

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: P856294

Luminaire Tested: **FFX-CLB-60-727-U-FG**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856294
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-FG
Description: FAIRFAX POST TOP FIXTURE w/ FROSTED GLOBE
Light Source: (6) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

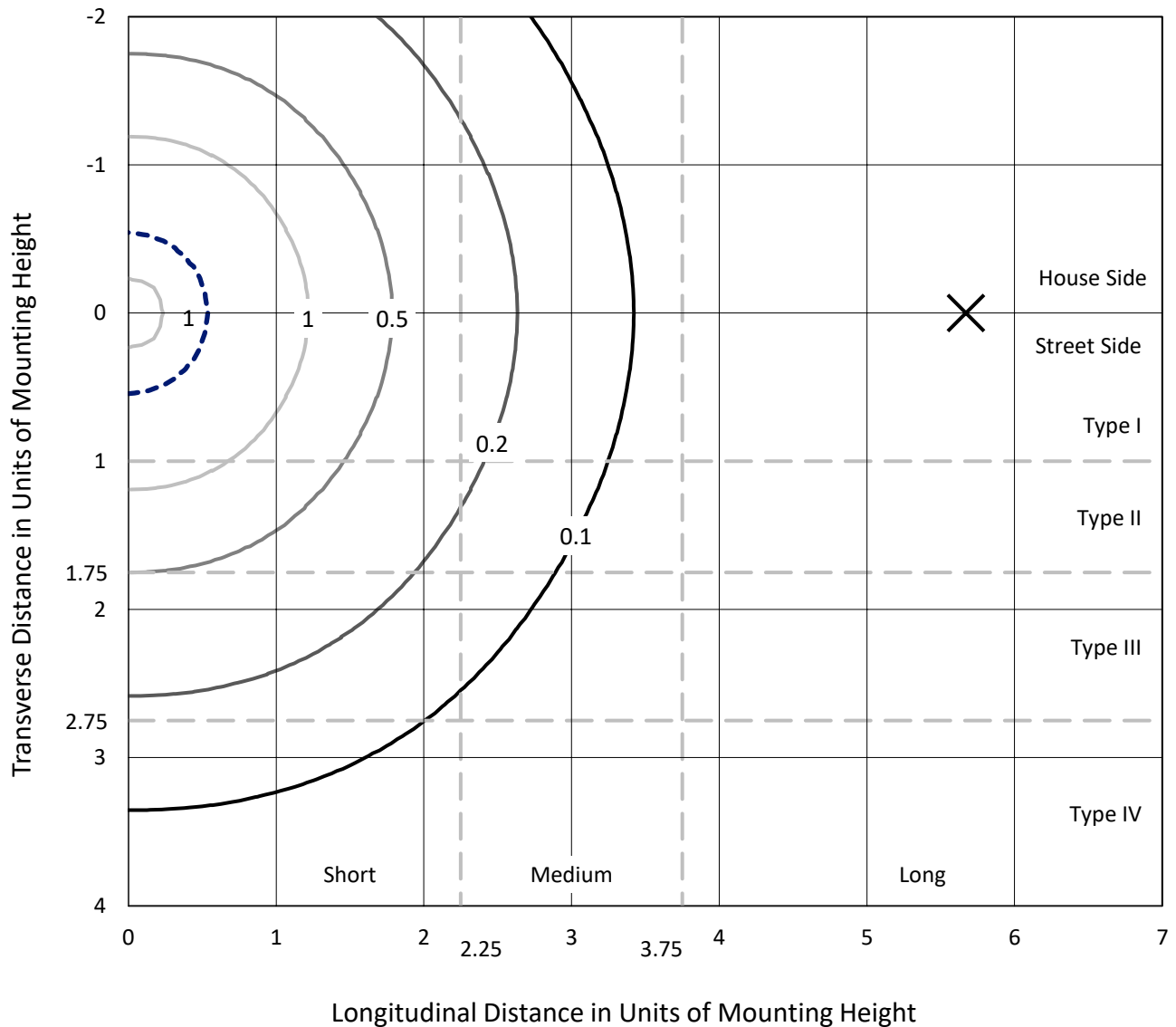
Lumens per Lamp: N/A
Luminaire Lumens: 9194.8 lumens
Efficiency: N/A
Efficacy: 153.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 1.5')
IES Classification: Type V - Short
BUG Rating: B3 - U5 - G4

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

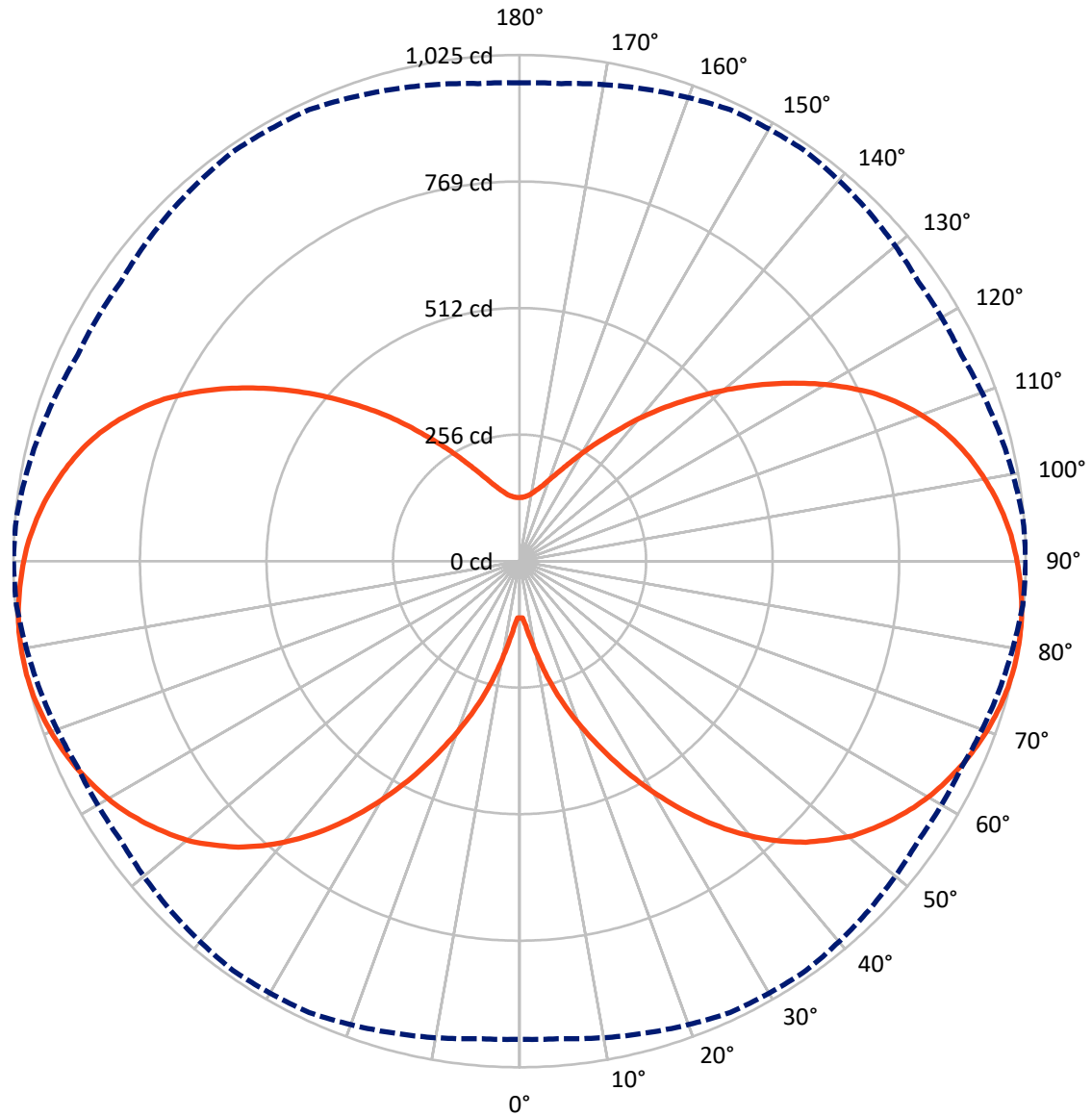
× Max cd
 - - - 1/2 Max cd



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

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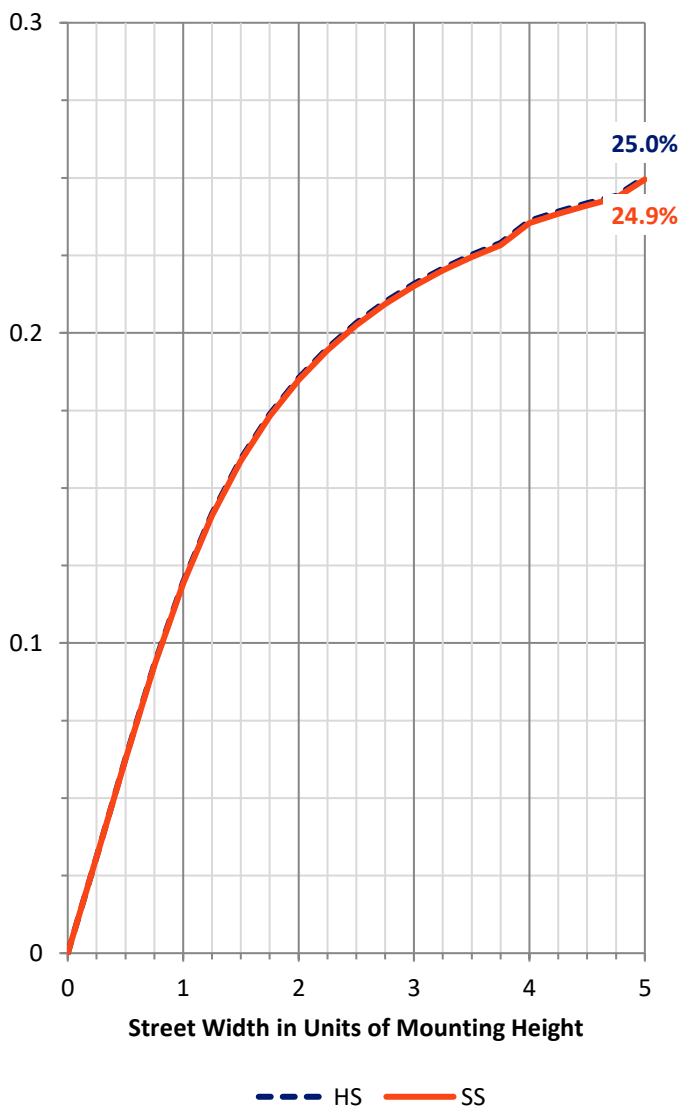
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2616.0	1981.4	4597.4
	% Fixture	28.5	21.5	50.0
Street Side	Lumens	2616.0	1981.4	4597.4
	% Fixture	28.5	21.5	50.0
Total	Lumens	5232.0	3962.8	9194.8
	% Fixture	56.9	43.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.6	0.2
10°-20°	80.2	0.9
20°-30°	210.9	2.3
30°-40°	403.3	4.4
40°-50°	620.0	6.7
50°-60°	812.2	8.8
60°-70°	958.6	10.4
70°-80°	1051.6	11.4
80°-90°	1080.5	11.8
90°-100°	1041.0	11.3
100°-110°	933.4	10.2
110°-120°	758.5	8.2
120°-130°	542.0	5.9
130°-140°	342.7	3.7
140°-150°	192.0	2.1
150°-160°	96.6	1.1
160°-170°	43.9	0.5
170°-180°	12.7	0.1
0°-90°	5232.0	56.9
0°-180°	9194.8	100.0



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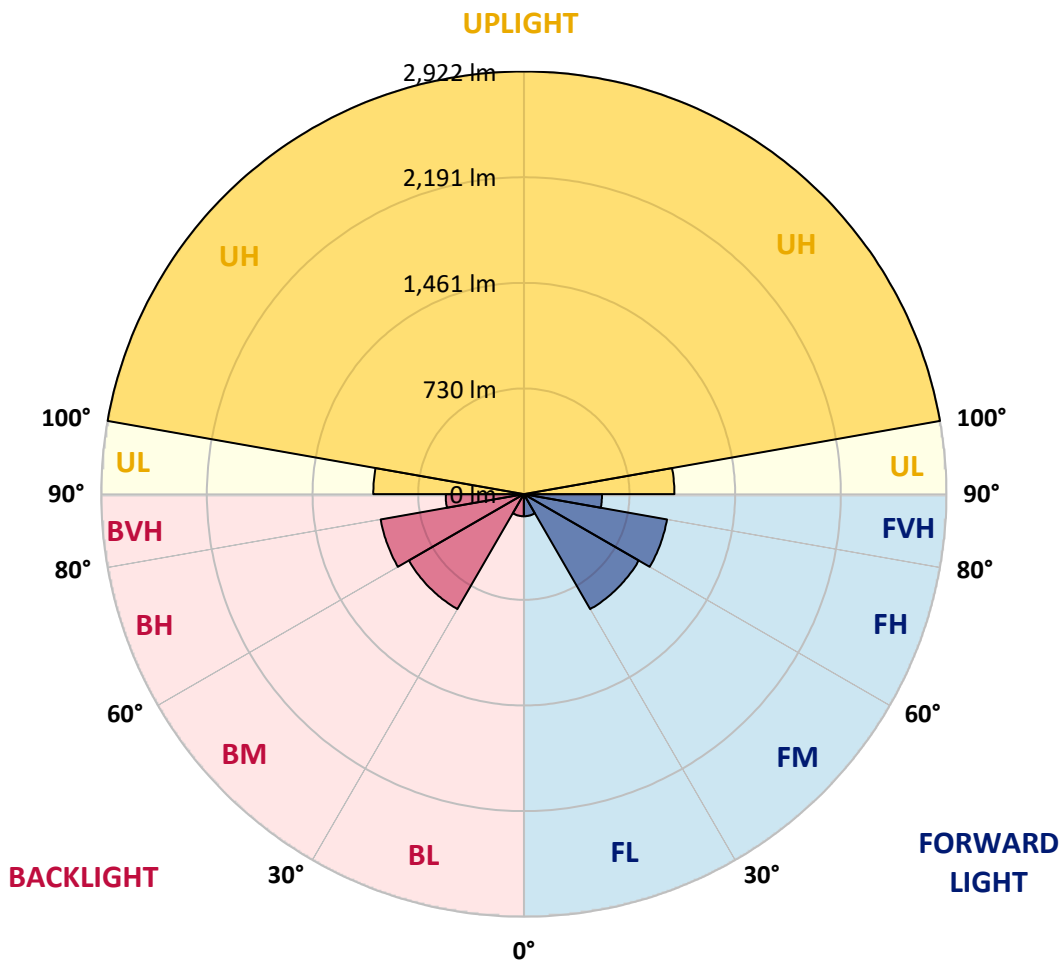
CATALOG NUMBER: FFX-CLB-60-727-U-FG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	152.9	1.7			
FM (30°-60°)	917.8	10.0			
FH (60°-80°)	1005.1	10.9			G1/1800
FVH (80°-90°)	540.2	5.9			G4/750
BL (0°-30°)	152.9	1.7	B1/500		
BM (30°-60°)	917.8	10.0	B1/1000		
BH (60°-80°)	1005.1	10.9	B3/2500		G1/1800
BVH (80°-90°)	540.2	5.9			G4/750
UL (90°-100°)	1041.0	11.3		U5	
UH (100°-180°)	2921.8	31.8		U5	

BUG Rating: B3-U5-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	115.4	115.4	115.4	115.4	115.4	115.4	115.4	115.4	115.4	115.4	115.4
2.5°	121.1	121.1	120.5	119.4	118.8	118.3	117.1	115.4	114.9	114.9	114.9
5°	131.8	132.4	132.4	131.8	132.4	131.3	131.3	130.1	130.7	130.7	131.3
7.5°	158.4	158.4	159.0	159.0	159.6	158.4	159.0	158.4	159.0	159.0	158.4
10°	193.0	193.0	194.1	193.0	193.5	192.4	191.8	191.8	193.5	193.0	192.4
12.5°	232.0	233.1	232.6	232.0	233.1	232.0	230.9	231.4	233.7	232.6	232.0
15°	273.3	274.4	275.6	273.9	274.4	273.9	273.3	273.9	276.1	275.0	274.4
17.5°	315.2	315.7	316.9	314.6	315.2	315.7	315.2	315.7	317.4	316.9	316.3
20°	357.0	358.2	359.3	357.0	357.6	358.2	357.6	358.2	360.4	359.3	358.7
22.5°	401.2	401.7	404.0	401.2	402.3	402.9	401.7	402.9	405.1	404.0	403.4
25°	447.0	446.4	449.8	447.6	448.1	449.3	448.1	449.3	452.1	452.1	450.4
27.5°	494.0	494.0	496.8	495.1	496.2	495.7	496.8	497.9	500.8	501.3	499.6
30°	540.9	540.9	545.5	542.6	544.3	544.9	544.9	546.0	549.4	550.6	548.3
32.5°	587.9	587.9	590.2	590.7	591.9	592.4	593.6	593.6	598.1	598.7	597.5
35°	633.7	633.7	636.0	637.1	640.0	638.8	640.5	640.5	645.6	646.2	645.6
37.5°	677.3	677.9	680.7	681.8	684.1	684.1	685.2	686.4	690.9	692.6	692.0
40°	718.6	719.7	722.0	724.3	726.5	726.5	727.1	728.8	733.9	735.6	735.0
42.5°	756.0	756.5	759.9	763.3	765.6	765.6	766.1	767.3	772.9	775.2	775.2
45°	788.8	790.5	795.0	799.5	801.8	801.2	801.2	802.9	809.2	812.0	812.0
47.5°	819.3	821.6	826.7	831.2	833.5	833.5	832.9	834.6	841.4	844.8	843.1
50°	846.5	848.2	853.9	860.6	862.3	862.3	860.6	862.3	869.7	874.2	874.2
52.5°	869.1	870.8	877.6	885.0	887.2	886.7	884.4	886.1	893.5	898.6	898.0
55°	888.4	890.6	898.0	907.0	909.3	907.6	904.8	906.5	914.4	921.2	920.6
57.5°	905.9	907.6	916.1	925.7	929.1	926.3	922.3	924.0	933.1	940.4	941.0
60°	920.6	922.3	931.9	943.3	946.1	942.7	937.6	939.3	949.5	958.0	959.1
62.5°	933.1	934.8	945.5	958.0	961.9	956.8	950.6	952.3	963.6	973.2	973.8
65°	943.3	945.0	957.4	970.4	974.4	968.7	961.4	963.1	975.5	986.3	987.4
67.5°	951.2	953.4	967.6	981.7	985.1	978.3	969.8	971.5	985.1	997.6	998.7
70°	958.0	960.8	975.5	990.8	994.7	986.8	976.6	978.9	994.2	1006.6	1008.3
72.5°	963.1	965.9	981.7	998.1	1002.7	993.0	981.7	984.0	1000.4	1014.0	1015.7
75°	966.5	969.3	986.3	1003.8	1007.8	997.6	985.1	987.4	1004.4	1019.1	1021.3
77.5°	968.2	971.0	989.1	1007.2	1011.2	999.3	986.3	988.5	1006.1	1021.9	1024.2
80°	968.2	970.4	989.1	1008.3	1011.7	999.8	985.7	987.4	1005.5	1022.5	1024.7
82.5°	966.5	968.7	988.0	1007.2	1010.6	997.6	982.9	985.1	1003.8	1020.8	1023.6
85°	962.5	964.8	984.0	1003.8	1007.2	993.0	977.8	980.0	998.7	1016.8	1019.6
87.5°	956.8	959.7	978.3	998.1	1001.0	986.3	971.5	972.7	992.5	1011.2	1013.4
90°	950.0	952.9	970.4	990.2	993.0	978.3	963.1	964.8	984.0	1003.2	1005.5
92.5°	942.1	944.4	961.4	979.5	982.9	967.6	952.9	955.1	974.4	993.6	996.4
95°	931.9	933.6	949.5	966.5	969.3	955.7	941.0	943.3	962.5	981.2	984.0
97.5°	919.5	920.6	934.8	950.0	953.4	940.4	926.8	929.1	947.8	966.5	969.8
100°	905.3	905.9	918.4	931.4	934.2	923.5	911.0	913.8	931.4	950.6	952.9
102.5°	888.9	888.9	899.1	909.9	913.3	904.2	893.5	896.3	913.3	931.4	934.2
105°	870.8	869.1	876.5	885.0	888.9	882.1	874.2	876.5	892.3	909.9	913.3
107.5°	848.2	846.5	851.6	858.9	862.9	857.8	851.6	855.0	868.6	885.0	888.4
110°	822.7	820.5	822.7	828.4	832.9	829.5	826.1	829.0	842.0	857.2	859.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	793.3	790.5	791.0	795.0	799.0	798.4	796.1	800.7	811.4	823.9	826.7
115°	759.4	756.5	754.8	757.1	760.5	762.8	765.0	767.8	776.3	786.5	791.0
117.5°	723.7	719.2	716.4	716.4	720.3	724.3	728.2	732.2	737.9	747.5	749.2
120°	682.4	679.6	675.6	675.6	679.0	683.0	689.2	693.7	697.1	703.9	706.2
122.5°	641.7	637.7	633.7	633.7	636.0	641.7	650.2	654.1	655.8	659.8	661.5
125°	600.4	595.8	591.3	591.3	593.6	599.2	608.8	612.2	613.4	615.1	616.8
127.5°	558.5	554.0	550.0	548.3	551.7	556.2	565.8	570.4	570.9	570.9	572.1
130°	516.6	513.2	509.3	507.6	511.0	514.9	525.7	530.2	527.9	527.9	528.5
132.5°	477.0	473.6	469.6	468.5	470.8	475.9	485.5	489.5	487.8	485.5	486.1
135°	438.5	435.7	430.6	430.0	433.4	435.7	444.8	448.7	447.0	444.8	445.3
137.5°	401.7	398.9	394.4	393.8	397.2	400.0	406.8	410.8	408.5	406.3	406.8
140°	366.7	363.3	359.9	359.3	361.6	364.4	370.6	372.9	370.6	368.9	369.5
142.5°	333.8	331.6	327.6	327.6	328.8	331.0	336.1	338.4	336.1	333.8	332.7
145°	302.7	299.9	297.6	297.1	298.2	300.5	303.9	306.1	303.9	302.2	301.0
147.5°	275.0	272.7	270.5	270.5	271.0	272.7	275.6	276.1	274.4	273.3	272.2
150°	249.5	247.3	246.1	245.6	246.1	246.7	249.0	250.1	248.4	247.3	246.1
152.5°	226.3	224.6	223.5	224.1	224.1	224.6	225.2	225.8	224.1	224.1	222.9
155°	206.0	204.8	203.7	204.3	204.3	204.3	204.8	204.8	203.7	203.7	203.1
157.5°	189.0	187.9	187.3	187.9	187.9	187.3	187.9	187.9	186.7	186.7	186.2
160°	174.3	173.1	173.1	173.1	173.1	172.6	173.7	173.1	172.6	172.0	172.0
162.5°	162.4	161.3	161.3	161.8	161.3	161.3	161.3	161.3	160.7	160.7	160.1
165°	152.8	151.6	151.6	152.2	151.6	151.6	151.6	151.6	151.1	151.1	151.1
167.5°	144.9	144.3	144.3	144.3	144.3	143.7	144.3	144.3	143.7	143.7	143.7
170°	138.6	138.1	138.1	138.1	138.1	138.1	138.1	138.1	138.1	137.5	137.5
172.5°	134.7	134.1	134.1	134.1	134.1	134.1	134.1	134.1	133.5	133.5	133.5
175°	131.8	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3	130.7	130.7
177.5°	130.1	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.0	129.0
180°	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0

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

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



Point lies inside the ANSI 2700K 4-step quadrangle

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Photopic Flux vs. Wavelength

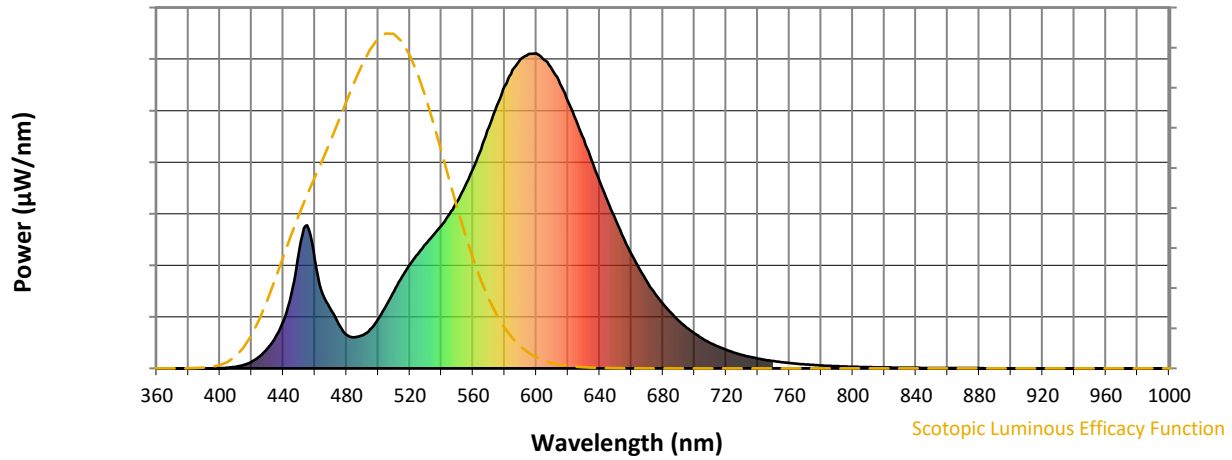


Photopic Lumens: NR

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



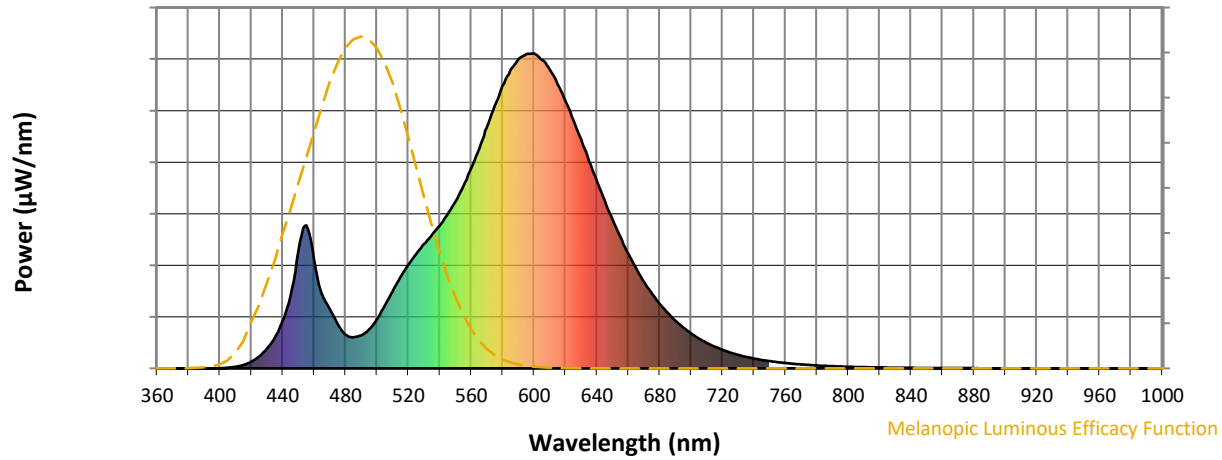
Scotopic Lumens: NR

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

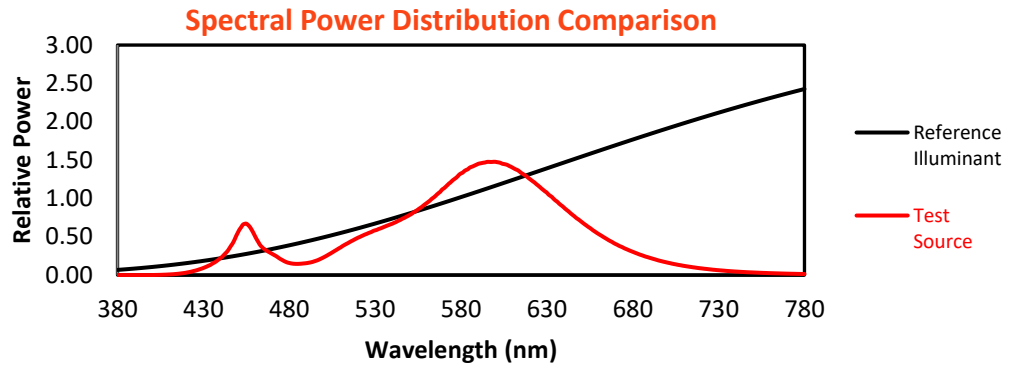
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	105	NR	620	849	NR	750	23	NR	880	1	NR
365	0	NR	495	124	NR	625	789	NR	755	20	NR	885	0	NR
370	0	NR	500	156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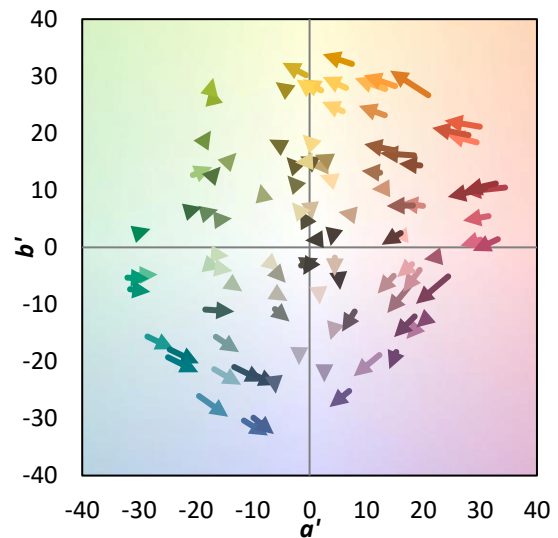
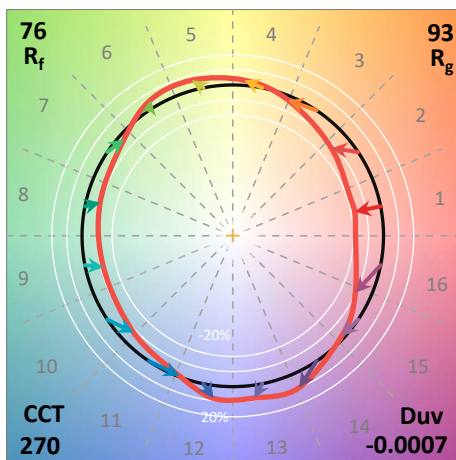
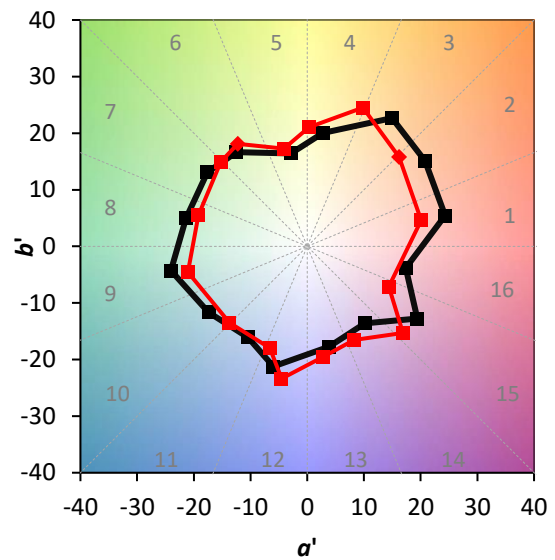
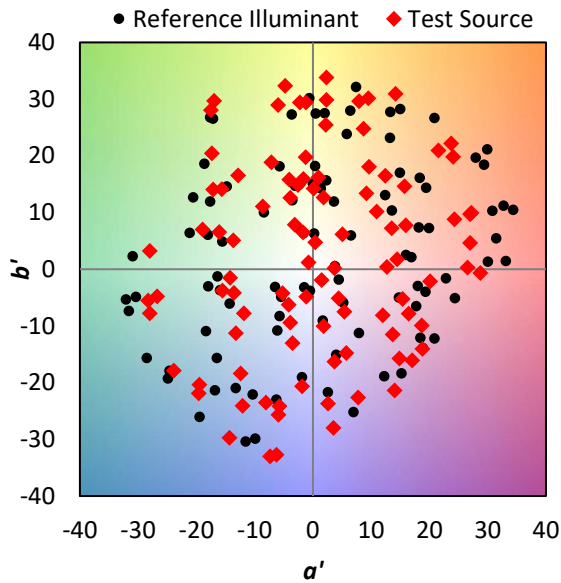
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Summary

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



Color Vector Graphics



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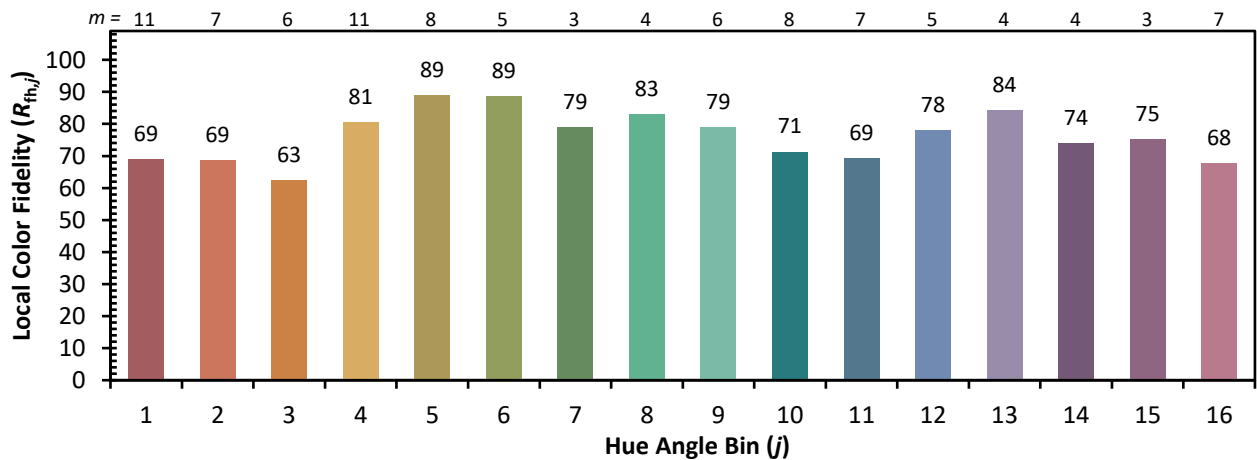
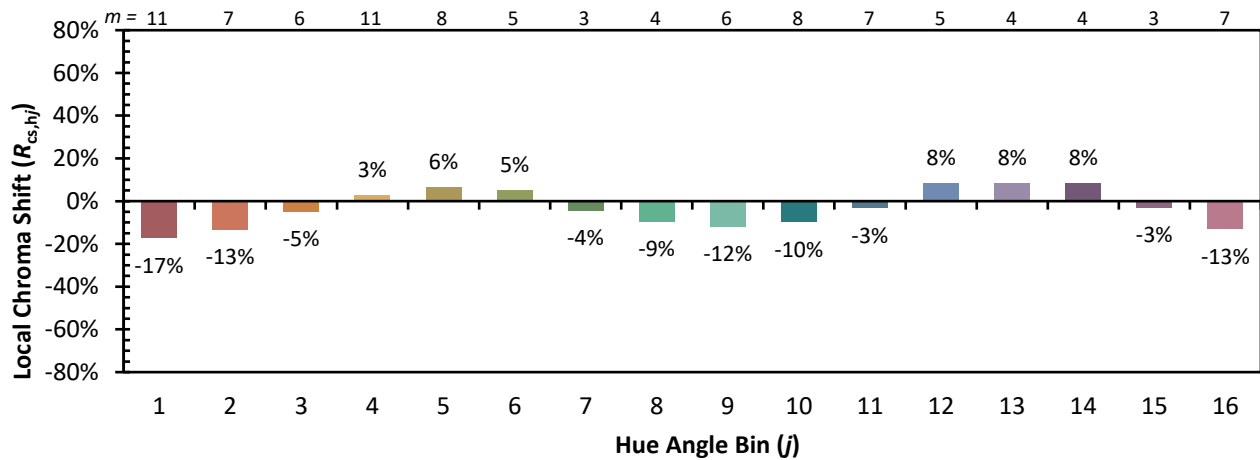
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Individual Sample Fidelity Index ($R_{f,i}$)

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	



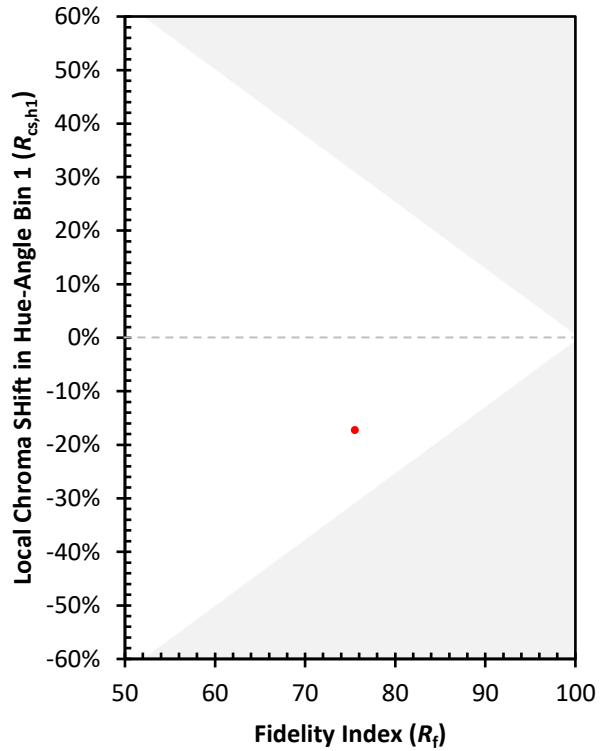
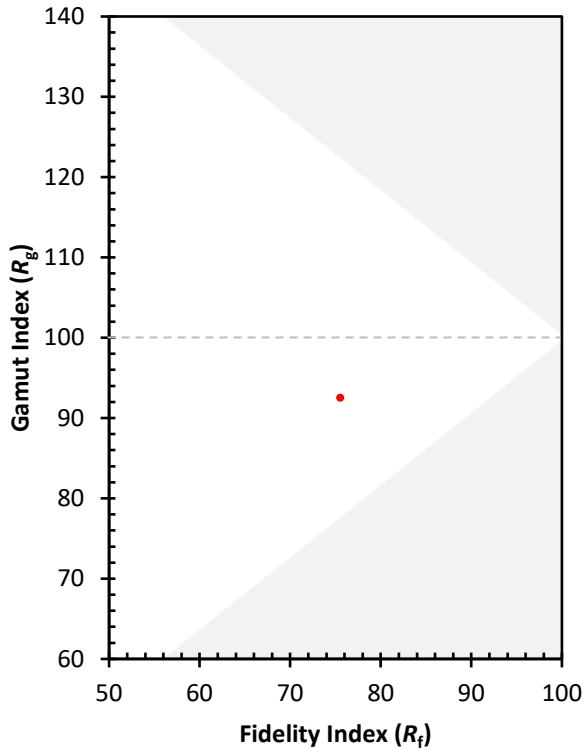
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)