

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: P856298

Luminaire Tested: **FFX-CLB-20-727-U-FG**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856298
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-20-727-U-FG
Description: FAIRFAX POST TOP FIXTURE w/ FROSTED GLOBE
Light Source: (6) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

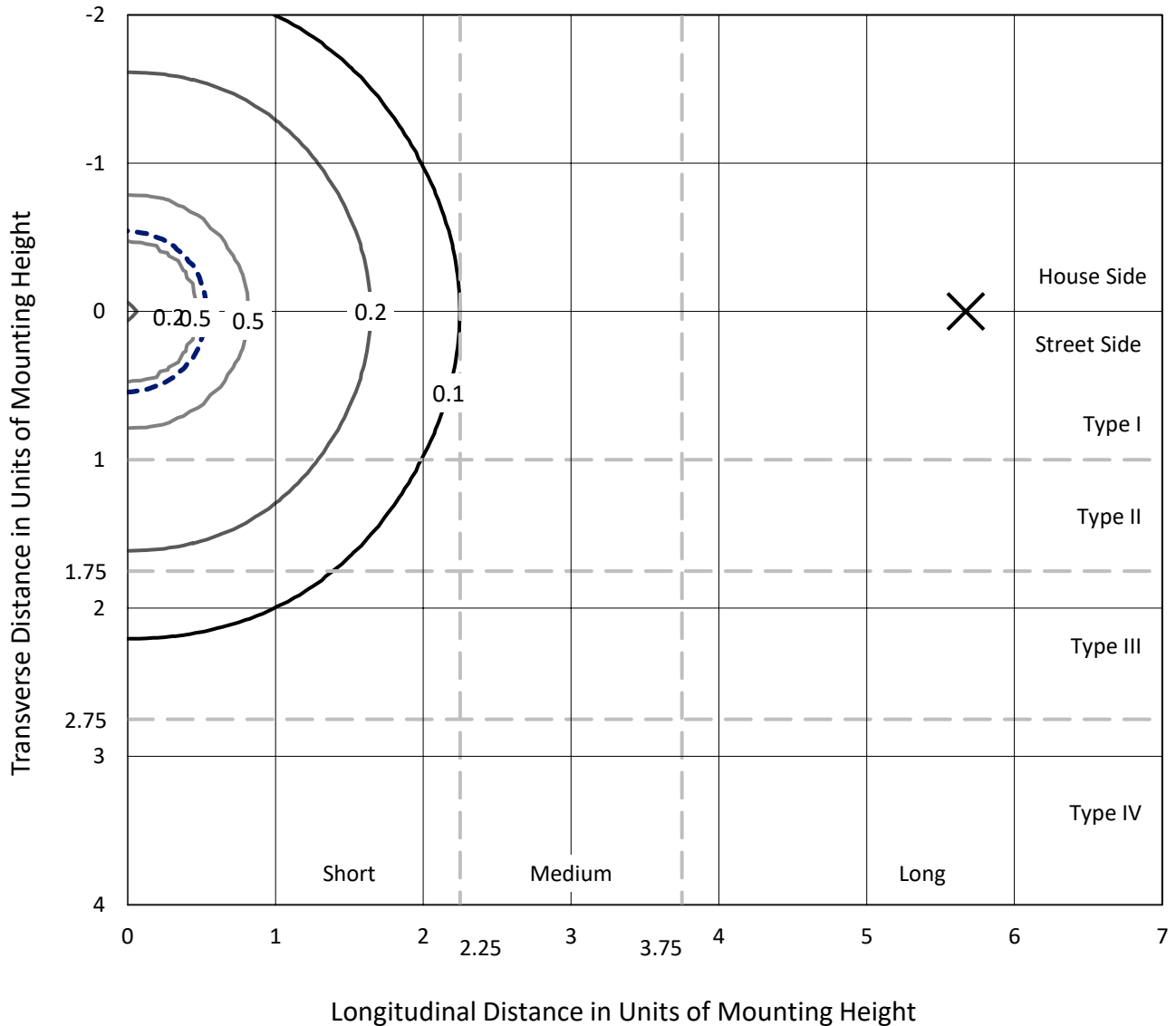
Lumens per Lamp: N/A
Luminaire Lumens: 3104 lumens
Efficiency: N/A
Efficacy: 159.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 1.5')
IES Classification: Type V - Short
BUG Rating: B1 - U4 - G2

Input Watts (W): 19.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 9.8%%
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

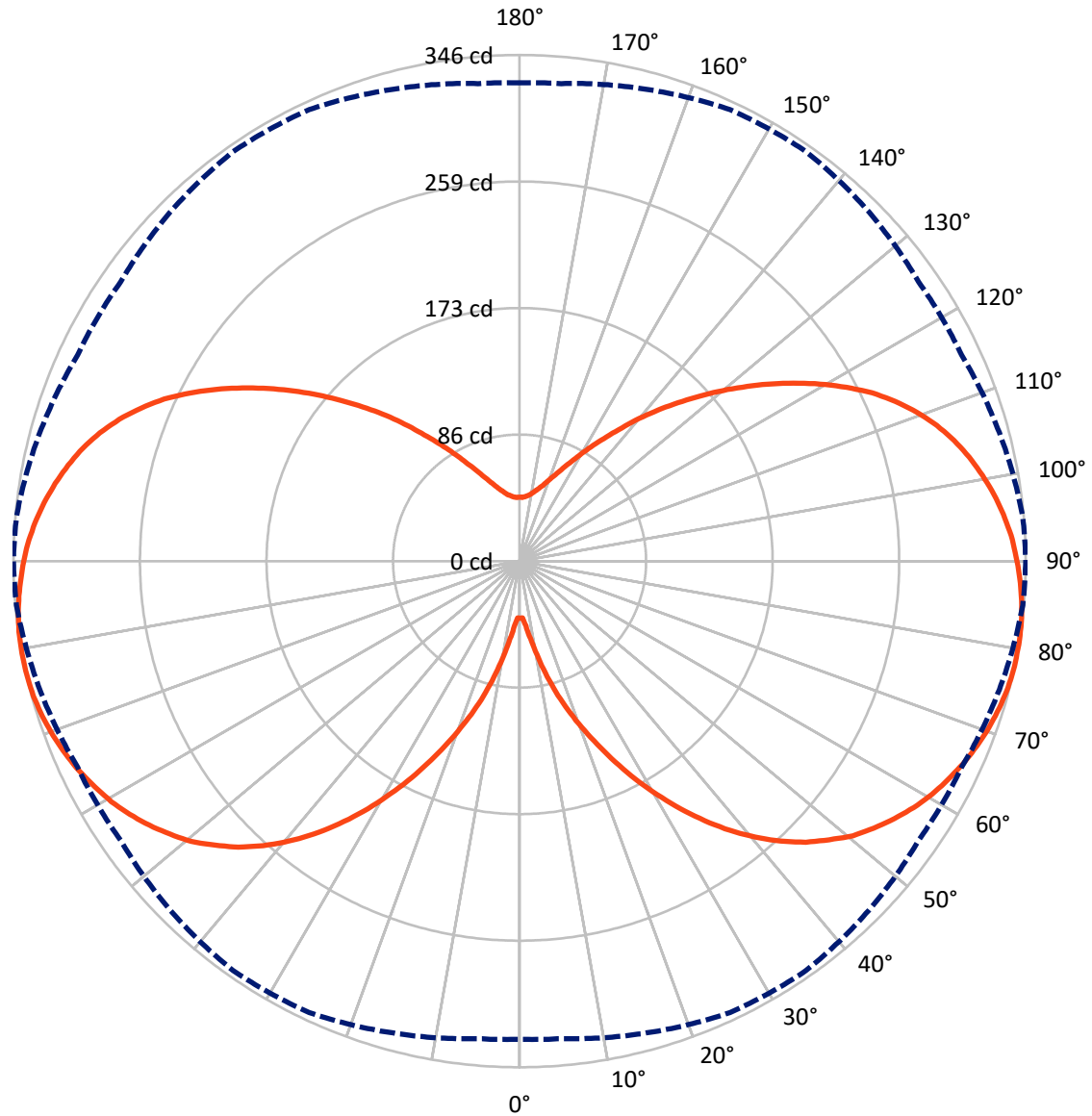
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 0.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 80-Deg Vertical

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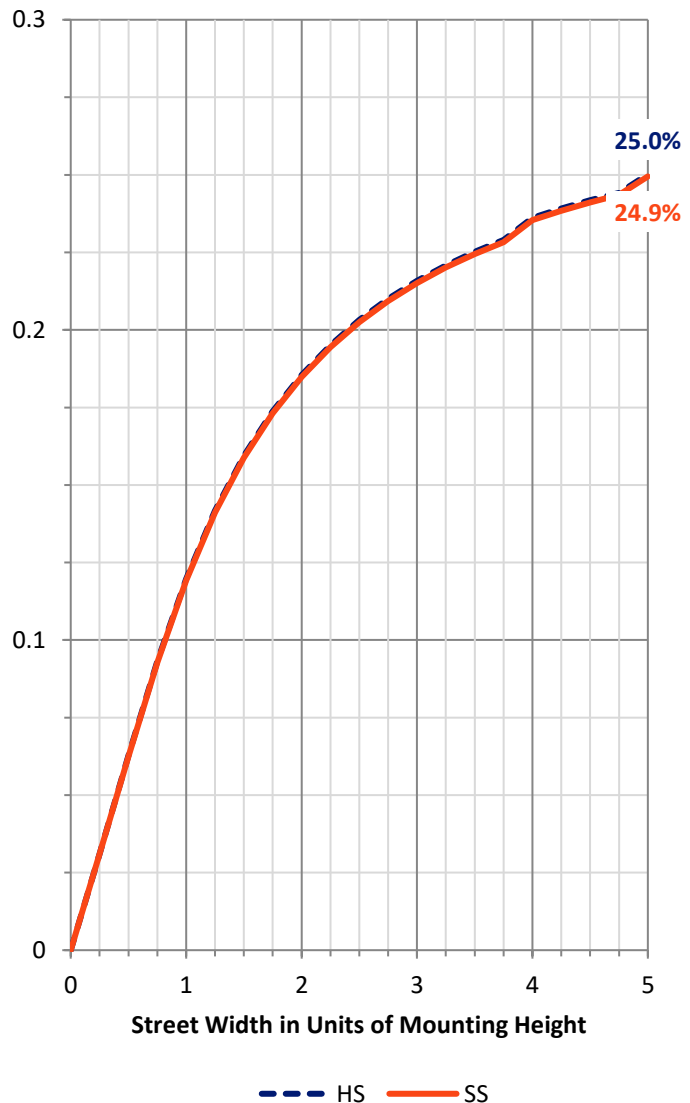
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	883.1	668.9	1552.0
	% Fixture	28.5	21.5	50.0
Street Side	Lumens	883.1	668.9	1552.0
	% Fixture	28.5	21.5	50.0
Total	Lumens	1766.2	1337.7	3104.0
	% Fixture	56.9	43.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.9	0.2
10°-20°	27.1	0.9
20°-30°	71.2	2.3
30°-40°	136.1	4.4
40°-50°	209.3	6.7
50°-60°	274.2	8.8
60°-70°	323.6	10.4
70°-80°	355.0	11.4
80°-90°	364.8	11.8
90°-100°	351.4	11.3
100°-110°	315.1	10.2
110°-120°	256.0	8.2
120°-130°	183.0	5.9
130°-140°	115.7	3.7
140°-150°	64.8	2.1
150°-160°	32.6	1.1
160°-170°	14.8	0.5
170°-180°	4.3	0.1
0°-90°	1766.2	56.9
0°-180°	3104.0	100.0



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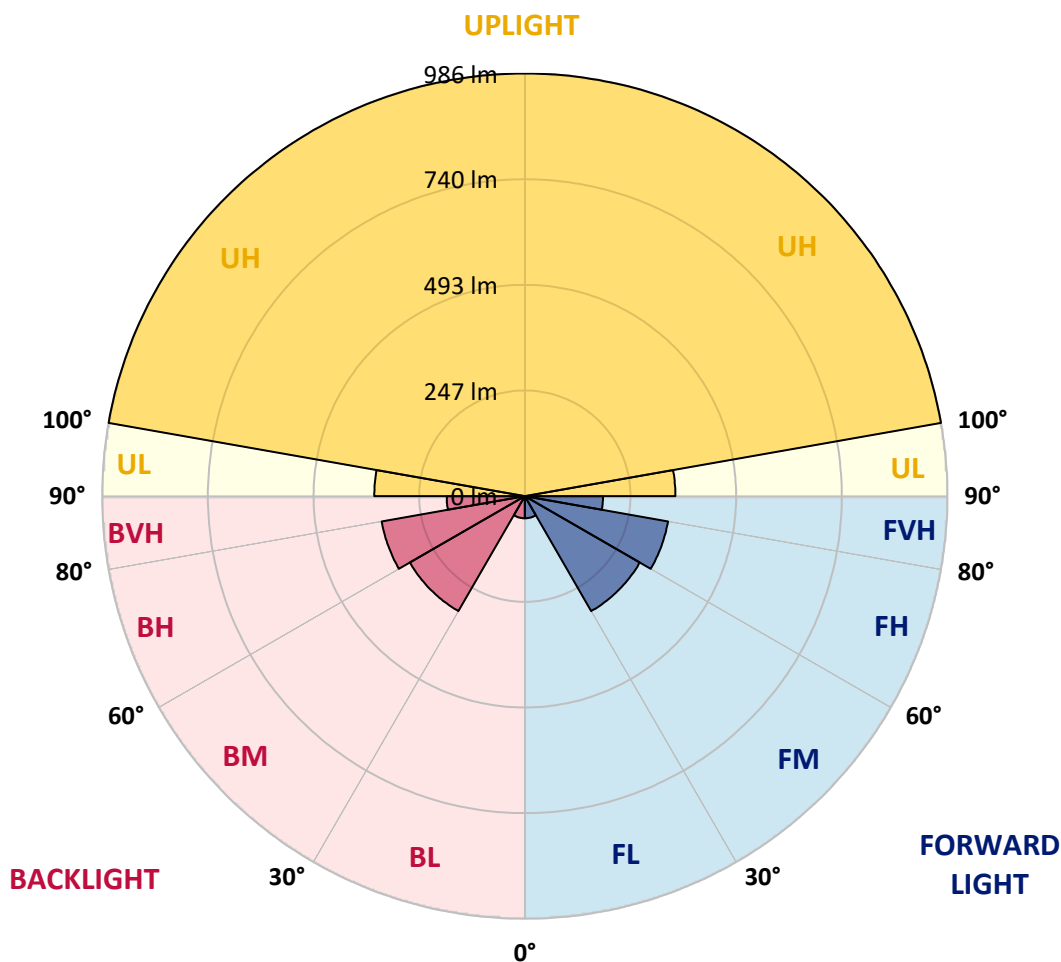
CATALOG NUMBER: FFX-CLB-20-727-U-FG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	51.6	1.7			
FM (30°-60°)	309.8	10.0			
FH (60°-80°)	339.3	10.9			G0/660
FVH (80°-90°)	182.4	5.9			G2/225
BL (0°-30°)	51.6	1.7	B0/110		
BM (30°-60°)	309.8	10.0	B1/1000		
BH (60°-80°)	339.3	10.9	B1/500		G0/660
BVH (80°-90°)	182.4	5.9			G2/225
UL (90°-100°)	351.4	11.3		U3/500	
UH (100°-180°)	986.3	31.8		U4/1000	

BUG Rating: B1-U4-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
2.5°	40.9	40.9	40.7	40.3	40.1	39.9	39.5	39.0	38.8	38.8	38.8
5°	44.5	44.7	44.7	44.5	44.7	44.3	44.3	43.9	44.1	44.1	44.3
7.5°	53.5	53.5	53.7	53.7	53.9	53.5	53.7	53.5	53.7	53.7	53.5
10°	65.1	65.1	65.5	65.1	65.3	64.9	64.8	64.8	65.3	65.1	64.9
12.5°	78.3	78.7	78.5	78.3	78.7	78.3	77.9	78.1	78.9	78.5	78.3
15°	92.3	92.6	93.0	92.5	92.6	92.5	92.3	92.5	93.2	92.8	92.6
17.5°	106.4	106.6	107.0	106.2	106.4	106.6	106.4	106.6	107.2	107.0	106.8
20°	120.5	120.9	121.3	120.5	120.7	120.9	120.7	120.9	121.7	121.3	121.1
22.5°	135.4	135.6	136.4	135.4	135.8	136.0	135.6	136.0	136.8	136.4	136.2
25°	150.9	150.7	151.9	151.1	151.3	151.7	151.3	151.7	152.6	152.6	152.0
27.5°	166.8	166.8	167.7	167.1	167.5	167.3	167.7	168.1	169.0	169.2	168.7
30°	182.6	182.6	184.1	183.2	183.8	183.9	183.9	184.3	185.5	185.9	185.1
32.5°	198.5	198.5	199.2	199.4	199.8	200.0	200.4	200.4	201.9	202.1	201.7
35°	213.9	213.9	214.7	215.1	216.0	215.7	216.2	216.2	217.9	218.1	217.9
37.5°	228.6	228.8	229.8	230.2	230.9	230.9	231.3	231.7	233.2	233.8	233.6
40°	242.6	243.0	243.7	244.5	245.3	245.3	245.5	246.0	247.7	248.3	248.1
42.5°	255.2	255.4	256.5	257.7	258.4	258.4	258.6	259.0	260.9	261.7	261.7
45°	266.3	266.8	268.4	269.9	270.7	270.5	270.5	271.1	273.2	274.1	274.1
47.5°	276.6	277.4	279.1	280.6	281.4	281.4	281.2	281.7	284.0	285.2	284.6
50°	285.8	286.3	288.2	290.5	291.1	291.1	290.5	291.1	293.6	295.1	295.1
52.5°	293.4	294.0	296.3	298.7	299.5	299.3	298.6	299.1	301.6	303.3	303.1
55°	299.9	300.7	303.1	306.2	307.0	306.4	305.4	306.0	308.7	311.0	310.8
57.5°	305.8	306.4	309.3	312.5	313.6	312.7	311.4	311.9	315.0	317.5	317.7
60°	310.8	311.4	314.6	318.4	319.4	318.2	316.5	317.1	320.5	323.4	323.8
62.5°	315.0	315.6	319.2	323.4	324.7	323.0	320.9	321.5	325.3	328.5	328.7
65°	318.4	319.0	323.2	327.6	328.9	327.0	324.5	325.1	329.3	332.9	333.3
67.5°	321.1	321.9	326.6	331.4	332.6	330.3	327.4	328.0	332.6	336.8	337.1
70°	323.4	324.3	329.3	334.5	335.8	333.1	329.7	330.5	335.6	339.8	340.4
72.5°	325.1	326.1	331.4	337.0	338.5	335.2	331.4	332.2	337.7	342.3	342.9
75°	326.3	327.2	332.9	338.9	340.2	336.8	332.6	333.3	339.1	344.0	344.8
77.5°	326.8	327.8	333.9	340.0	341.3	337.3	332.9	333.7	339.6	345.0	345.7
80°	326.8	327.6	333.9	340.4	341.5	337.5	332.8	333.3	339.4	345.2	345.9
82.5°	326.3	327.0	333.5	340.0	341.2	336.8	331.8	332.6	338.9	344.6	345.5
85°	324.9	325.7	332.2	338.9	340.0	335.2	330.1	330.8	337.1	343.3	344.2
87.5°	323.0	324.0	330.3	337.0	337.9	332.9	328.0	328.4	335.0	341.3	342.1
90°	320.7	321.7	327.6	334.3	335.2	330.3	325.1	325.7	332.2	338.7	339.4
92.5°	318.0	318.8	324.5	330.6	331.8	326.6	321.7	322.4	328.9	335.4	336.4
95°	314.6	315.2	320.5	326.3	327.2	322.6	317.7	318.4	324.9	331.2	332.2
97.5°	310.4	310.8	315.6	320.7	321.9	317.5	312.9	313.6	320.0	326.3	327.4
100°	305.6	305.8	310.0	314.4	315.4	311.7	307.5	308.5	314.4	320.9	321.7
102.5°	300.1	300.1	303.5	307.2	308.3	305.2	301.6	302.6	308.3	314.4	315.4
105°	294.0	293.4	295.9	298.7	300.1	297.8	295.1	295.9	301.2	307.2	308.3
107.5°	286.3	285.8	287.5	290.0	291.3	289.6	287.5	288.6	293.2	298.7	299.9
110°	277.7	277.0	277.7	279.6	281.2	280.0	278.9	279.8	284.2	289.4	290.2



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 CATALOG NUMBER: FFX-CLB-20-727-U-FG

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	267.8	266.8	267.0	268.4	269.7	269.5	268.8	270.3	273.9	278.1	279.1
115°	256.3	255.4	254.8	255.6	256.7	257.5	258.3	259.2	262.1	265.5	267.0
117.5°	244.3	242.8	241.8	241.8	243.2	244.5	245.8	247.2	249.1	252.3	252.9
120°	230.4	229.4	228.1	228.1	229.2	230.6	232.7	234.2	235.3	237.6	238.4
122.5°	216.6	215.3	213.9	213.9	214.7	216.6	219.5	220.8	221.4	222.7	223.3
125°	202.7	201.1	199.6	199.6	200.4	202.3	205.5	206.7	207.1	207.6	208.2
127.5°	188.5	187.0	185.7	185.1	186.2	187.8	191.0	192.5	192.7	192.7	193.1
130°	174.4	173.3	171.9	171.3	172.5	173.8	177.5	179.0	178.2	178.2	178.4
132.5°	161.0	159.9	158.5	158.2	158.9	160.6	163.9	165.2	164.7	163.9	164.1
135°	148.0	147.1	145.4	145.2	146.3	147.1	150.1	151.5	150.9	150.1	150.3
137.5°	135.6	134.7	133.1	132.9	134.1	135.0	137.3	138.7	137.9	137.1	137.3
140°	123.8	122.6	121.5	121.3	122.1	123.0	125.1	125.9	125.1	124.5	124.7
142.5°	112.7	111.9	110.6	110.6	111.0	111.7	113.5	114.2	113.5	112.7	112.3
145°	102.2	101.2	100.5	100.3	100.7	101.4	102.6	103.3	102.6	102.0	101.6
147.5°	92.8	92.1	91.3	91.3	91.5	92.1	93.0	93.2	92.6	92.3	91.9
150°	84.2	83.5	83.1	82.9	83.1	83.3	84.0	84.4	83.9	83.5	83.1
152.5°	76.4	75.8	75.5	75.6	75.6	75.8	76.0	76.2	75.6	75.6	75.3
155°	69.5	69.1	68.8	69.0	69.0	69.0	69.1	69.1	68.8	68.8	68.6
157.5°	63.8	63.4	63.2	63.4	63.4	63.2	63.4	63.4	63.0	63.0	62.8
160°	58.8	58.5	58.5	58.5	58.5	58.3	58.6	58.5	58.3	58.1	58.1
162.5°	54.8	54.4	54.4	54.6	54.4	54.4	54.4	54.4	54.2	54.2	54.1
165°	51.6	51.2	51.2	51.4	51.2	51.2	51.2	51.2	51.0	51.0	51.0
167.5°	48.9	48.7	48.7	48.7	48.7	48.5	48.7	48.7	48.5	48.5	48.5
170°	46.8	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.4	46.4
172.5°	45.5	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.1	45.1	45.1
175°	44.5	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.1	44.1
177.5°	43.9	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.6	43.6
180°	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2406-133-3

Test Date: 07/12/2024

Luminaire Tested: FFX-CLB-100-727-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-727-U-FR-T5.

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2406-133-3
 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-100-727-U-FR-T5**
 Description: FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K): 2707
 CIE u': 0.2624
 CIE v': 0.5261
 Duv: -0.0007
 CIE x: 0.4580
 CIE y: 0.4082
 CIE z: 0.1338
 Peak Wavelength (nm): 599
 Dominant Wavelength (nm): 584
 Purity: 59.99901
 Rf: 75.5
 Rg: 92.5

CRI (Ra):	71.3		
R1:	67.8	R9:	-34.9
R2:	84.5	R10:	65.1
R3:	94.2	R11:	59.2
R4:	64.8	R12:	54.2
R5:	66.9	R13:	71.2
R6:	79.2	R14:	97.5
R7:	74.4	R15:	59.4
R8:	38.8		



Test Conditions

Stabilization Time: 0.813602M
 Operation Time: 1H
 Sphere Temperature (°C): 24.7

REPORT NUMBER: SP1-2406-133-3

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 = 2707K
CIE x = 0.4580
CIE y = 0.4082
Duv = -0.0007

Point lies inside the ANSI 2700K 4-step quadrangle

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Photopic Flux vs. Wavelength

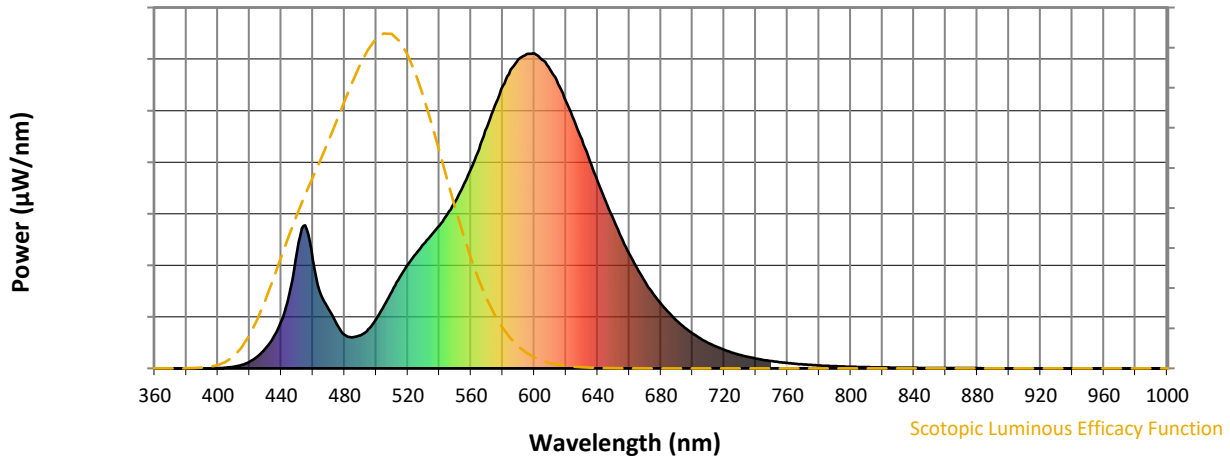


Photopic Lumens: NR

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	105	NR	620	849	NR	750	23	NR	880	1	NR
365	0	NR	495	124	NR	625	789	NR	755	20	NR	885	0	NR
370	0	NR	500	156	NR	630	727	NR	760	17	NR	890	0	NR
375	0	NR	505	200	NR	635	659	NR	765	15	NR	895	0	NR
380	0	NR	510	245	NR	640	595	NR	770	13	NR	900	0	NR
385	0	NR	515	290	NR	645	531	NR	775	11	NR	905	0	NR
390	0	NR	520	330	NR	650	472	NR	780	9	NR	910	0	NR
395	0	NR	525	363	NR	655	417	NR	785	8	NR	915	0	NR
400	0	NR	530	395	NR	660	364	NR	790	7	NR	920	0	NR
405	2	NR	535	424	NR	665	317	NR	795	6	NR	925	0	NR
410	5	NR	540	454	NR	670	274	NR	800	5	NR	930	0	NR
415	11	NR	545	490	NR	675	237	NR	805	4	NR	935	0	NR
420	21	NR	550	530	NR	680	206	NR	810	4	NR	940	0	NR
425	38	NR	555	579	NR	685	176	NR	815	3	NR	945	0	NR
430	63	NR	560	635	NR	690	152	NR	820	3	NR	950	0	NR
435	99	NR	565	697	NR	695	129	NR	825	3	NR	955	0	NR
440	150	NR	570	765	NR	700	111	NR	830	2	NR	960	0	NR
445	233	NR	575	834	NR	705	95	NR	835	2	NR	965	0	NR
450	372	NR	580	897	NR	710	81	NR	840	2	NR	970	0	NR
455	454	NR	585	948	NR	715	69	NR	845	1	NR	975	0	NR
460	345	NR	590	982	NR	720	59	NR	850	1	NR	980	0	NR
465	235	NR	595	998	NR	725	50	NR	855	1	NR	985	0	NR
470	187	NR	600	1000	NR	730	43	NR	860	1	NR	990	0	NR
475	141	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	107	NR	610	949	NR	740	31	NR	870	1	NR	1000	0	NR
485	99	NR	615	902	NR	745	27	NR	875	1	NR			

REPORT NUMBER: SP1-2406-133-3

Scotopic Flux vs. Wavelength



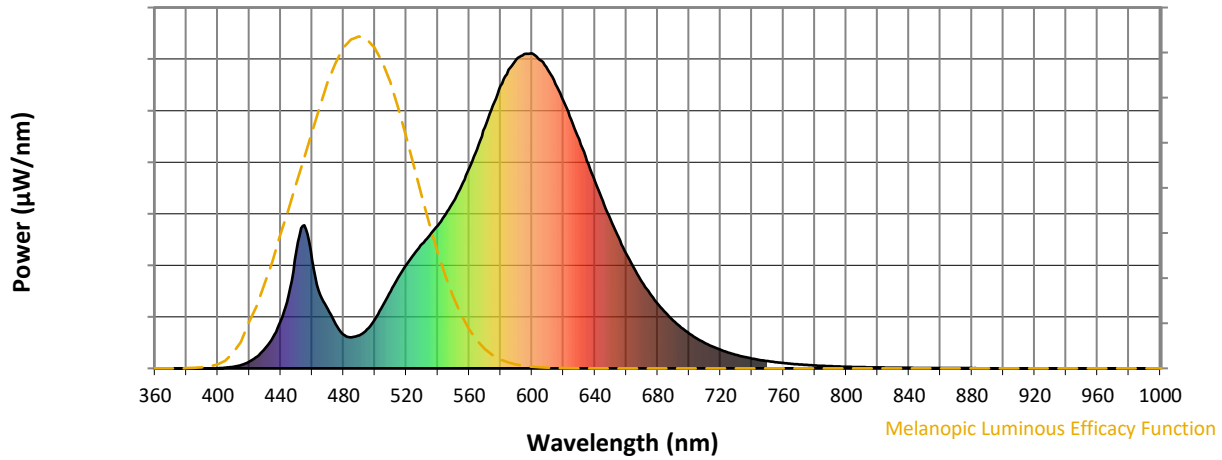
Scotopic Lumens: NR

S/P: 1.12

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	105	NR	620	849	NR	750	23	NR	880	1	NR
365	0	NR	495	124	NR	625	789	NR	755	20	NR	885	0	NR
370	0	NR	500	156	NR	630	727	NR	760	17	NR	890	0	NR
375	0	NR	505	200	NR	635	659	NR	765	15	NR	895	0	NR
380	0	NR	510	245	NR	640	595	NR	770	13	NR	900	0	NR
385	0	NR	515	290	NR	645	531	NR	775	11	NR	905	0	NR
390	0	NR	520	330	NR	650	472	NR	780	9	NR	910	0	NR
395	0	NR	525	363	NR	655	417	NR	785	8	NR	915	0	NR
400	0	NR	530	395	NR	660	364	NR	790	7	NR	920	0	NR
405	2	NR	535	424	NR	665	317	NR	795	6	NR	925	0	NR
410	5	NR	540	454	NR	670	274	NR	800	5	NR	930	0	NR
415	11	NR	545	490	NR	675	237	NR	805	4	NR	935	0	NR
420	21	NR	550	530	NR	680	206	NR	810	4	NR	940	0	NR
425	38	NR	555	579	NR	685	176	NR	815	3	NR	945	0	NR
430	63	NR	560	635	NR	690	152	NR	820	3	NR	950	0	NR
435	99	NR	565	697	NR	695	129	NR	825	3	NR	955	0	NR
440	150	NR	570	765	NR	700	111	NR	830	2	NR	960	0	NR
445	233	NR	575	834	NR	705	95	NR	835	2	NR	965	0	NR
450	372	NR	580	897	NR	710	81	NR	840	2	NR	970	0	NR
455	454	NR	585	948	NR	715	69	NR	845	1	NR	975	0	NR
460	345	NR	590	982	NR	720	59	NR	850	1	NR	980	0	NR
465	235	NR	595	998	NR	725	50	NR	855	1	NR	985	0	NR
470	187	NR	600	1000	NR	730	43	NR	860	1	NR	990	0	NR
475	141	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	107	NR	610	949	NR	740	31	NR	870	1	NR	1000	0	NR
485	99	NR	615	902	NR	745	27	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.03

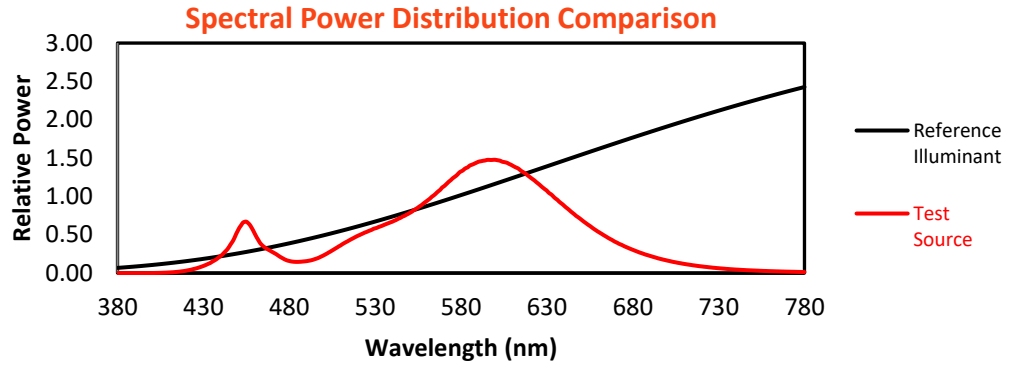
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	105	NR	620	849	NR	750	23	NR	880	1	NR
365	0	NR	495	124	NR	625	789	NR	755	20	NR	885	0	NR
370	0	NR	500	156	NR	630	727	NR	760	17	NR	890	0	NR
375	0	NR	505	200	NR	635	659	NR	765	15	NR	895	0	NR
380	0	NR	510	245	NR	640	595	NR	770	13	NR	900	0	NR
385	0	NR	515	290	NR	645	531	NR	775	11	NR	905	0	NR
390	0	NR	520	330	NR	650	472	NR	780	9	NR	910	0	NR
395	0	NR	525	363	NR	655	417	NR	785	8	NR	915	0	NR
400	0	NR	530	395	NR	660	364	NR	790	7	NR	920	0	NR
405	2	NR	535	424	NR	665	317	NR	795	6	NR	925	0	NR
410	5	NR	540	454	NR	670	274	NR	800	5	NR	930	0	NR
415	11	NR	545	490	NR	675	237	NR	805	4	NR	935	0	NR
420	21	NR	550	530	NR	680	206	NR	810	4	NR	940	0	NR
425	38	NR	555	579	NR	685	176	NR	815	3	NR	945	0	NR
430	63	NR	560	635	NR	690	152	NR	820	3	NR	950	0	NR
435	99	NR	565	697	NR	695	129	NR	825	3	NR	955	0	NR
440	150	NR	570	765	NR	700	111	NR	830	2	NR	960	0	NR
445	233	NR	575	834	NR	705	95	NR	835	2	NR	965	0	NR
450	372	NR	580	897	NR	710	81	NR	840	2	NR	970	0	NR
455	454	NR	585	948	NR	715	69	NR	845	1	NR	975	0	NR
460	345	NR	590	982	NR	720	59	NR	850	1	NR	980	0	NR
465	235	NR	595	998	NR	725	50	NR	855	1	NR	985	0	NR
470	187	NR	600	1000	NR	730	43	NR	860	1	NR	990	0	NR
475	141	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	107	NR	610	949	NR	740	31	NR	870	1	NR	1000	0	NR
485	99	NR	615	902	NR	745	27	NR	875	1	NR			

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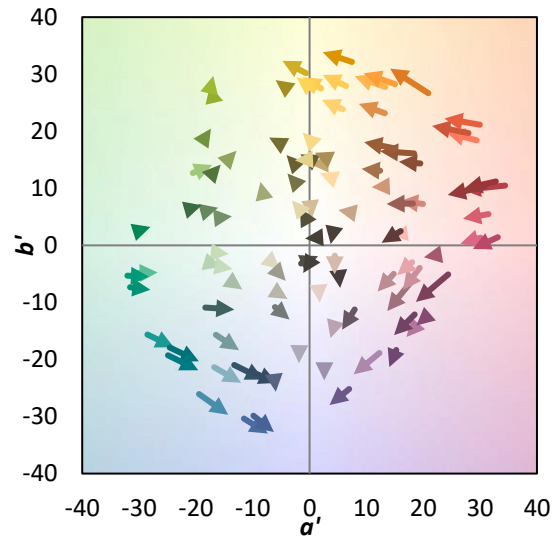
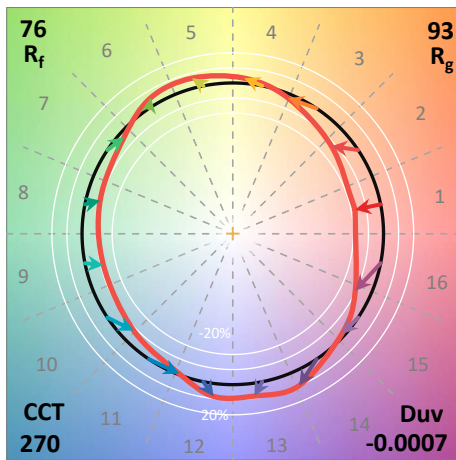
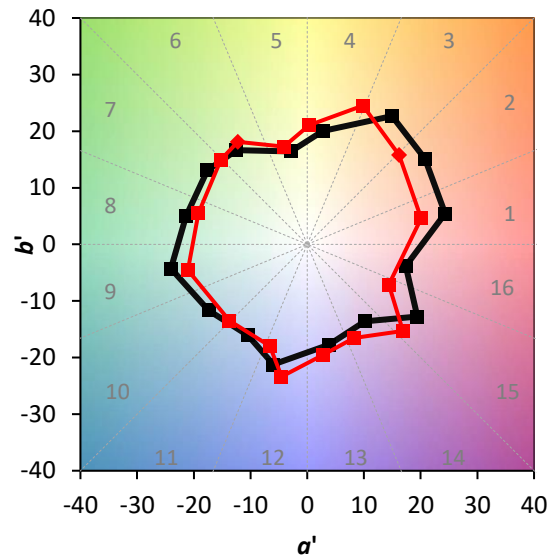
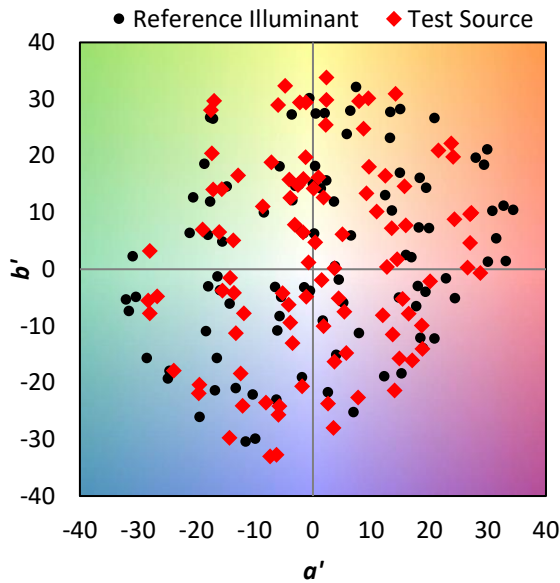
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Summary

$R_f = 75.5$
 $R_g = 92.5$
 CIE $R_a = 71.3$
 $R_9 = -34.9$



Color Vector Graphics



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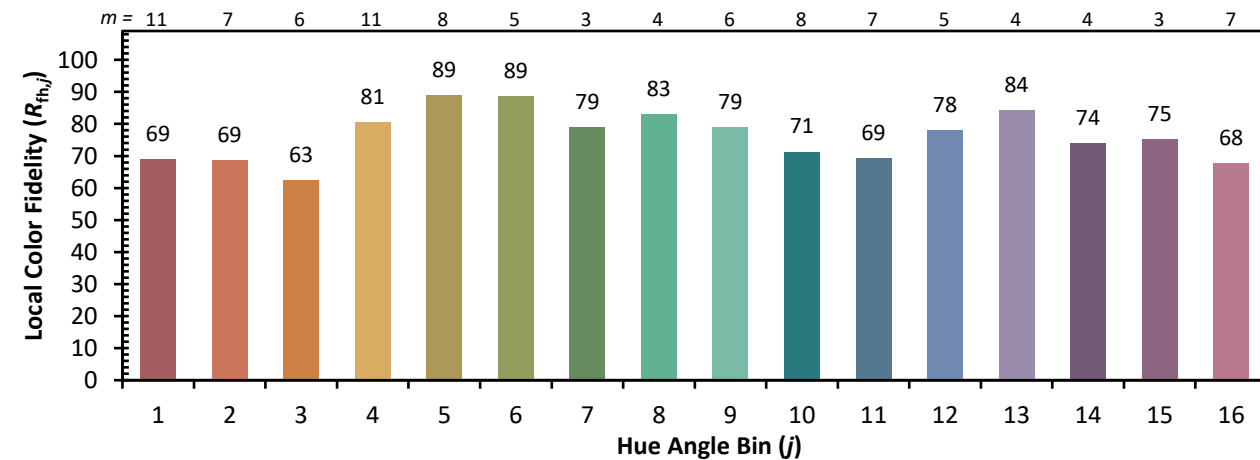
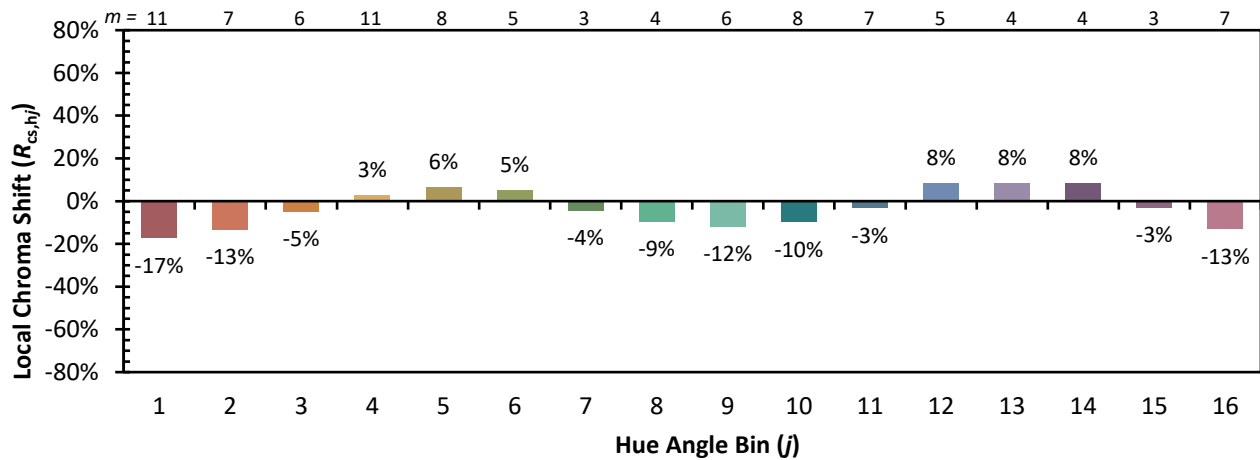
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Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 69	CES51 = 86	CES76 = 64
CES02 = 63	CES27 = 91	CES52 = 83	CES77 = 79
CES03 = 31	CES28 = 87	CES53 = 77	CES78 = 68
CES04 = 71	CES29 = 75	CES54 = 85	CES79 = 87
CES05 = 50	CES30 = 90	CES55 = 83	CES80 = 85
CES06 = 52	CES31 = 77	CES56 = 75	CES81 = 67
CES07 = 42	CES32 = 68	CES57 = 73	CES82 = 93
CES08 = 41	CES33 = 85	CES58 = 74	CES83 = 91
CES09 = 29	CES34 = 80	CES59 = 84	CES84 = 89
CES10 = 77	CES35 = 89	CES60 = 89	CES85 = 71
CES11 = 60	CES36 = 90	CES61 = 80	CES86 = 59
CES12 = 66	CES37 = 88	CES62 = 87	CES87 = 77
CES13 = 43	CES38 = 99	CES63 = 78	CES88 = 80
CES14 = 74	CES39 = 97	CES64 = 64	CES89 = 65
CES15 = 72	CES40 = 94	CES65 = 66	CES90 = 81
CES16 = 48	CES41 = 96	CES66 = 60	CES91 = 78
CES17 = 51	CES42 = 90	CES67 = 58	CES92 = 54
CES18 = 57	CES43 = 80	CES68 = 66	CES93 = 71
CES19 = 73	CES44 = 99	CES69 = 76	CES94 = 48
CES20 = 67	CES45 = 85	CES70 = 63	CES95 = 66
CES21 = 88	CES46 = 82	CES71 = 60	CES96 = 76
CES22 = 80	CES47 = 90	CES72 = 86	CES97 = 80
CES23 = 92	CES48 = 75	CES73 = 57	CES98 = 75
CES24 = 91	CES49 = 80	CES74 = 92	CES99 = 64
CES25 = 73	CES50 = 86	CES75 = 66	



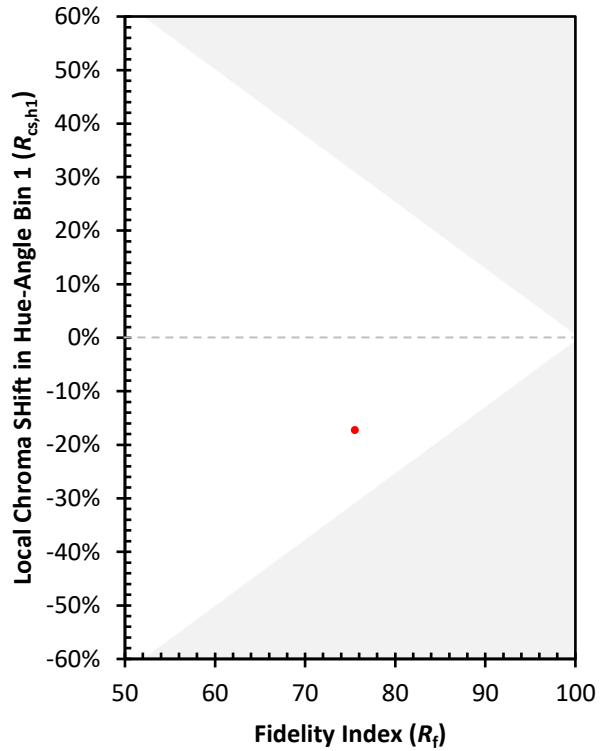
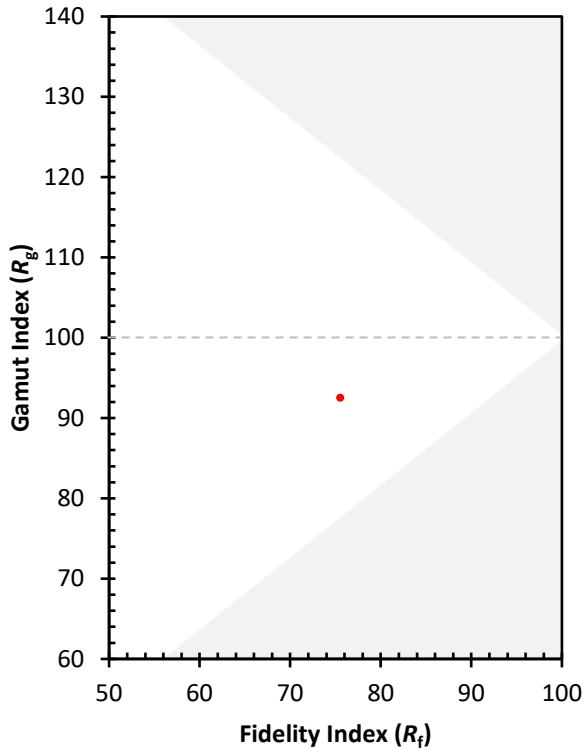
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)