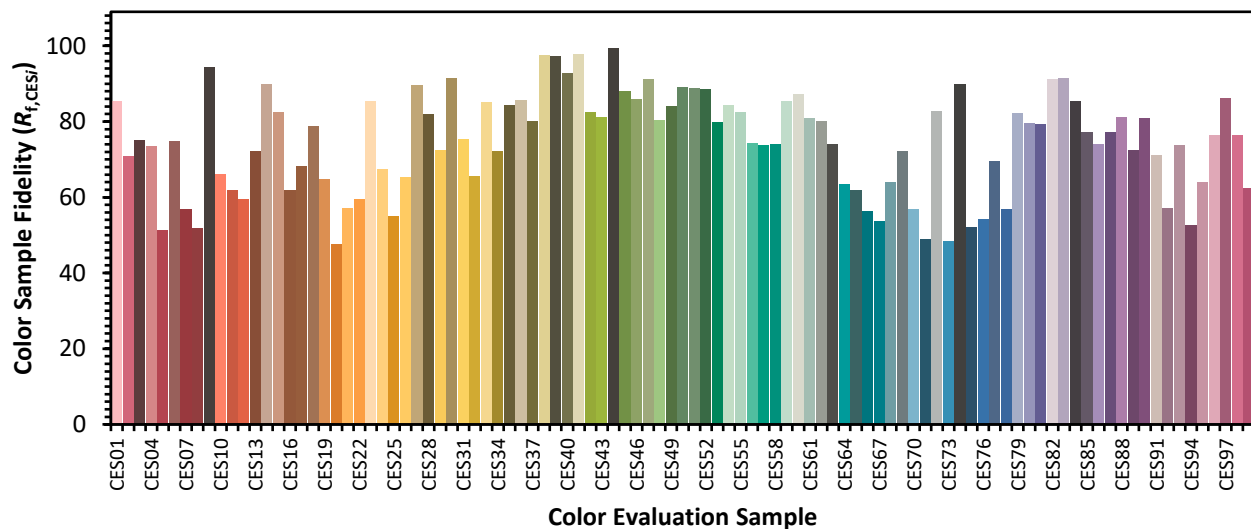


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**Individual Sample Fidelity Index ( $R_{f,i}$ )**

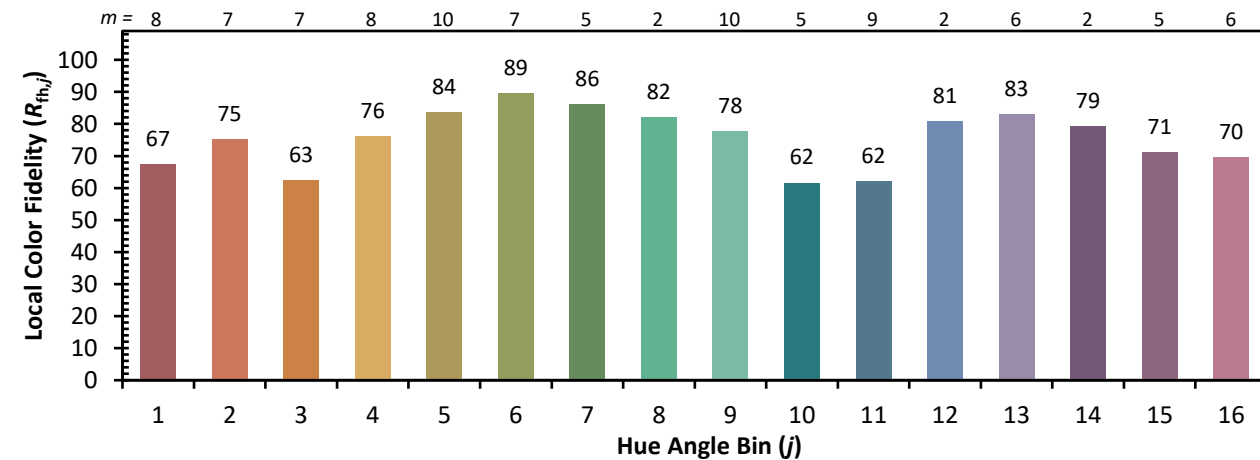
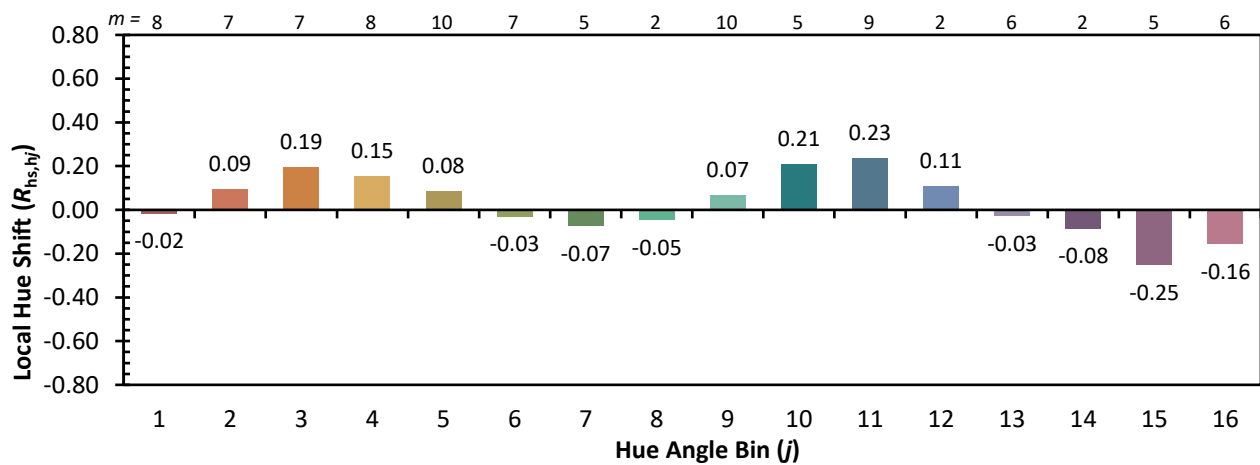
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CES02 = 60	CES27 = 90	CES52 = 88	CES77 = 69
CES03 = 30	CES28 = 82	CES53 = 80	CES78 = 57
CES04 = 69	CES29 = 72	CES54 = 84	CES79 = 82
CES05 = 46	CES30 = 91	CES55 = 82	CES80 = 79
CES06 = 50	CES31 = 75	CES56 = 74	CES81 = 79
CES07 = 39	CES32 = 66	CES57 = 74	CES82 = 91
CES08 = 38	CES33 = 85	CES58 = 74	CES83 = 91
CES09 = 29	CES34 = 72	CES59 = 85	CES84 = 85
CES10 = 73	CES35 = 84	CES60 = 87	CES85 = 77
CES11 = 56	CES36 = 86	CES61 = 81	CES86 = 74
CES12 = 62	CES37 = 80	CES62 = 80	CES87 = 77
CES13 = 41	CES38 = 98	CES63 = 74	CES88 = 81
CES14 = 74	CES39 = 97	CES64 = 63	CES89 = 72
CES15 = 70	CES40 = 93	CES65 = 62	CES90 = 81
CES16 = 46	CES41 = 98	CES66 = 56	CES91 = 71
CES17 = 49	CES42 = 83	CES67 = 54	CES92 = 57
CES18 = 55	CES43 = 81	CES68 = 64	CES93 = 74
CES19 = 71	CES44 = 99	CES69 = 72	CES94 = 53
CES20 = 64	CES45 = 88	CES70 = 57	CES95 = 64
CES21 = 85	CES46 = 86	CES71 = 49	CES96 = 76
CES22 = 77	CES47 = 91	CES72 = 83	CES97 = 86
CES23 = 91	CES48 = 80	CES73 = 48	CES98 = 77
CES24 = 90	CES49 = 84	CES74 = 90	CES99 = 62
CES25 = 71	CES50 = 89	CES75 = 52	



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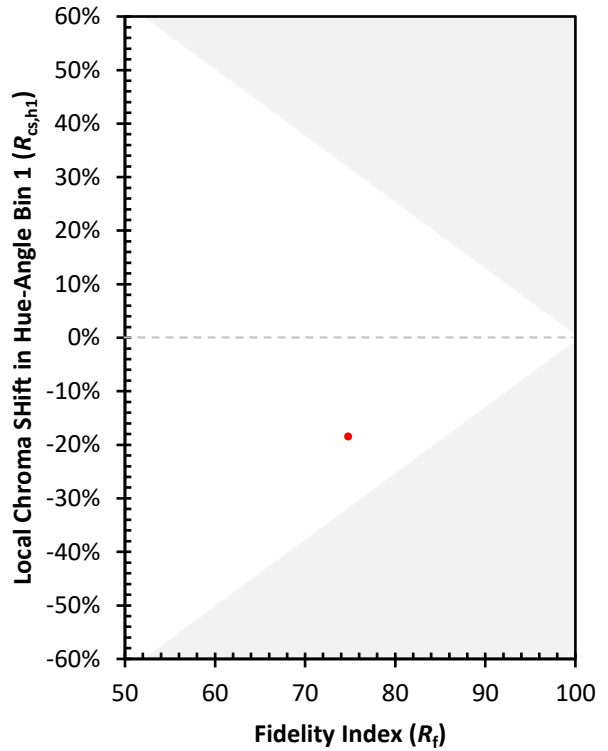
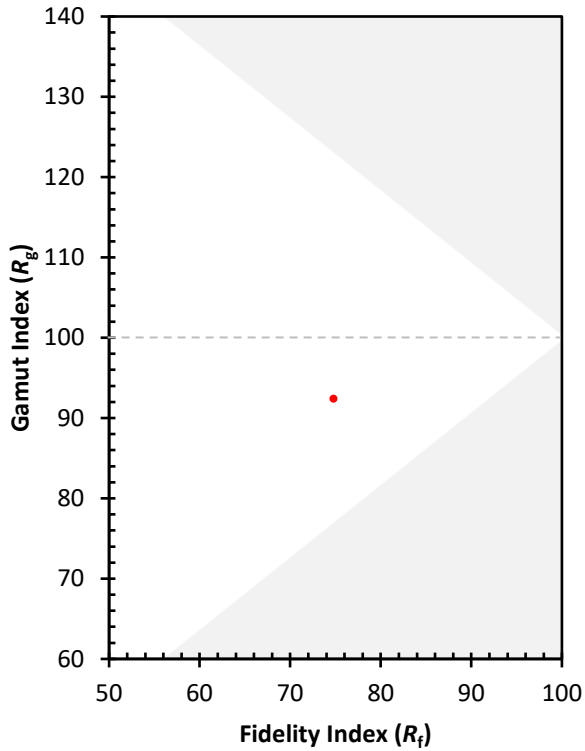
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)