

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: P856253

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

Issue Date: 07/16/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P856253  
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-PG  
Description: FAIRFAX POST TOP FIXTURE w/ PRISMATIC GLOBE  
Light Source: (6) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

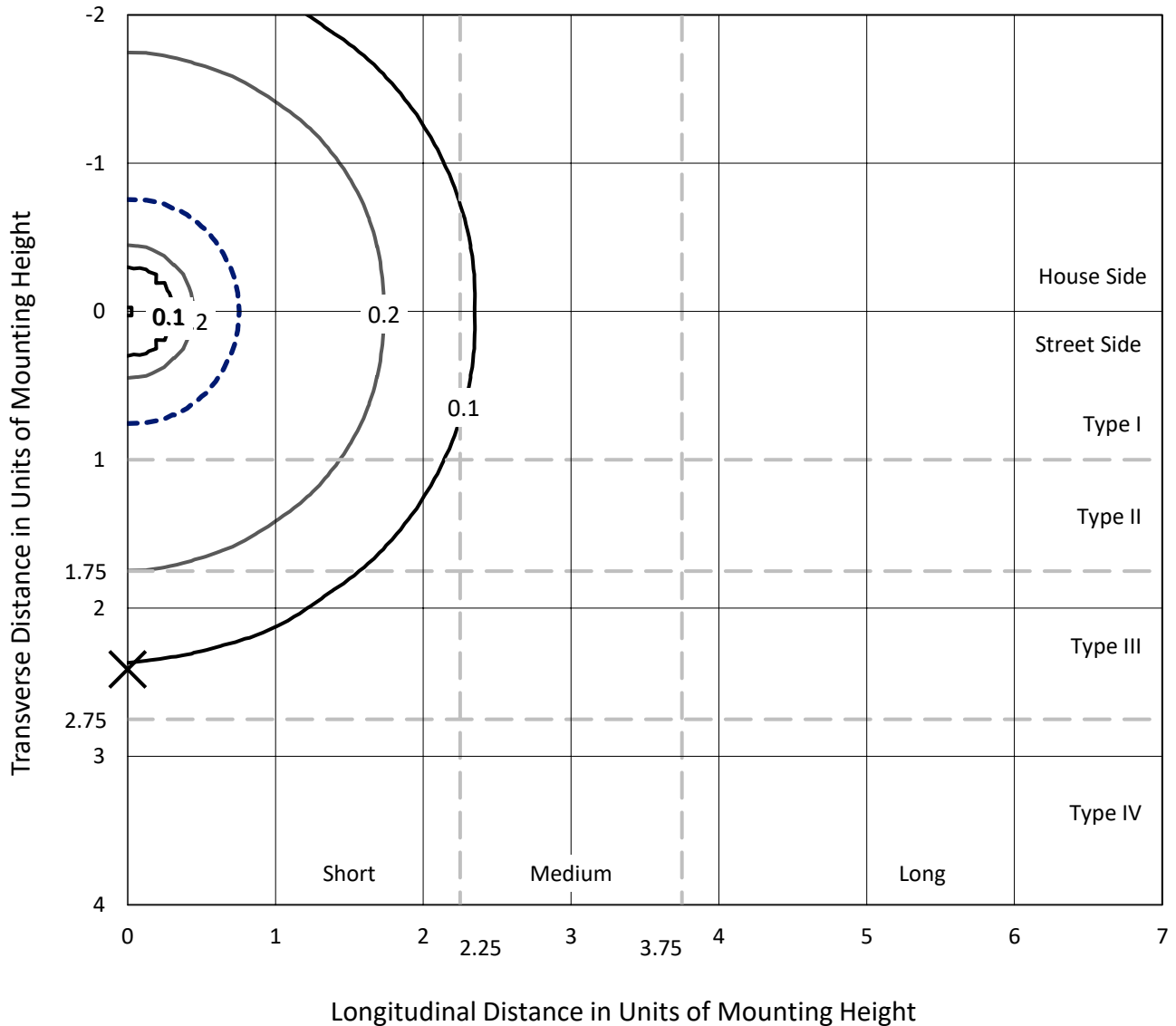
Lumens per Lamp: N/A  
Luminaire Lumens: 3028.1 lumens  
Efficiency: N/A  
Efficacy: 155.3 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 1.5')  
IES Classification: Type V - Short  
BUG Rating: B1 - U4 - G2

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

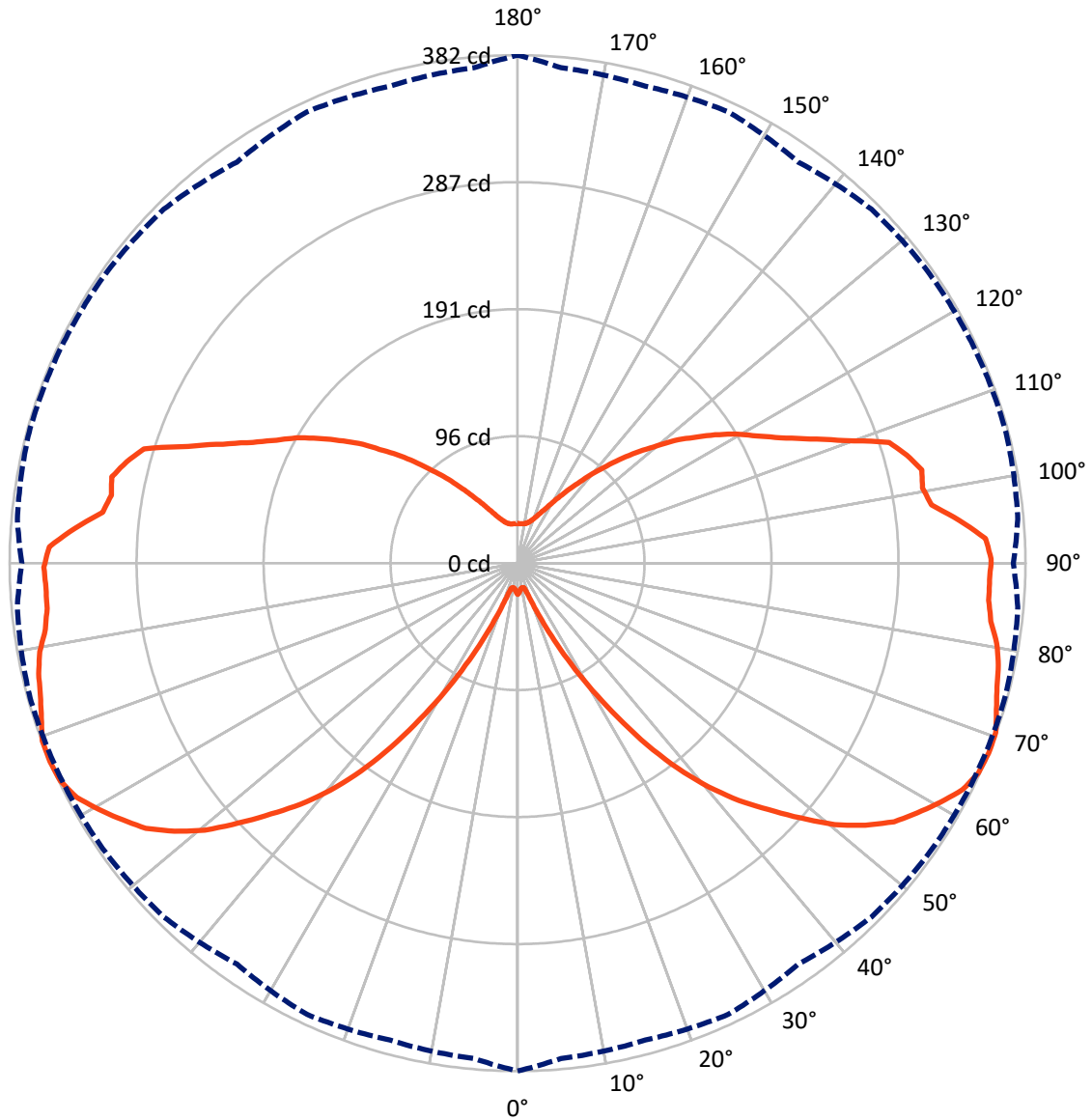
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 0.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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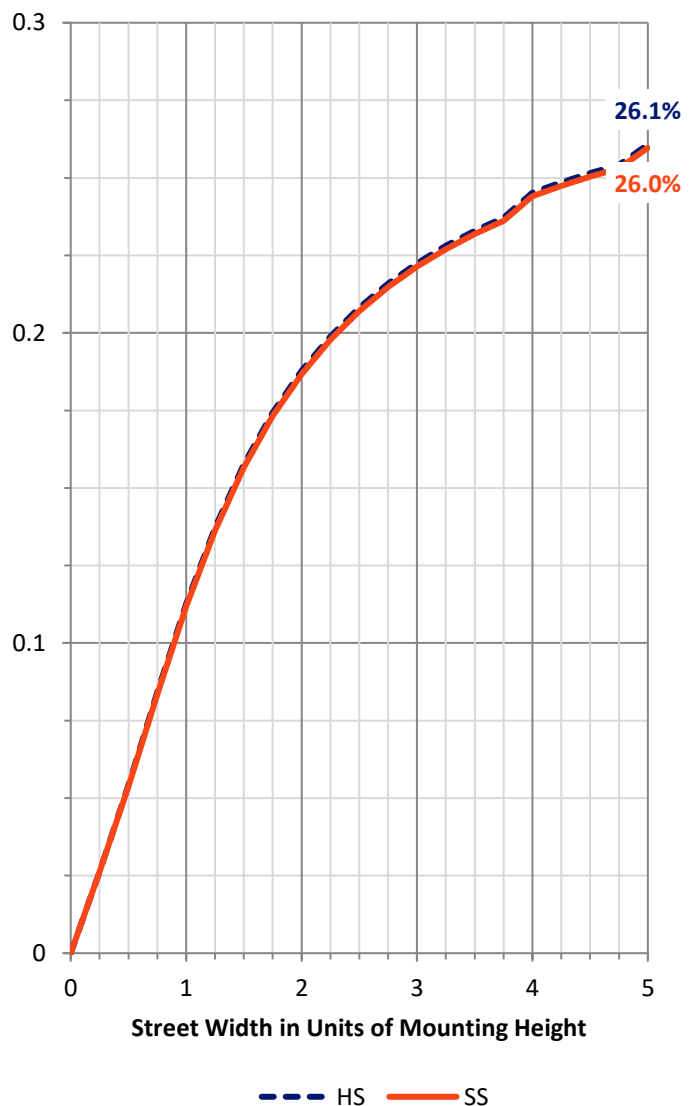
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	903.3	610.7	1514.0
	% Fixture	29.8	20.2	50.0
<b>Street Side</b>	Lumens	903.3	610.7	1514.0
	% Fixture	29.8	20.2	50.0
<b>Total</b>	Lumens	1806.7	1221.4	3028.1
	% Fixture	59.7	40.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.0	0.1
10°-20°	6.5	0.2
20°-30°	32.3	1.1
30°-40°	106.3	3.5
40°-50°	205.5	6.8
50°-60°	304.1	10.0
60°-70°	369.7	12.2
70°-80°	390.3	12.9
80°-90°	390.0	12.9
90°-100°	364.8	12.0
100°-110°	324.6	10.7
110°-120°	222.0	7.3
120°-130°	149.1	4.9
130°-140°	86.6	2.9
140°-150°	42.6	1.4
150°-160°	19.7	0.7
160°-170°	9.1	0.3
170°-180°	2.8	0.1
0°-90°	1806.7	59.7
0°-180°	3028.1	100.0



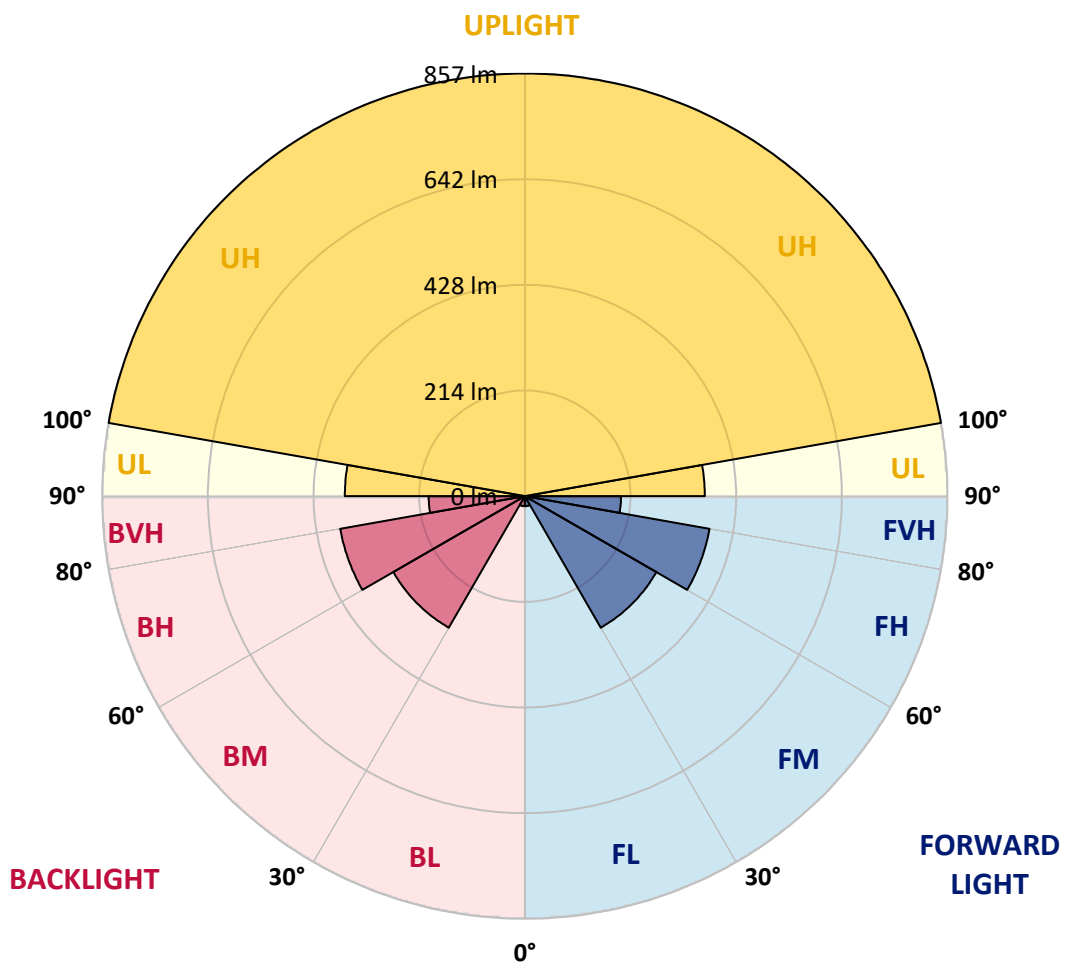
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	20.4	0.7			
FM (30°-60°)	307.9	10.2			
FH (60°-80°)	380.0	12.5			G0/660
FVH (80°-90°)	195.0	6.4			G2/225
BL (0°-30°)	20.4	0.7	B0/110		
BM (30°-60°)	307.9	10.2	B1/1000		
BH (60°-80°)	380.0	12.5	B1/500		G0/660
BVH (80°-90°)	195.0	6.4			G2/225
UL (90°-100°)	364.8	12.0		U3/500	
UH (100°-180°)	856.5	28.3		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°	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5
2.5°	22.5	22.3	22.2	22.0	22.2	22.3	22.7	22.9	22.9	22.9	22.9
5°	20.4	20.6	20.8	21.0	21.0	21.0	21.0	21.2	21.4	21.4	21.4
7.5°	19.3	19.3	19.5	20.1	20.2	20.1	20.1	20.2	19.7	19.1	18.9
10°	18.7	18.7	18.9	19.1	19.3	19.7	19.9	19.9	19.9	19.9	19.7
12.5°	18.9	18.7	18.9	19.1	19.5	19.7	19.3	19.3	19.7	20.1	20.2
15°	19.9	19.7	19.7	20.1	20.2	20.2	19.9	19.9	20.1	20.4	20.4
17.5°	24.1	23.7	23.5	23.7	23.5	23.7	23.5	23.9	23.9	23.7	23.5
20°	32.9	32.5	31.9	31.7	31.9	32.5	32.7	33.2	32.7	32.5	31.7
22.5°	46.6	46.0	45.7	45.7	46.2	46.6	46.4	47.2	46.8	46.6	45.8
25°	64.2	63.8	64.0	64.9	65.9	65.3	63.8	64.9	64.9	64.8	64.6
27.5°	86.1	84.8	85.4	87.9	88.6	87.1	85.4	86.7	87.3	87.5	87.5
30°	111.2	110.2	110.0	112.7	113.6	112.3	111.2	112.7	112.7	113.3	113.3
32.5°	138.3	137.7	136.8	138.3	139.8	139.4	139.4	140.6	140.2	140.8	141.0
35°	168.1	166.9	165.0	165.2	166.9	167.1	168.5	169.2	168.8	168.7	168.7
37.5°	196.2	194.6	192.9	192.0	194.1	193.9	196.9	196.9	196.2	196.4	196.4
40°	221.6	220.6	219.3	216.6	220.6	219.8	223.5	223.5	221.4	221.9	221.6
42.5°	244.3	244.3	242.8	238.8	243.0	242.2	247.0	247.0	244.1	243.9	243.3
45°	264.7	265.7	264.9	261.3	262.8	263.4	268.0	267.0	264.7	264.7	263.8
47.5°	286.7	287.7	285.0	281.2	282.9	283.8	288.0	287.7	286.3	284.6	284.6
50°	309.6	309.8	304.5	299.9	301.4	306.4	309.4	310.2	307.3	303.3	303.1
52.5°	327.8	328.9	323.8	318.8	319.9	325.7	329.1	329.3	325.7	319.9	321.7
55°	343.8	345.0	339.8	335.4	337.7	340.8	344.8	342.5	342.7	336.6	339.4
57.5°	354.7	358.5	349.9	349.0	351.1	354.7	356.4	355.8	357.0	351.3	352.2
60°	365.6	367.3	360.0	361.4	358.9	365.4	366.7	368.1	365.0	361.0	361.0
62.5°	375.9	371.7	366.5	369.8	363.1	371.3	372.8	374.4	371.1	367.3	368.1
65°	381.2	373.6	369.2	373.2	366.7	374.2	376.7	377.2	376.7	373.0	371.3
67.5°	382.4	374.4	371.7	374.9	368.5	376.7	379.0	380.1	380.7	378.0	373.2
70°	382.0	373.4	371.1	374.2	370.0	377.6	377.8	379.5	380.3	381.4	376.1
72.5°	376.9	369.4	368.8	371.5	367.7	372.7	372.8	374.9	373.8	377.4	374.8
75°	372.7	367.7	368.6	368.1	364.2	367.1	367.9	370.4	366.2	369.6	371.9
77.5°	370.0	367.3	369.6	366.5	362.5	364.4	365.6	368.5	362.1	365.0	371.7
80°	365.8	365.0	367.9	363.3	359.9	361.6	363.5	366.0	359.1	361.0	370.6
82.5°	358.9	359.5	362.1	356.8	354.5	356.4	358.7	362.5	355.5	356.6	366.7
85°	355.8	358.3	359.7	354.3	351.6	352.8	355.3	359.3	351.8	353.6	363.9
87.5°	355.5	358.5	359.5	354.9	352.6	354.3	355.5	361.2	353.2	355.3	365.8
90°	356.6	357.8	358.3	354.3	352.4	355.1	355.3	362.3	354.3	354.9	364.2
92.5°	352.8	353.0	354.1	350.5	350.3	352.2	351.8	357.8	349.0	347.6	355.7
95°	334.3	332.7	335.2	333.3	337.3	340.2	343.4	350.9	346.5	347.6	354.5
97.5°	314.6	315.0	315.7	312.7	312.1	313.2	314.6	318.4	317.1	318.2	324.7
100°	310.0	311.3	311.1	309.6	303.3	302.0	299.1	295.1	289.8	290.5	291.5
102.5°	312.3	315.9	316.5	318.6	318.6	317.6	319.7	318.0	319.0	324.5	321.5
105°	304.1	308.3	311.0	313.2	317.6	321.3	331.0	336.9	341.7	348.4	347.4
107.5°	294.1	296.3	298.2	298.2	297.0	296.4	301.8	302.7	301.4	303.1	303.3
110°	263.2	263.0	264.9	264.2	264.7	261.7	263.2	268.4	267.2	270.7	271.2



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

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	239.1	239.1	240.5	238.6	238.8	236.3	237.2	240.7	240.9	243.7	245.3
115°	218.9	218.5	220.4	218.9	217.2	216.6	217.6	219.7	220.2	222.1	225.2
117.5°	203.8	201.9	203.4	203.6	204.4	202.8	205.1	206.5	207.2	208.8	211.3
120°	191.4	189.5	190.1	192.0	194.3	191.0	193.5	194.6	195.2	195.8	196.9
122.5°	177.3	175.9	175.3	179.2	180.5	177.6	179.0	180.7	181.6	182.6	183.6
125°	162.9	161.8	161.2	164.6	166.0	163.7	165.6	168.1	167.7	169.8	167.9
127.5°	149.9	149.6	148.8	150.5	151.5	151.3	153.0	156.1	154.7	156.6	154.5
130°	134.5	136.0	134.9	137.0	137.1	138.7	139.2	142.1	140.8	141.2	139.8
132.5°	121.9	122.4	121.9	122.6	123.2	123.2	124.7	127.8	125.7	125.5	124.3
135°	109.1	109.3	108.5	109.6	110.0	109.1	110.6	112.9	111.7	111.2	111.2
137.5°	96.5	96.3	96.5	96.8	97.2	97.0	97.8	99.5	99.1	98.4	99.3
140°	85.8	85.2	85.4	85.6	85.4	85.4	86.1	87.7	87.7	86.7	87.7
142.5°	75.1	74.9	74.9	74.9	74.9	75.3	76.0	76.4	76.8	76.0	75.8
145°	66.1	65.9	65.7	65.7	65.7	65.9	66.7	66.5	67.2	66.5	65.9
147.5°	58.1	58.3	57.9	57.7	57.5	58.1	58.3	58.6	59.0	58.6	58.1
150°	51.6	51.4	51.4	51.0	51.0	51.6	51.4	51.8	52.1	52.0	51.8
152.5°	45.8	45.8	45.8	45.5	45.7	46.0	46.0	46.0	46.4	46.4	46.2
155°	41.3	41.3	41.3	41.1	41.1	41.4	41.4	41.4	41.6	41.6	41.6
157.5°	37.8	37.8	37.6	37.6	37.6	37.8	37.6	37.6	37.8	37.8	37.8
160°	35.1	35.1	35.0	35.0	34.8	35.0	34.8	34.8	35.0	35.0	35.0
162.5°	33.0	33.0	32.9	32.9	32.9	32.9	32.9	32.7	32.7	32.9	32.7
165°	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.3	31.3	31.3	31.3
167.5°	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
170°	30.0	30.0	30.0	30.2	30.2	30.2	30.0	30.0	30.2	30.2	30.0
172.5°	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
175°	29.8	29.8	29.8	29.8	29.8	29.8	29.6	29.8	29.8	29.8	29.8
177.5°	29.8	29.6	29.6	29.8	29.8	29.6	29.6	29.6	29.6	29.6	29.6
180°	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8



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**

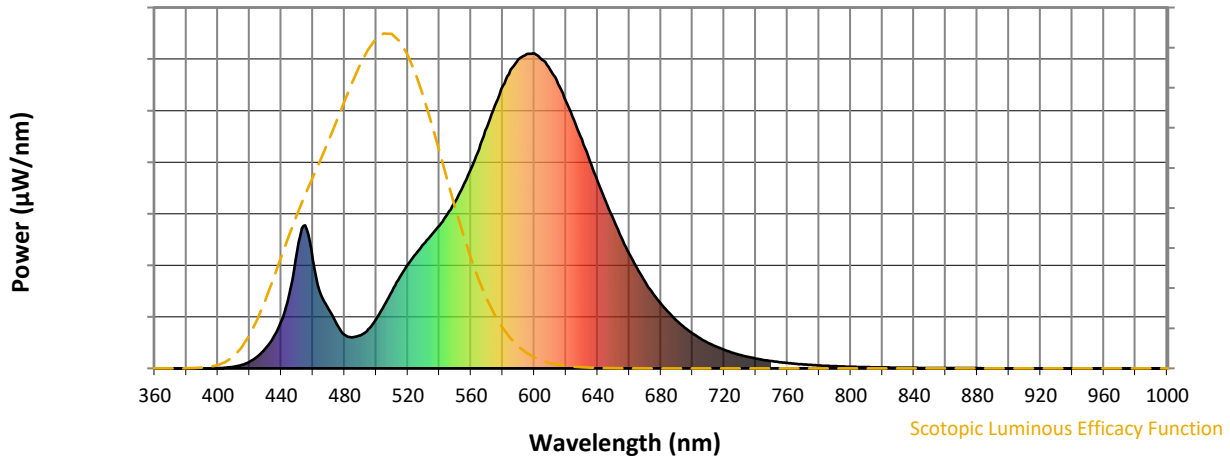


**Photopic Lumens: NR**

λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /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**



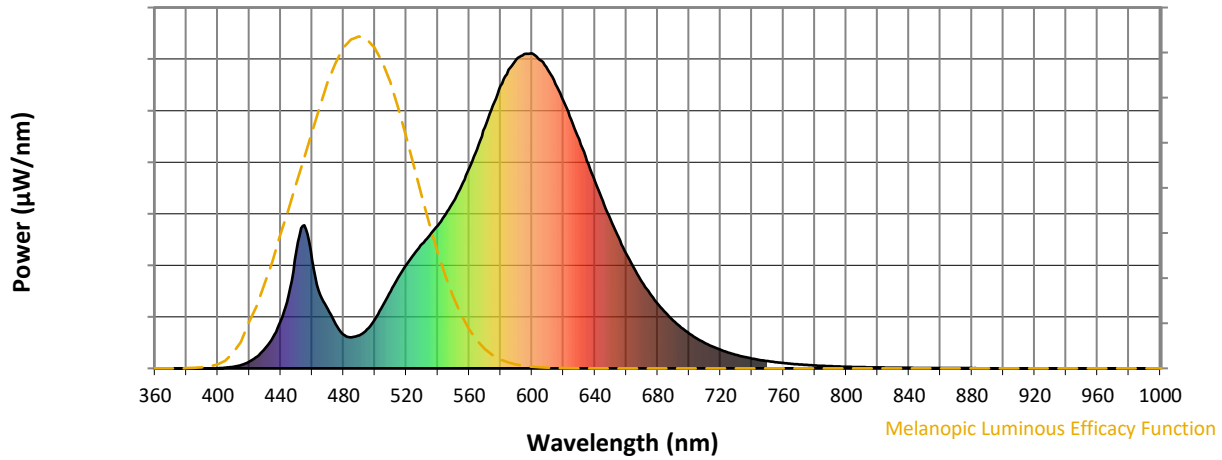
**Scotopic Lumens: NR**

**S/P: 1.12**

λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /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

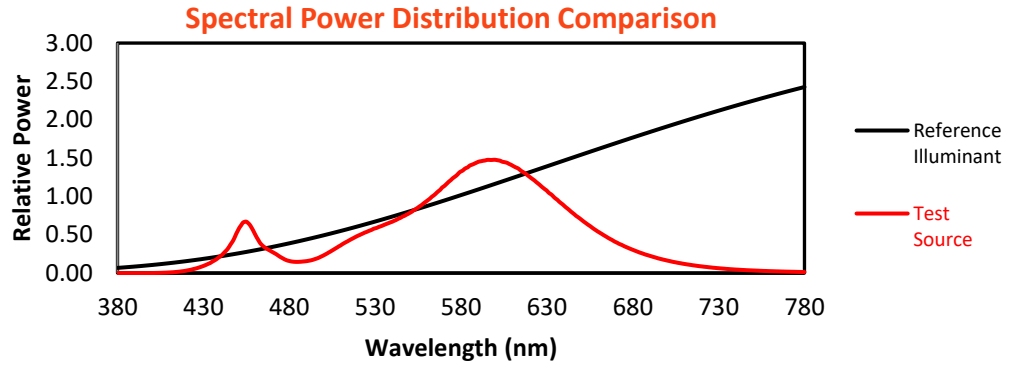
λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	105	NR	620	849	NR	750	23	NR	880	1	NR
365	0	NR	495	124	NR	625	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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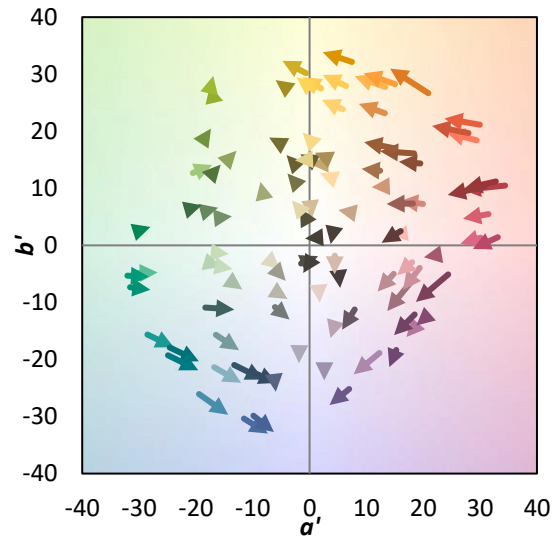
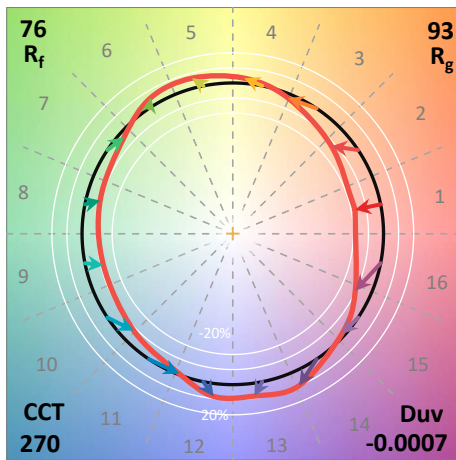
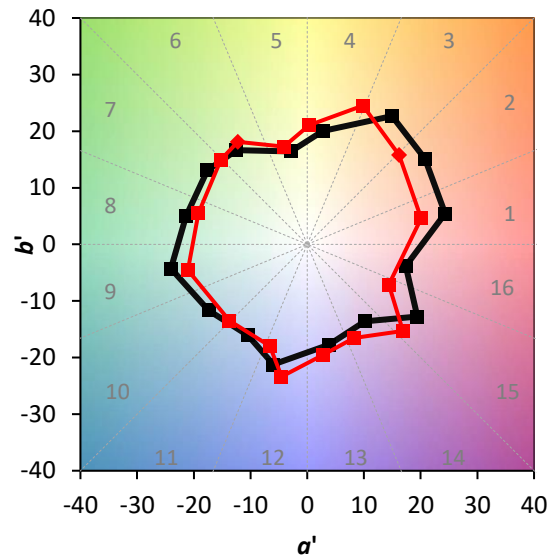
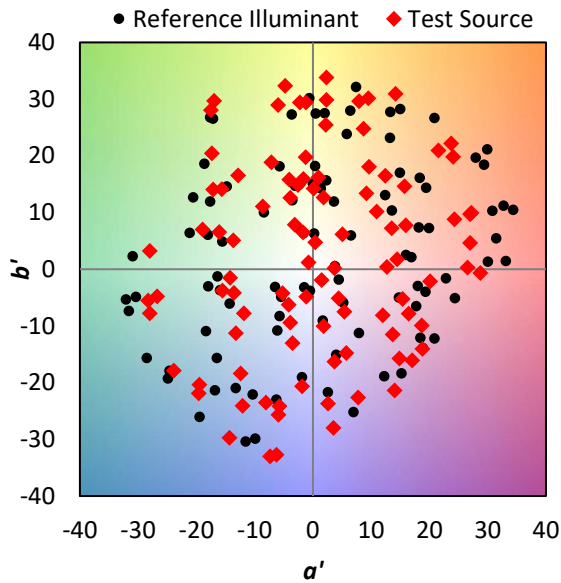
TM-30-18

**Summary**

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



**Color Vector Graphics**



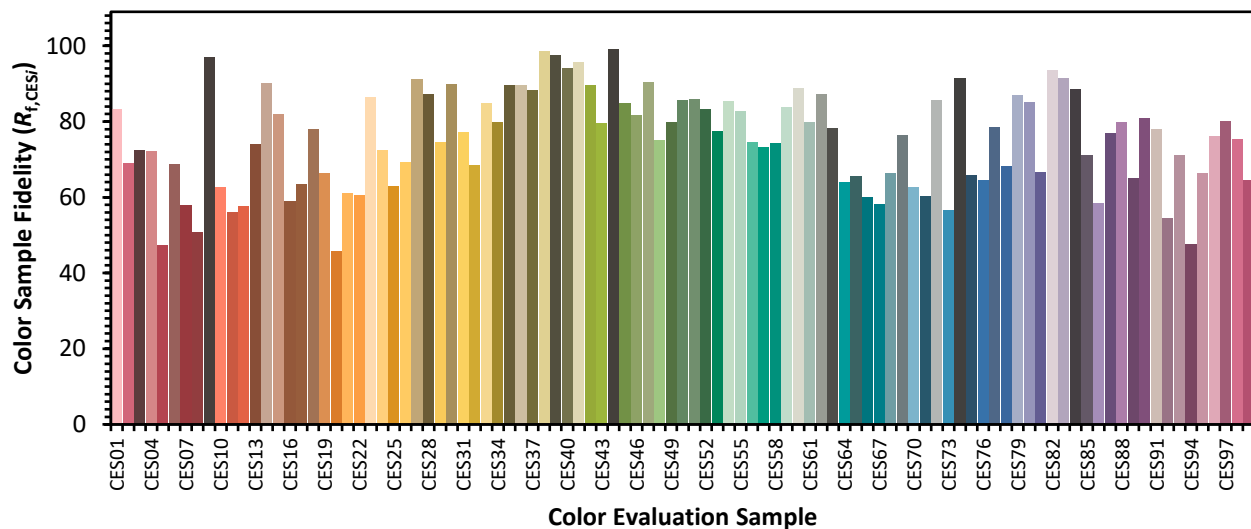


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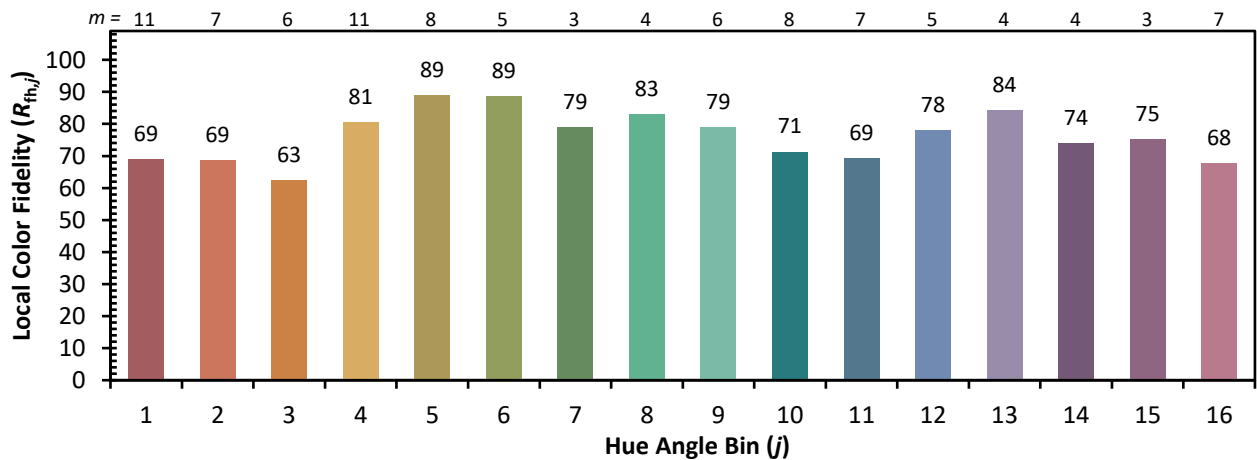
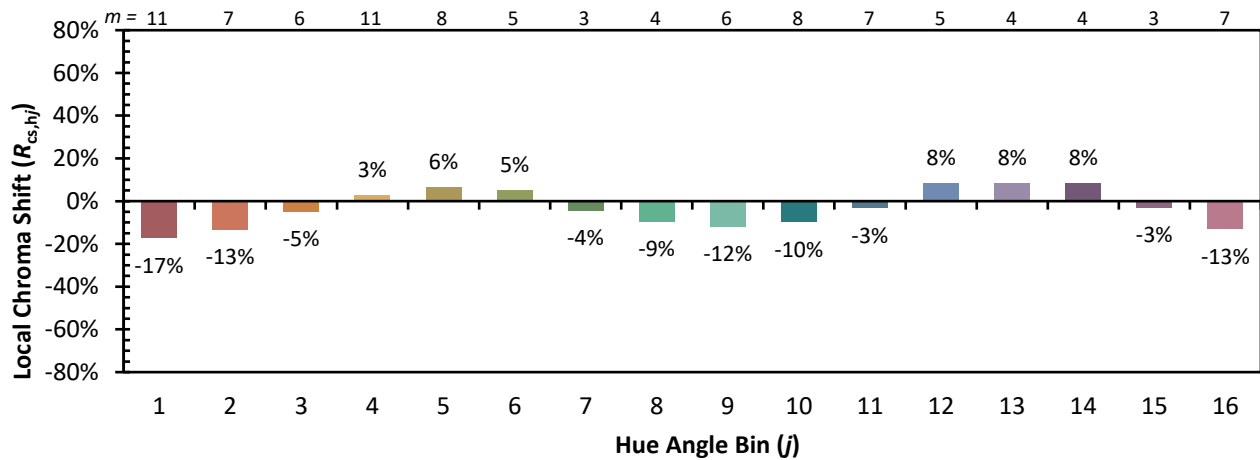
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**Individual Sample Fidelity Index ( $R_{f,i}$ )**

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	



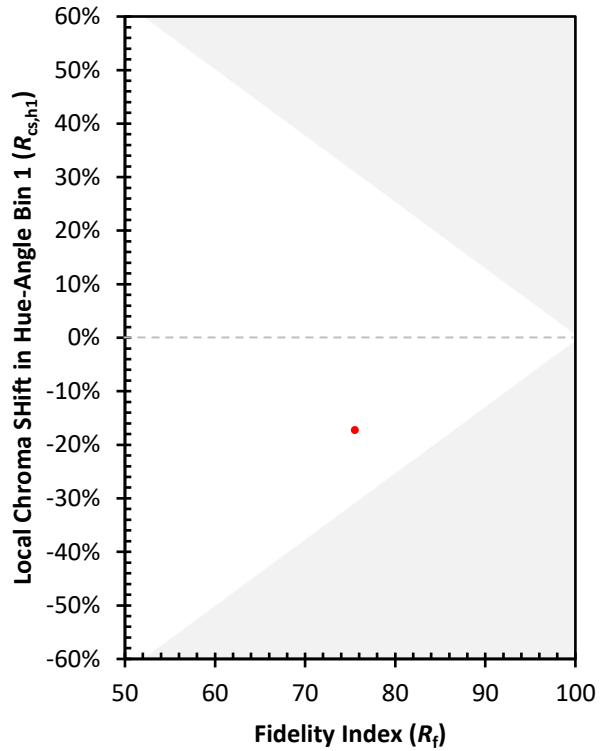
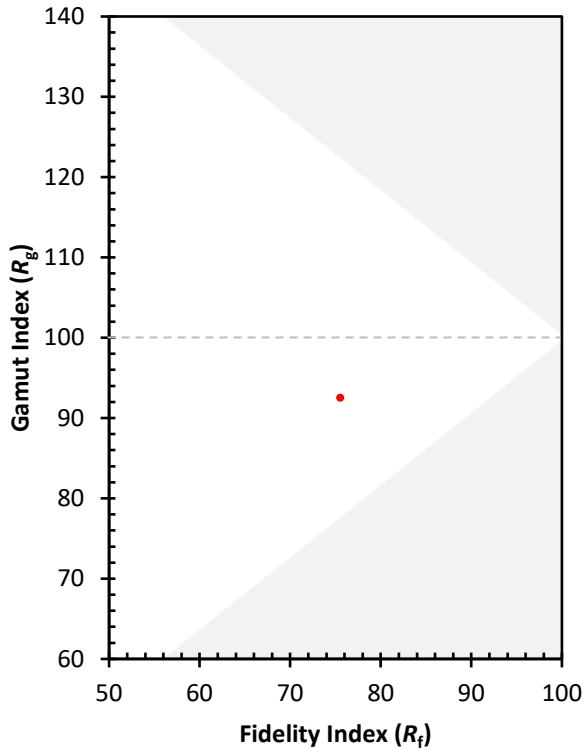
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)