

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: P856406

Luminaire Tested: **FFX-CLB-20-740-U-VM9**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856406
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-20-740-U-VM9
Description: FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK
Light Source: (6) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

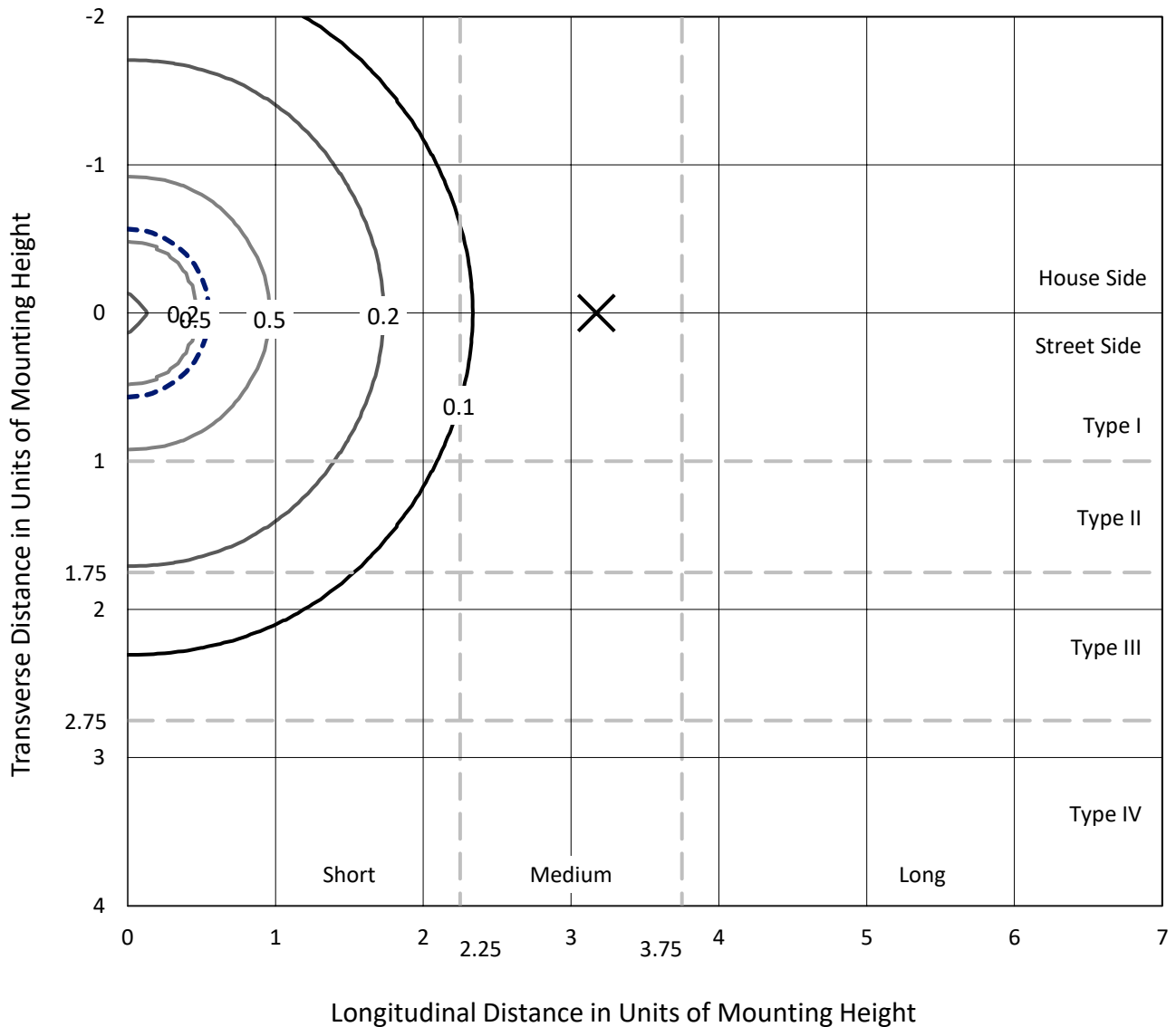
Lumens per Lamp: N/A
Luminaire Lumens: 3271.8 lumens
Efficiency: N/A
Efficacy: 167.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification: Type V - Short
BUG Rating: B1 - U4 - G2

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

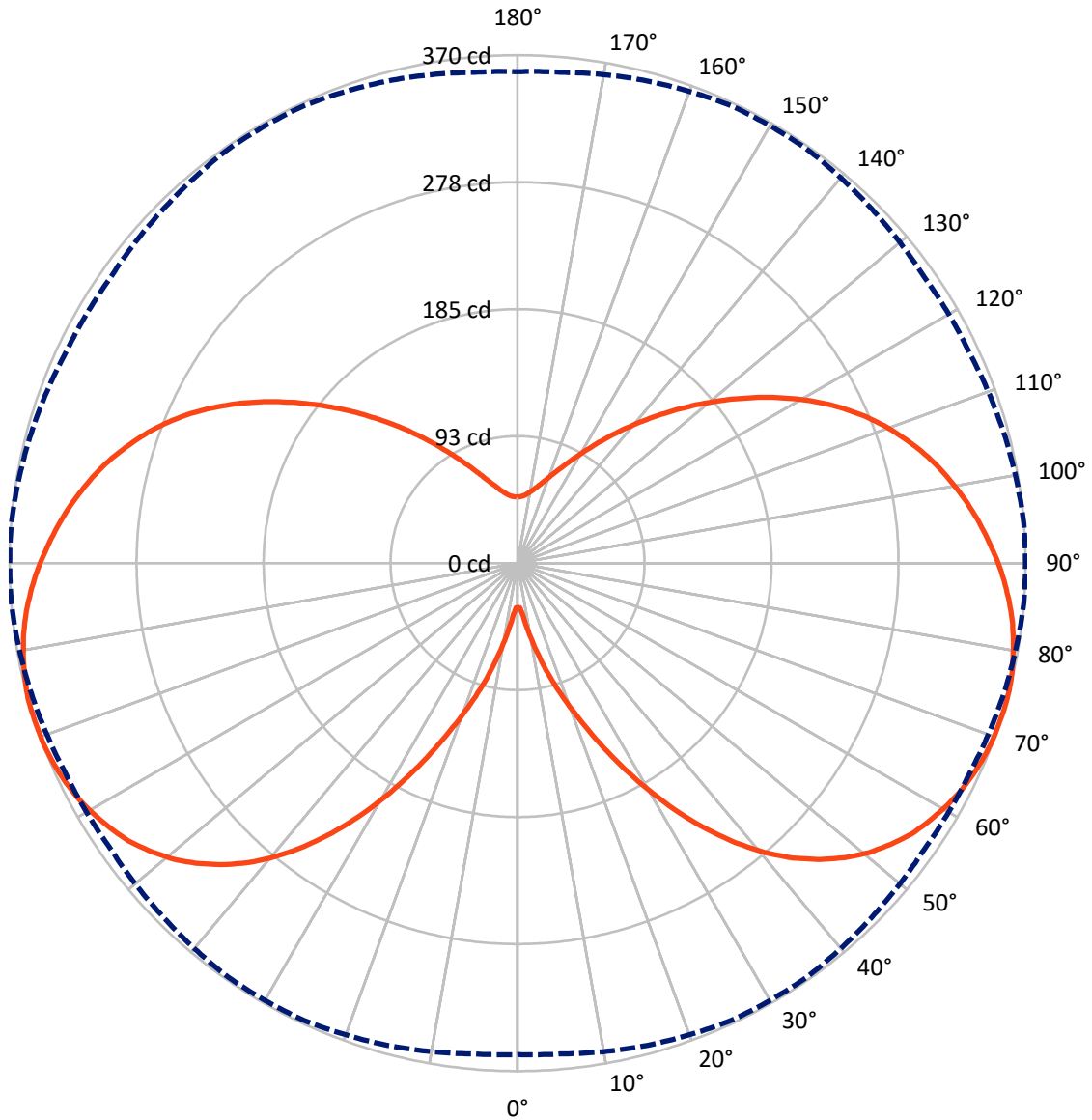
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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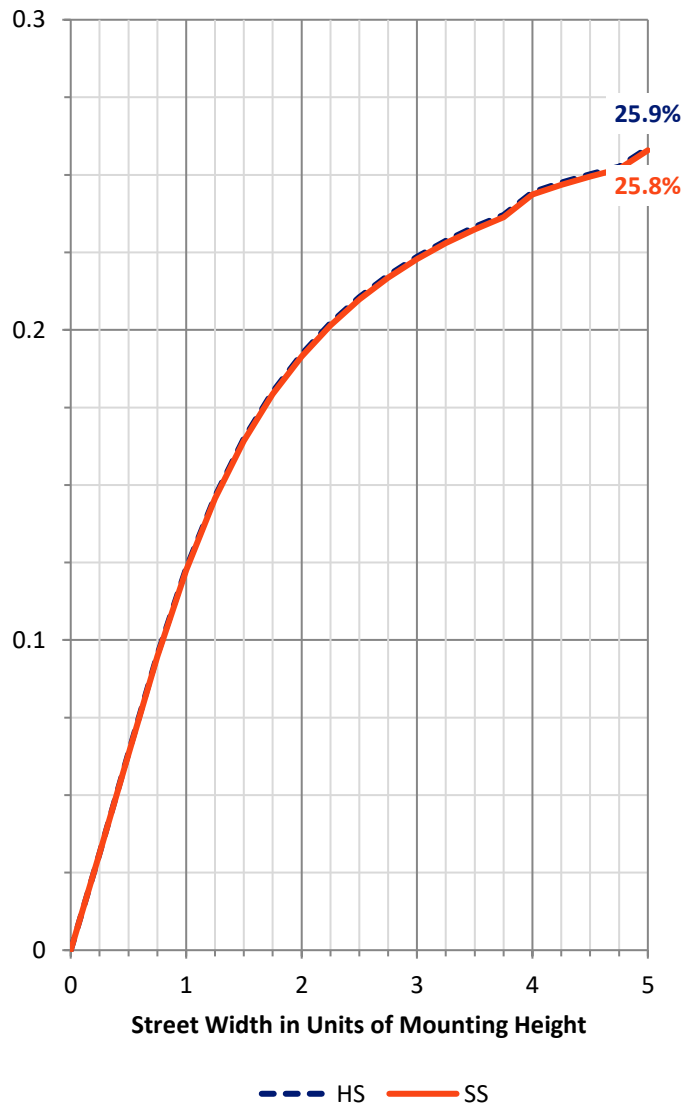
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	958.3	677.6	1635.9
	% Fixture	29.3	20.7	50.0
Street Side	Lumens	958.3	677.6	1635.9
	% Fixture	29.3	20.7	50.0
Total	Lumens	1916.6	1355.3	3271.8
	% Fixture	58.6	41.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.2	0.1
10°-20°	24.5	0.8
20°-30°	70.9	2.2
30°-40°	147.5	4.5
40°-50°	234.1	7.2
50°-60°	307.3	9.4
60°-70°	358.3	11.0
70°-80°	384.9	11.8
80°-90°	384.7	11.8
90°-100°	360.1	11.0
100°-110°	316.0	9.7
110°-120°	254.1	7.8
120°-130°	182.5	5.6
130°-140°	117.3	3.6
140°-150°	68.1	2.1
150°-160°	35.7	1.1
160°-170°	16.6	0.5
170°-180°	4.8	0.1
0°-90°	1916.6	58.6
0°-180°	3271.8	100.0



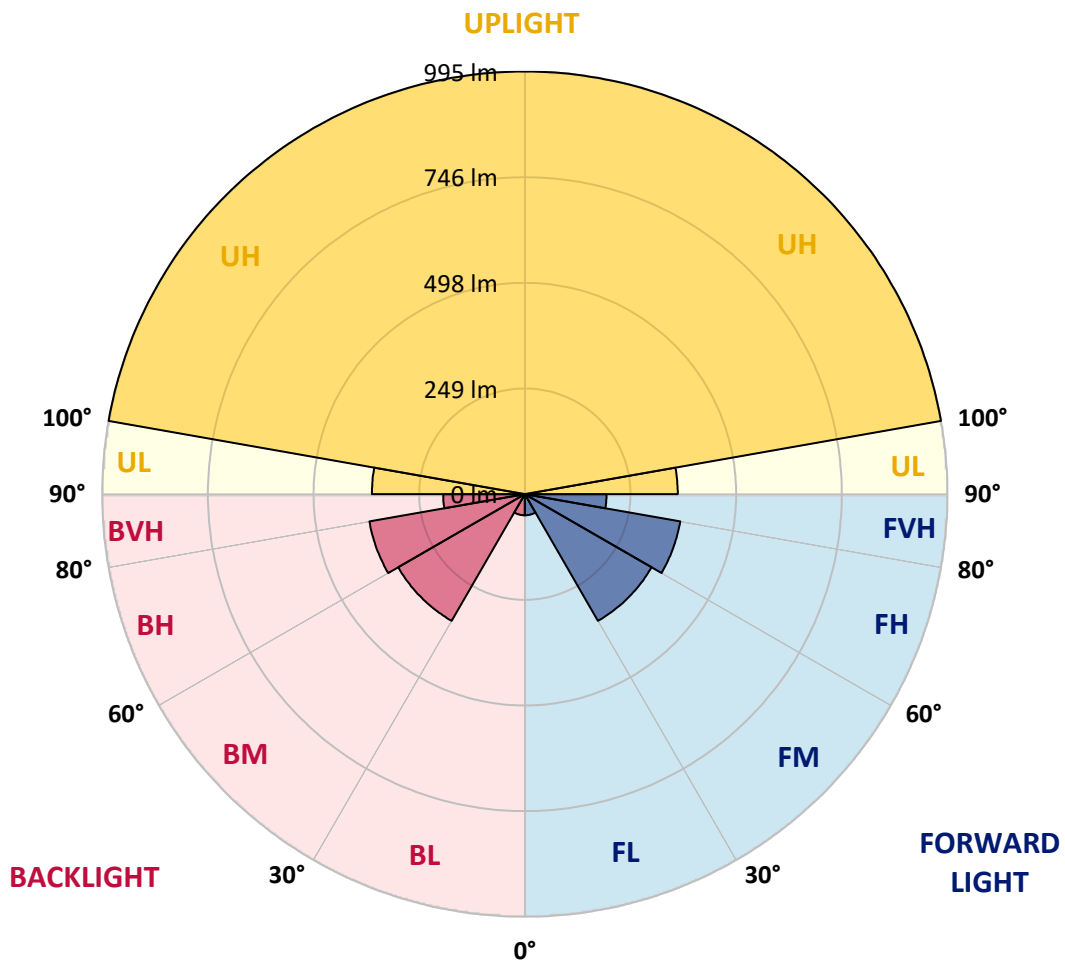
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	49.8	1.5			
FM (30°-60°)	344.5	10.5			
FH (60°-80°)	371.6	11.4			G0/660
FVH (80°-90°)	192.4	5.9			G2/225
BL (0°-30°)	49.8	1.5	B0/110		
BM (30°-60°)	344.5	10.5	B1/1000		
BH (60°-80°)	371.6	11.4	B1/500		G0/660
BVH (80°-90°)	192.4	5.9			G2/225
UL (90°-100°)	360.1	11.0		U3/500	
UH (100°-180°)	995.1	30.4		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°	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
2.5°	33.7	33.7	33.5	33.5	33.3	33.1	33.1	32.9	32.6	32.6	32.6
5°	37.5	37.3	37.3	37.3	37.3	37.1	37.3	37.1	37.1	37.1	37.3
7.5°	45.7	45.5	45.5	45.5	45.7	45.7	45.9	46.1	46.3	46.3	46.3
10°	56.4	56.2	56.2	56.0	56.4	56.4	56.7	56.2	56.9	56.9	57.1
12.5°	69.1	68.9	68.9	68.7	69.1	68.9	69.3	68.9	69.9	69.5	69.5
15°	82.8	82.8	82.6	82.3	83.0	83.0	83.4	83.4	84.0	83.6	83.8
17.5°	97.3	97.1	97.1	96.9	97.5	97.5	97.5	97.9	98.8	97.9	98.6
20°	112.9	112.7	112.7	112.5	113.1	113.1	113.5	113.7	114.6	113.9	114.4
22.5°	129.7	129.5	129.5	129.5	130.4	130.6	130.6	131.2	132.3	131.2	132.0
25°	148.5	148.3	148.3	148.9	149.5	149.7	150.2	151.0	152.1	151.0	152.1
27.5°	168.5	168.3	168.7	169.5	170.2	170.6	171.2	171.4	172.9	171.9	173.3
30°	189.1	188.9	189.3	190.4	191.2	192.5	192.5	193.1	195.2	193.8	195.2
32.5°	209.5	209.3	210.0	211.2	212.5	213.8	214.0	214.8	216.9	215.9	217.3
35°	229.8	229.6	230.4	232.1	233.3	234.6	235.0	235.9	238.2	237.1	238.6
37.5°	248.9	248.9	249.8	251.7	253.1	254.8	254.6	255.7	257.8	257.1	258.6
40°	266.8	266.8	267.9	270.2	271.9	272.9	272.7	273.8	276.1	275.9	277.2
42.5°	283.1	283.1	284.5	286.8	288.5	289.2	289.2	290.2	292.7	292.5	293.8
45°	296.7	297.4	299.1	301.6	303.1	303.7	303.3	304.3	307.1	307.1	308.1
47.5°	309.4	310.2	311.9	314.4	315.5	316.1	315.7	316.5	319.3	319.7	320.7
50°	320.3	321.0	323.1	325.8	326.9	326.9	326.2	327.1	330.0	330.9	331.7
52.5°	329.8	330.4	332.8	335.7	336.3	336.1	335.3	336.1	339.1	339.9	340.5
55°	337.4	338.0	340.8	343.7	344.3	343.7	342.4	343.5	346.2	347.5	348.5
57.5°	343.5	344.1	347.3	350.2	350.9	349.6	348.1	349.2	352.3	353.8	354.2
60°	348.5	349.2	352.5	355.7	356.1	354.7	353.0	354.0	357.2	358.9	359.3
62.5°	352.5	353.2	356.8	360.3	360.6	358.7	356.8	357.8	361.0	362.9	363.5
65°	355.3	355.9	359.9	363.5	363.9	361.6	359.7	360.8	363.7	366.0	366.4
67.5°	357.2	357.8	362.2	366.0	366.2	363.7	361.6	362.4	365.8	368.1	368.6
70°	358.0	358.7	363.3	367.3	367.5	364.8	362.2	363.3	366.7	369.4	369.8
72.5°	358.2	359.1	363.9	367.9	368.1	365.0	362.4	363.3	366.9	370.0	370.2
75°	357.4	358.4	363.5	367.7	367.7	364.1	361.4	362.2	366.2	369.6	370.2
77.5°	356.3	357.0	362.2	366.4	366.2	362.4	359.3	360.6	364.6	368.3	368.8
80°	354.0	354.9	360.1	364.1	363.7	359.5	356.6	357.8	362.0	366.0	366.4
82.5°	351.1	351.9	357.2	360.8	360.3	355.9	353.0	354.4	358.9	363.1	363.5
85°	347.5	348.3	353.4	356.8	356.1	351.7	348.8	350.0	354.9	359.1	359.5
87.5°	342.9	343.7	348.8	351.7	351.1	346.4	343.9	345.6	350.0	354.4	354.7
90°	337.6	338.6	343.1	345.8	345.0	340.8	338.4	340.1	344.5	348.8	349.2
92.5°	332.3	332.8	337.0	339.3	338.6	334.9	332.8	334.6	338.6	342.9	342.9
95°	326.0	326.6	330.4	332.3	331.7	328.5	326.6	328.8	332.3	336.3	336.5
97.5°	319.3	319.9	323.1	325.0	324.3	321.6	320.3	322.4	325.6	329.4	329.6
100°	312.1	312.5	315.3	317.0	316.3	314.2	313.4	315.5	318.4	322.0	322.0
102.5°	304.1	304.5	306.6	307.7	307.5	305.8	305.8	308.1	310.4	313.8	314.2
105°	295.7	296.1	297.6	298.2	298.0	297.4	297.8	300.1	302.0	305.0	305.4
107.5°	286.2	286.6	287.5	287.7	287.7	287.7	289.2	291.3	293.4	295.5	295.7
110°	276.1	276.3	276.9	276.7	276.7	277.2	279.3	281.6	283.3	285.4	285.6



REPORT NUMBER: P856406
 CATALOG NUMBER: FFX-CLB-20-740-U-VM9

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	265.1	265.4	265.8	264.9	265.1	266.0	268.7	271.3	272.3	274.4	274.4
115°	253.6	253.4	253.8	252.7	252.5	254.0	256.9	259.9	260.7	262.2	262.4
117.5°	240.9	241.1	240.9	239.7	239.5	241.6	244.3	247.0	248.1	249.8	249.4
120°	227.9	227.7	227.9	226.4	226.2	228.5	231.2	234.0	234.6	236.1	235.7
122.5°	214.6	214.4	214.2	212.7	212.7	214.6	218.0	220.7	220.3	222.0	221.8
125°	200.9	200.9	200.5	199.0	199.0	201.3	204.1	206.6	206.2	208.1	207.4
127.5°	187.4	187.4	187.0	185.8	185.8	187.9	190.4	192.9	192.3	194.0	193.3
130°	174.2	174.2	173.7	172.5	172.5	174.2	176.9	179.0	178.2	179.6	179.4
132.5°	161.5	161.3	161.1	159.8	160.1	161.7	163.8	165.7	164.9	166.6	166.0
135°	149.3	149.1	148.9	147.6	147.8	149.5	151.4	152.9	152.3	153.3	153.1
137.5°	137.7	137.5	137.3	136.3	136.5	137.7	139.6	140.9	140.1	141.5	140.9
140°	126.8	126.6	126.2	125.5	125.7	127.0	128.0	129.5	128.7	129.9	129.3
142.5°	116.3	116.3	115.8	115.2	115.4	116.7	117.5	118.6	117.7	118.8	118.4
145°	106.6	106.6	106.1	105.7	105.7	106.8	107.4	108.5	107.6	108.7	108.2
147.5°	97.7	97.7	97.3	96.9	96.9	97.9	98.4	99.2	98.4	99.2	98.8
150°	89.5	89.5	89.3	88.9	89.1	89.5	89.9	90.6	89.9	90.6	90.3
152.5°	82.3	82.3	82.1	81.9	81.7	82.3	82.6	83.2	82.6	83.2	82.8
155°	76.0	75.8	75.8	75.4	75.4	75.8	76.0	76.4	75.8	76.4	76.2
157.5°	70.3	70.3	70.1	69.9	69.9	70.1	70.3	70.6	70.1	70.8	70.3
160°	65.5	65.5	65.3	65.1	65.1	65.3	65.3	65.5	65.1	65.5	65.3
162.5°	61.3	61.3	61.1	61.1	60.9	61.1	61.3	61.3	61.1	61.3	61.1
165°	57.9	57.9	57.7	57.5	57.5	57.7	57.7	57.9	57.5	57.7	57.7
167.5°	54.8	54.8	54.8	54.5	54.3	54.5	54.5	54.5	54.3	54.5	54.5
170°	52.4	52.4	52.4	52.2	52.0	52.2	52.2	52.2	52.0	52.2	52.2
172.5°	50.5	50.5	50.5	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
175°	49.3	49.3	49.3	49.3	49.1	49.3	49.3	49.3	49.3	49.3	49.1
177.5°	48.6	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
180°	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2

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

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2406-133-1

Test Date: 07/11/2024

Luminaire Tested: FFX-CLB-100-740-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-740-U-FR-T5.

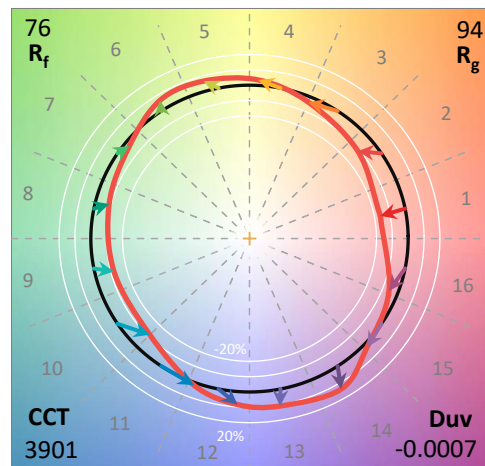
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2406-133-1
 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-100-740-U-FR-T5**
 Description: FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K): 3901
 CIE u': 0.2273
 CIE v': 0.5026
 Duv: -0.0007
 CIE x: 0.3844
 CIE y: 0.3776
 CIE z: 0.2380
 Peak Wavelength (nm): 451
 Dominant Wavelength (nm): 579
 Purity: 28.6799
 R_f: 76.2
 R_g: 94.4

CRI (Ra):	74.5		
R1:	71.8	R9:	-23.4
R2:	81.9	R10:	56.6
R3:	89.3	R11:	68.4
R4:	72.6	R12:	46.6
R5:	71.3	R13:	73.7
R6:	74.0	R14:	93.9
R7:	81.5	R15:	65.1
R8:	53.3		



Test Conditions

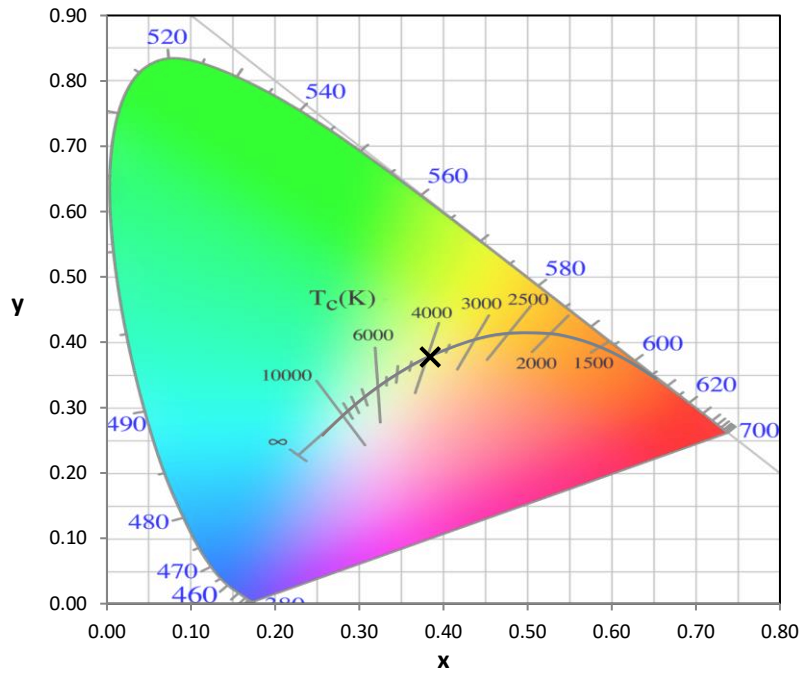
Stabilization Time: 0.818109M
 Operation Time: 1H
 Sphere Temperature (°C): 24.6

REPORT NUMBER: SP1-2406-133-1

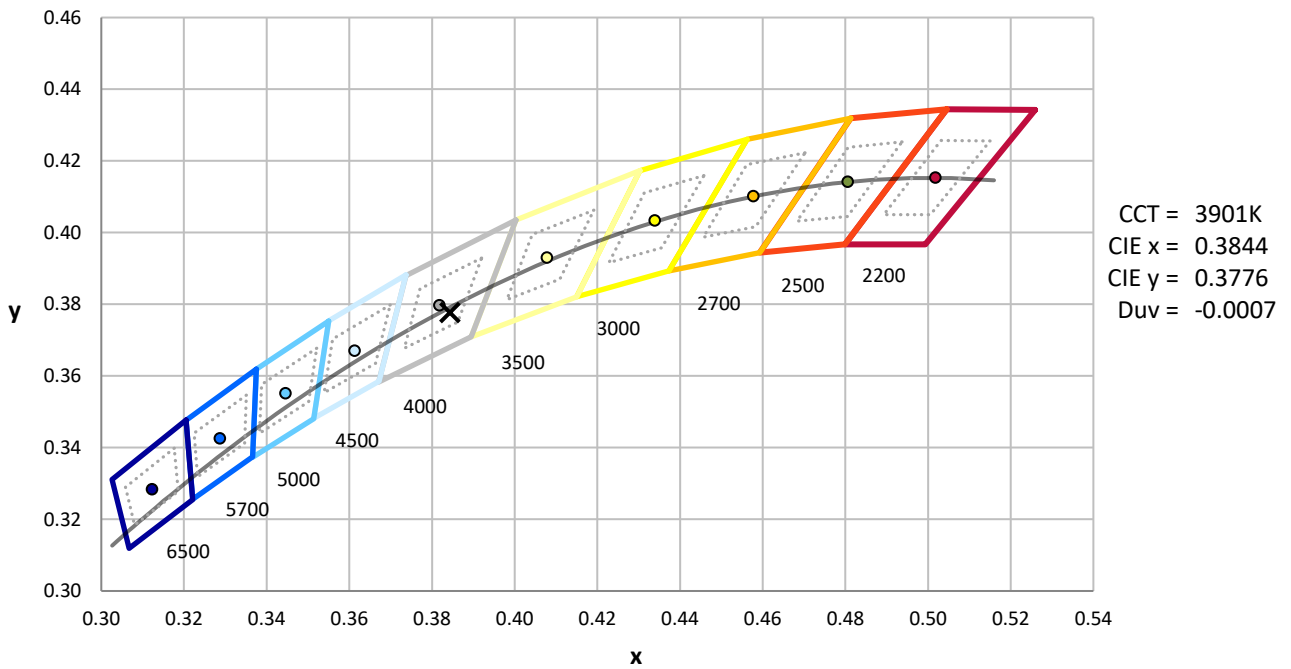
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	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 4000K 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	154	NR	620	687	NR	750	19	NR	880	1	NR
365	0	NR	495	191	NR	625	634	NR	755	17	NR	885	2	NR
370	0	NR	500	251	NR	630	581	NR	760	14	NR	890	1	NR
375	0	NR	505	323	NR	635	524	NR	765	12	NR	895	0	NR
380	0	NR	510	395	NR	640	471	NR	770	11	NR	900	1	NR
385	0	NR	515	462	NR	645	420	NR	775	9	NR	905	0	NR
390	0	NR	520	520	NR	650	373	NR	780	8	NR	910	0	NR
395	1	NR	525	563	NR	655	328	NR	785	7	NR	915	0	NR
400	4	NR	530	599	NR	660	286	NR	790	6	NR	920	0	NR
405	8	NR	535	627	NR	665	250	NR	795	5	NR	925	0	NR
410	17	NR	540	653	NR	670	217	NR	800	4	NR	930	0	NR
415	34	NR	545	679	NR	675	188	NR	805	4	NR	935	0	NR
420	63	NR	550	706	NR	680	163	NR	810	3	NR	940	0	NR
425	114	NR	555	737	NR	685	140	NR	815	3	NR	945	1	NR
430	186	NR	560	768	NR	690	121	NR	820	3	NR	950	0	NR
435	297	NR	565	798	NR	695	104	NR	825	2	NR	955	0	NR
440	454	NR	570	831	NR	700	89	NR	830	2	NR	960	0	NR
445	713	NR	575	860	NR	705	77	NR	835	2	NR	965	0	NR
450	983	NR	580	882	NR	710	65	NR	840	2	NR	970	0	NR
455	861	NR	585	893	NR	715	56	NR	845	1	NR	975	0	NR
460	540	NR	590	892	NR	720	48	NR	850	1	NR	980	0	NR
465	386	NR	595	880	NR	725	41	NR	855	1	NR	985	0	NR
470	279	NR	600	859	NR	730	35	NR	860	1	NR	990	0	NR
475	188	NR	605	825	NR	735	30	NR	865	1	NR	995	0	NR
480	149	NR	610	787	NR	740	26	NR	870	1	NR	1000	0	NR
485	143	NR	615	738	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2406-133-1

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.53

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	154	NR	620	687	NR	750	19	NR	880	1	NR
365	0	NR	495	191	NR	625	634	NR	755	17	NR	885	2	NR
370	0	NR	500	251	NR	630	581	NR	760	14	NR	890	1	NR
375	0	NR	505	323	NR	635	524	NR	765	12	NR	895	0	NR
380	0	NR	510	395	NR	640	471	NR	770	11	NR	900	1	NR
385	0	NR	515	462	NR	645	420	NR	775	9	NR	905	0	NR
390	0	NR	520	520	NR	650	373	NR	780	8	NR	910	0	NR
395	1	NR	525	563	NR	655	328	NR	785	7	NR	915	0	NR
400	4	NR	530	599	NR	660	286	NR	790	6	NR	920	0	NR
405	8	NR	535	627	NR	665	250	NR	795	5	NR	925	0	NR
410	17	NR	540	653	NR	670	217	NR	800	4	NR	930	0	NR
415	34	NR	545	679	NR	675	188	NR	805	4	NR	935	0	NR
420	63	NR	550	706	NR	680	163	NR	810	3	NR	940	0	NR
425	114	NR	555	737	NR	685	140	NR	815	3	NR	945	1	NR
430	186	NR	560	768	NR	690	121	NR	820	3	NR	950	0	NR
435	297	NR	565	798	NR	695	104	NR	825	2	NR	955	0	NR
440	454	NR	570	831	NR	700	89	NR	830	2	NR	960	0	NR
445	713	NR	575	860	NR	705	77	NR	835	2	NR	965	0	NR
450	983	NR	580	882	NR	710	65	NR	840	2	NR	970	0	NR
455	861	NR	585	893	NR	715	56	NR	845	1	NR	975	0	NR
460	540	NR	590	892	NR	720	48	NR	850	1	NR	980	0	NR
465	386	NR	595	880	NR	725	41	NR	855	1	NR	985	0	NR
470	279	NR	600	859	NR	730	35	NR	860	1	NR	990	0	NR
475	188	NR	605	825	NR	735	30	NR	865	1	NR	995	0	NR
480	149	NR	610	787	NR	740	26	NR	870	1	NR	1000	0	NR
485	143	NR	615	738	NR	745	22	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.04

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	154	NR	620	687	NR	750	19	NR	880	1	NR
365	0	NR	495	191	NR	625	634	NR	755	17	NR	885	2	NR
370	0	NR	500	251	NR	630	581	NR	760	14	NR	890	1	NR
375	0	NR	505	323	NR	635	524	NR	765	12	NR	895	0	NR
380	0	NR	510	395	NR	640	471	NR	770	11	NR	900	1	NR
385	0	NR	515	462	NR	645	420	NR	775	9	NR	905	0	NR
390	0	NR	520	520	NR	650	373	NR	780	8	NR	910	0	NR
395	1	NR	525	563	NR	655	328	NR	785	7	NR	915	0	NR
400	4	NR	530	599	NR	660	286	NR	790	6	NR	920	0	NR
405	8	NR	535	627	NR	665	250	NR	795	5	NR	925	0	NR
410	17	NR	540	653	NR	670	217	NR	800	4	NR	930	0	NR
415	34	NR	545	679	NR	675	188	NR	805	4	NR	935	0	NR
420	63	NR	550	706	NR	680	163	NR	810	3	NR	940	0	NR
425	114	NR	555	737	NR	685	140	NR	815	3	NR	945	1	NR
430	186	NR	560	768	NR	690	121	NR	820	3	NR	950	0	NR
435	297	NR	565	798	NR	695	104	NR	825	2	NR	955	0	NR
440	454	NR	570	831	NR	700	89	NR	830	2	NR	960	0	NR
445	713	NR	575	860	NR	705	77	NR	835	2	NR	965	0	NR
450	983	NR	580	882	NR	710	65	NR	840	2	NR	970	0	NR
455	861	NR	585	893	NR	715	56	NR	845	1	NR	975	0	NR
460	540	NR	590	892	NR	720	48	NR	850	1	NR	980	0	NR
465	386	NR	595	880	NR	725	41	NR	855	1	NR	985	0	NR
470	279	NR	600	859	NR	730	35	NR	860	1	NR	990	0	NR
475	188	NR	605	825	NR	735	30	NR	865	1	NR	995	0	NR
480	149	NR	610	787	NR	740	26	NR	870	1	NR	1000	0	NR
485	143	NR	615	738	NR	745	22	NR	875	1	NR			

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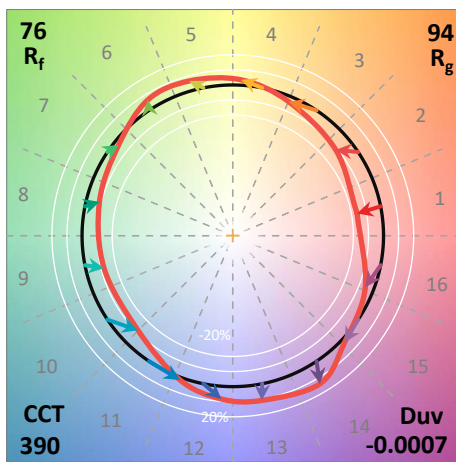
TM-30-18

Summary

$R_f = 76.2$
 $R_g = 94.4$
 CIE $R_a = 74.5$
 $R_g = -23.4$



Color Vector Graphics

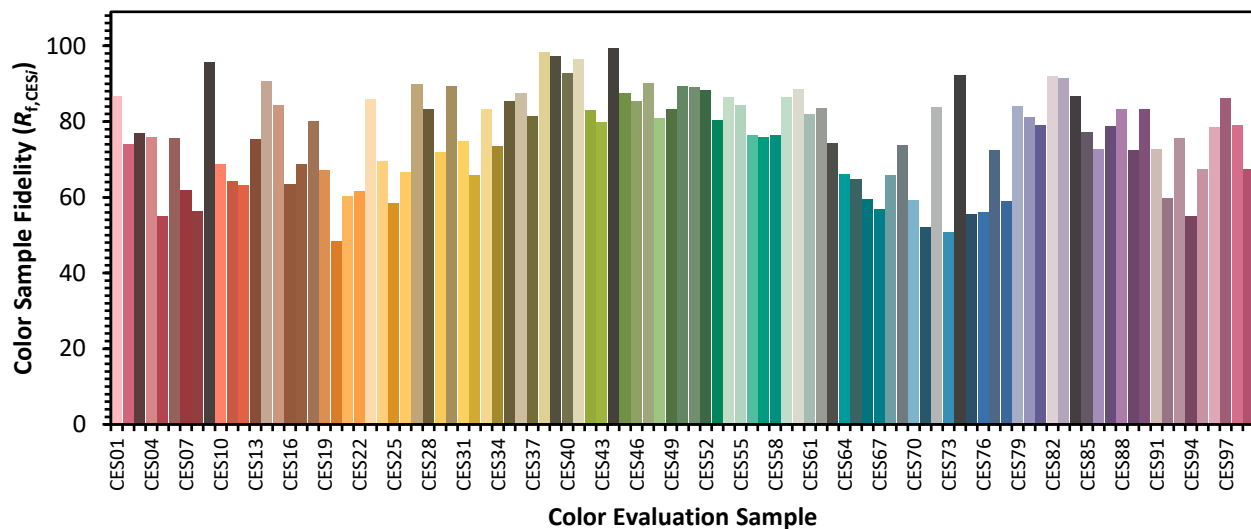


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Individual Sample Fidelity Index ($R_{f,i}$)

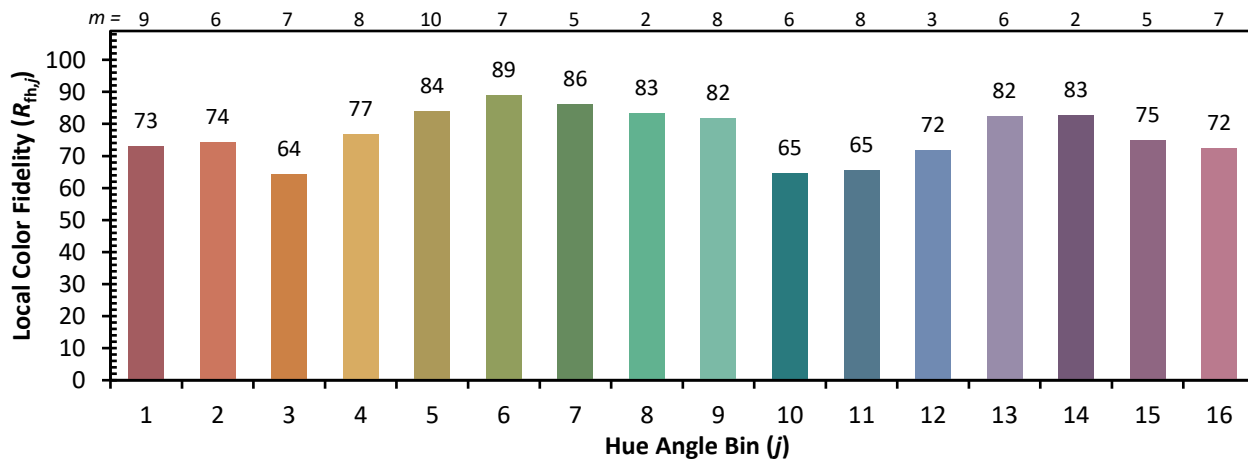
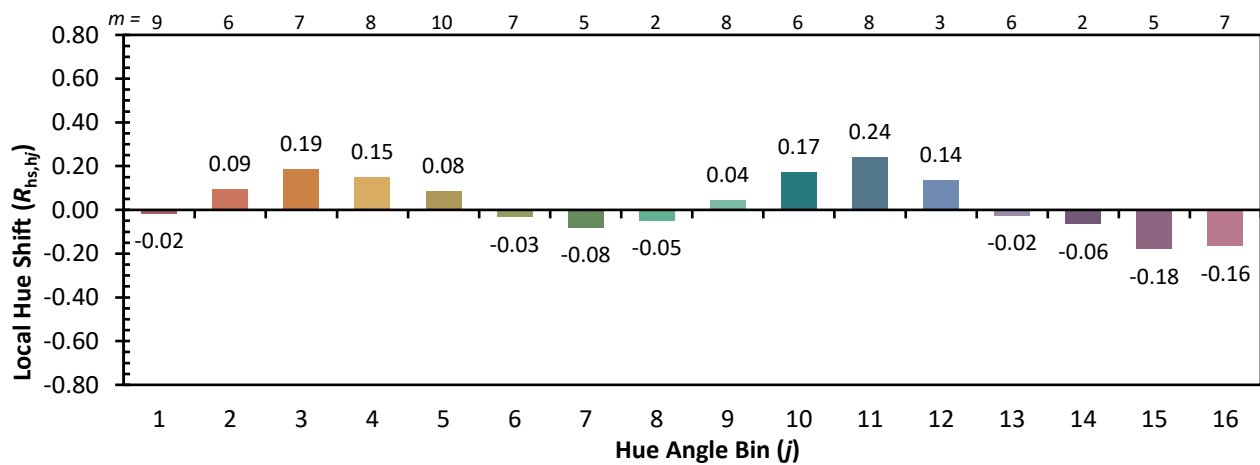
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CES02 = 61	CES27 = 90	CES52 = 88	CES77 = 72
CES03 = 30	CES28 = 83	CES53 = 80	CES78 = 59
CES04 = 70	CES29 = 72	CES54 = 86	CES79 = 84
CES05 = 48	CES30 = 89	CES55 = 84	CES80 = 81
CES06 = 51	CES31 = 75	CES56 = 77	CES81 = 79
CES07 = 40	CES32 = 66	CES57 = 76	CES82 = 92
CES08 = 39	CES33 = 83	CES58 = 76	CES83 = 92
CES09 = 29	CES34 = 74	CES59 = 86	CES84 = 87
CES10 = 74	CES35 = 85	CES60 = 89	CES85 = 77
CES11 = 57	CES36 = 87	CES61 = 82	CES86 = 73
CES12 = 63	CES37 = 81	CES62 = 84	CES87 = 79
CES13 = 42	CES38 = 98	CES63 = 74	CES88 = 83
CES14 = 74	CES39 = 97	CES64 = 66	CES89 = 72
CES15 = 71	CES40 = 93	CES65 = 65	CES90 = 83
CES16 = 46	CES41 = 96	CES66 = 59	CES91 = 73
CES17 = 49	CES42 = 83	CES67 = 57	CES92 = 60
CES18 = 56	CES43 = 80	CES68 = 66	CES93 = 75
CES19 = 72	CES44 = 99	CES69 = 74	CES94 = 55
CES20 = 65	CES45 = 87	CES70 = 59	CES95 = 67
CES21 = 86	CES46 = 85	CES71 = 52	CES96 = 78
CES22 = 78	CES47 = 90	CES72 = 84	CES97 = 86
CES23 = 92	CES48 = 81	CES73 = 51	CES98 = 79
CES24 = 91	CES49 = 83	CES74 = 92	CES99 = 68
CES25 = 72	CES50 = 89	CES75 = 56	



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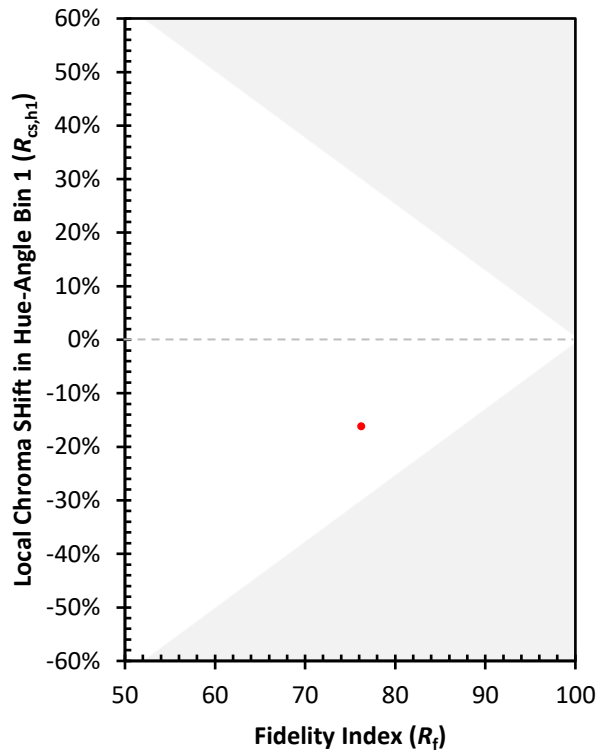
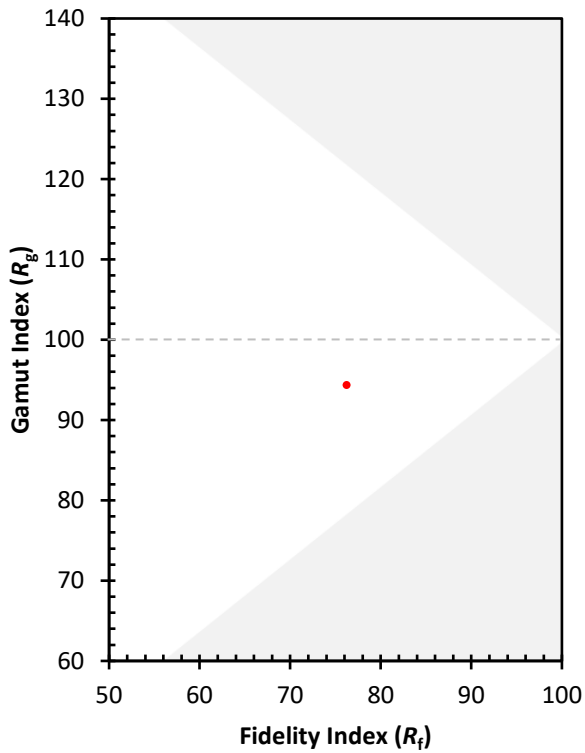
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)