

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: P856080

Luminaire Tested: **FFX-CLB-40-730-U-FR-T5**

Issue Date: 07/16/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P856080  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 07/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: FFX-CLB-40-730-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**

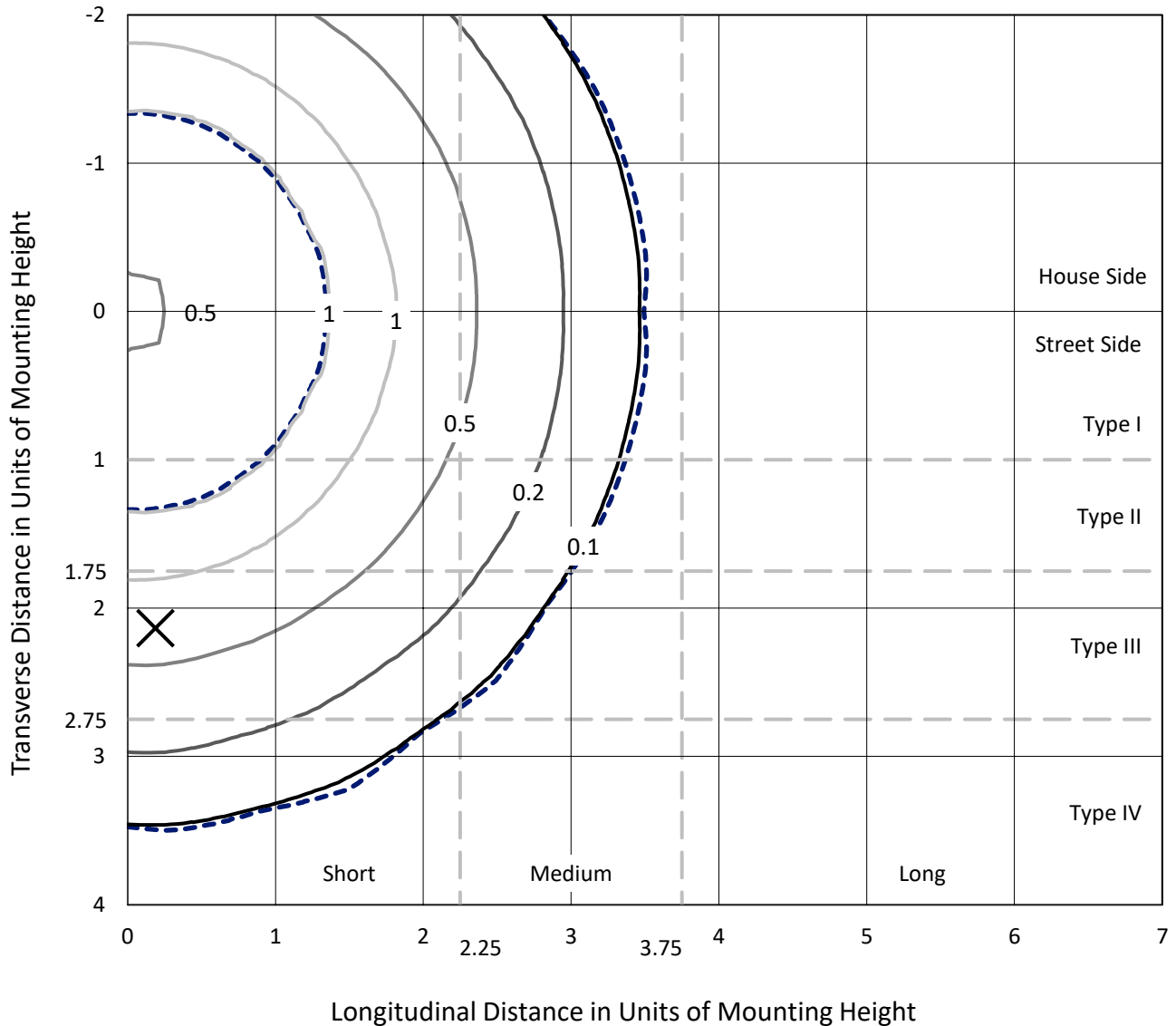
Lumens per Lamp: N/A  
Luminaire Lumens: 6367.5 lumens  
Efficiency: N/A  
Efficacy: 162.0 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 1.67')  
IES Classification: Type V - Short  
BUG Rating: B3 - U4 - G2

Input Watts (W): 39.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.99  
Total Harmonic Distortion (THDi): 8.2%%  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

REPORT NUMBER: P856080  
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### Iso-Footcandle Lines of Horizontal Illumination

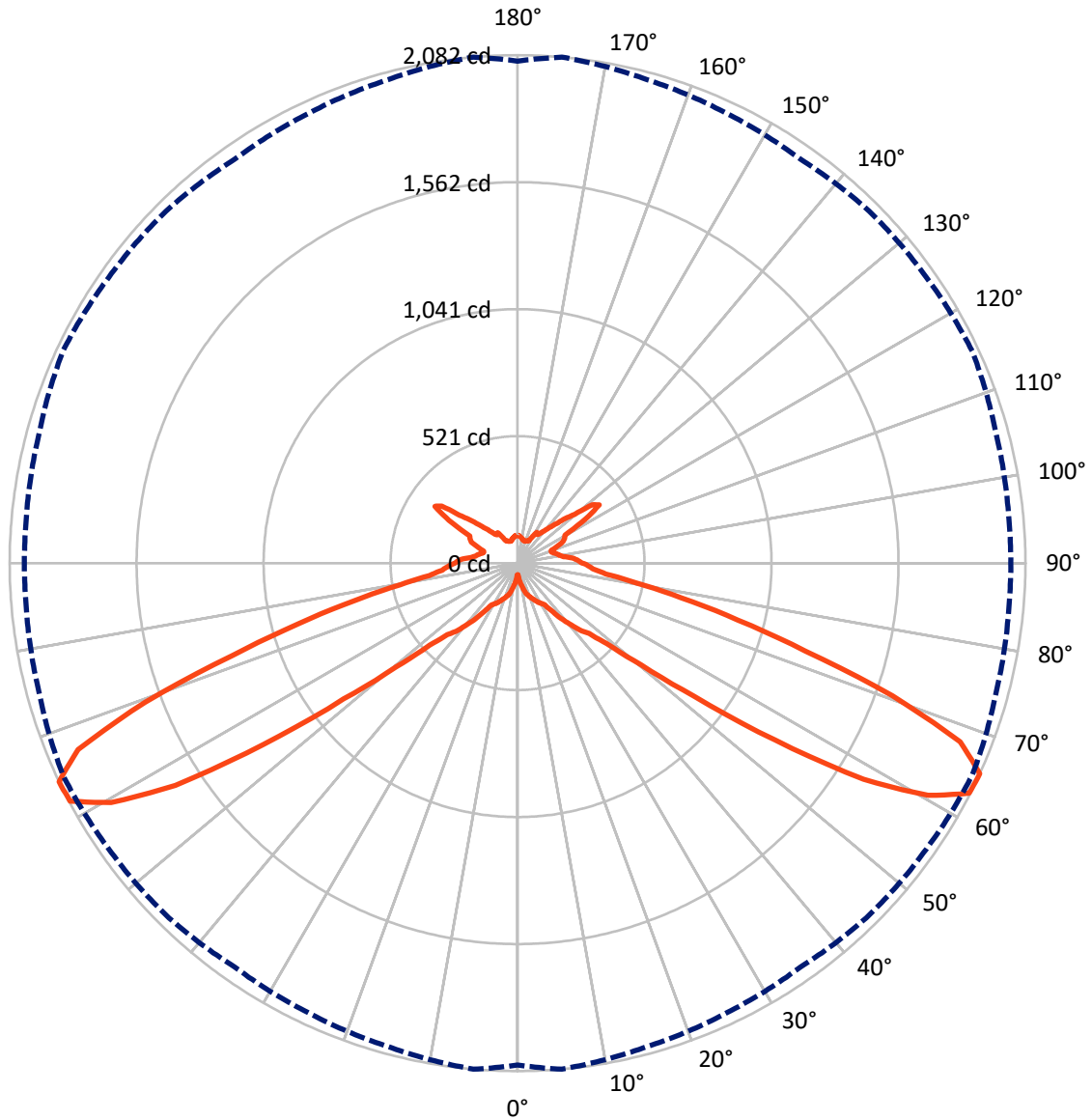
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.2 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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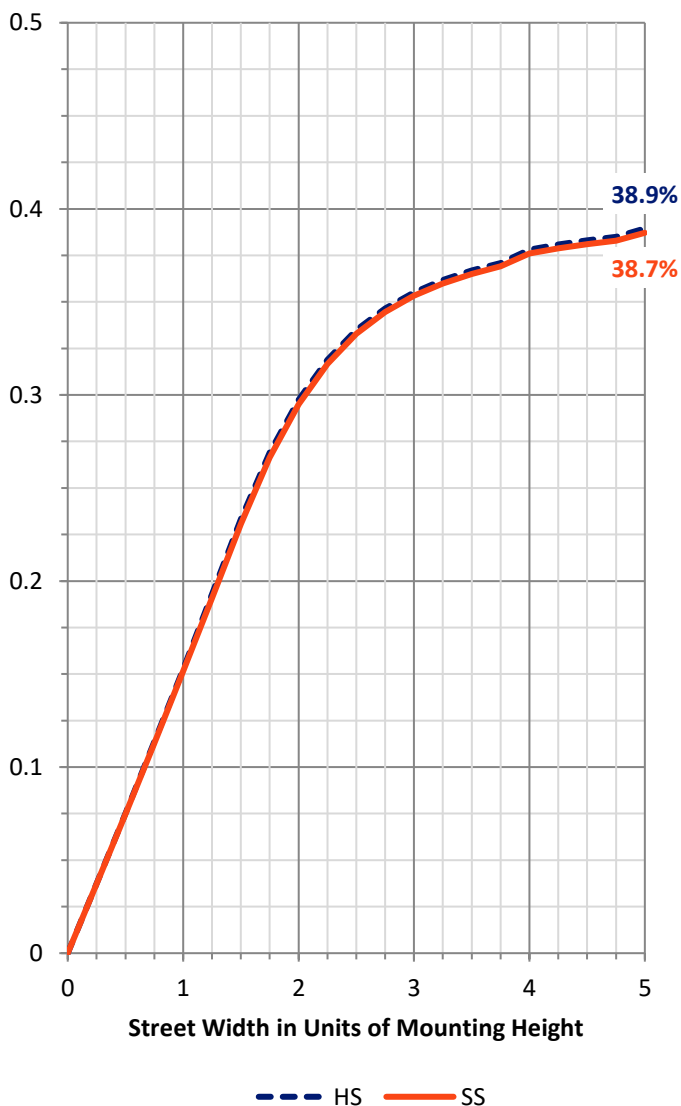
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2565.8	617.9	3183.8
	% Fixture	40.3	9.7	50.0
<b>Street Side</b>	Lumens	2565.8	617.9	3183.8
	% Fixture	40.3	9.7	50.0
<b>Total</b>	Lumens	5131.7	1235.9	6367.5
	% Fixture	80.6	19.4	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.2	0.1
10°-20°	36.4	0.6
20°-30°	79.0	1.2
30°-40°	156.8	2.5
40°-50°	340.0	5.3
50°-60°	1171.1	18.4
60°-70°	1923.4	30.2
70°-80°	1032.3	16.2
80°-90°	385.5	6.1
90°-100°	243.5	3.8
100°-110°	163.1	2.6
110°-120°	179.2	2.8
120°-130°	296.6	4.7
130°-140°	174.7	2.7
140°-150°	92.4	1.5
150°-160°	48.5	0.8
160°-170°	27.6	0.4
170°-180°	10.4	0.2
0°-90°	5131.7	80.6
0°-180°	6367.5	100.0



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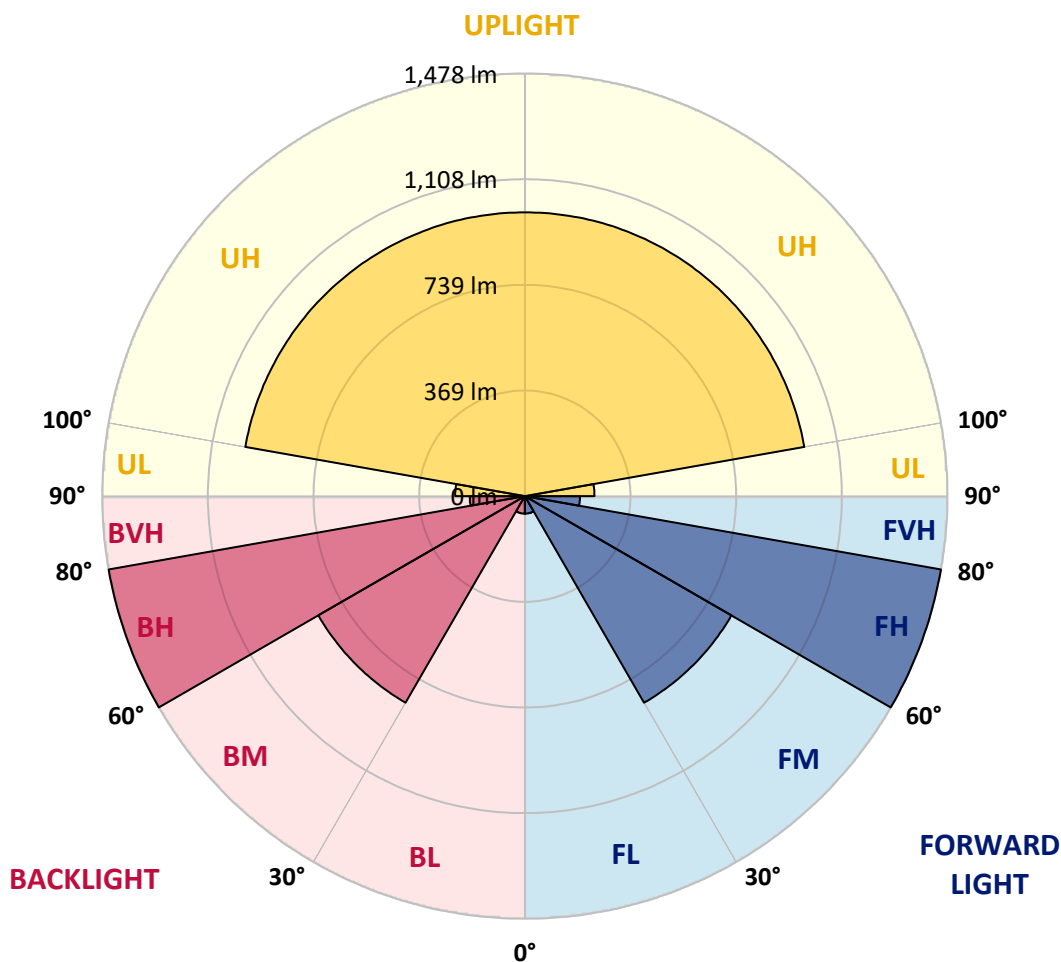
CATALOG NUMBER: FFX-CLB-40-730-U-FR-T5

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	61.3	1.0			
FM (30°-60°)	833.9	13.1			
FH (60°-80°)	1477.8	23.2			G1/1800
FVH (80°-90°)	192.7	3.0			G2/225
BL (0°-30°)	61.3	1.0	B0/110		
BM (30°-60°)	833.9	13.1	B1/1000		
BH (60°-80°)	1477.8	23.2	B3/2500		G1/1800
BVH (80°-90°)	192.7	3.0			G2/225
UL (90°-100°)	243.5	3.8		U3/500	
UH (100°-180°)	992.4	15.6		U4/1000	

**BUG Rating: B3-U4-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
2.5°	50.0	50.0	49.3	48.7	49.3	50.0	50.0	50.6	49.3	49.3	50.0
5°	66.8	66.8	66.8	66.2	64.9	64.9	64.3	66.2	66.8	67.5	67.5
7.5°	83.1	82.4	83.7	84.4	81.1	79.8	79.8	80.5	81.8	83.1	84.4
10°	94.1	93.5	94.1	96.7	96.1	94.1	94.1	94.1	96.1	99.3	99.9
12.5°	111.0	111.0	112.3	114.2	114.9	112.9	111.6	111.6	114.2	114.9	114.2
15°	129.2	129.2	128.5	127.9	128.5	127.9	127.9	128.5	130.5	129.8	129.8
17.5°	138.9	138.2	137.6	138.2	138.2	137.6	138.2	139.5	138.9	140.8	141.5
20°	149.3	149.3	148.0	148.0	148.0	148.6	149.3	148.6	149.3	149.9	150.6
22.5°	159.0	159.0	158.4	157.7	158.4	159.0	159.7	158.4	158.4	159.7	159.7
25°	170.0	170.0	170.0	168.1	168.7	169.4	168.7	168.1	168.7	169.4	170.0
27.5°	182.4	182.4	181.1	179.1	179.8	179.8	180.4	179.1	180.4	180.4	180.4
30°	192.8	191.5	190.8	189.5	189.5	190.8	192.1	190.2	190.8	190.8	191.5
32.5°	202.5	202.5	201.8	199.2	198.6	202.5	203.8	203.1	200.5	201.2	201.8
35°	238.8	238.8	234.3	229.8	233.6	233.0	238.2	238.2	238.2	239.5	242.1
37.5°	284.3	286.2	293.4	303.7	303.7	288.8	281.0	280.4	290.8	299.8	299.2
40°	324.5	326.5	324.5	325.8	324.5	325.2	325.8	324.5	318.7	316.7	312.8
42.5°	374.5	375.1	362.8	348.5	349.8	357.0	365.4	366.0	353.7	347.9	346.6
45°	409.5	410.8	406.3	404.3	404.3	406.9	406.3	406.3	401.7	401.1	399.8
47.5°	495.2	492.6	483.5	480.3	484.2	482.2	494.6	491.3	486.1	486.1	490.7
50°	656.8	654.2	654.9	651.6	662.0	647.1	662.0	658.1	650.3	654.2	657.5
52.5°	921.0	904.7	906.7	900.2	918.4	904.7	929.4	926.1	900.8	911.9	912.5
55°	1301.3	1280.5	1279.2	1235.7	1269.5	1274.0	1305.2	1313.0	1263.6	1264.3	1267.5
57.5°	1678.4	1671.9	1692.6	1665.4	1689.4	1678.4	1677.7	1692.0	1663.4	1667.3	1677.7
60°	1928.2	1933.4	1956.8	1963.9	1972.4	1956.8	1925.0	1931.5	1929.5	1962.6	1965.2
62.5°	2061.9	2077.5	2060.6	2055.4	2048.3	2054.1	2050.2	2054.1	2042.5	2058.0	2058.7
65°	2057.4	2082.0	2051.5	2032.7	2021.0	2039.2	2044.4	2056.1	2031.4	2021.7	2021.7
67.5°	1926.9	1956.8	1908.8	1906.8	1878.3	1908.8	1900.3	1909.4	1889.9	1876.3	1863.3
70°	1603.1	1630.3	1572.6	1579.7	1530.4	1580.4	1567.4	1584.3	1568.7	1542.1	1526.5
72.5°	1207.8	1231.8	1189.0	1200.0	1167.6	1205.2	1185.1	1213.7	1203.9	1192.2	1179.3
75°	913.8	932.6	935.2	972.2	933.3	951.5	915.1	932.0	948.2	961.8	947.6
77.5°	672.4	685.4	724.3	765.2	726.9	739.9	703.5	719.8	734.7	758.1	747.7
80°	475.1	490.0	525.7	556.2	528.3	540.0	516.6	525.7	537.4	554.3	543.2
82.5°	369.9	364.7	363.4	355.7	347.2	376.4	382.3	387.5	376.4	371.9	366.7
85°	310.2	311.5	319.3	329.1	329.1	329.7	323.9	326.5	331.0	339.4	340.1
87.5°	284.9	288.8	310.9	318.7	315.4	316.7	311.5	312.8	316.1	320.6	319.3
90°	251.2	260.9	281.7	289.5	284.3	286.9	284.3	286.2	283.6	284.9	282.3
92.5°	245.3	244.7	251.2	250.5	247.3	255.1	255.1	256.4	253.1	251.2	249.9
95°	227.2	225.9	225.2	227.2	220.0	225.9	224.6	227.2	225.9	225.9	223.3
97.5°	190.2	190.2	188.9	190.8	186.3	188.9	185.6	187.6	186.9	187.6	185.6
100°	175.2	175.2	173.9	173.9	172.0	172.6	171.3	171.3	170.7	170.0	170.0
102.5°	164.9	166.1	164.2	164.9	162.3	162.3	161.0	161.6	161.0	161.0	160.3
105°	155.1	155.8	154.5	154.5	152.5	151.9	150.6	151.2	151.9	150.6	150.6
107.5°	145.4	146.0	145.4	145.4	143.4	142.1	140.2	140.2	140.8	141.5	141.5
110°	149.3	147.3	145.4	144.1	146.7	142.8	141.5	140.8	141.5	143.4	144.1



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 CATALOG NUMBER: FFX-CLB-40-730-U-FR-T5

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	178.5	177.2	177.2	171.3	177.8	173.9	171.3	166.8	168.7	170.0	170.0
115°	207.0	207.7	199.9	197.3	193.4	192.8	194.7	189.5	188.9	189.5	188.2
117.5°	232.3	218.7	189.5	181.7	179.8	178.5	177.2	175.9	174.6	182.4	173.9
120°	248.6	225.2	203.8	199.2	210.3	194.7	184.3	182.4	186.3	199.9	198.0
122.5°	352.4	332.3	316.7	289.5	316.7	301.1	305.0	297.9	294.0	286.2	287.5
125°	412.1	411.5	404.3	399.1	405.6	399.8	393.3	390.7	386.8	388.8	385.5
127.5°	382.9	388.8	379.7	390.1	366.7	373.2	371.9	376.4	372.5	373.8	368.6
130°	303.1	307.6	299.2	294.0	283.6	295.3	296.0	303.1	295.3	284.9	283.6
132.5°	264.8	268.0	255.1	248.6	241.4	251.8	256.4	260.3	255.1	244.0	241.4
135°	225.2	226.5	217.4	218.7	214.2	214.2	213.5	215.5	218.1	216.1	214.8
137.5°	193.4	196.7	193.4	197.3	193.4	190.2	185.0	186.9	192.8	197.3	196.7
140°	167.4	170.7	171.3	175.2	167.4	168.7	165.5	166.8	170.0	174.6	176.5
142.5°	148.6	151.2	145.4	142.1	139.5	147.3	153.2	153.8	149.9	144.7	146.7
145°	144.7	142.1	144.7	142.1	144.7	143.4	144.1	143.4	143.4	143.4	143.4
147.5°	146.7	149.3	149.3	149.3	145.4	146.0	146.7	147.3	147.3	149.9	149.3
150°	122.0	125.3	124.6	127.9	122.0	123.3	124.0	125.3	125.9	126.6	127.2
152.5°	103.2	103.8	105.8	107.1	106.4	105.8	105.1	105.1	106.4	107.7	108.4
155°	100.6	100.6	102.5	104.5	102.5	102.5	101.9	101.9	102.5	104.5	104.5
157.5°	96.7	97.4	97.4	98.7	97.4	98.0	97.4	97.4	98.0	98.7	99.3
160°	94.8	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	96.1	96.1
162.5°	94.8	94.8	94.8	94.1	94.1	94.8	94.8	94.8	94.8	94.1	94.8
165°	96.7	96.1	95.4	94.8	95.4	96.7	97.4	97.4	96.7	95.4	96.1
167.5°	100.6	100.6	99.9	99.3	99.9	100.6	101.2	101.2	100.6	99.9	99.9
170°	104.5	103.8	103.8	103.8	103.8	103.8	103.8	103.8	103.8	103.8	103.8
172.5°	107.1	107.1	107.7	107.1	107.7	107.7	107.1	107.1	107.1	107.1	107.7
175°	111.0	111.0	111.0	111.0	111.6	111.6	111.6	111.6	111.6	111.6	111.6
177.5°	113.6	113.6	113.6	113.6	113.6	113.6	113.6	113.6	113.6	113.6	113.6
180°	114.2	114.2	114.2	114.2	114.2	114.2	114.2	114.2	114.2	114.2	114.2



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



**Test Conditions**

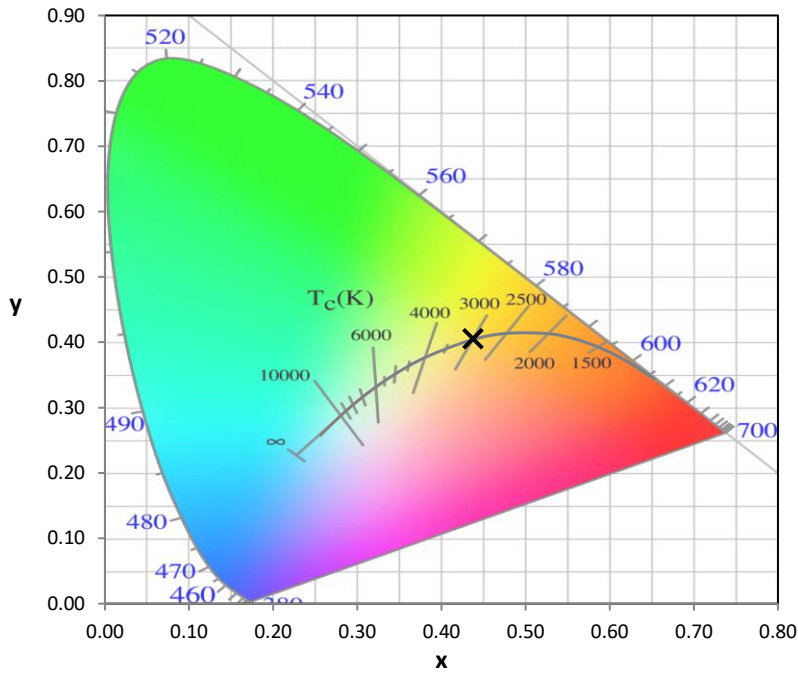
Stabilization Time: 0.794393M  
 Operation Time: 1H  
 Sphere Temperature (°C): 24.7

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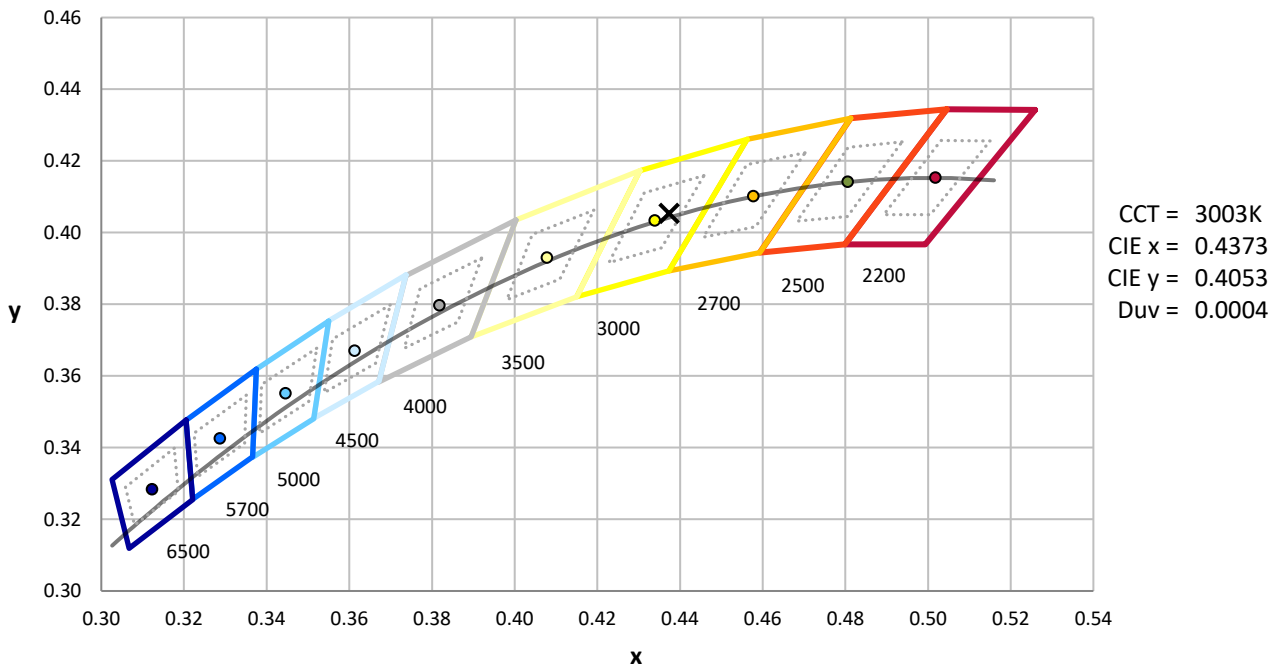
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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**Photopic Flux vs. Wavelength**

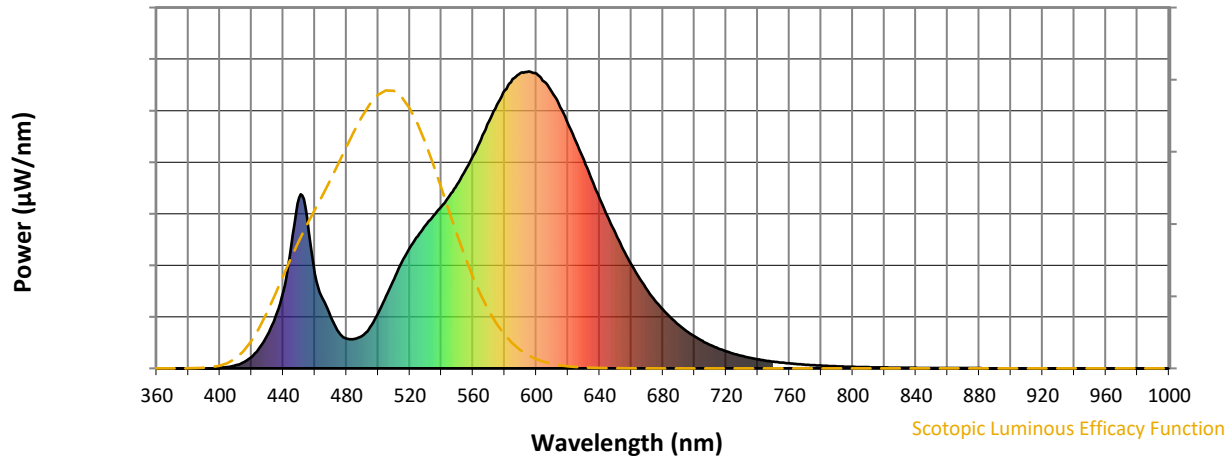


**Photopic Lumens: NR**

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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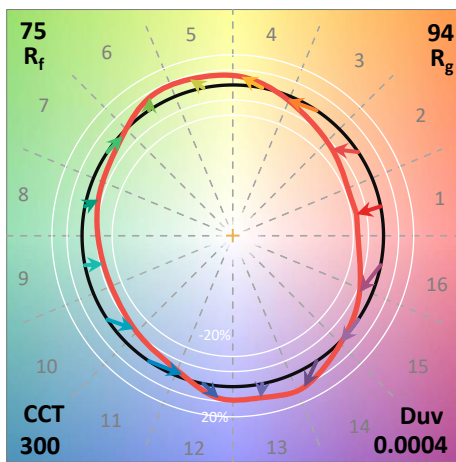
TM-30-18

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

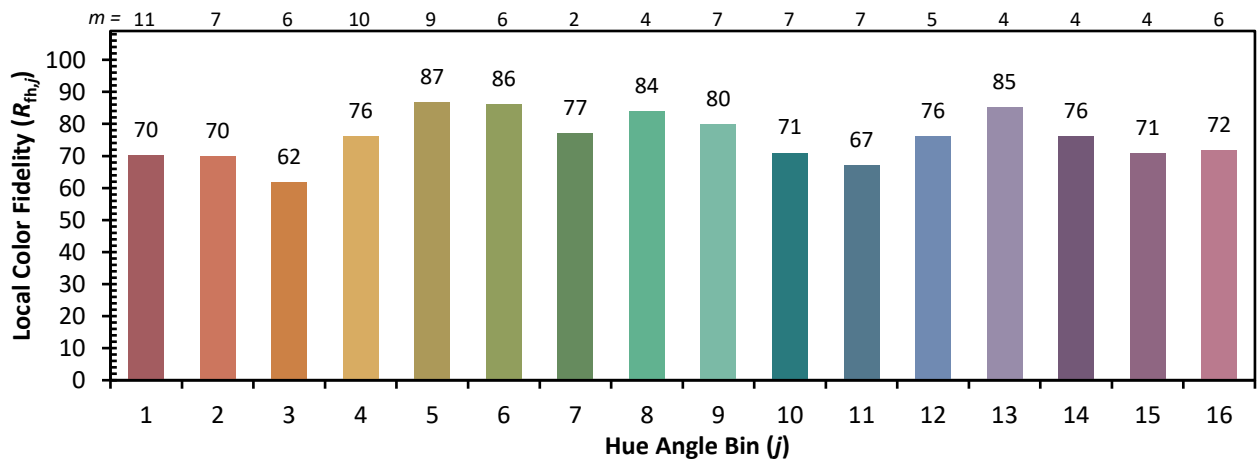
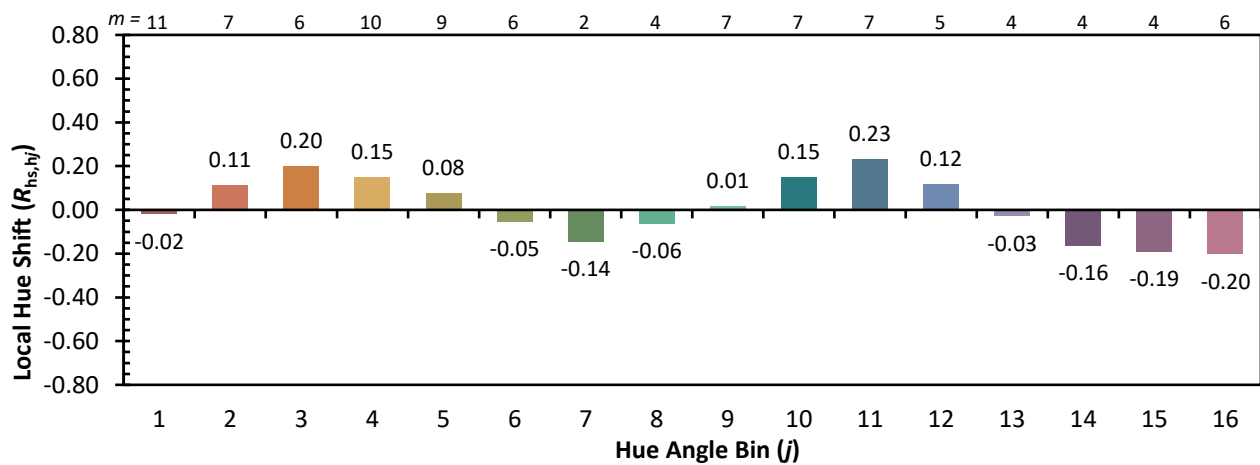
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CES03 = 31	CES28 = 85	CES53 = 77	CES78 = 63
CES04 = 71	CES29 = 69	CES54 = 86	CES79 = 86
CES05 = 49	CES30 = 84	CES55 = 84	CES80 = 84
CES06 = 51	CES31 = 72	CES56 = 75	CES81 = 72
CES07 = 41	CES32 = 65	CES57 = 74	CES82 = 93
CES08 = 40	CES33 = 79	CES58 = 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
CES24 = 91	CES49 = 79	CES74 = 95	CES99 = 65
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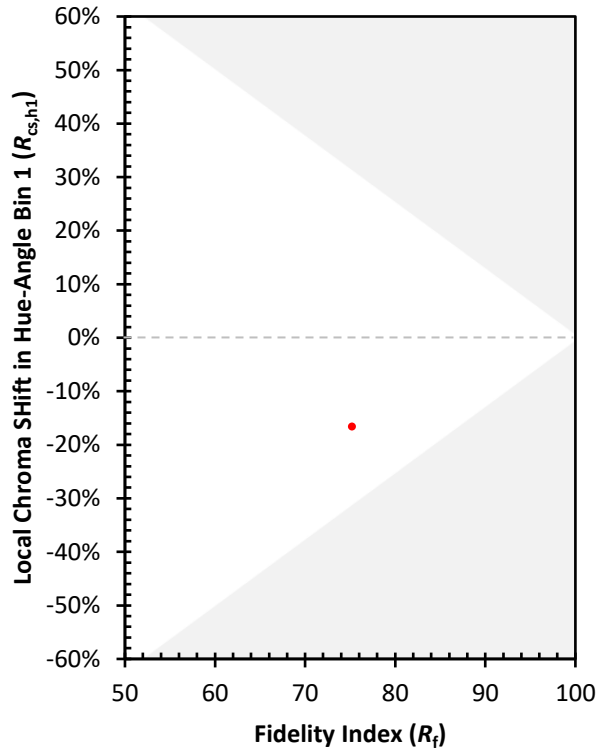
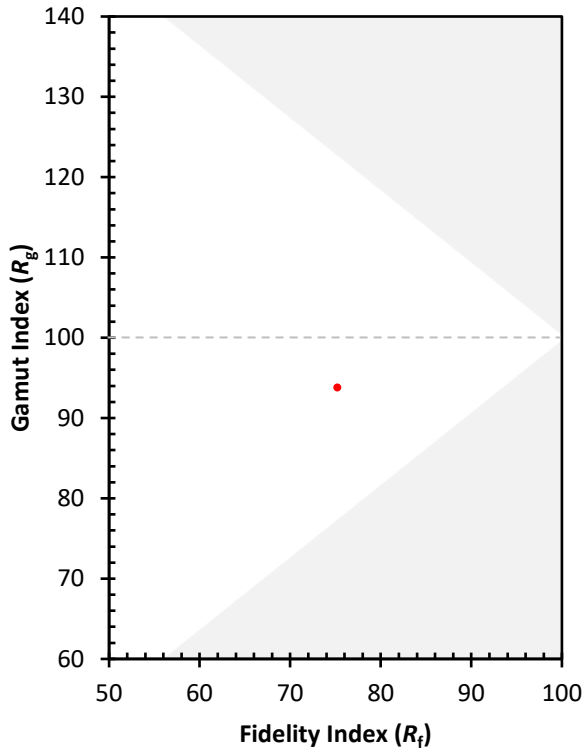
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)