

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: P856351

Luminaire Tested: **FFX-CLB-30-730-U-VM8**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856351
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-30-730-U-VM8
Description: FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK
Light Source: (6) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

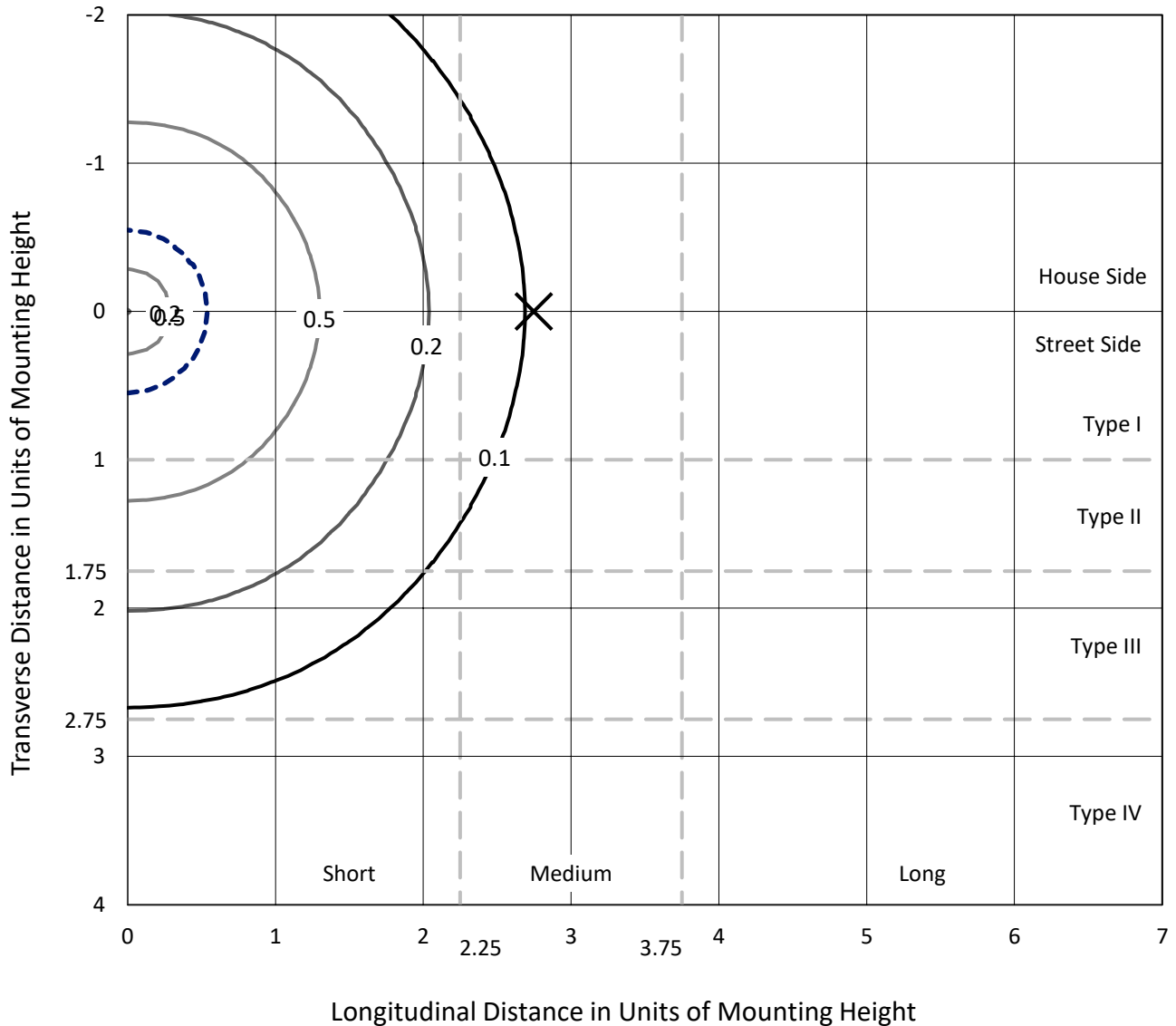
Lumens per Lamp: N/A
Luminaire Lumens: 4898.4 lumens
Efficiency: N/A
Efficacy: 160.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification: Type V - Short
BUG Rating: B2 - U5 - G3

Input Watts (W): 30.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 10.6%%
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

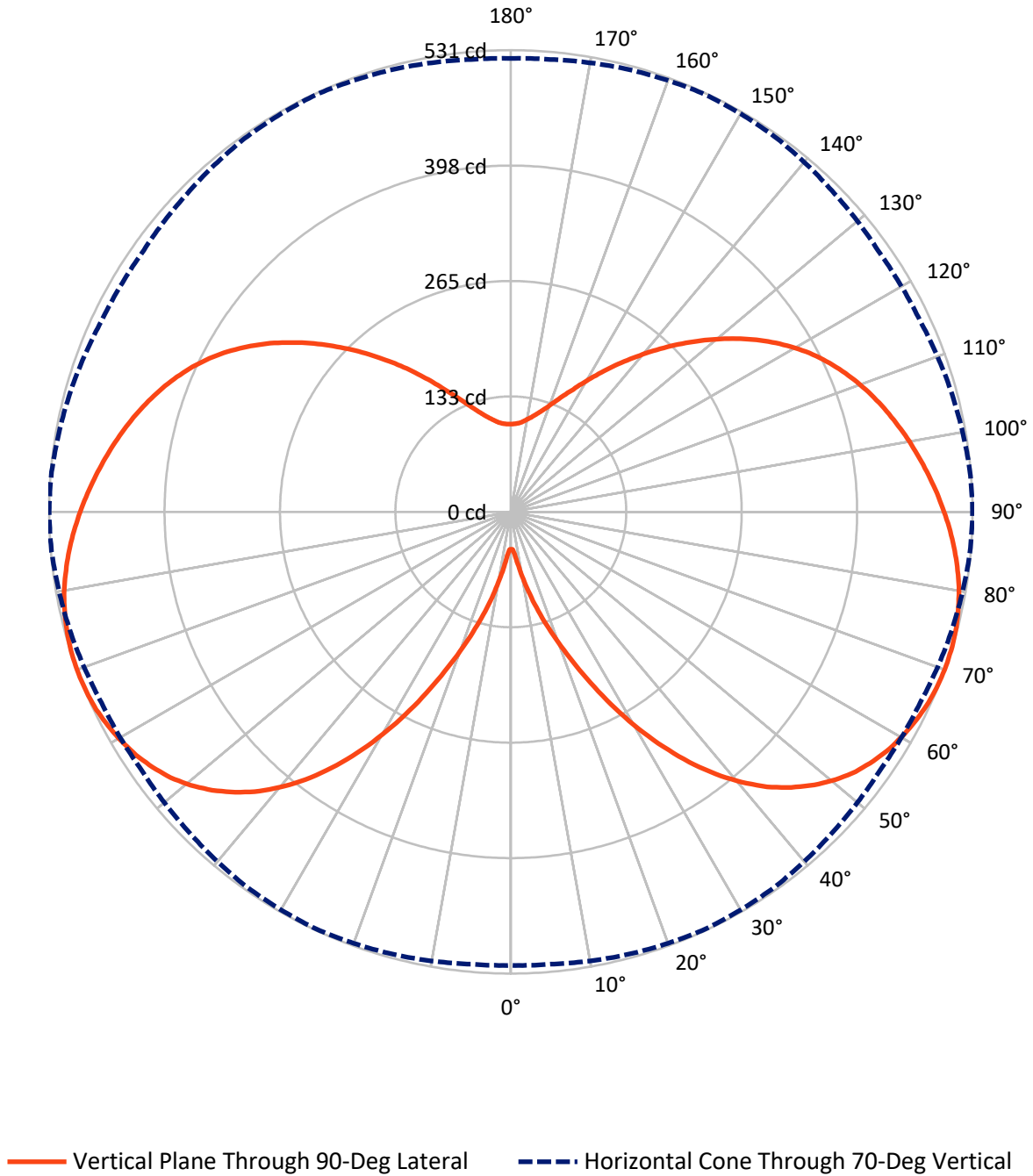
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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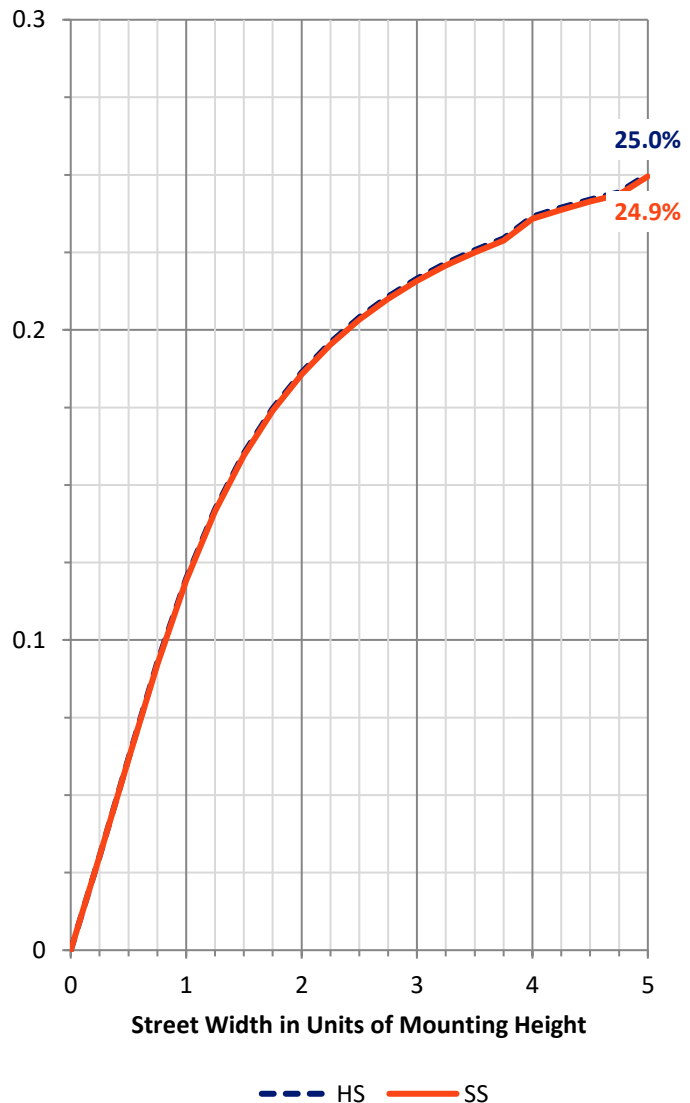
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1387.2	1062.0	2449.2
	% Fixture	28.3	21.7	50.0
Street Side	Lumens	1387.2	1062.0	2449.2
	% Fixture	28.3	21.7	50.0
Total	Lumens	2774.4	2124.0	4898.4
	% Fixture	56.6	43.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.8	0.1
10°-20°	35.1	0.7
20°-30°	104.6	2.1
30°-40°	218.8	4.5
40°-50°	343.4	7.0
50°-60°	445.7	9.1
60°-70°	515.9	10.5
70°-80°	552.3	11.3
80°-90°	552.8	11.3
90°-100°	521.3	10.6
100°-110°	466.4	9.5
110°-120°	392.2	8.0
120°-130°	300.8	6.1
130°-140°	205.8	4.2
140°-150°	125.6	2.6
150°-160°	68.7	1.4
160°-170°	33.3	0.7
170°-180°	9.9	0.2
0°-90°	2774.4	56.6
0°-180°	4898.4	100.0

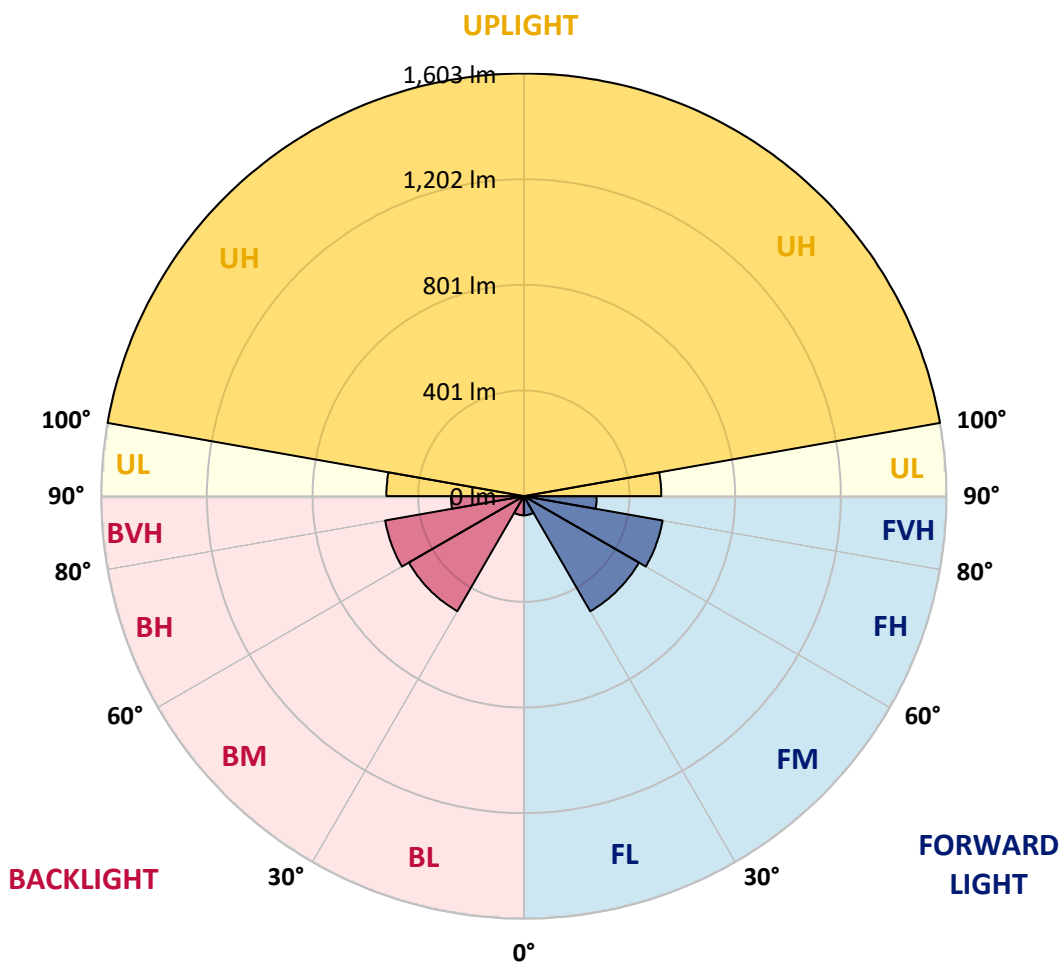


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	72.7	1.5			
FM (30°-60°)	503.9	10.3			
FH (60°-80°)	534.1	10.9			G0/660
FVH (80°-90°)	276.4	5.6			G3/500
BL (0°-30°)	72.7	1.5	B0/110		
BM (30°-60°)	503.9	10.3	B1/1000		
BH (60°-80°)	534.1	10.9	B2/1000		G0/660
BVH (80°-90°)	276.4	5.6			G3/500
UL (90°-100°)	521.3	10.6		U4/1000	
UH (100°-180°)	1602.7	32.7		U5	

BUG Rating: B2-U5-G3
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
2.5°	44.9	44.9	44.6	44.6	44.3	44.0	44.0	44.0	43.6	43.6	43.3
5°	51.2	50.9	50.9	50.5	50.9	50.5	50.5	50.5	50.5	49.9	49.9
7.5°	63.4	63.1	63.1	62.8	63.4	62.8	62.8	63.1	63.1	62.8	62.8
10°	79.4	79.1	79.1	78.5	79.1	78.8	78.8	78.2	78.5	78.2	78.5
12.5°	98.6	97.6	97.6	97.3	97.9	97.6	97.3	96.7	97.3	97.0	97.0
15°	118.4	118.7	118.4	118.0	118.7	118.7	118.4	117.7	118.4	117.7	118.0
17.5°	140.3	140.3	140.3	139.4	140.3	140.6	140.3	139.7	140.0	140.3	140.3
20°	164.2	164.2	164.5	163.9	165.4	164.5	164.2	163.9	164.2	164.5	164.8
22.5°	190.6	190.6	190.9	190.6	191.5	191.5	191.2	191.2	191.5	192.1	192.1
25°	219.8	220.1	220.1	219.1	221.3	221.9	221.3	221.3	221.9	222.9	222.9
27.5°	249.9	251.1	250.5	250.5	253.3	253.7	253.3	253.7	254.6	255.5	255.9
30°	281.0	281.9	283.2	282.2	285.4	285.7	286.0	286.3	287.6	289.1	289.1
32.5°	312.0	313.0	313.6	313.6	317.7	317.4	317.1	318.3	320.2	320.8	321.8
35°	343.1	343.1	343.8	344.1	348.1	347.8	348.5	349.4	351.3	352.5	353.2
37.5°	371.1	370.4	372.0	372.6	375.8	376.1	376.4	378.0	380.2	381.7	382.4
40°	396.5	395.9	397.8	398.7	401.5	401.5	402.1	404.0	406.5	408.1	408.4
42.5°	419.1	418.8	420.7	421.9	424.7	424.4	424.1	426.6	429.5	431.3	432.0
45°	438.6	438.2	440.8	442.3	444.5	443.9	443.9	446.1	449.2	451.4	451.7
47.5°	455.2	455.2	458.0	459.9	461.8	460.9	460.2	462.4	465.6	468.7	469.0
50°	470.0	469.6	472.8	475.0	476.5	475.3	474.3	476.5	480.0	483.1	483.8
52.5°	481.6	482.2	485.3	488.2	489.4	487.5	486.0	488.2	491.9	495.4	496.0
55°	491.6	491.9	495.4	498.8	499.5	497.0	495.1	497.0	501.0	504.8	505.4
57.5°	499.5	500.1	504.2	507.3	507.6	504.8	502.6	504.2	508.6	512.3	513.3
60°	506.4	507.0	510.8	514.2	514.5	511.1	508.3	509.5	514.2	518.6	519.2
62.5°	511.7	512.6	516.7	519.9	519.9	515.8	512.3	513.6	518.6	523.3	524.0
65°	516.1	517.0	521.1	524.3	524.0	519.2	515.5	516.7	522.1	526.8	527.7
67.5°	519.2	519.9	524.3	527.4	526.1	521.1	517.4	518.3	524.0	528.7	529.6
70°	521.1	521.8	526.1	529.0	527.1	521.8	517.7	518.9	524.6	529.6	530.5
72.5°	522.1	523.0	527.1	529.6	527.4	521.4	517.0	518.6	524.3	529.6	530.2
75°	521.8	522.4	526.5	528.7	525.8	520.2	515.5	517.0	523.0	527.7	528.7
77.5°	520.2	520.8	524.6	526.5	523.0	517.4	513.0	514.5	520.2	524.9	525.8
80°	517.7	518.3	521.8	523.0	519.6	513.9	509.8	511.4	516.7	521.1	522.1
82.5°	513.6	514.5	517.7	518.3	514.5	509.5	505.4	507.0	512.0	516.1	516.7
85°	508.6	509.2	512.0	512.3	508.6	504.2	500.7	502.3	506.7	509.8	510.8
87.5°	502.9	502.9	505.7	505.7	501.7	497.6	495.1	496.3	500.4	502.9	503.9
90°	496.0	496.3	498.2	497.9	494.1	490.7	488.5	490.0	493.5	495.7	496.3
92.5°	488.5	488.8	490.4	489.7	486.0	483.1	481.3	483.1	486.3	487.8	488.5
95°	480.3	480.6	481.9	480.6	477.2	475.0	473.4	475.6	478.1	479.7	480.3
97.5°	471.8	472.2	473.1	471.8	468.1	466.2	465.6	467.4	470.0	471.2	471.8
100°	463.0	463.0	463.7	461.8	458.7	457.1	456.8	459.0	461.5	462.7	463.4
102.5°	453.3	453.6	453.6	451.7	448.6	447.7	447.7	450.2	452.7	453.6	454.3
105°	443.3	443.3	443.3	441.7	438.2	437.6	437.9	440.4	443.3	444.5	445.2
107.5°	432.3	432.6	432.0	430.4	427.6	426.9	427.6	431.0	433.5	434.8	435.4
110°	420.7	421.0	420.7	418.8	416.3	416.0	416.9	420.4	422.9	424.1	425.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	408.4	408.7	408.4	406.9	404.3	404.3	405.6	409.1	411.9	412.8	413.8
115°	395.6	395.9	395.2	394.0	391.5	392.1	393.4	396.8	399.6	400.6	401.8
117.5°	381.7	382.1	381.7	380.2	378.0	378.6	380.5	383.9	386.4	387.4	388.6
120°	366.7	366.7	366.7	365.1	362.9	364.2	366.0	369.8	372.0	372.6	373.9
122.5°	351.3	350.7	350.7	349.7	347.2	348.8	350.7	354.4	356.6	356.9	357.9
125°	334.3	334.7	333.7	333.1	330.9	332.8	334.3	338.1	340.0	340.3	341.2
127.5°	316.1	317.1	316.1	315.2	313.6	315.5	317.4	320.8	322.4	322.7	323.3
130°	299.2	299.2	298.2	297.6	296.0	297.9	299.8	302.9	304.5	304.5	305.1
132.5°	282.2	281.3	281.0	280.3	278.5	280.7	281.9	285.0	286.3	286.0	286.6
135°	263.7	263.7	262.8	262.4	260.9	263.1	264.3	267.2	268.1	267.8	268.4
137.5°	246.4	246.4	245.8	245.2	244.2	246.1	247.4	249.6	250.5	249.6	250.5
140°	229.5	229.5	229.2	228.5	227.6	229.5	230.4	232.3	233.3	232.3	232.9
142.5°	213.8	213.2	212.8	212.5	211.3	213.2	213.8	215.7	216.0	215.4	216.3
145°	197.1	197.5	197.1	196.8	195.9	197.5	198.1	199.7	200.0	199.3	200.3
147.5°	183.3	182.4	182.7	182.4	181.5	183.0	183.3	184.3	184.9	184.3	184.9
150°	169.5	168.9	168.9	168.6	168.0	169.2	169.5	170.5	170.8	170.2	170.8
152.5°	157.3	157.0	157.0	156.7	156.0	157.0	157.3	157.9	158.2	157.6	157.9
155°	146.3	146.0	146.0	145.7	145.0	146.0	146.0	146.6	146.9	146.6	146.9
157.5°	136.6	136.2	136.2	136.2	135.6	136.2	136.2	136.9	136.9	136.6	136.9
160°	128.7	128.1	128.4	128.1	127.5	128.1	128.1	128.4	128.4	128.4	128.4
162.5°	121.5	121.5	121.5	121.2	120.9	121.2	121.2	121.5	121.5	121.5	121.2
165°	115.8	115.8	115.8	115.5	115.2	115.5	115.5	115.5	115.5	115.5	115.5
167.5°	111.1	110.8	111.1	110.8	110.5	110.8	110.8	110.8	110.8	110.8	110.8
170°	107.1	107.1	107.1	107.1	106.7	107.1	107.1	107.1	107.1	107.1	107.1
172.5°	104.5	104.2	104.2	104.2	103.9	104.2	103.9	104.2	103.9	104.2	103.9
175°	102.3	102.3	102.3	102.3	102.0	102.0	102.0	102.0	102.0	102.0	102.0
177.5°	101.1	101.1	101.1	101.1	101.1	101.1	101.1	101.1	101.1	101.1	101.1
180°	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8

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

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

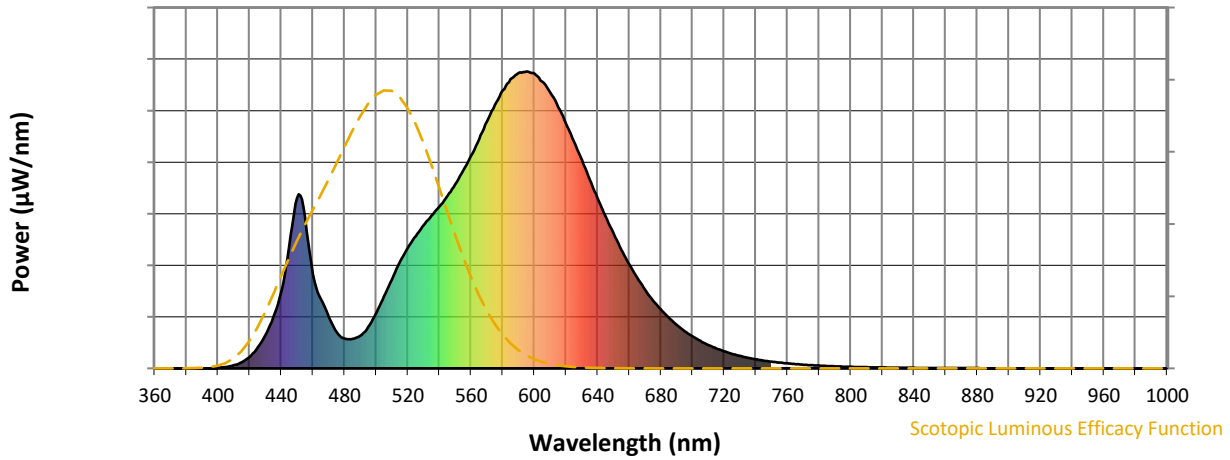


Photopic Lumens: NR

λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /nm	Lumens (ϕ /nm)	λ (nm)	Power W [^] /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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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.21

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /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 [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /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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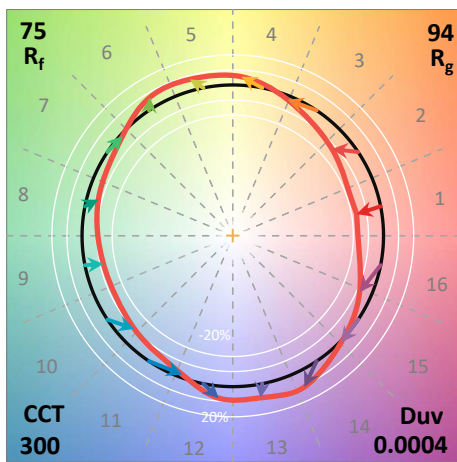
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Summary

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



Color Vector Graphics



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

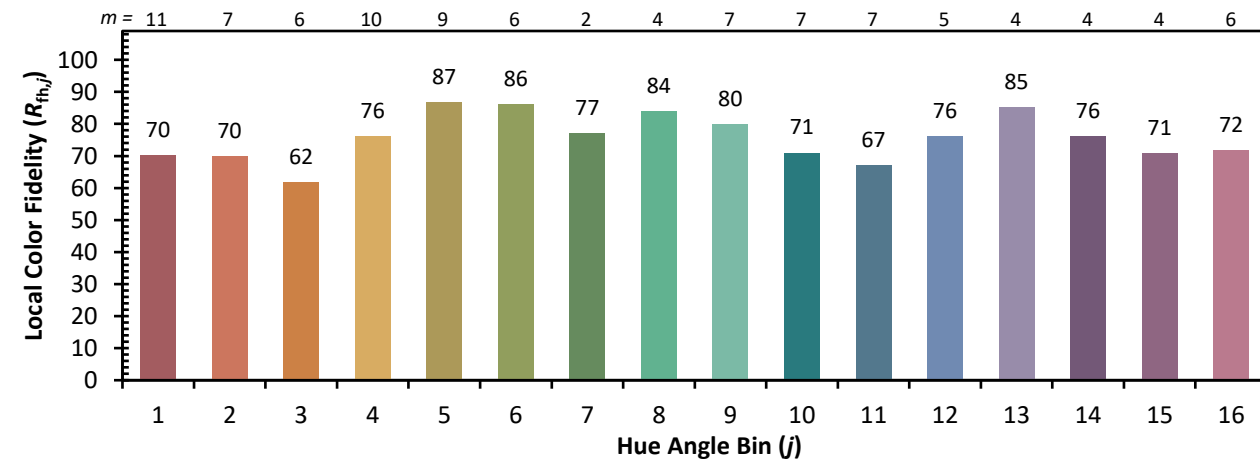
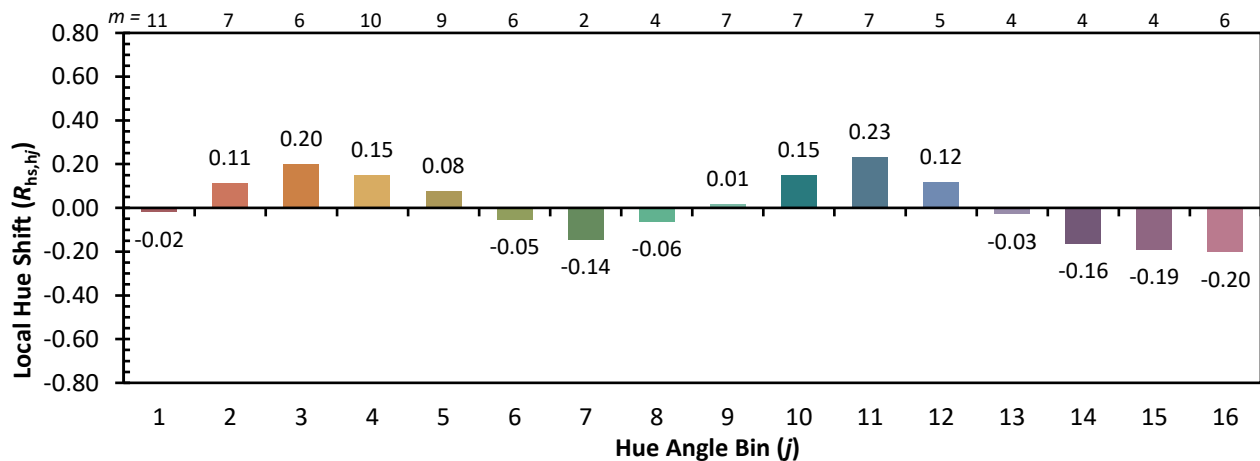
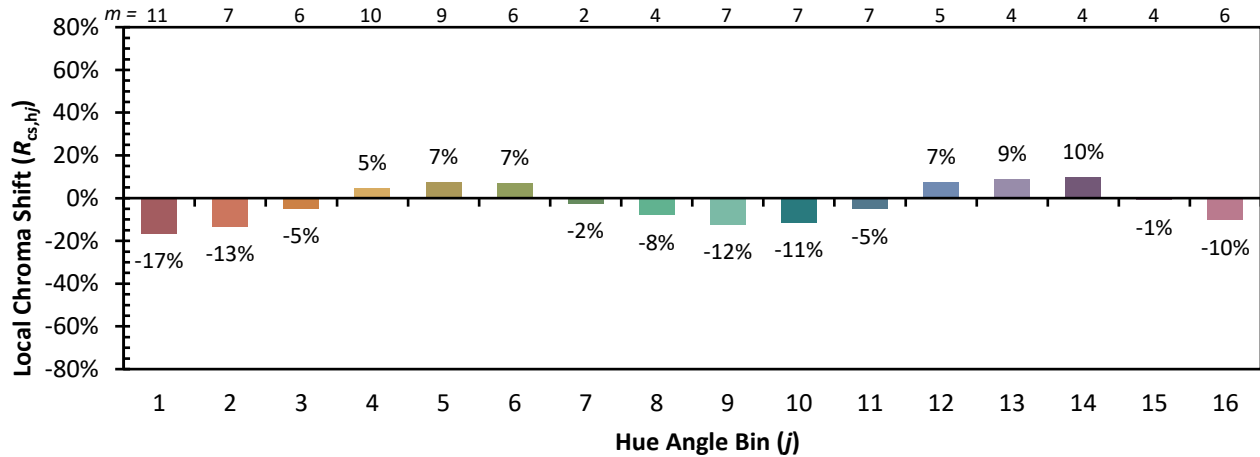
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CES02 = 62	CES27 = 89	CES52 = 85	CES77 = 77
CES03 = 31	CES28 = 85	CES53 = 77	CES78 = 63
CES04 = 71	CES29 = 69	CES54 = 86	CES79 = 86
CES05 = 49	CES30 = 84	CES55 = 84	CES80 = 84
CES06 = 51	CES31 = 72	CES56 = 75	CES81 = 72
CES07 = 41	CES32 = 65	CES57 = 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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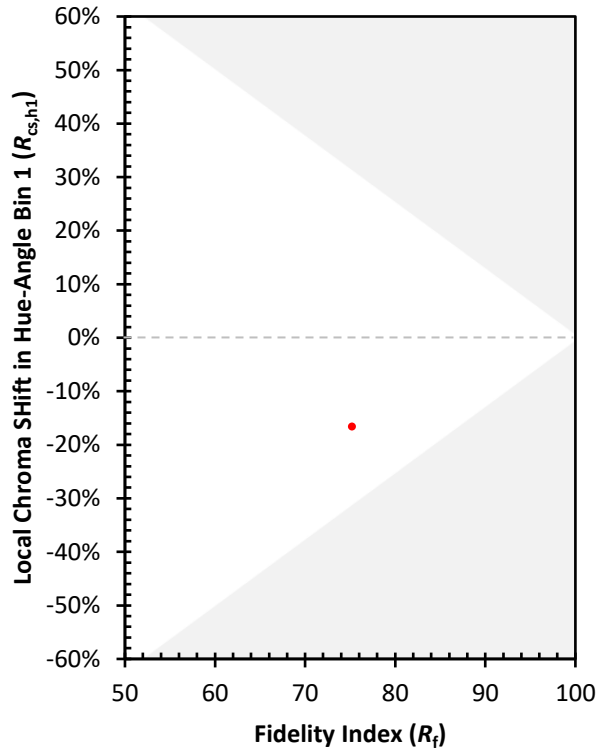
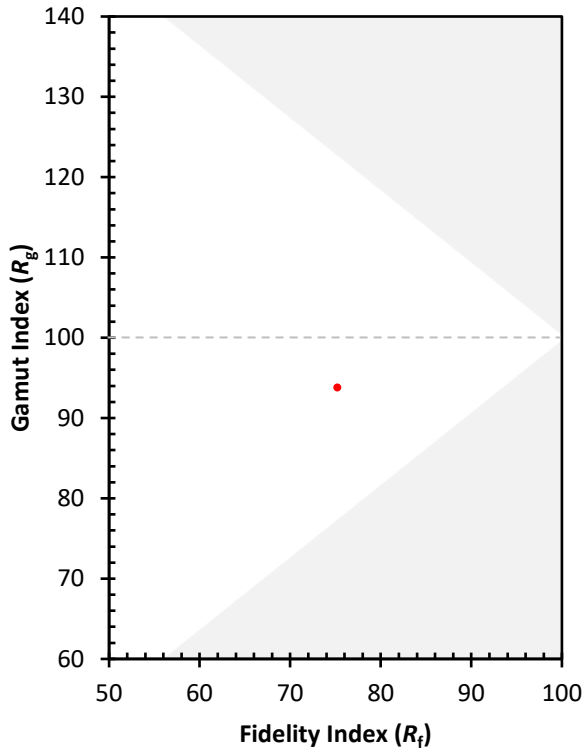
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)