

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: P856071

Luminaire Tested: **FFX-CLB-40-727-U-FR-T5**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856071
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-40-727-U-FR-T5
Description: FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS
Light Source: (6) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

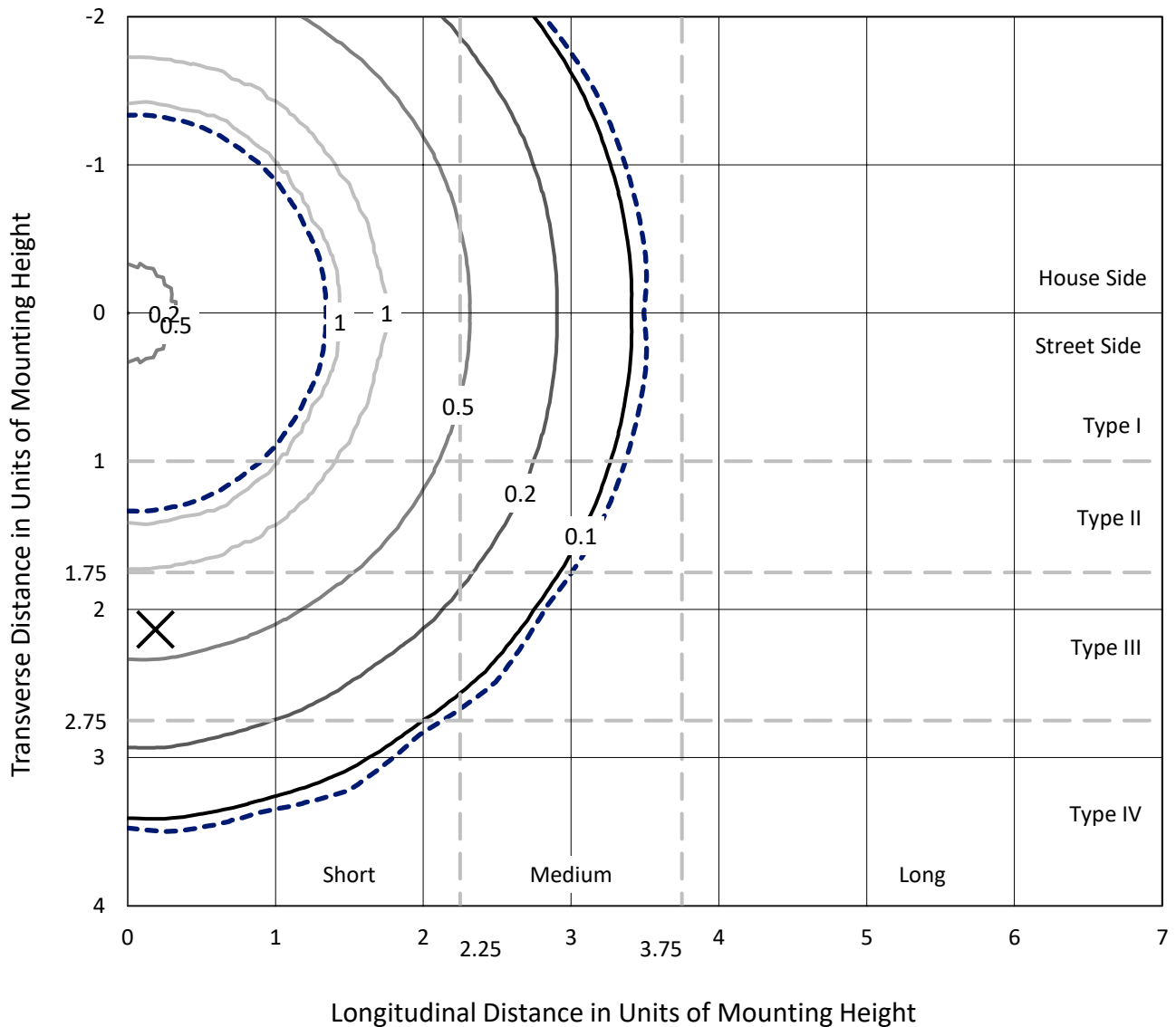
Lumens per Lamp: N/A
Luminaire Lumens: 5966.3 lumens
Efficiency: N/A
Efficacy: 151.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification: Type V - Short
BUG Rating: B3 - U4 - G2

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

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Iso-Footcandle Lines of Horizontal Illumination

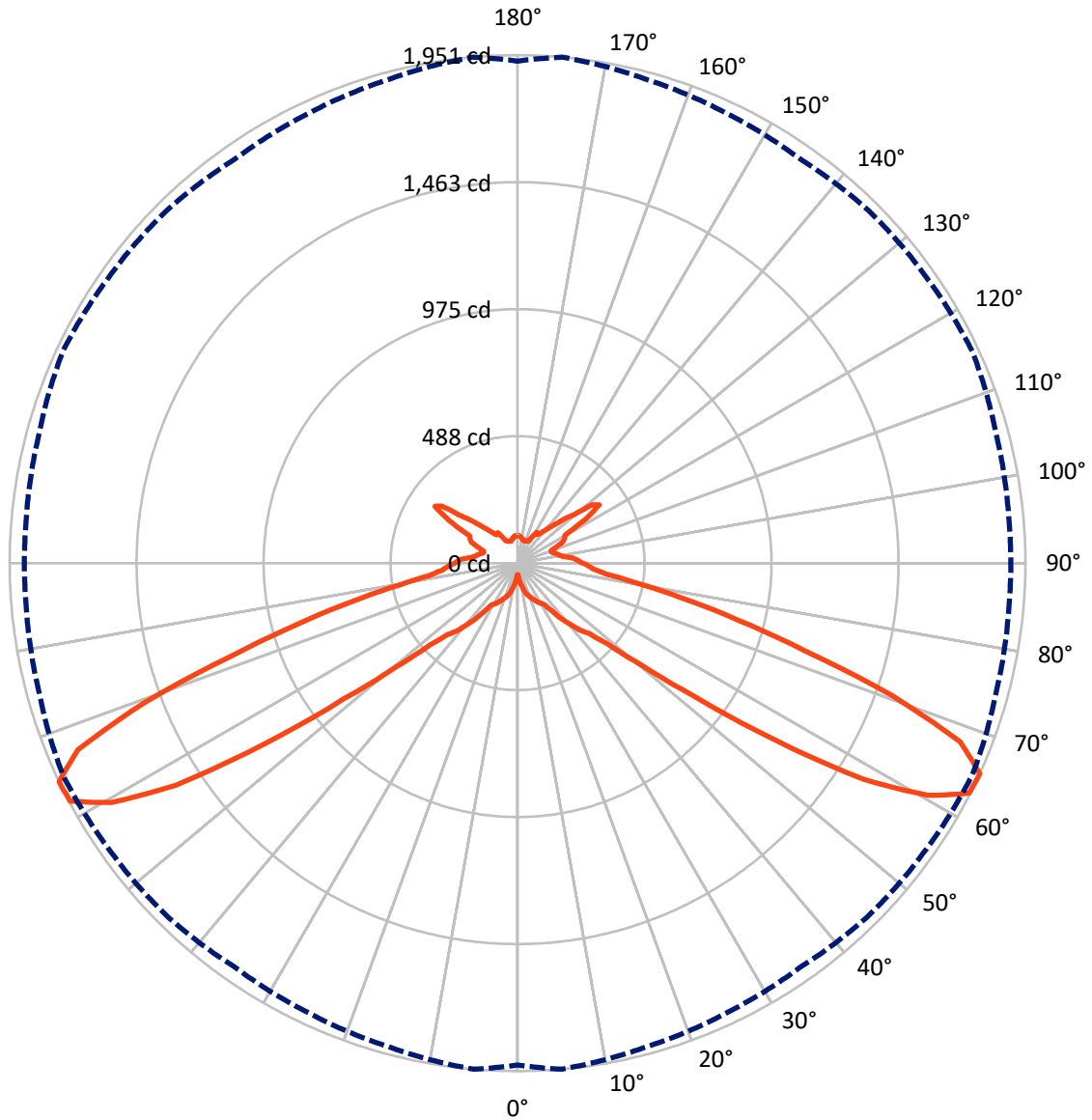
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.1 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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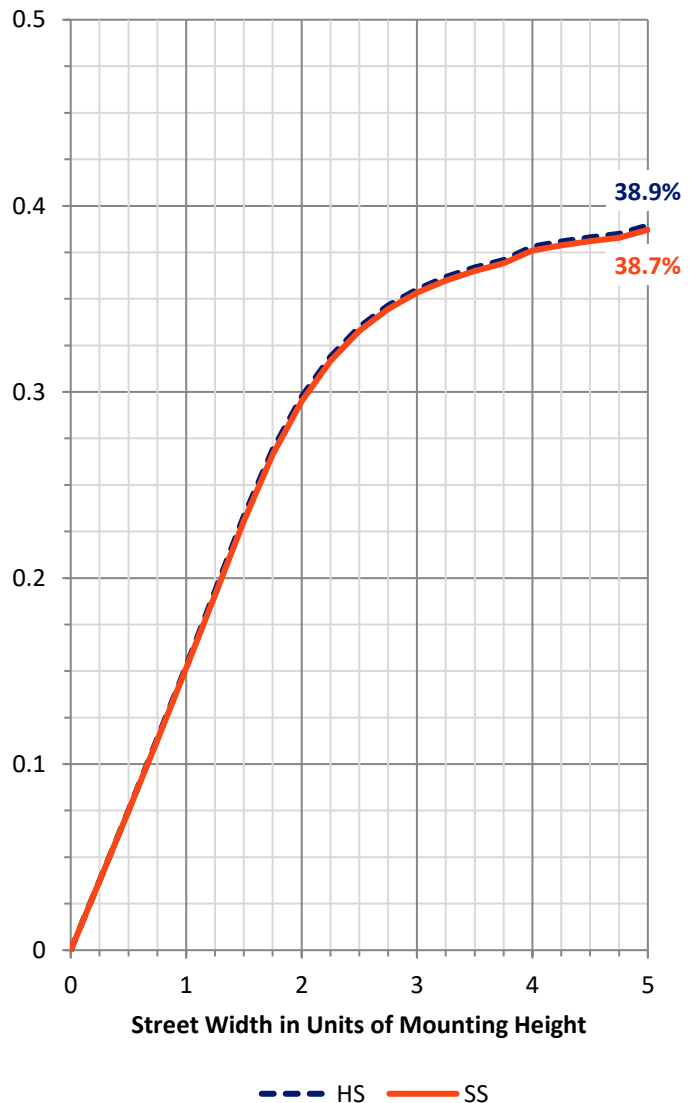
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2404.2	579.0	2983.1
	% Fixture	40.3	9.7	50.0
Street Side	Lumens	2404.2	579.0	2983.1
	% Fixture	40.3	9.7	50.0
Total	Lumens	4808.3	1158.0	5966.3
	% Fixture	80.6	19.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.8	0.1
10°-20°	34.1	0.6
20°-30°	74.0	1.2
30°-40°	146.9	2.5
40°-50°	318.6	5.3
50°-60°	1097.3	18.4
60°-70°	1802.2	30.2
70°-80°	967.3	16.2
80°-90°	361.2	6.1
90°-100°	228.1	3.8
100°-110°	152.8	2.6
110°-120°	167.9	2.8
120°-130°	277.9	4.7
130°-140°	163.7	2.7
140°-150°	86.6	1.5
150°-160°	45.5	0.8
160°-170°	25.8	0.4
170°-180°	9.7	0.2
0°-90°	4808.3	80.6
0°-180°	5966.3	100.0

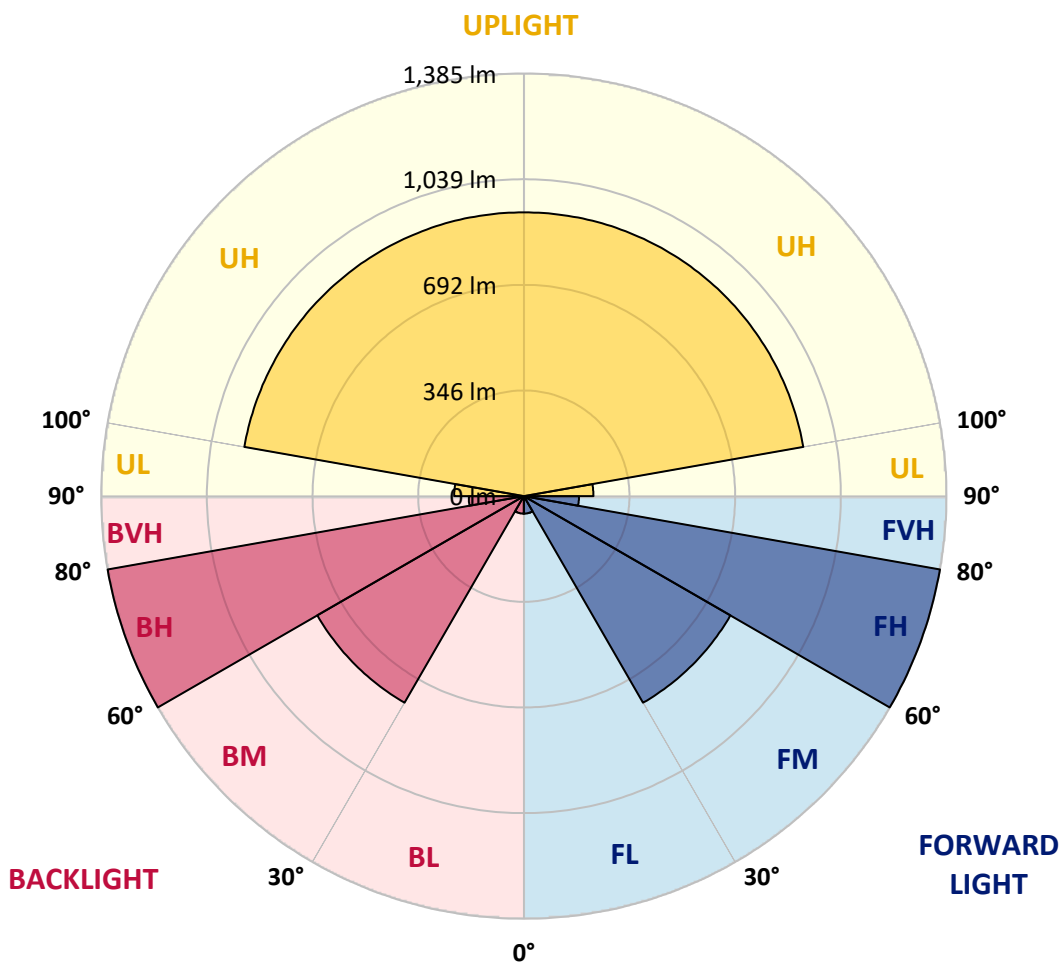


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	57.4	1.0			
FM (30°-60°)	781.4	13.1			
FH (60°-80°)	1384.7	23.2			G1/1800
FVH (80°-90°)	180.6	3.0			G2/225
BL (0°-30°)	57.4	1.0	B0/110		
BM (30°-60°)	781.4	13.1	B1/1000		
BH (60°-80°)	1384.7	23.2	B3/2500		G1/1800
BVH (80°-90°)	180.6	3.0			G2/225
UL (90°-100°)	228.1	3.8		U3/500	
UH (100°-180°)	929.8	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°	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
2.5°	46.8	46.8	46.2	45.6	46.2	46.8	46.8	47.4	46.2	46.2	46.8
5°	62.6	62.6	62.6	62.0	60.8	60.8	60.2	62.0	62.6	63.2	63.2
7.5°	77.8	77.2	78.4	79.1	76.0	74.8	74.8	75.4	76.6	77.8	79.1
10°	88.2	87.6	88.2	90.6	90.0	88.2	88.2	88.2	90.0	93.0	93.7
12.5°	104.0	104.0	105.2	107.0	107.6	105.8	104.6	104.6	107.0	107.6	107.0
15°	121.0	121.0	120.4	119.8	120.4	119.8	119.8	120.4	122.2	121.6	121.6
17.5°	130.1	129.5	128.9	129.5	129.5	128.9	129.5	130.7	130.1	132.0	132.6
20°	139.9	139.9	138.7	138.7	138.7	139.3	139.9	139.3	139.9	140.5	141.1
22.5°	149.0	149.0	148.4	147.8	148.4	149.0	149.6	148.4	148.4	149.6	149.6
25°	159.3	159.3	159.3	157.5	158.1	158.7	158.1	157.5	158.1	158.7	159.3
27.5°	170.9	170.9	169.7	167.8	168.4	168.4	169.1	167.8	169.1	169.1	169.1
30°	180.6	179.4	178.8	177.6	177.6	178.8	180.0	178.2	178.8	178.8	179.4
32.5°	189.7	189.7	189.1	186.7	186.1	189.7	190.9	190.3	187.9	188.5	189.1
35°	223.8	223.8	219.5	215.3	218.9	218.3	223.2	223.2	223.2	224.4	226.8
37.5°	266.4	268.2	274.9	284.6	284.6	270.6	263.3	262.7	272.4	281.0	280.3
40°	304.1	305.9	304.1	305.3	304.1	304.7	305.3	304.1	298.6	296.8	293.1
42.5°	350.9	351.5	339.9	326.6	327.8	334.5	342.4	343.0	331.4	326.0	324.7
45°	383.7	384.9	380.7	378.9	378.9	381.3	380.7	380.7	376.4	375.8	374.6
47.5°	464.0	461.6	453.0	450.0	453.7	451.8	463.4	460.3	455.5	455.5	459.7
50°	615.4	613.0	613.6	610.6	620.3	606.3	620.3	616.6	609.3	613.0	616.0
52.5°	862.9	847.7	849.5	843.5	860.5	847.7	870.8	867.8	844.1	854.4	855.0
55°	1219.3	1199.8	1198.6	1157.9	1189.5	1193.7	1222.9	1230.2	1184.0	1184.6	1187.7
57.5°	1572.6	1566.5	1586.0	1560.4	1582.9	1572.6	1572.0	1585.4	1558.6	1562.3	1572.0
60°	1806.7	1811.6	1833.5	1840.2	1848.1	1833.5	1803.7	1809.8	1807.9	1838.9	1841.4
62.5°	1932.0	1946.6	1930.8	1925.9	1919.2	1924.7	1921.0	1924.7	1913.7	1928.3	1929.0
65°	1927.7	1950.8	1922.3	1904.6	1893.7	1910.7	1915.6	1926.5	1903.4	1894.3	1894.3
67.5°	1805.5	1833.5	1788.5	1786.7	1759.9	1788.5	1780.6	1789.1	1770.8	1758.1	1745.9
70°	1502.1	1527.6	1473.5	1480.2	1433.9	1480.8	1468.6	1484.4	1469.8	1444.9	1430.3
72.5°	1131.7	1154.2	1114.1	1124.4	1094.0	1129.3	1110.4	1137.2	1128.1	1117.1	1105.0
75°	856.2	873.9	876.3	911.0	874.5	891.5	857.4	873.3	888.5	901.2	887.9
77.5°	630.0	642.2	678.7	717.0	681.1	693.3	659.2	674.4	688.4	710.3	700.6
80°	445.1	459.1	492.6	521.2	495.0	506.0	484.1	492.6	503.5	519.3	509.0
82.5°	346.6	341.8	340.5	333.2	325.3	352.7	358.2	363.0	352.7	348.5	343.6
85°	290.7	291.9	299.2	308.3	308.3	308.9	303.5	305.9	310.1	318.0	318.7
87.5°	267.0	270.6	291.3	298.6	295.5	296.8	291.9	293.1	296.2	300.4	299.2
90°	235.3	244.5	263.9	271.2	266.4	268.8	266.4	268.2	265.7	267.0	264.5
92.5°	229.9	229.3	235.3	234.7	231.7	239.0	239.0	240.2	237.2	235.3	234.1
95°	212.8	211.6	211.0	212.8	206.2	211.6	210.4	212.8	211.6	211.6	209.2
97.5°	178.2	178.2	177.0	178.8	174.5	177.0	173.9	175.7	175.1	175.7	173.9
100°	164.2	164.2	163.0	163.0	161.2	161.8	160.5	160.5	159.9	159.3	159.3
102.5°	154.5	155.7	153.9	154.5	152.0	152.0	150.8	151.4	150.8	150.8	150.2
105°	145.3	145.9	144.7	144.7	142.9	142.3	141.1	141.7	142.3	141.1	141.1
107.5°	136.2	136.8	136.2	136.2	134.4	133.2	131.4	131.4	132.0	132.6	132.6
110°	139.9	138.0	136.2	135.0	137.4	133.8	132.6	132.0	132.6	134.4	135.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	167.2	166.0	166.0	160.5	166.6	163.0	160.5	156.3	158.1	159.3	159.3
115°	194.0	194.6	187.3	184.9	181.2	180.6	182.4	177.6	177.0	177.6	176.4
117.5°	217.7	204.9	177.6	170.3	168.4	167.2	166.0	164.8	163.6	170.9	163.0
120°	232.9	211.0	190.9	186.7	197.0	182.4	172.7	170.9	174.5	187.3	185.5
122.5°	330.2	311.4	296.8	271.2	296.8	282.2	285.8	279.1	275.5	268.2	269.4
125°	386.2	385.5	378.9	374.0	380.1	374.6	368.5	366.1	362.4	364.3	361.2
127.5°	358.8	364.3	355.7	365.5	343.6	349.7	348.5	352.7	349.1	350.3	345.4
130°	284.0	288.2	280.3	275.5	265.7	276.7	277.3	284.0	276.7	267.0	265.7
132.5°	248.1	251.2	239.0	232.9	226.2	235.9	240.2	243.9	239.0	228.7	226.2
135°	211.0	212.2	203.7	204.9	200.7	200.7	200.1	201.9	204.3	202.5	201.3
137.5°	181.2	184.3	181.2	184.9	181.2	178.2	173.3	175.1	180.6	184.9	184.3
140°	156.9	159.9	160.5	164.2	156.9	158.1	155.1	156.3	159.3	163.6	165.4
142.5°	139.3	141.7	136.2	133.2	130.7	138.0	143.5	144.1	140.5	135.6	137.4
145°	135.6	133.2	135.6	133.2	135.6	134.4	135.0	134.4	134.4	134.4	134.4
147.5°	137.4	139.9	139.9	139.9	136.2	136.8	137.4	138.0	138.0	140.5	139.9
150°	114.3	117.4	116.8	119.8	114.3	115.5	116.2	117.4	118.0	118.6	119.2
152.5°	96.7	97.3	99.1	100.3	99.7	99.1	98.5	98.5	99.7	100.9	101.6
155°	94.3	94.3	96.1	97.9	96.1	96.1	95.5	95.5	96.1	97.9	97.9
157.5°	90.6	91.2	91.2	92.4	91.2	91.8	91.2	91.2	91.8	92.4	93.0
160°	88.8	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	90.0	90.0
162.5°	88.8	88.8	88.8	88.2	88.2	88.8	88.8	88.8	88.8	88.2	88.8
165°	90.6	90.0	89.4	88.8	89.4	90.6	91.2	91.2	90.6	89.4	90.0
167.5°	94.3	94.3	93.7	93.0	93.7	94.3	94.9	94.9	94.3	93.7	93.7
170°	97.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
172.5°	100.3	100.3	100.9	100.3	100.9	100.9	100.3	100.3	100.3	100.3	100.9
175°	104.0	104.0	104.0	104.0	104.6	104.6	104.6	104.6	104.6	104.6	104.6
177.5°	106.4	106.4	106.4	106.4	106.4	106.4	106.4	106.4	106.4	106.4	106.4
180°	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0

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

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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 2700K 4-step quadrangle

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Photopic Flux vs. Wavelength

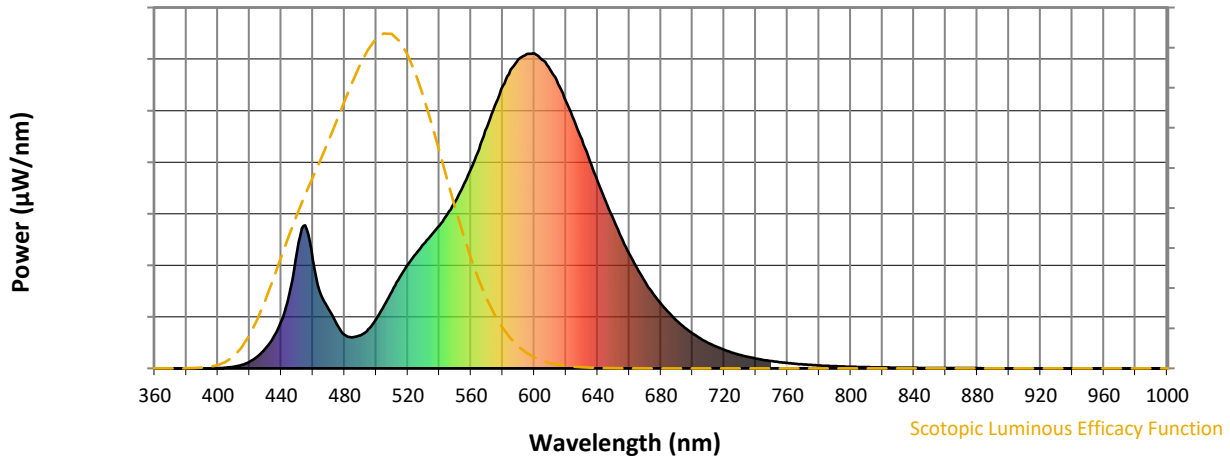


Photopic Lumens: NR

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			

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Scotopic Flux vs. Wavelength



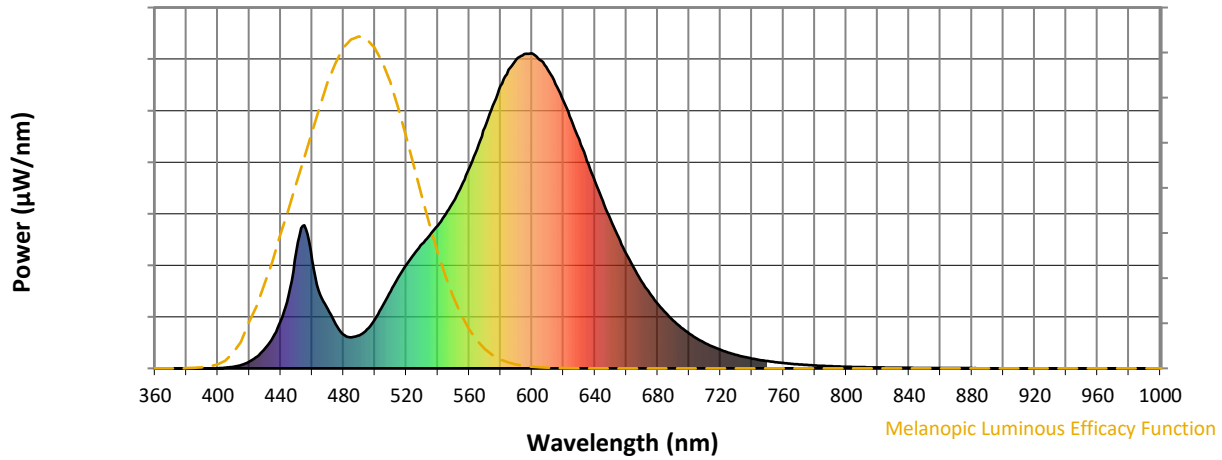
Scotopic Lumens: NR

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

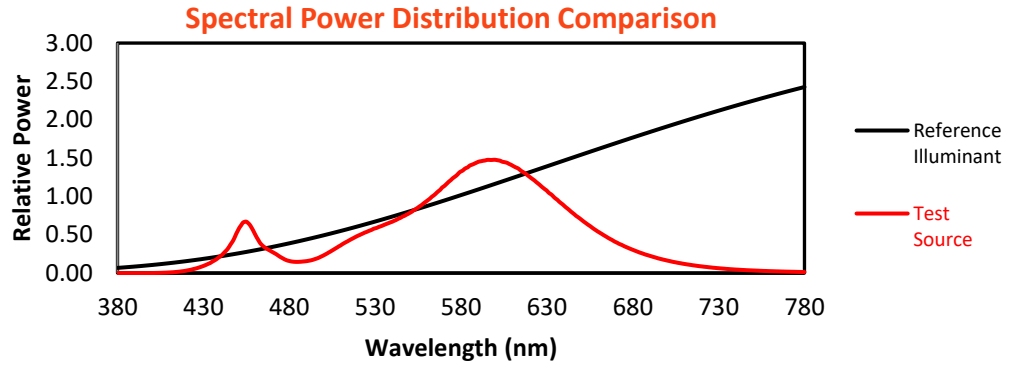
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	105	NR	620	849	NR	750	23	NR	880	1	NR
365	0	NR	495	124	NR	625	789	NR	755	20	NR	885	0	NR
370	0	NR	500	156	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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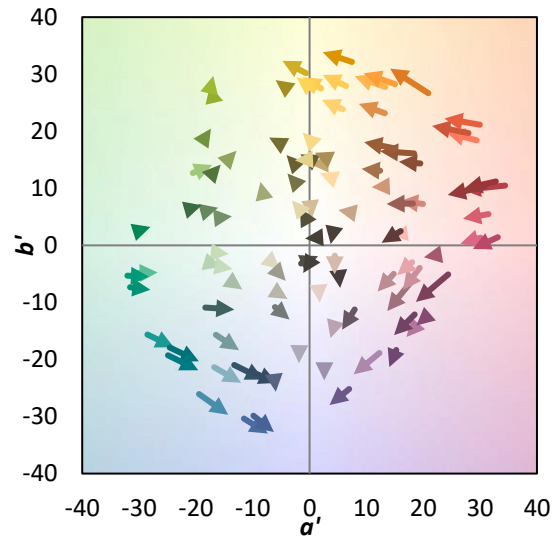
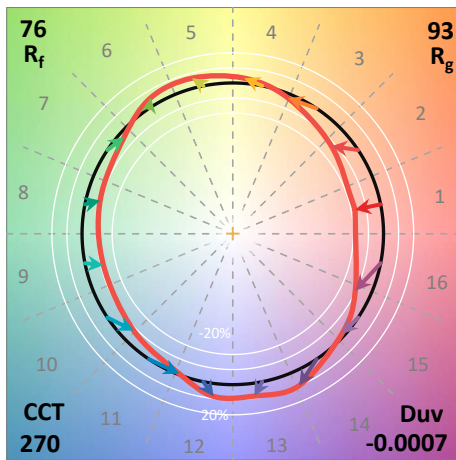
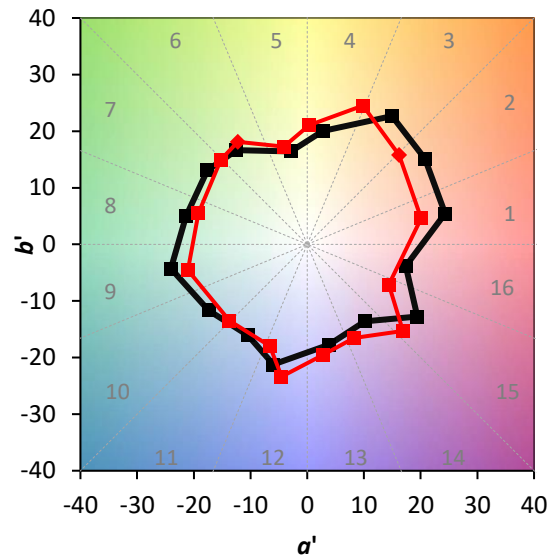
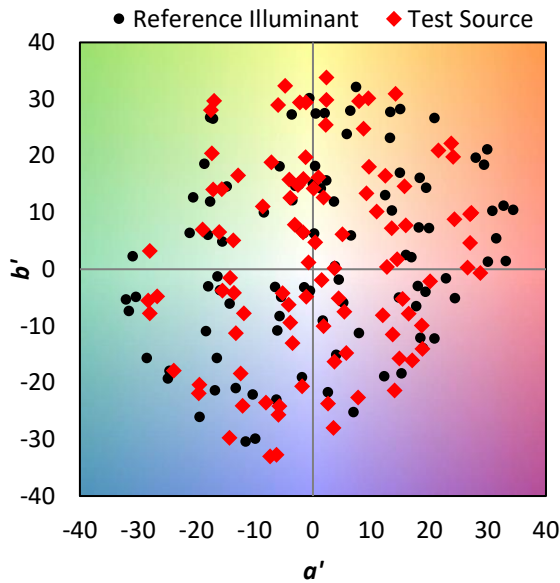
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Summary

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



Color Vector Graphics

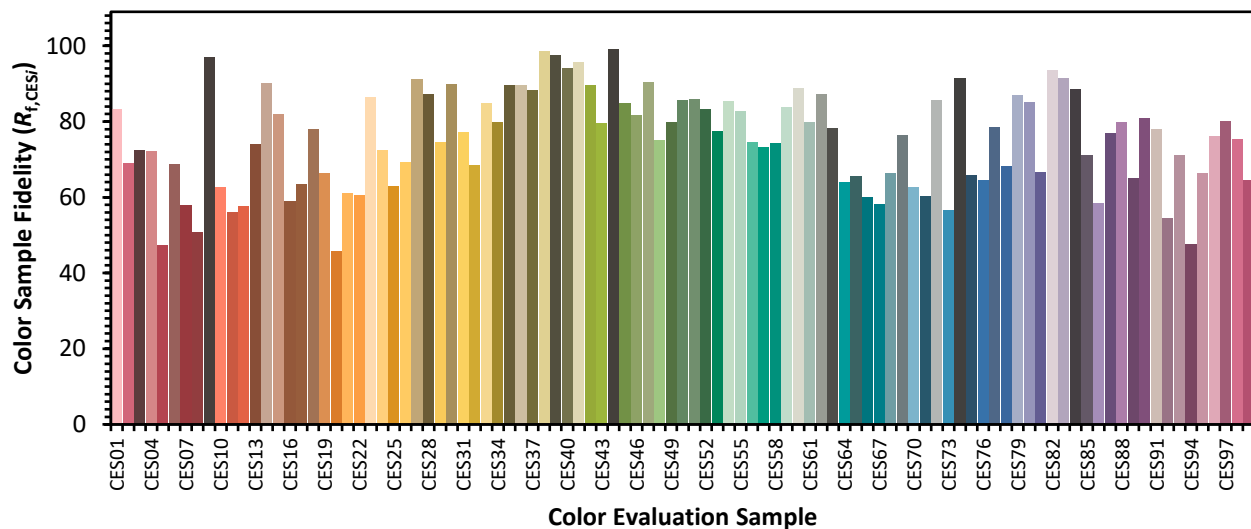


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Individual Sample Fidelity Index ($R_{f,i}$)

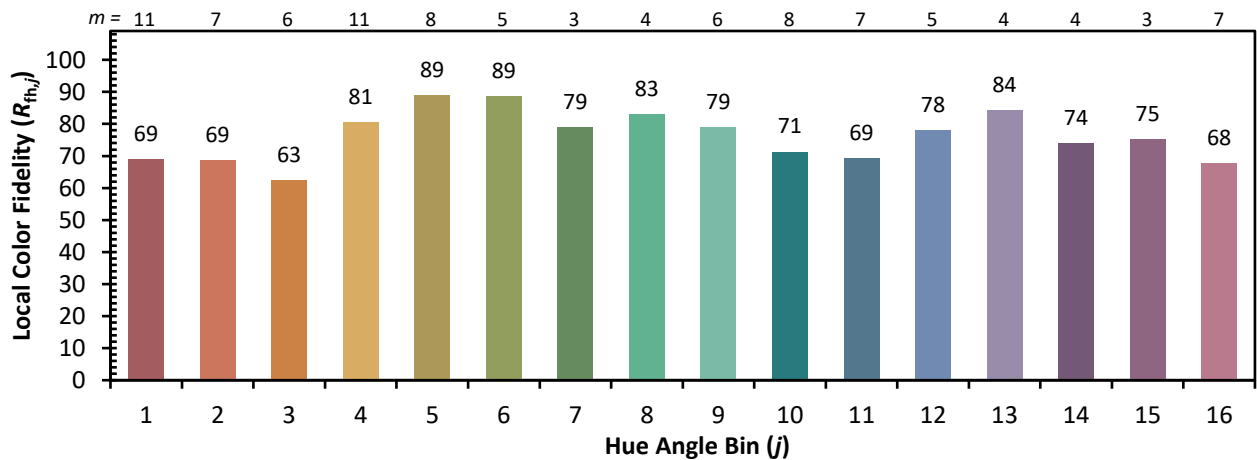
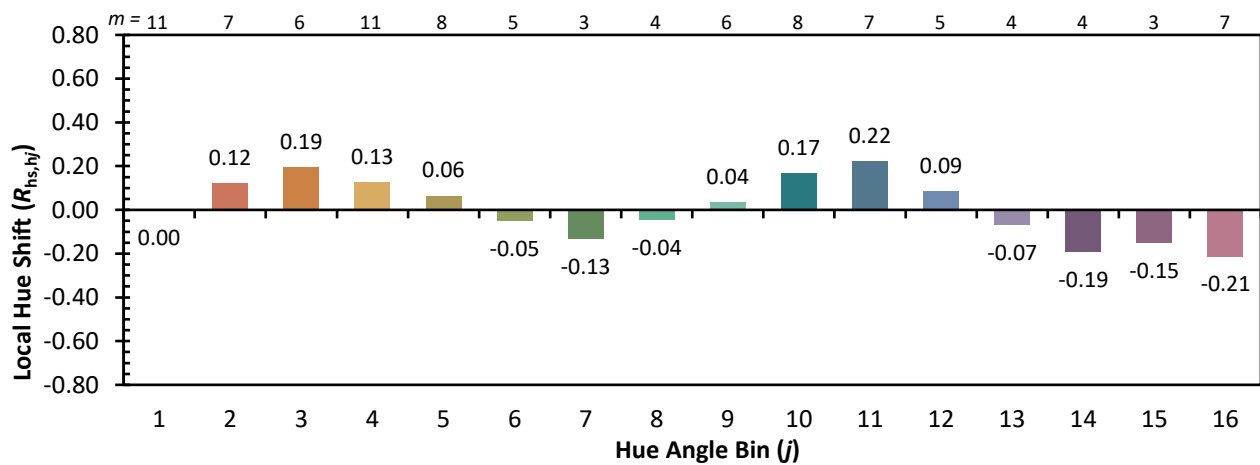
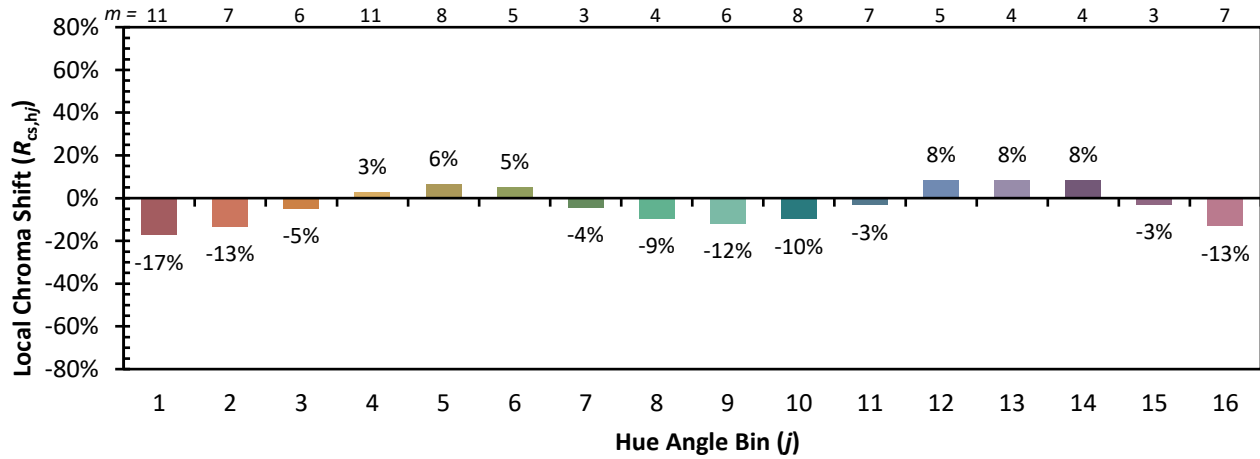
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CES02 = 63	CES27 = 91	CES52 = 83	CES77 = 79
CES03 = 31	CES28 = 87	CES53 = 77	CES78 = 68
CES04 = 71	CES29 = 75	CES54 = 85	CES79 = 87
CES05 = 50	CES30 = 90	CES55 = 83	CES80 = 85
CES06 = 52	CES31 = 77	CES56 = 75	CES81 = 67
CES07 = 42	CES32 = 68	CES57 = 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	



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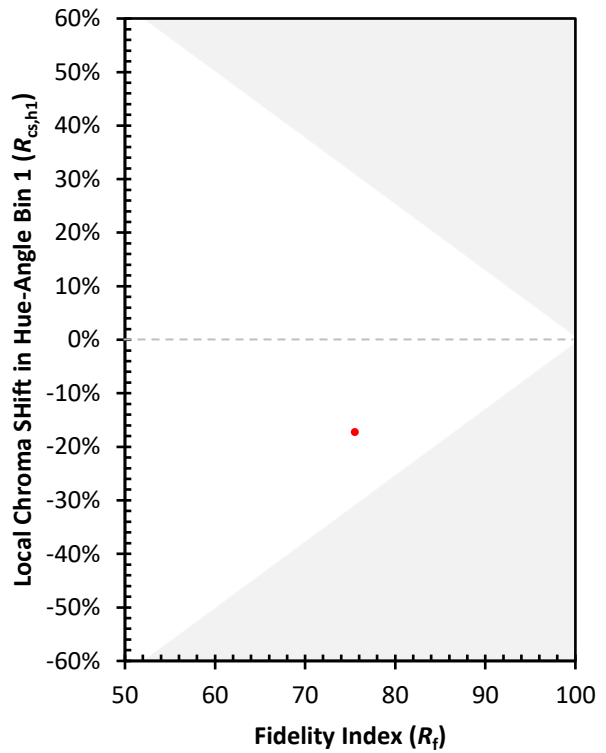
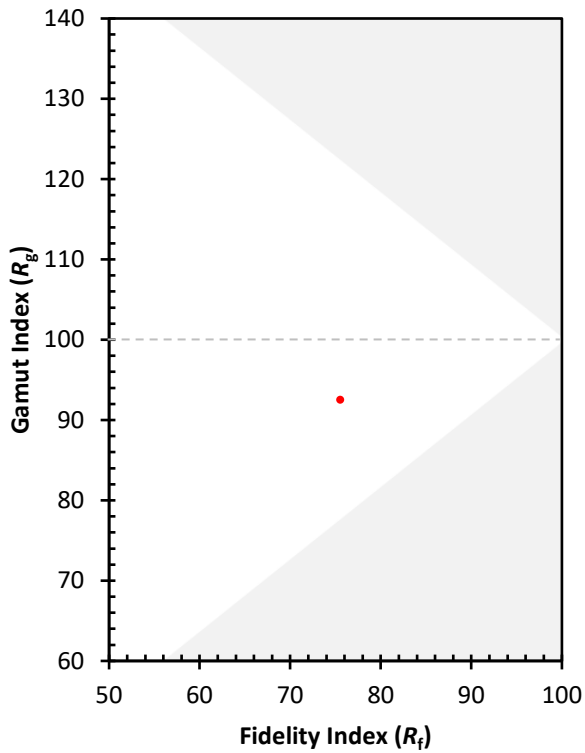
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)