

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: P856069

Luminaire Tested: **FFX-CLB-60-727-U-FR-T5**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856069
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-60-727-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

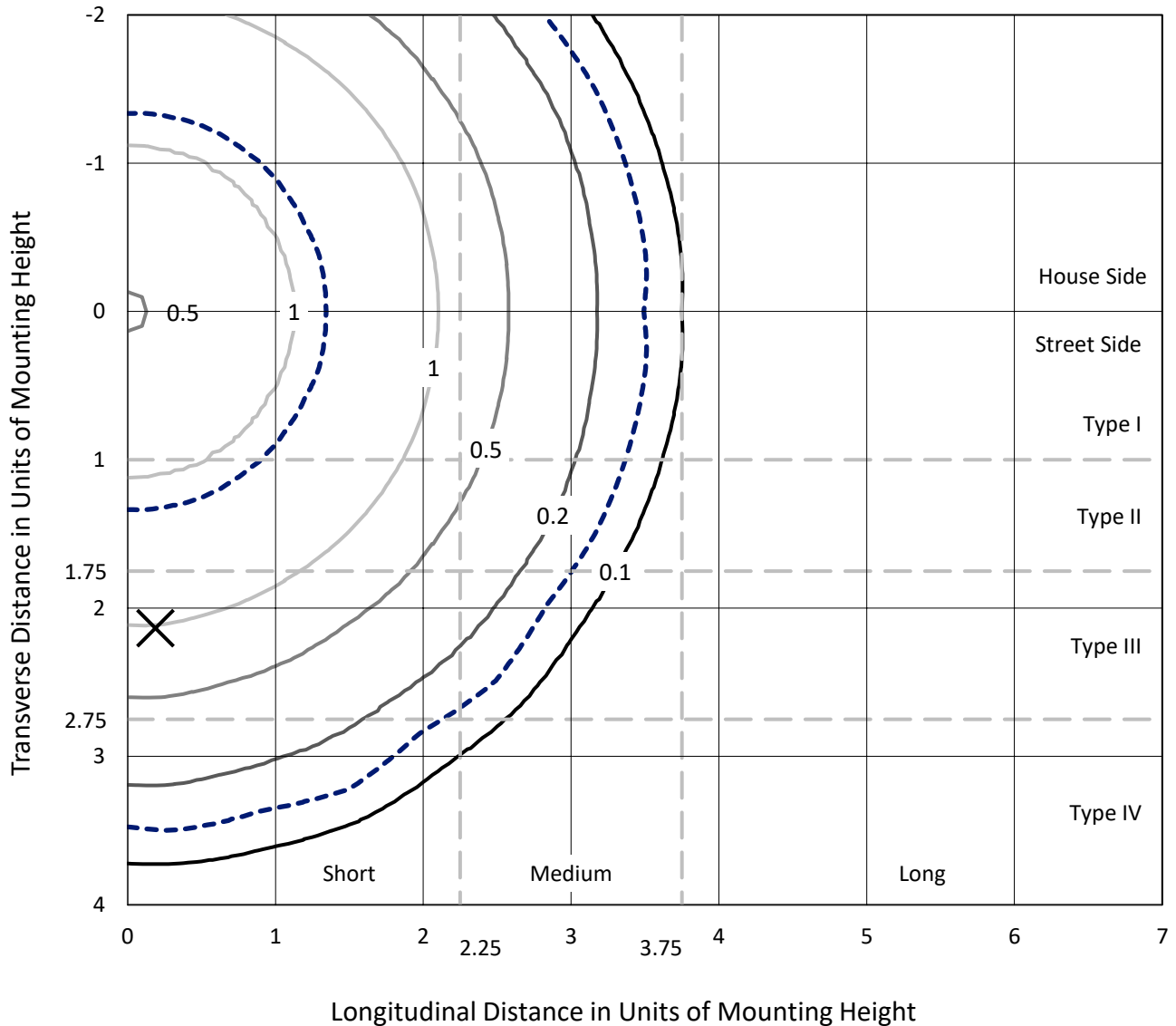
Lumens per Lamp: N/A
Luminaire Lumens: 8898.6 lumens
Efficiency: N/A
Efficacy: 148.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification: Type V - Short
BUG Rating: B3 - U5 - G3

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

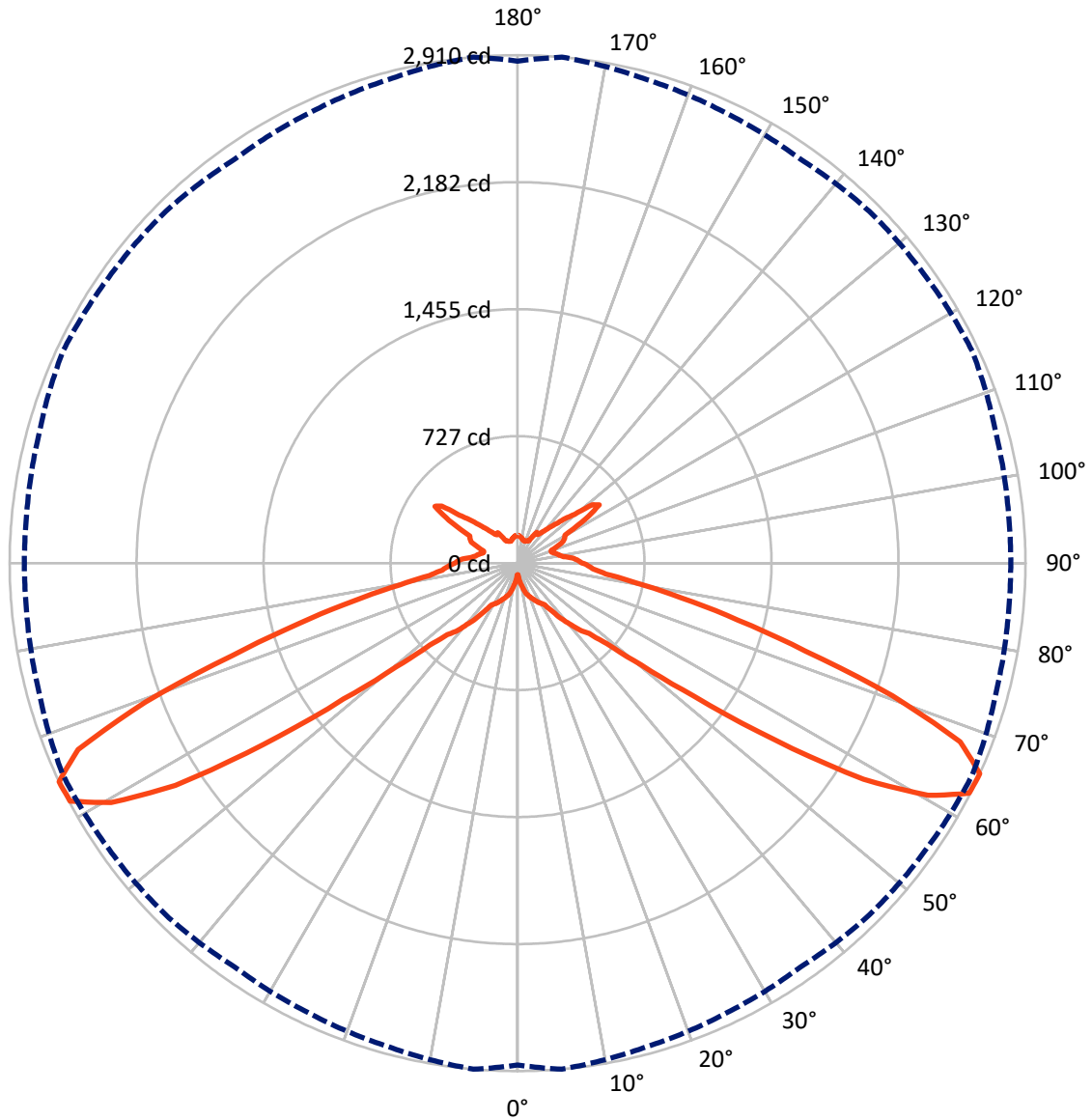
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.6 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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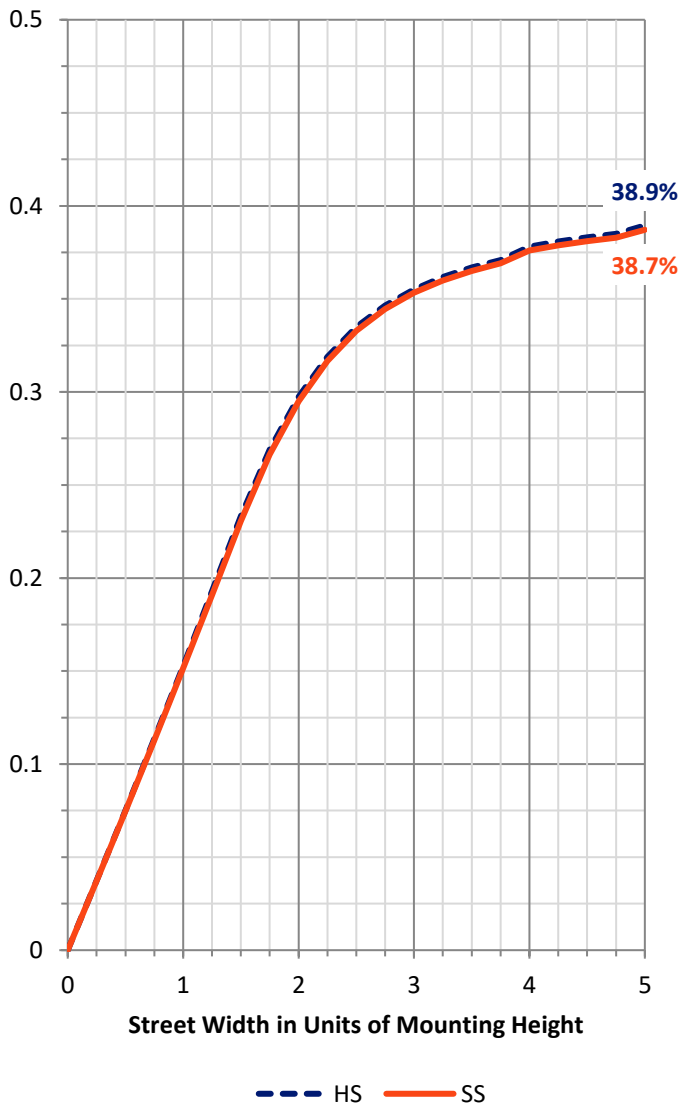
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3585.8	863.5	4449.3
	% Fixture	40.3	9.7	50.0
Street Side	Lumens	3585.8	863.5	4449.3
	% Fixture	40.3	9.7	50.0
Total	Lumens	7171.5	1727.1	8898.6
	% Fixture	80.6	19.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.1	0.1
10°-20°	50.8	0.6
20°-30°	110.4	1.2
30°-40°	219.1	2.5
40°-50°	475.2	5.3
50°-60°	1636.6	18.4
60°-70°	2687.9	30.2
70°-80°	1442.7	16.2
80°-90°	538.7	6.1
90°-100°	340.3	3.8
100°-110°	227.9	2.6
110°-120°	250.5	2.8
120°-130°	414.5	4.7
130°-140°	244.1	2.7
140°-150°	129.1	1.5
150°-160°	67.8	0.8
160°-170°	38.5	0.4
170°-180°	14.5	0.2
0°-90°	7171.5	80.6
0°-180°	8898.6	100.0



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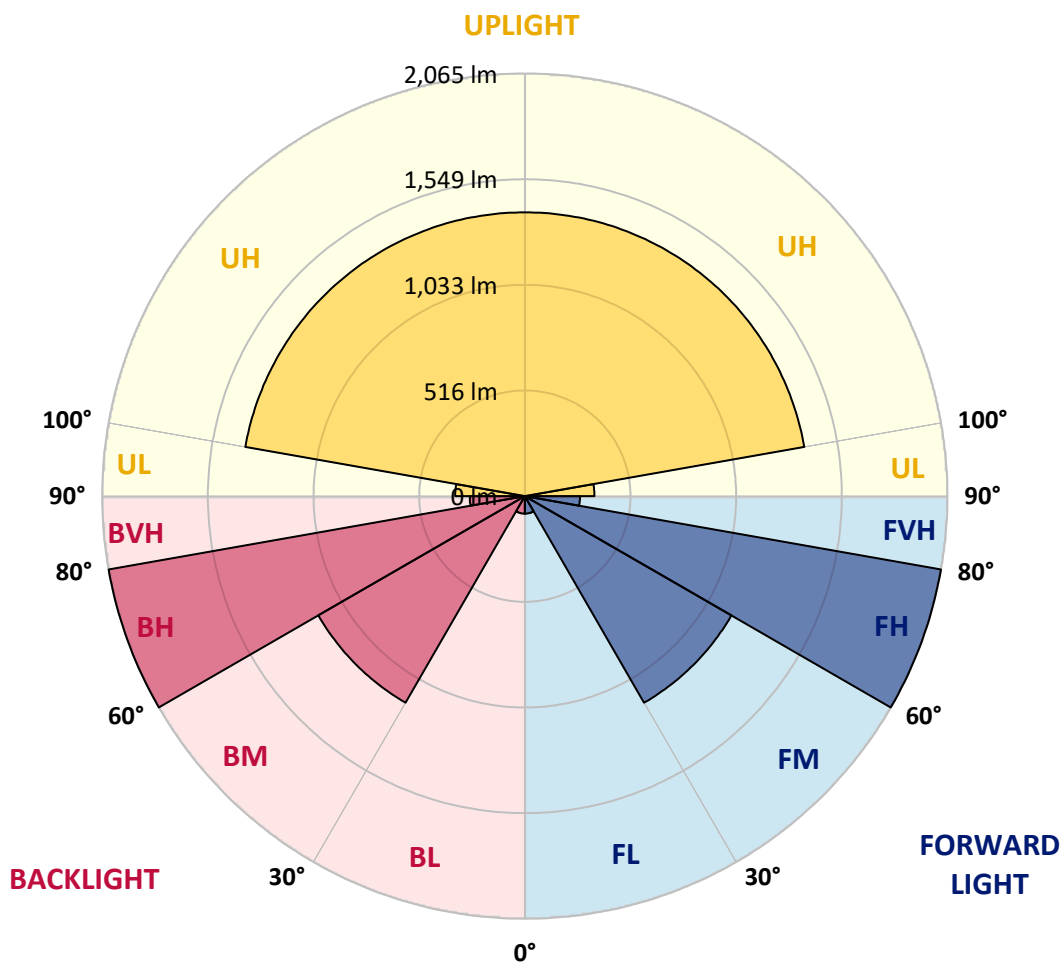
CATALOG NUMBER: FFX-CLB-60-727-U-FR-T5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	85.7	1.0			
FM (30°-60°)	1165.4	13.1			
FH (60°-80°)	2065.3	23.2			G2/5000
FVH (80°-90°)	269.4	3.0			G3/500
BL (0°-30°)	85.7	1.0	B0/110		
BM (30°-60°)	1165.4	13.1	B2/2500		
BH (60°-80°)	2065.3	23.2	B3/2500		G2/5000
BVH (80°-90°)	269.4	3.0			G3/500
UL (90°-100°)	340.3	3.8		U3/500	
UH (100°-180°)	1386.8	15.6		U5	

BUG Rating: B3-U5-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
2.5°	69.8	69.8	68.9	68.0	68.9	69.8	69.8	70.7	68.9	68.9	69.8
5°	93.4	93.4	93.4	92.5	90.7	90.7	89.8	92.5	93.4	94.3	94.3
7.5°	116.1	115.2	117.0	117.9	113.4	111.6	111.6	112.5	114.3	116.1	117.9
10°	131.5	130.6	131.5	135.1	134.2	131.5	131.5	131.5	134.2	138.8	139.7
12.5°	155.1	155.1	156.9	159.6	160.5	157.8	156.0	156.0	159.6	160.5	159.6
15°	180.5	180.5	179.6	178.7	179.6	178.7	178.7	179.6	182.3	181.4	181.4
17.5°	194.1	193.2	192.3	193.2	193.2	192.3	193.2	195.0	194.1	196.8	197.7
20°	208.6	208.6	206.8	206.8	206.8	207.7	208.6	207.7	208.6	209.5	210.4
22.5°	222.2	222.2	221.3	220.4	221.3	222.2	223.1	221.3	221.3	223.1	223.1
25°	237.6	237.6	237.6	234.9	235.8	236.7	235.8	234.9	235.8	236.7	237.6
27.5°	254.9	254.9	253.1	250.3	251.2	251.2	252.1	250.3	252.1	252.1	252.1
30°	269.4	267.6	266.7	264.8	264.8	266.7	268.5	265.8	266.7	266.7	267.6
32.5°	283.0	283.0	282.1	278.4	277.5	283.0	284.8	283.9	280.3	281.2	282.1
35°	333.8	333.8	327.4	321.1	326.5	325.6	332.9	332.9	332.9	334.7	338.3
37.5°	397.3	400.0	410.0	424.5	424.5	403.6	392.7	391.8	406.3	419.0	418.1
40°	453.5	456.2	453.5	455.3	453.5	454.4	455.3	453.5	445.3	442.6	437.2
42.5°	523.3	524.2	507.0	487.1	488.9	498.9	510.6	511.5	494.3	486.2	484.3
45°	572.3	574.1	567.8	565.1	565.1	568.7	567.8	567.8	561.4	560.5	558.7
47.5°	692.0	688.4	675.7	671.2	676.6	673.9	691.1	686.6	679.3	679.3	685.7
50°	917.9	914.3	915.2	910.6	925.1	904.3	925.1	919.7	908.8	914.3	918.8
52.5°	1287.0	1264.4	1267.1	1258.0	1283.4	1264.4	1298.8	1294.3	1258.9	1274.3	1275.2
55°	1818.5	1789.5	1787.7	1726.9	1774.1	1780.4	1824.0	1834.9	1765.9	1766.8	1771.4
57.5°	2345.5	2336.4	2365.5	2327.4	2360.9	2345.5	2344.6	2364.5	2324.6	2330.1	2344.6
60°	2694.7	2702.0	2734.6	2744.6	2756.4	2734.6	2690.2	2699.2	2696.5	2742.8	2746.4
62.5°	2881.5	2903.3	2879.7	2872.5	2862.5	2870.7	2865.2	2870.7	2854.3	2876.1	2877.0
65°	2875.2	2909.7	2867.0	2840.7	2824.4	2849.8	2857.1	2873.4	2838.9	2825.3	2825.3
67.5°	2692.9	2734.6	2667.5	2664.8	2624.9	2667.5	2655.7	2668.4	2641.2	2622.1	2604.0
70°	2240.3	2278.4	2197.7	2207.6	2138.7	2208.5	2190.4	2214.0	2192.2	2155.0	2133.3
72.5°	1687.9	1721.5	1661.6	1677.0	1631.7	1684.3	1656.2	1696.1	1682.5	1666.2	1648.0
75°	1277.1	1303.4	1307.0	1358.7	1304.3	1329.7	1278.9	1302.5	1325.1	1344.2	1324.2
77.5°	939.7	957.8	1012.2	1069.4	1015.8	1034.0	983.2	1005.9	1026.7	1059.4	1044.9
80°	663.9	684.8	734.7	777.3	738.3	754.6	722.0	734.7	751.0	774.6	759.2
82.5°	517.0	509.7	507.9	497.0	485.2	526.1	534.2	541.5	526.1	519.7	512.5
85°	433.5	435.4	446.2	459.8	459.8	460.8	452.6	456.2	462.6	474.4	475.3
87.5°	398.2	403.6	434.5	445.3	440.8	442.6	435.4	437.2	441.7	448.1	446.2
90°	351.0	364.6	393.6	404.5	397.3	400.9	397.3	400.0	396.4	398.2	394.5
92.5°	342.8	341.9	351.0	350.1	345.6	356.5	356.5	358.3	353.7	351.0	349.2
95°	317.5	315.6	314.7	317.5	307.5	315.6	313.8	317.5	315.6	315.6	312.0
97.5°	265.8	265.8	263.9	266.7	260.3	263.9	259.4	262.1	261.2	262.1	259.4
100°	244.9	244.9	243.1	243.1	240.4	241.3	239.4	239.4	238.5	237.6	237.6
102.5°	230.4	232.2	229.5	230.4	226.8	226.8	224.9	225.8	224.9	224.9	224.0
105°	216.8	217.7	215.9	215.9	213.1	212.2	210.4	211.3	212.2	210.4	210.4
107.5°	203.2	204.1	203.2	203.2	200.4	198.6	195.9	195.9	196.8	197.7	197.7
110°	208.6	205.9	203.2	201.4	205.0	199.5	197.7	196.8	197.7	200.4	201.4



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 CATALOG NUMBER: FFX-CLB-60-727-U-FR-T5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	249.4	247.6	247.6	239.4	248.5	243.1	239.4	233.1	235.8	237.6	237.6
115°	289.3	290.2	279.4	275.7	270.3	269.4	272.1	264.8	263.9	264.8	263.0
117.5°	324.7	305.7	264.8	254.0	251.2	249.4	247.6	245.8	244.0	254.9	243.1
120°	347.4	314.7	284.8	278.4	293.9	272.1	257.6	254.9	260.3	279.4	276.6
122.5°	492.5	464.4	442.6	404.5	442.6	420.8	426.3	416.3	410.9	400.0	401.8
125°	575.9	575.0	565.1	557.8	566.9	558.7	549.6	546.0	540.6	543.3	538.8
127.5°	535.1	543.3	530.6	545.1	512.5	521.5	519.7	526.1	520.6	522.4	515.2
130°	423.6	429.9	418.1	410.9	396.4	412.7	413.6	423.6	412.7	398.2	396.4
132.5°	370.1	374.6	356.5	347.4	337.4	351.9	358.3	363.7	356.5	341.0	337.4
135°	314.7	316.5	303.8	305.7	299.3	299.3	298.4	301.1	304.8	302.0	300.2
137.5°	270.3	274.8	270.3	275.7	270.3	265.8	258.5	261.2	269.4	275.7	274.8
140°	234.0	238.5	239.4	244.9	234.0	235.8	231.3	233.1	237.6	244.0	246.7
142.5°	207.7	211.3	203.2	198.6	195.0	205.9	214.1	215.0	209.5	202.3	205.0
145°	202.3	198.6	202.3	198.6	202.3	200.4	201.4	200.4	200.4	200.4	200.4
147.5°	205.0	208.6	208.6	208.6	203.2	204.1	205.0	205.9	205.9	209.5	208.6
150°	170.5	175.1	174.1	178.7	170.5	172.3	173.2	175.1	176.0	176.9	177.8
152.5°	144.2	145.1	147.8	149.7	148.7	147.8	146.9	146.9	148.7	150.6	151.5
155°	140.6	140.6	143.3	146.0	143.3	143.3	142.4	142.4	143.3	146.0	146.0
157.5°	135.1	136.1	136.1	137.9	136.1	137.0	136.1	136.1	137.0	137.9	138.8
160°	132.4	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	134.2	134.2
162.5°	132.4	132.4	132.4	131.5	131.5	132.4	132.4	132.4	132.4	131.5	132.4
165°	135.1	134.2	133.3	132.4	133.3	135.1	136.1	136.1	135.1	133.3	134.2
167.5°	140.6	140.6	139.7	138.8	139.7	140.6	141.5	141.5	140.6	139.7	139.7
170°	146.0	145.1	145.1	145.1	145.1	145.1	145.1	145.1	145.1	145.1	145.1
172.5°	149.7	149.7	150.6	149.7	150.6	150.6	149.7	149.7	149.7	149.7	150.6
175°	155.1	155.1	155.1	155.1	156.0	156.0	156.0	156.0	156.0	156.0	156.0
177.5°	158.7	158.7	158.7	158.7	158.7	158.7	158.7	158.7	158.7	158.7	158.7
180°	159.6	159.6	159.6	159.6	159.6	159.6	159.6	159.6	159.6	159.6	159.6

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: SP1-2406-133-3

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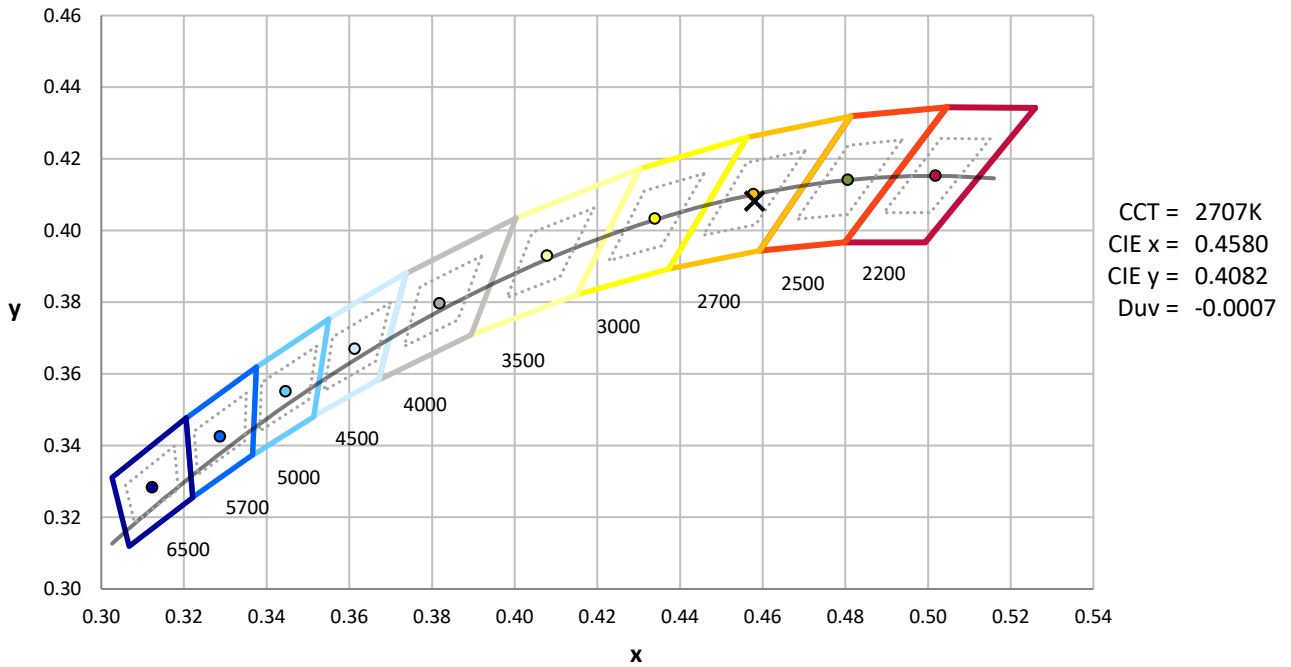
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



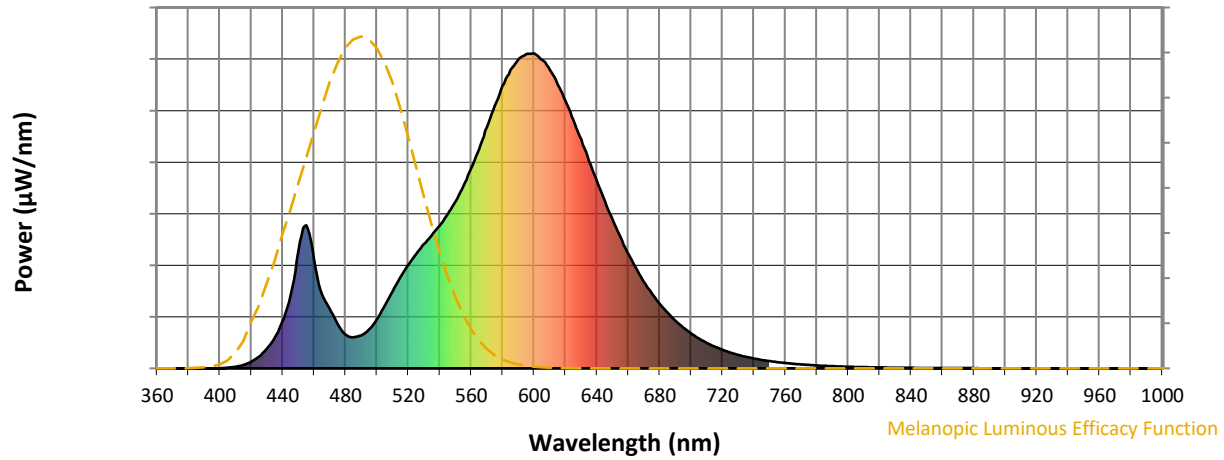
Scotopic Lumens: NR

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			

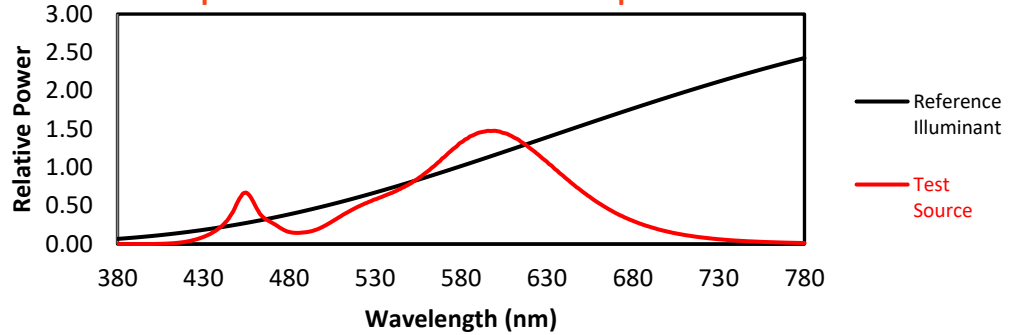
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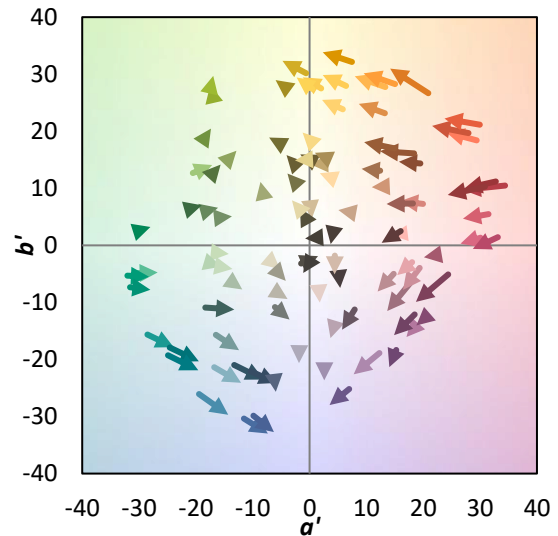
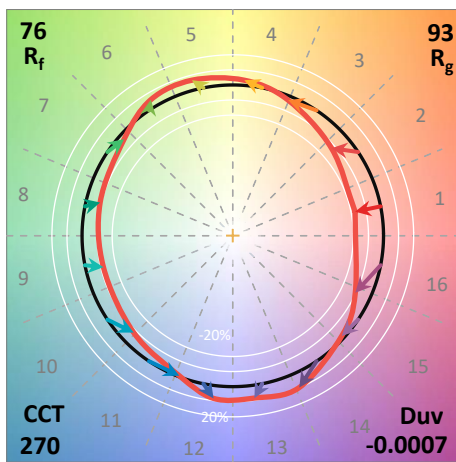
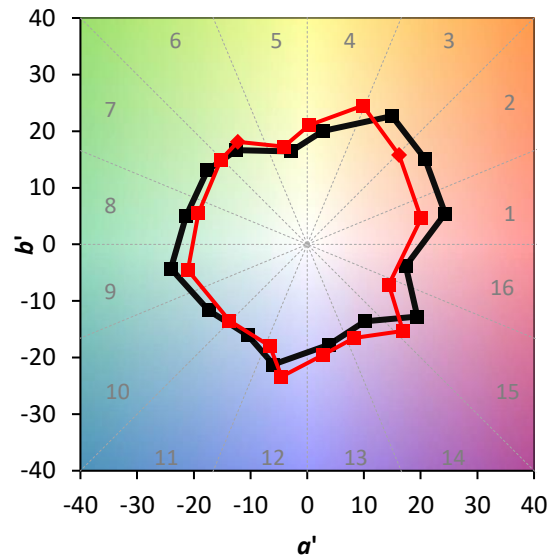
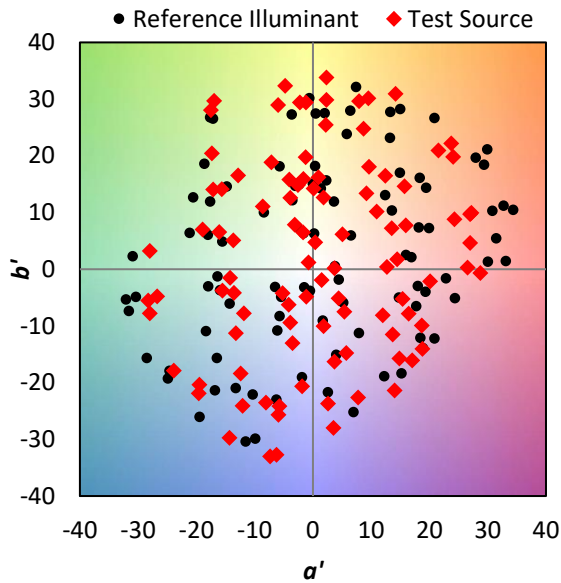
Summary

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

Spectral Power Distribution Comparison



Color Vector Graphics



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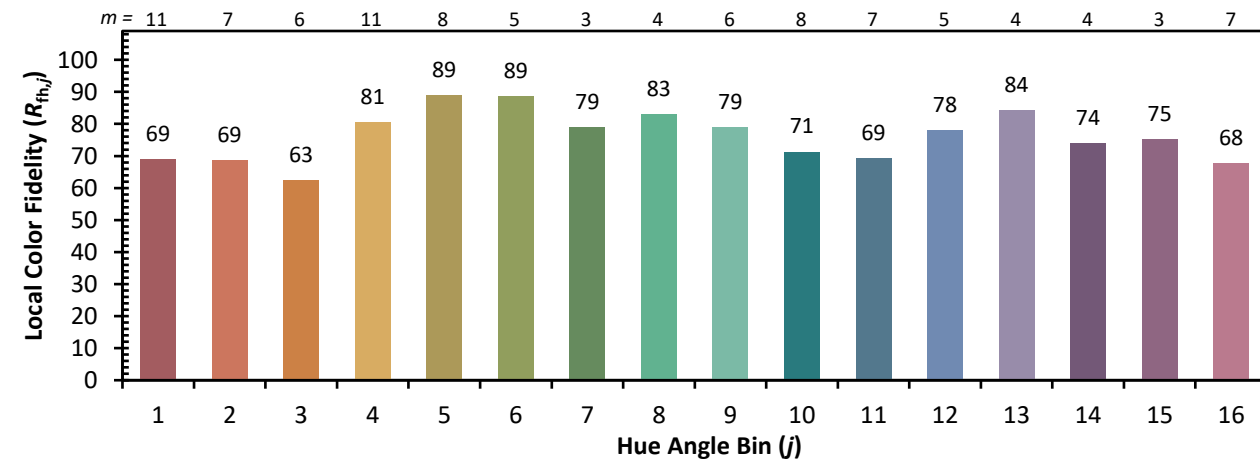
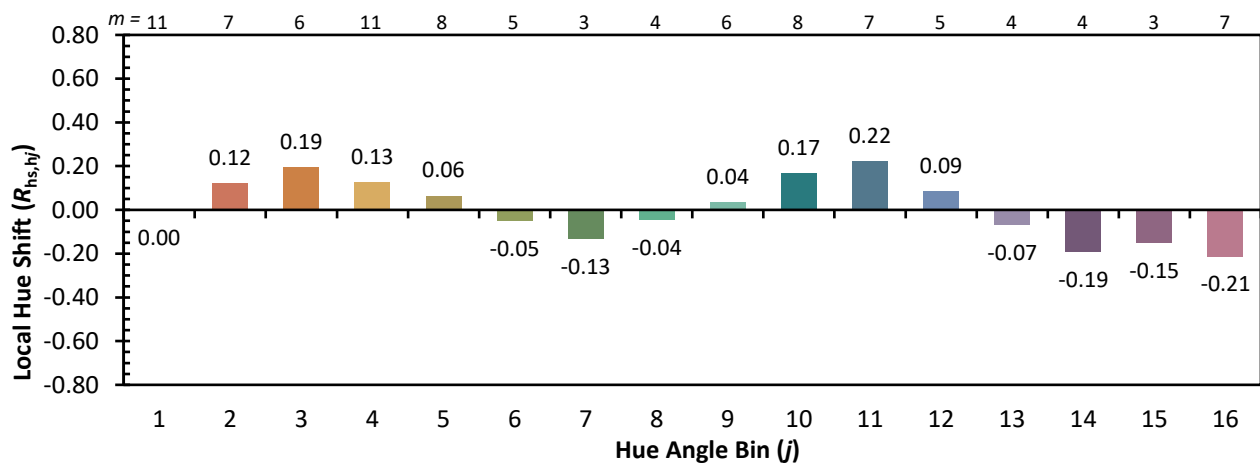
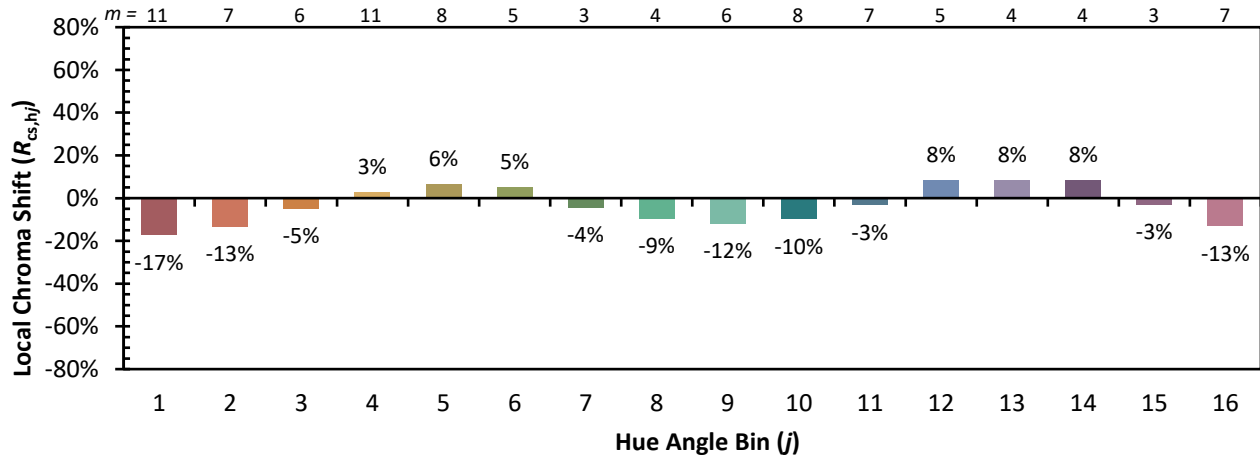
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Individual Sample Fidelity Index ($R_{f,i}$)

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	



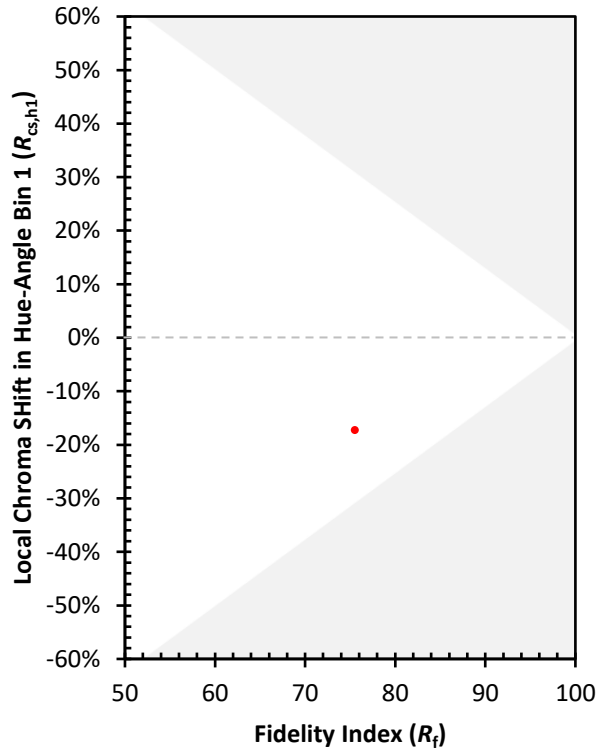
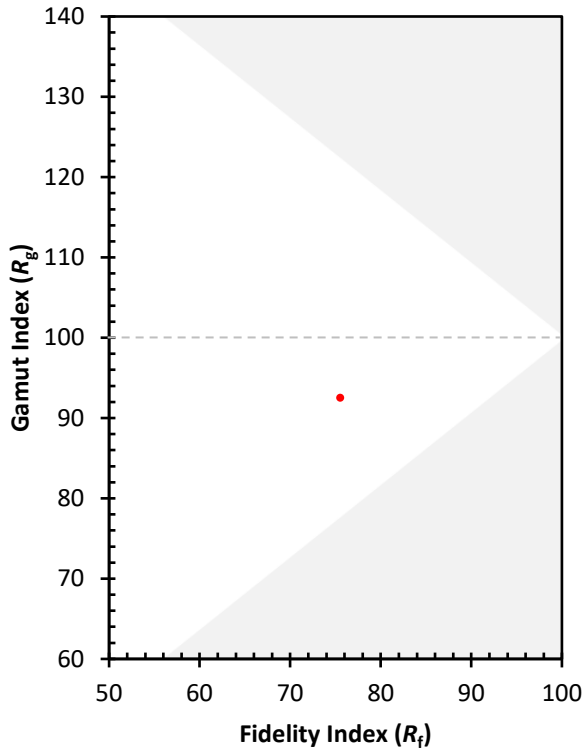
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)