

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: P856375

Luminaire Tested: **FFX-CLB-60-722-U-VM9**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856375
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-60-722-U-VM9
Description: FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK
Light Source: (6) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

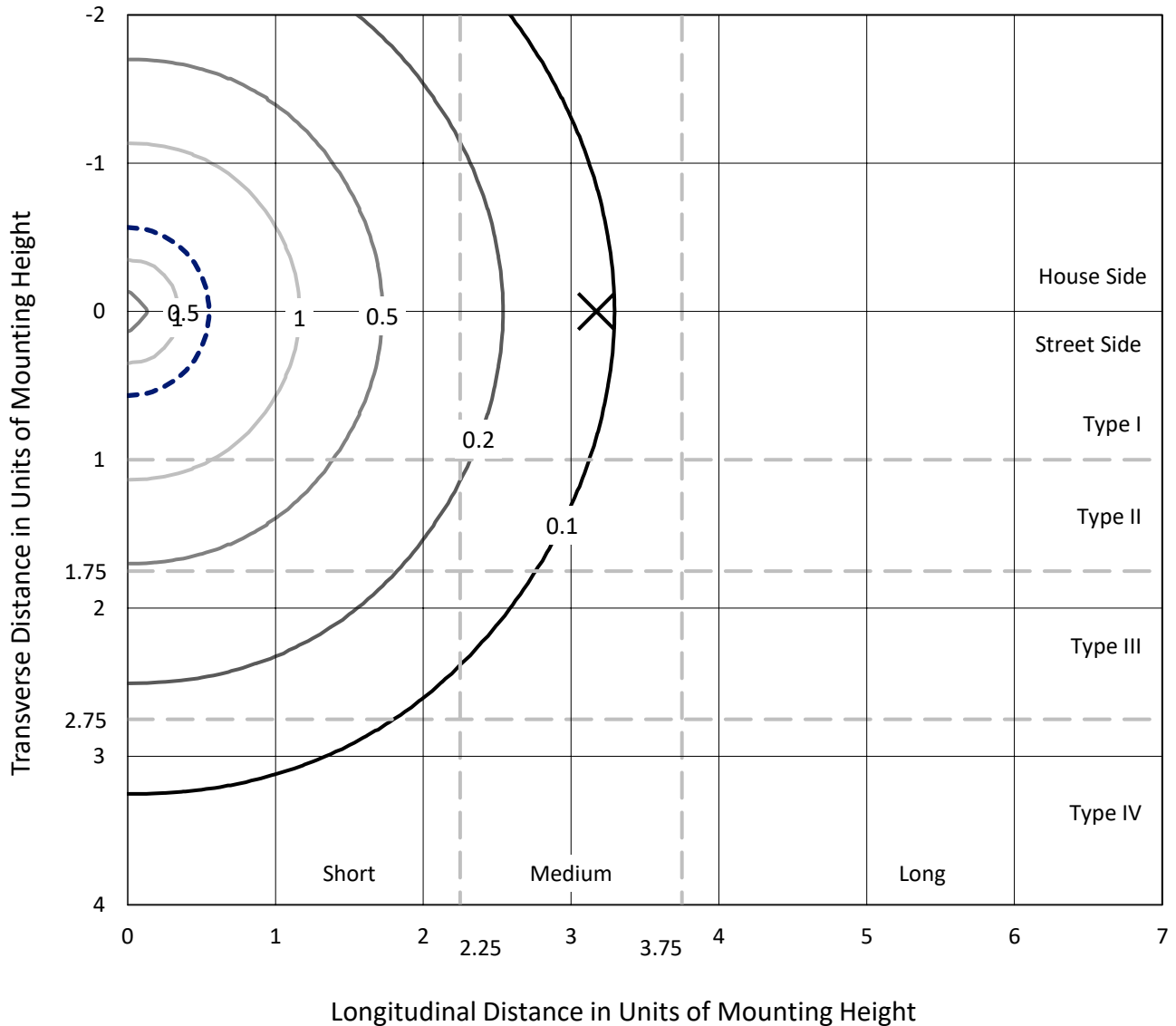
Lumens per Lamp: N/A
Luminaire Lumens: 8102.5 lumens
Efficiency: N/A
Efficacy: 135.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification: Type V - Short
BUG Rating: B2 - U5 - G3

Input Watts (W): 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

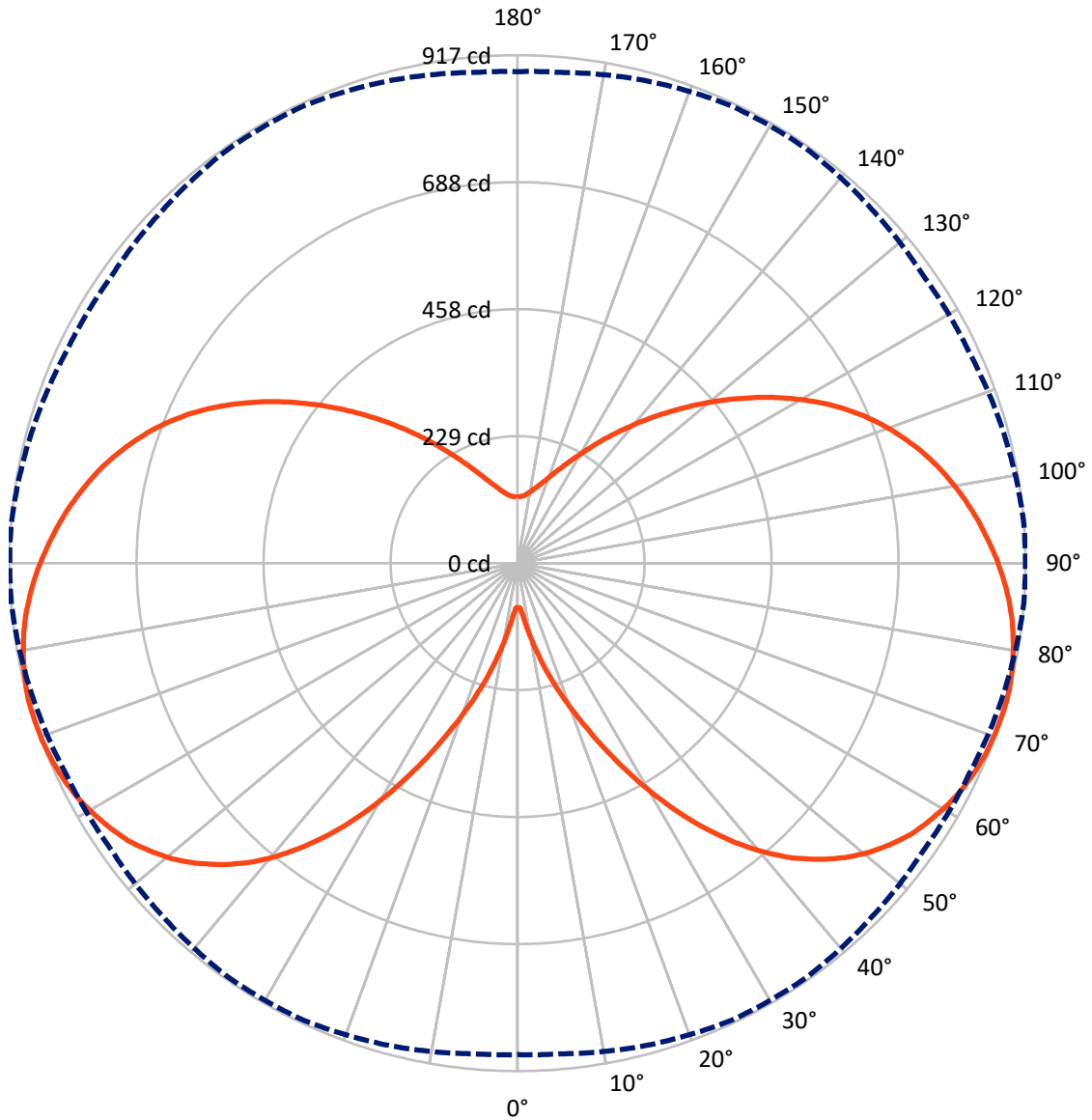
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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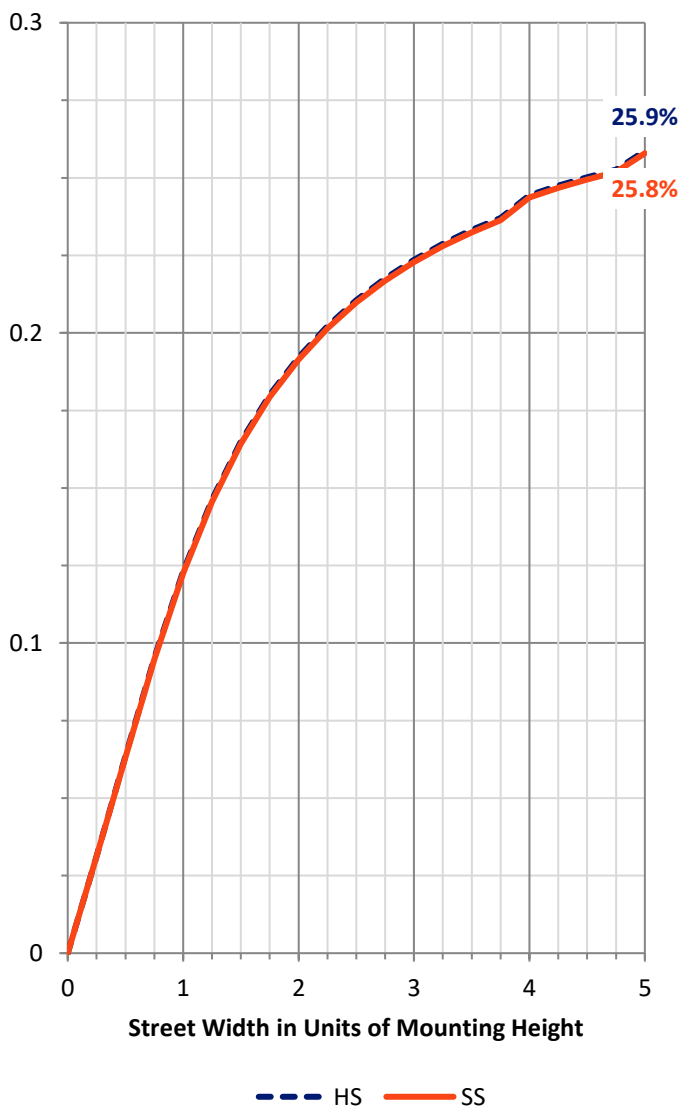
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2373.2	1678.1	4051.3
	% Fixture	29.3	20.7	50.0
Street Side	Lumens	2373.2	1678.1	4051.3
	% Fixture	29.3	20.7	50.0
Total	Lumens	4746.3	3356.2	8102.5
	% Fixture	58.6	41.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.4	0.1
10°-20°	60.8	0.8
20°-30°	175.6	2.2
30°-40°	365.3	4.5
40°-50°	579.8	7.2
50°-60°	761.1	9.4
60°-70°	887.4	11.0
70°-80°	953.2	11.8
80°-90°	952.7	11.8
90°-100°	891.8	11.0
100°-110°	782.5	9.7
110°-120°	629.3	7.8
120°-130°	452.0	5.6
130°-140°	290.5	3.6
140°-150°	168.5	2.1
150°-160°	88.5	1.1
160°-170°	41.2	0.5
170°-180°	11.9	0.1
0°-90°	4746.3	58.6
0°-180°	8102.5	100.0

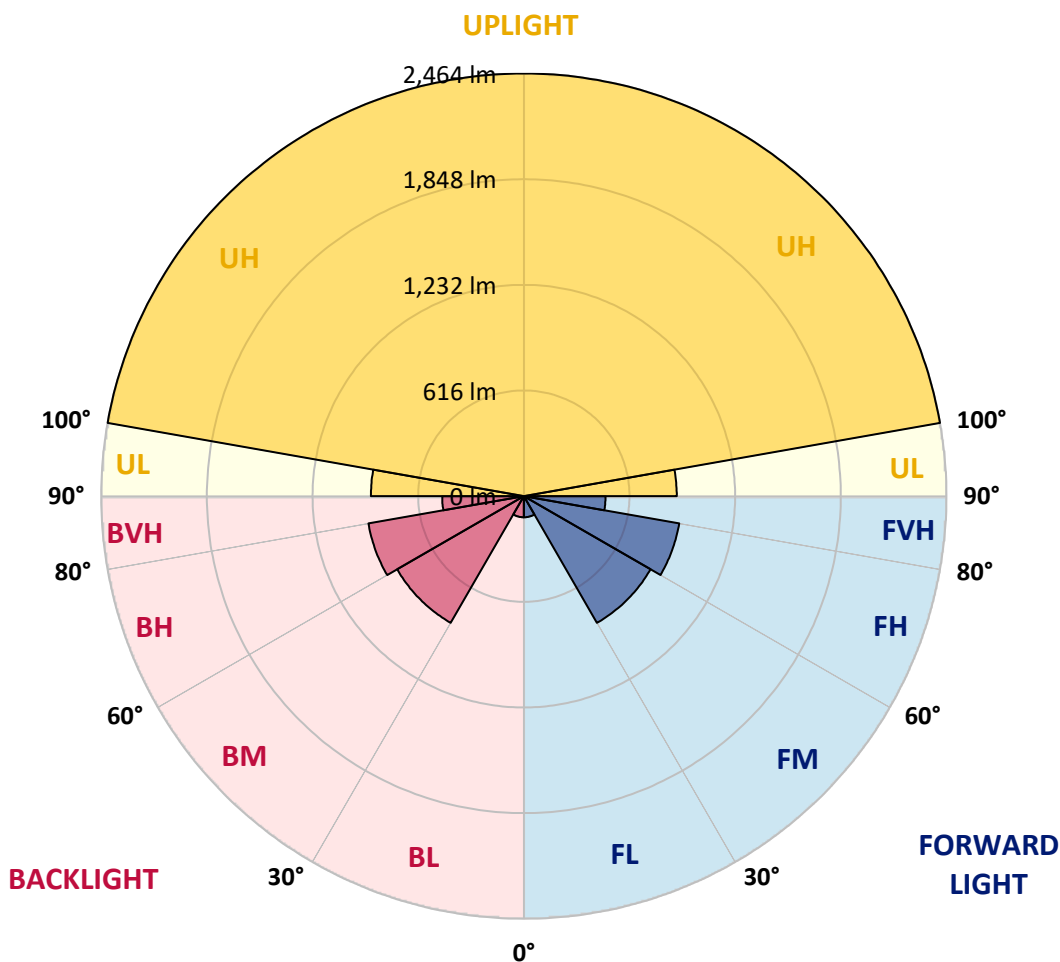


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	123.4	1.5			
FM (30°-60°)	853.1	10.5			
FH (60°-80°)	920.3	11.4			G1/1800
FVH (80°-90°)	476.4	5.9			G3/500
BL (0°-30°)	123.4	1.5	B1/500		
BM (30°-60°)	853.1	10.5	B1/1000		
BH (60°-80°)	920.3	11.4	B2/1000		G1/1800
BVH (80°-90°)	476.4	5.9			G3/500
UL (90°-100°)	891.8	11.0		U4/1000	
UH (100°-180°)	2464.4	30.4		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°	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
2.5°	83.4	83.4	82.9	82.9	82.4	81.9	81.9	81.4	80.8	80.8	80.8
5°	92.8	92.3	92.3	92.3	92.3	91.8	92.3	91.8	91.8	91.8	92.3
7.5°	113.2	112.7	112.7	112.7	113.2	113.2	113.7	114.2	114.7	114.7	114.7
10°	139.8	139.3	139.3	138.7	139.8	139.8	140.3	139.3	140.8	140.8	141.3
12.5°	171.1	170.5	170.5	170.0	171.1	170.5	171.6	170.5	173.2	172.1	172.1
15°	205.0	205.0	204.4	203.9	205.5	205.5	206.5	206.5	208.1	207.1	207.6
17.5°	241.0	240.4	240.4	239.9	241.5	241.5	241.5	242.5	244.6	242.5	244.1
20°	279.5	279.0	279.0	278.5	280.1	280.1	281.1	281.6	283.7	282.2	283.2
22.5°	321.3	320.8	320.8	320.8	322.8	323.4	323.4	324.9	327.5	324.9	327.0
25°	367.7	367.2	367.2	368.7	370.3	370.8	371.9	373.9	376.6	373.9	376.6
27.5°	417.2	416.7	417.8	419.8	421.4	422.5	424.0	424.5	428.2	425.6	429.2
30°	468.3	467.8	468.9	471.5	473.6	476.7	476.7	478.3	483.5	479.8	483.5
32.5°	518.9	518.4	520.0	523.1	526.2	529.4	529.9	532.0	537.2	534.6	538.2
35°	569.0	568.5	570.6	574.7	577.9	581.0	582.0	584.1	589.9	587.3	590.9
37.5°	616.5	616.5	618.6	623.2	626.9	631.1	630.6	633.2	638.4	636.8	640.5
40°	660.8	660.8	663.4	669.1	673.3	675.9	675.4	678.0	683.7	683.2	686.4
42.5°	701.0	701.0	704.6	710.3	714.5	716.1	716.1	718.7	725.0	724.4	727.6
45°	734.9	736.4	740.6	746.9	750.5	752.1	751.0	753.6	760.4	760.4	763.0
47.5°	766.2	768.2	772.4	778.7	781.3	782.8	781.8	783.9	790.7	791.7	794.3
50°	793.3	794.8	800.1	806.8	809.4	809.4	807.9	810.0	817.3	819.4	821.4
52.5°	816.7	818.3	824.0	831.3	832.9	832.4	830.3	832.4	839.7	841.8	843.3
55°	835.5	837.1	843.9	851.2	852.7	851.2	848.0	850.6	857.4	860.6	863.2
57.5°	850.6	852.2	860.0	867.3	868.9	865.8	862.1	864.7	872.5	876.2	877.2
60°	863.2	864.7	873.1	880.9	881.9	878.3	874.1	876.7	884.5	888.7	889.8
62.5°	873.1	874.6	883.5	892.4	892.9	888.2	883.5	886.1	893.9	898.6	900.2
65°	879.8	881.4	891.3	900.2	901.2	895.5	890.8	893.4	900.7	906.4	907.5
67.5°	884.5	886.1	897.1	906.4	907.0	900.7	895.5	897.6	905.9	911.7	912.7
70°	886.6	888.2	899.7	909.6	910.1	903.3	897.1	899.7	908.0	914.8	915.8
72.5°	887.2	889.2	901.2	911.1	911.7	903.8	897.6	899.7	908.5	916.4	916.9
75°	885.1	887.7	900.2	910.6	910.6	901.8	895.0	897.1	907.0	915.3	916.9
77.5°	882.5	884.0	897.1	907.5	907.0	897.6	889.8	892.9	902.8	912.2	913.2
80°	876.7	878.8	891.8	901.8	900.7	890.3	883.0	886.1	896.5	906.4	907.5
82.5°	869.4	871.5	884.5	893.4	892.4	881.4	874.1	877.8	888.7	899.1	900.2
85°	860.6	862.6	875.2	883.5	881.9	871.0	863.7	866.8	878.8	889.2	890.3
87.5°	849.1	851.2	863.7	871.0	869.4	857.9	851.7	855.9	866.8	877.8	878.3
90°	836.0	838.6	849.6	856.4	854.3	843.9	838.1	842.3	853.3	863.7	864.7
92.5°	823.0	824.0	834.5	840.2	838.6	829.3	824.0	828.7	838.6	849.1	849.1
95°	807.4	808.9	818.3	823.0	821.4	813.6	808.9	814.1	823.0	832.9	833.4
97.5°	790.7	792.2	800.1	804.7	803.2	796.4	793.3	798.5	806.3	815.7	816.2
100°	772.9	774.0	780.8	784.9	783.4	778.1	776.1	781.3	788.6	797.4	797.4
102.5°	753.1	754.2	759.4	762.0	761.5	757.3	757.3	763.0	768.8	777.1	778.1
105°	732.3	733.3	736.9	738.5	738.0	736.4	737.5	743.2	747.9	755.2	756.2
107.5°	708.8	709.8	711.9	712.4	712.4	712.4	716.1	721.3	726.5	731.7	732.3
110°	683.7	684.3	685.8	685.3	685.3	686.4	691.6	697.3	701.5	706.7	707.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	656.6	657.1	658.2	656.1	656.6	658.7	665.5	671.8	674.4	679.6	679.6
115°	627.9	627.4	628.5	625.9	625.3	629.0	636.3	643.6	645.7	649.3	649.8
117.5°	596.6	597.2	596.6	593.5	593.0	598.2	605.0	611.8	614.4	618.6	617.5
120°	564.3	563.8	564.3	560.7	560.1	565.9	572.7	579.4	581.0	584.7	583.6
122.5°	531.5	530.9	530.4	526.8	526.8	531.5	539.8	546.6	545.5	549.7	549.2
125°	497.6	497.6	496.5	492.9	492.9	498.6	505.4	511.6	510.6	515.3	513.7
127.5°	464.2	464.2	463.1	460.0	460.0	465.2	471.5	477.7	476.2	480.3	478.8
130°	431.3	431.3	430.3	427.1	427.1	431.3	438.1	443.3	441.2	444.9	444.4
132.5°	400.0	399.5	399.0	395.9	396.4	400.5	405.8	410.5	408.4	412.5	411.0
135°	369.8	369.3	368.7	365.6	366.1	370.3	375.0	378.6	377.1	379.7	379.2
137.5°	341.1	340.6	340.0	337.4	338.0	341.1	345.8	348.9	346.8	350.5	348.9
140°	314.0	313.4	312.4	310.8	311.4	314.5	317.1	320.8	318.7	321.8	320.2
142.5°	287.9	287.9	286.9	285.3	285.8	288.9	291.0	293.6	291.5	294.2	293.1
145°	263.9	263.9	262.9	261.8	261.8	264.4	266.0	268.6	266.5	269.1	268.1
147.5°	242.0	242.0	241.0	239.9	239.9	242.5	243.6	245.6	243.6	245.6	244.6
150°	221.7	221.7	221.1	220.1	220.6	221.7	222.7	224.3	222.7	224.3	223.7
152.5°	203.9	203.9	203.4	202.9	202.4	203.9	204.4	206.0	204.4	206.0	205.0
155°	188.3	187.8	187.8	186.7	186.7	187.8	188.3	189.3	187.8	189.3	188.8
157.5°	174.2	174.2	173.7	173.2	173.2	173.7	174.2	174.7	173.7	175.2	174.2
160°	162.2	162.2	161.7	161.2	161.2	161.7	161.7	162.2	161.2	162.2	161.7
162.5°	151.8	151.8	151.2	151.2	150.7	151.2	151.8	151.8	151.2	151.8	151.2
165°	143.4	143.4	142.9	142.4	142.4	142.9	142.9	143.4	142.4	142.9	142.9
167.5°	135.6	135.6	135.6	135.1	134.6	135.1	135.1	135.1	134.6	135.1	135.1
170°	129.9	129.9	129.9	129.3	128.8	129.3	129.3	129.3	128.8	129.3	129.3
172.5°	125.2	125.2	125.2	124.6	124.6	124.6	124.6	124.6	124.6	124.6	124.6
175°	122.0	122.0	122.0	122.0	121.5	122.0	122.0	122.0	122.0	122.0	121.5
177.5°	120.5	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
180°	119.4	119.4	119.4	119.4	119.4	119.4	119.4	119.4	119.4	119.4	119.4

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: SP1-2406-133-2

Test Date: 07/11/2024

Luminaire Tested: FFX-CLB-100-722-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-722-U-FR-T5.

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2406-133-2
 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-100-722-U-FR-T5**
 Description: FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K): 2211
 CIE u': 0.2892
 CIE v': 0.5376
 Duv: 0.0011
 CIE x: 0.5069
 CIE y: 0.4188
 CIE z: 0.0743
 Peak Wavelength (nm): 606
 Dominant Wavelength (nm): 586
 Purity: 77.8805
 Rf: 76.1
 Rg: 94.3

CRI (Ra):	71.4		
R1:	68.2	R9:	-29.2
R2:	85.0	R10:	67.8
R3:	94.0	R11:	60.7
R4:	65.1	R12:	59.0
R5:	66.6	R13:	71.3
R6:	81.8	R14:	97.6
R7:	73.4	R15:	58.9
R8:	37.3		



Test Conditions

Stabilization Time: 0.813563M
 Operation Time: 1H
 Sphere Temperature (°C): 24.7

REPORT NUMBER: SP1-2406-133-2

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



CCT = 2211K
CIE x = 0.5069
CIE y = 0.4188
Duv = 0.0011

Point lies inside the ANSI 2200K 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	58	NR	620	925	NR	750	30	NR	880	1	NR
365	0	NR	495	75	NR	625	877	NR	755	26	NR	885	1	NR
370	0	NR	500	101	NR	630	821	NR	760	22	NR	890	1	NR
375	0	NR	505	135	NR	635	756	NR	765	19	NR	895	0	NR
380	0	NR	510	171	NR	640	692	NR	770	16	NR	900	0	NR
385	0	NR	515	206	NR	645	626	NR	775	14	NR	905	0	NR
390	0	NR	520	238	NR	650	564	NR	780	12	NR	910	0	NR
395	0	NR	525	265	NR	655	502	NR	785	10	NR	915	0	NR
400	0	NR	530	291	NR	660	444	NR	790	9	NR	920	0	NR
405	1	NR	535	314	NR	665	390	NR	795	8	NR	925	0	NR
410	3	NR	540	339	NR	670	341	NR	800	7	NR	930	0	NR
415	7	NR	545	368	NR	675	298	NR	805	6	NR	935	0	NR
420	14	NR	550	401	NR	680	259	NR	810	5	NR	940	0	NR
425	25	NR	555	444	NR	685	224	NR	815	4	NR	945	0	NR
430	40	NR	560	495	NR	690	194	NR	820	4	NR	950	0	NR
435	60	NR	565	553	NR	695	166	NR	825	3	NR	955	0	NR
440	85	NR	570	623	NR	700	142	NR	830	3	NR	960	0	NR
445	121	NR	575	699	NR	705	122	NR	835	2	NR	965	0	NR
450	177	NR	580	777	NR	710	105	NR	840	2	NR	970	0	NR
455	186	NR	585	850	NR	715	90	NR	845	2	NR	975	0	NR
460	126	NR	590	912	NR	720	77	NR	850	2	NR	980	0	NR
465	92	NR	595	960	NR	725	65	NR	855	1	NR	985	0	NR
470	76	NR	600	990	NR	730	56	NR	860	1	NR	990	0	NR
475	57	NR	605	998	NR	735	48	NR	865	1	NR	995	0	NR
480	48	NR	610	991	NR	740	40	NR	870	1	NR	1000	0	NR
485	50	NR	615	963	NR	745	35	NR	875	1	NR			

REPORT NUMBER: SP1-2406-133-2

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 0.87

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	58	NR	620	925	NR	750	30	NR	880	1	NR
365	0	NR	495	75	NR	625	877	NR	755	26	NR	885	1	NR
370	0	NR	500	101	NR	630	821	NR	760	22	NR	890	1	NR
375	0	NR	505	135	NR	635	756	NR	765	19	NR	895	0	NR
380	0	NR	510	171	NR	640	692	NR	770	16	NR	900	0	NR
385	0	NR	515	206	NR	645	626	NR	775	14	NR	905	0	NR
390	0	NR	520	238	NR	650	564	NR	780	12	NR	910	0	NR
395	0	NR	525	265	NR	655	502	NR	785	10	NR	915	0	NR
400	0	NR	530	291	NR	660	444	NR	790	9	NR	920	0	NR
405	1	NR	535	314	NR	665	390	NR	795	8	NR	925	0	NR
410	3	NR	540	339	NR	670	341	NR	800	7	NR	930	0	NR
415	7	NR	545	368	NR	675	298	NR	805	6	NR	935	0	NR
420	14	NR	550	401	NR	680	259	NR	810	5	NR	940	0	NR
425	25	NR	555	444	NR	685	224	NR	815	4	NR	945	0	NR
430	40	NR	560	495	NR	690	194	NR	820	4	NR	950	0	NR
435	60	NR	565	553	NR	695	166	NR	825	3	NR	955	0	NR
440	85	NR	570	623	NR	700	142	NR	830	3	NR	960	0	NR
445	121	NR	575	699	NR	705	122	NR	835	2	NR	965	0	NR
450	177	NR	580	777	NR	710	105	NR	840	2	NR	970	0	NR
455	186	NR	585	850	NR	715	90	NR	845	2	NR	975	0	NR
460	126	NR	590	912	NR	720	77	NR	850	2	NR	980	0	NR
465	92	NR	595	960	NR	725	65	NR	855	1	NR	985	0	NR
470	76	NR	600	990	NR	730	56	NR	860	1	NR	990	0	NR
475	57	NR	605	998	NR	735	48	NR	865	1	NR	995	0	NR
480	48	NR	610	991	NR	740	40	NR	870	1	NR	1000	0	NR
485	50	NR	615	963	NR	745	35	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 1.42

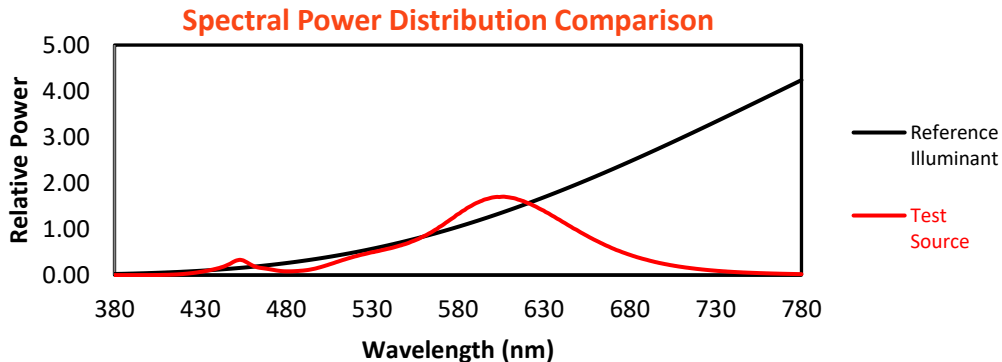
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	58	NR	620	925	NR	750	30	NR	880	1	NR
365	0	NR	495	75	NR	625	877	NR	755	26	NR	885	1	NR
370	0	NR	500	101	NR	630	821	NR	760	22	NR	890	1	NR
375	0	NR	505	135	NR	635	756	NR	765	19	NR	895	0	NR
380	0	NR	510	171	NR	640	692	NR	770	16	NR	900	0	NR
385	0	NR	515	206	NR	645	626	NR	775	14	NR	905	0	NR
390	0	NR	520	238	NR	650	564	NR	780	12	NR	910	0	NR
395	0	NR	525	265	NR	655	502	NR	785	10	NR	915	0	NR
400	0	NR	530	291	NR	660	444	NR	790	9	NR	920	0	NR
405	1	NR	535	314	NR	665	390	NR	795	8	NR	925	0	NR
410	3	NR	540	339	NR	670	341	NR	800	7	NR	930	0	NR
415	7	NR	545	368	NR	675	298	NR	805	6	NR	935	0	NR
420	14	NR	550	401	NR	680	259	NR	810	5	NR	940	0	NR
425	25	NR	555	444	NR	685	224	NR	815	4	NR	945	0	NR
430	40	NR	560	495	NR	690	194	NR	820	4	NR	950	0	NR
435	60	NR	565	553	NR	695	166	NR	825	3	NR	955	0	NR
440	85	NR	570	623	NR	700	142	NR	830	3	NR	960	0	NR
445	121	NR	575	699	NR	705	122	NR	835	2	NR	965	0	NR
450	177	NR	580	777	NR	710	105	NR	840	2	NR	970	0	NR
455	186	NR	585	850	NR	715	90	NR	845	2	NR	975	0	NR
460	126	NR	590	912	NR	720	77	NR	850	2	NR	980	0	NR
465	92	NR	595	960	NR	725	65	NR	855	1	NR	985	0	NR
470	76	NR	600	990	NR	730	56	NR	860	1	NR	990	0	NR
475	57	NR	605	998	NR	735	48	NR	865	1	NR	995	0	NR
480	48	NR	610	991	NR	740	40	NR	870	1	NR	1000	0	NR
485	50	NR	615	963	NR	745	35	NR	875	1	NR			

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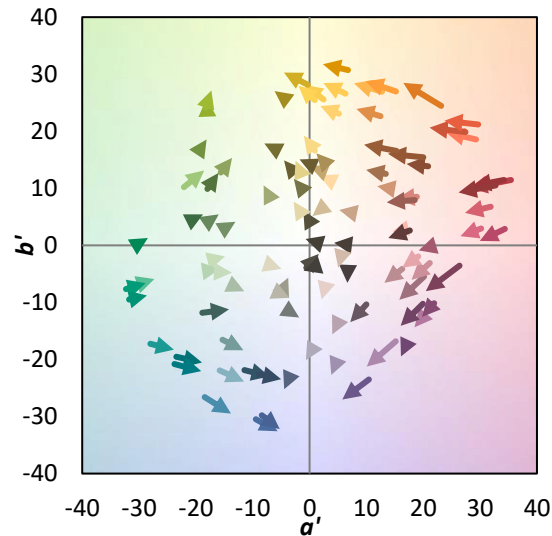
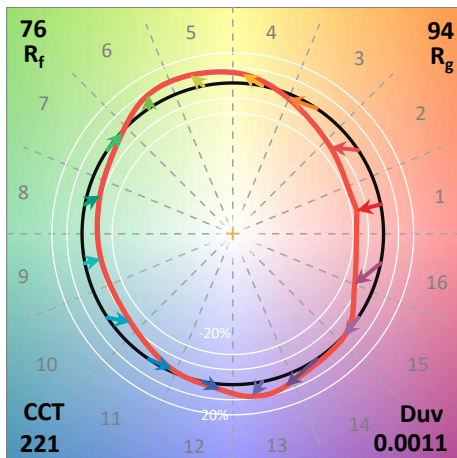
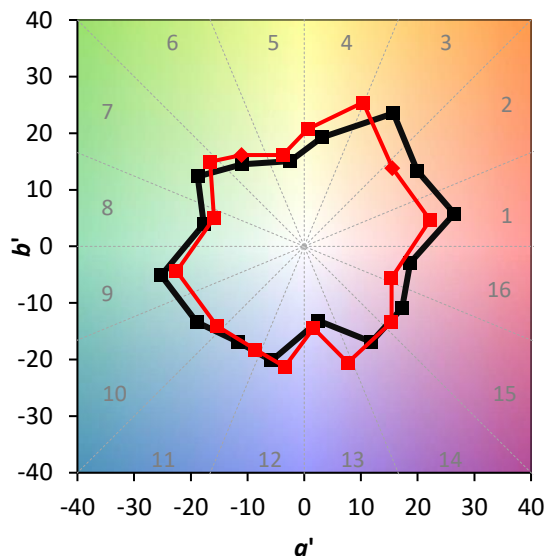
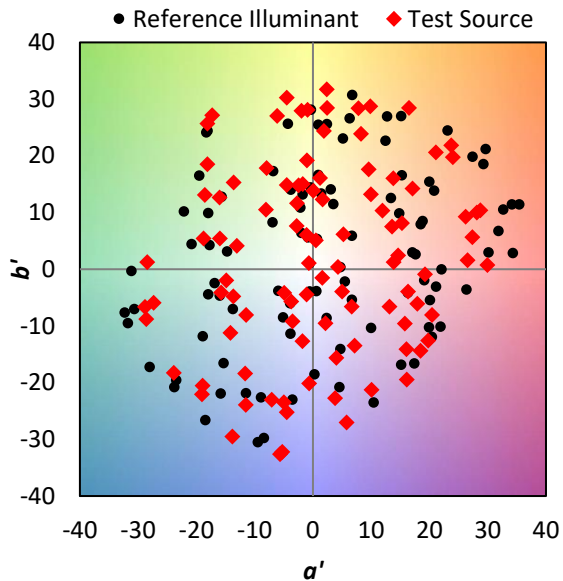
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Summary

$R_f = 76.1$
 $R_g = 94.3$
 CIE $R_a = 71.4$
 $R_9 = -29.2$



Color Vector Graphics

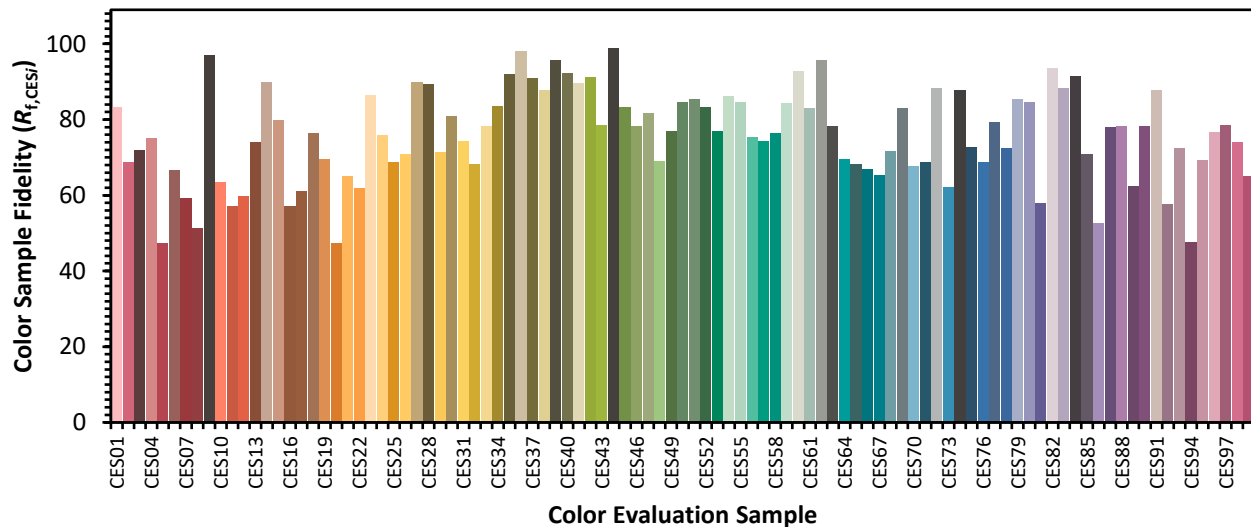


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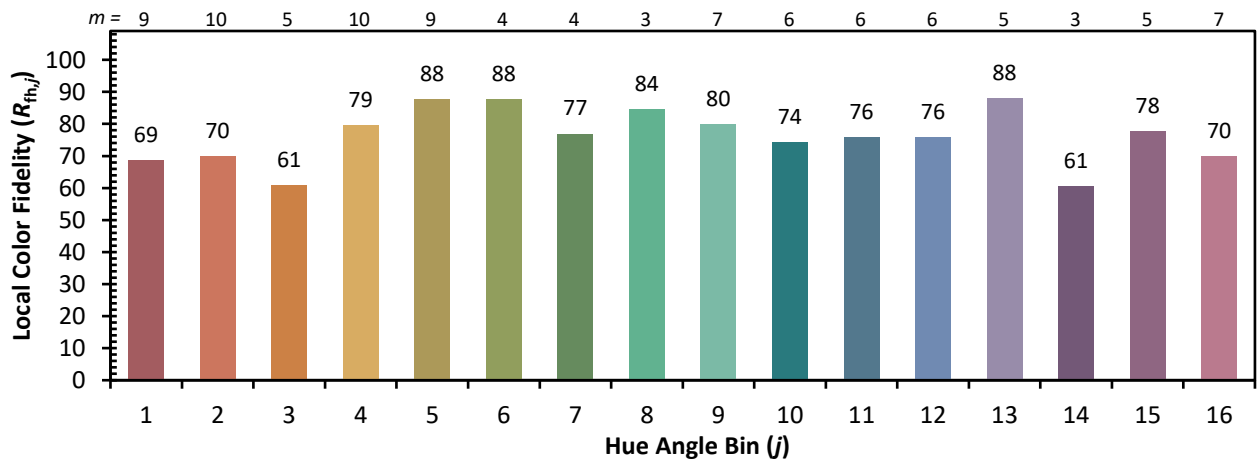
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Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 87	CES26 = 71	CES51 = 85	CES76 = 69
CES02 = 65	CES27 = 90	CES52 = 83	CES77 = 79
CES03 = 32	CES28 = 89	CES53 = 77	CES78 = 72
CES04 = 72	CES29 = 71	CES54 = 86	CES79 = 86
CES05 = 52	CES30 = 81	CES55 = 85	CES80 = 85
CES06 = 52	CES31 = 74	CES56 = 75	CES81 = 58
CES07 = 44	CES32 = 68	CES57 = 74	CES82 = 93
CES08 = 42	CES33 = 78	CES58 = 76	CES83 = 88
CES09 = 29	CES34 = 84	CES59 = 84	CES84 = 92
CES10 = 79	CES35 = 92	CES60 = 93	CES85 = 71
CES11 = 62	CES36 = 98	CES61 = 83	CES86 = 53
CES12 = 68	CES37 = 91	CES62 = 96	CES87 = 78
CES13 = 45	CES38 = 88	CES63 = 78	CES88 = 78
CES14 = 75	CES39 = 96	CES64 = 69	CES89 = 63
CES15 = 72	CES40 = 92	CES65 = 68	CES90 = 78
CES16 = 49	CES41 = 90	CES66 = 67	CES91 = 88
CES17 = 51	CES42 = 91	CES67 = 65	CES92 = 58
CES18 = 57	CES43 = 79	CES68 = 72	CES93 = 72
CES19 = 74	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 68	CES45 = 83	CES70 = 68	CES95 = 69
CES21 = 88	CES46 = 78	CES71 = 69	CES96 = 77
CES22 = 81	CES47 = 82	CES72 = 88	CES97 = 79
CES23 = 92	CES48 = 69	CES73 = 62	CES98 = 74
CES24 = 92	CES49 = 77	CES74 = 88	CES99 = 65
CES25 = 74	CES50 = 85	CES75 = 73	



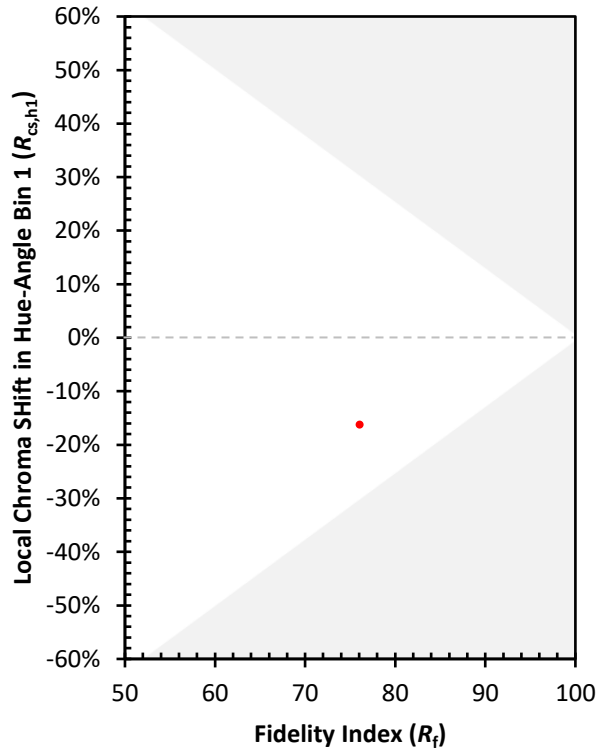
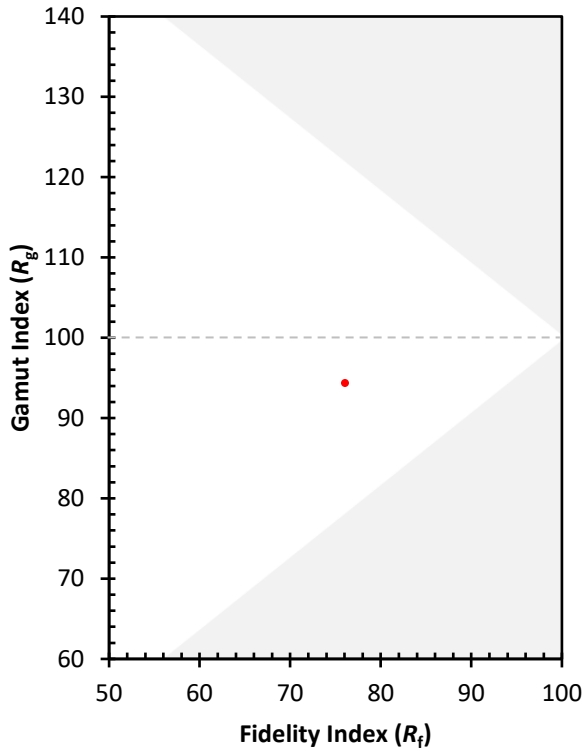
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)