

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: P856395

Luminaire Tested: **FFX-CLB-40-730-U-VM9**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856395
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-40-730-U-VM9
Description: FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK
Light Source: (6) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

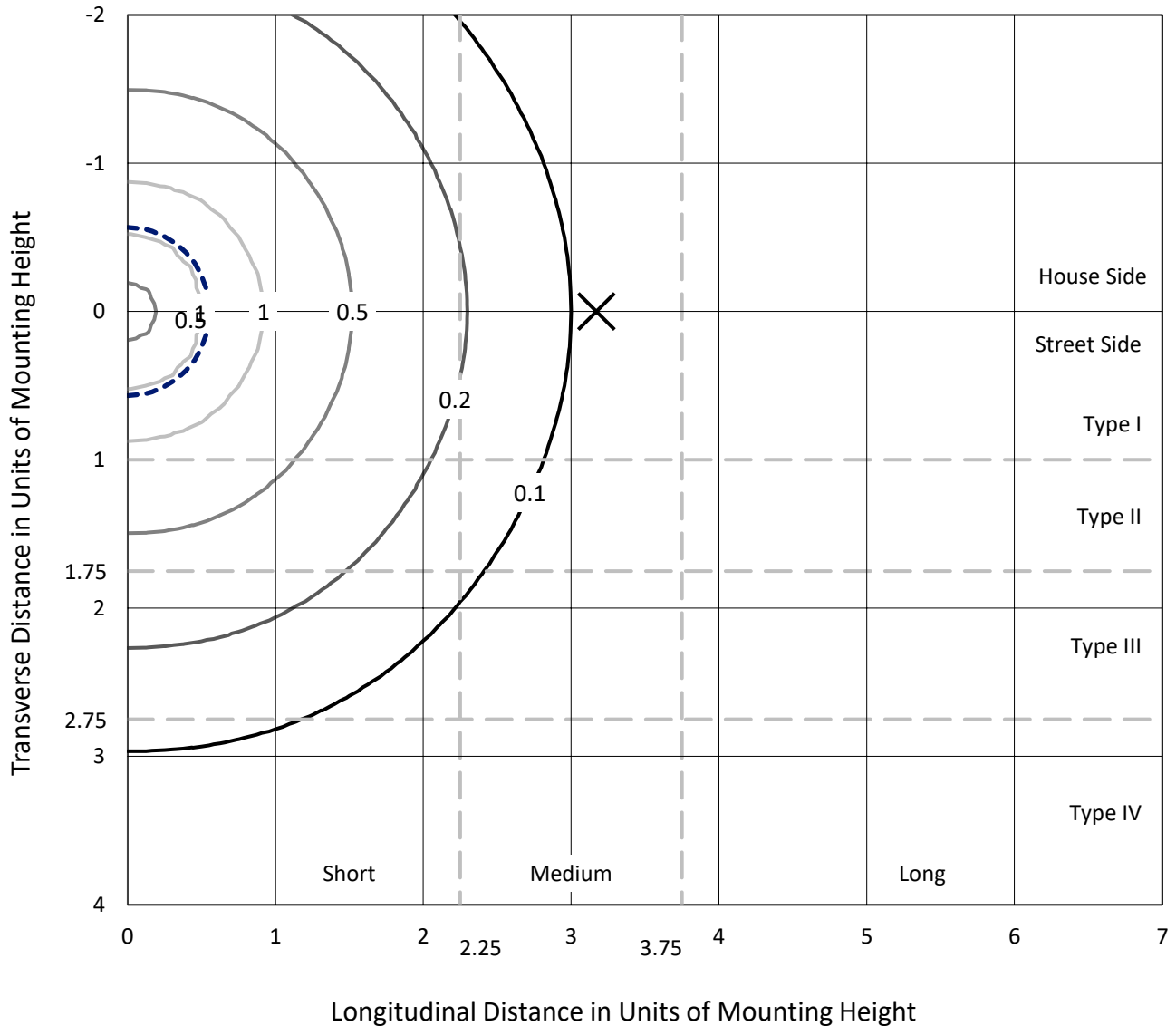
Lumens per Lamp: N/A
Luminaire Lumens: 6290.3 lumens
Efficiency: N/A
Efficacy: 160.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification: Type V - Short
BUG Rating: B2 - U5 - G3

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

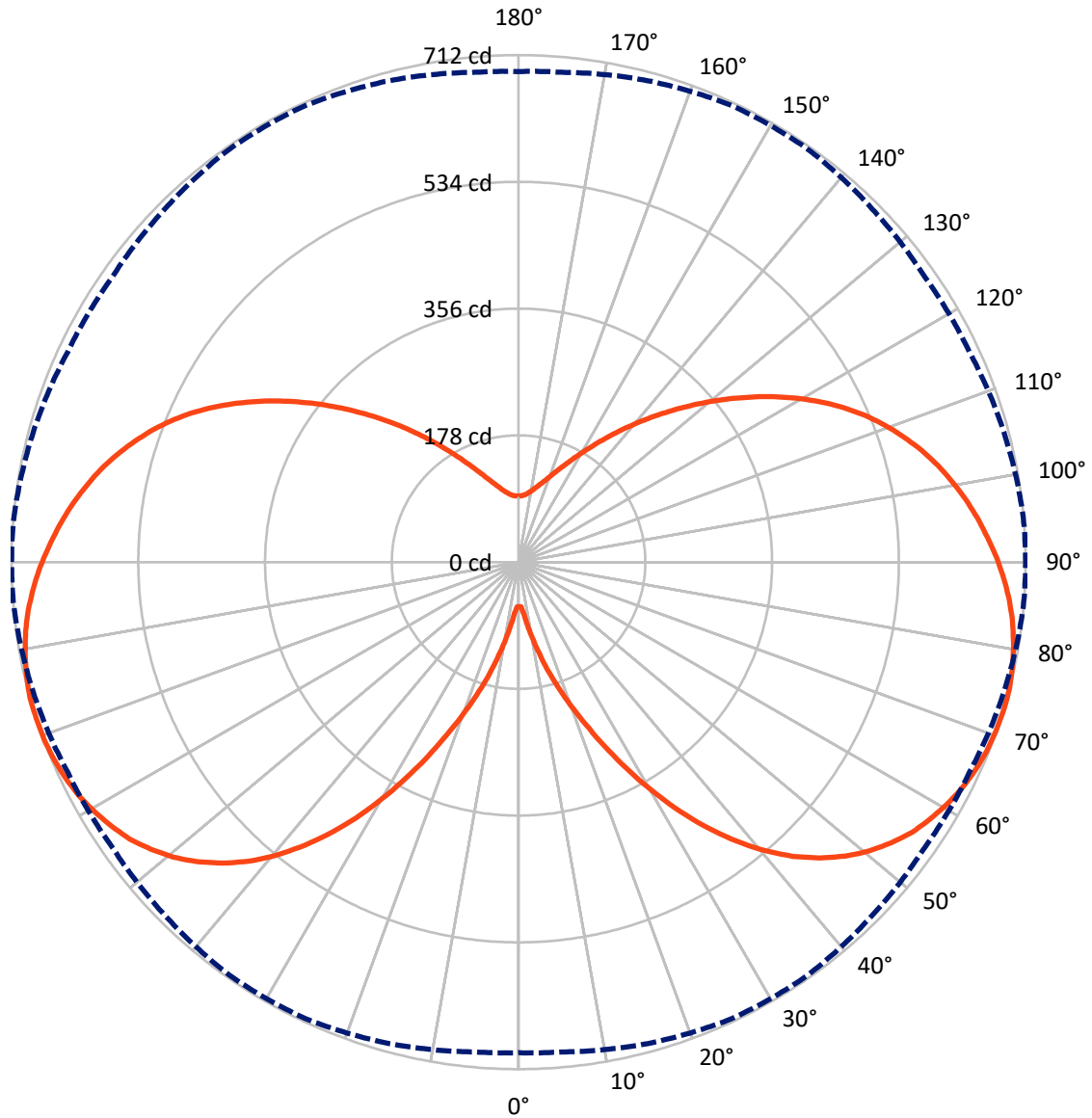
× Max cd
 - - - 1/2 Max cd



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

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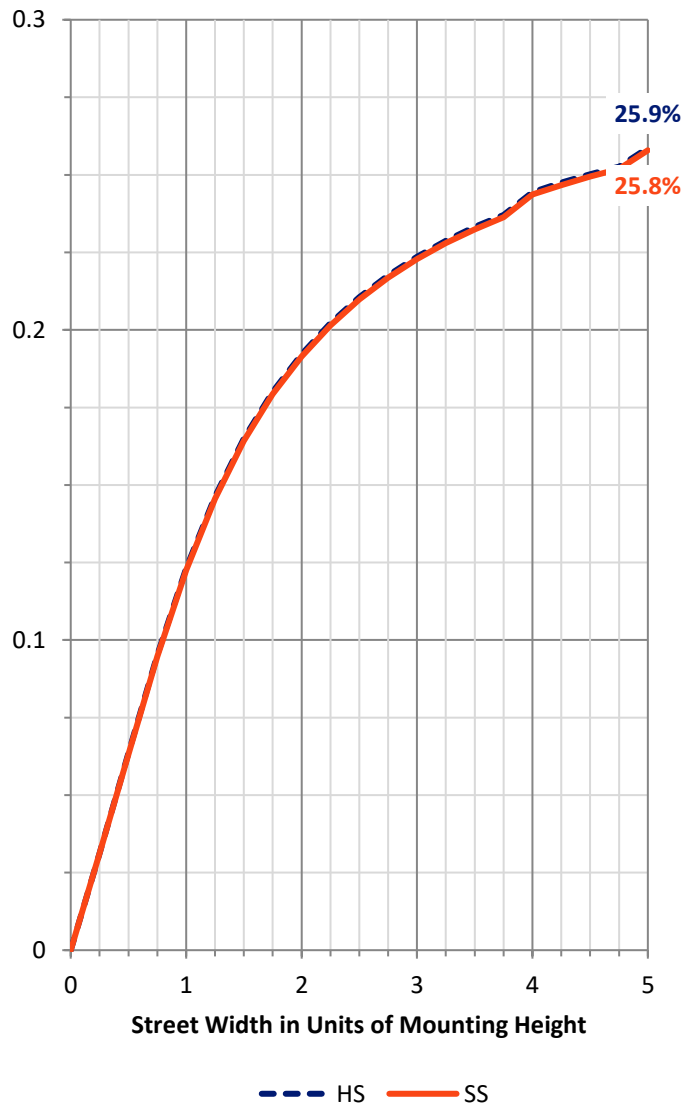
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1842.4	1302.8	3145.1
	% Fixture	29.3	20.7	50.0
Street Side	Lumens	1842.4	1302.8	3145.1
	% Fixture	29.3	20.7	50.0
Total	Lumens	3684.7	2605.6	6290.3
	% Fixture	58.6	41.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.1	0.1
10°-20°	47.2	0.8
20°-30°	136.4	2.2
30°-40°	283.6	4.5
40°-50°	450.1	7.2
50°-60°	590.8	9.4
60°-70°	688.9	11.0
70°-80°	740.0	11.8
80°-90°	739.6	11.8
90°-100°	692.3	11.0
100°-110°	607.5	9.7
110°-120°	488.5	7.8
120°-130°	350.9	5.6
130°-140°	225.5	3.6
140°-150°	130.9	2.1
150°-160°	68.7	1.1
160°-170°	32.0	0.5
170°-180°	9.2	0.1
0°-90°	3684.7	58.6
0°-180°	6290.3	100.0



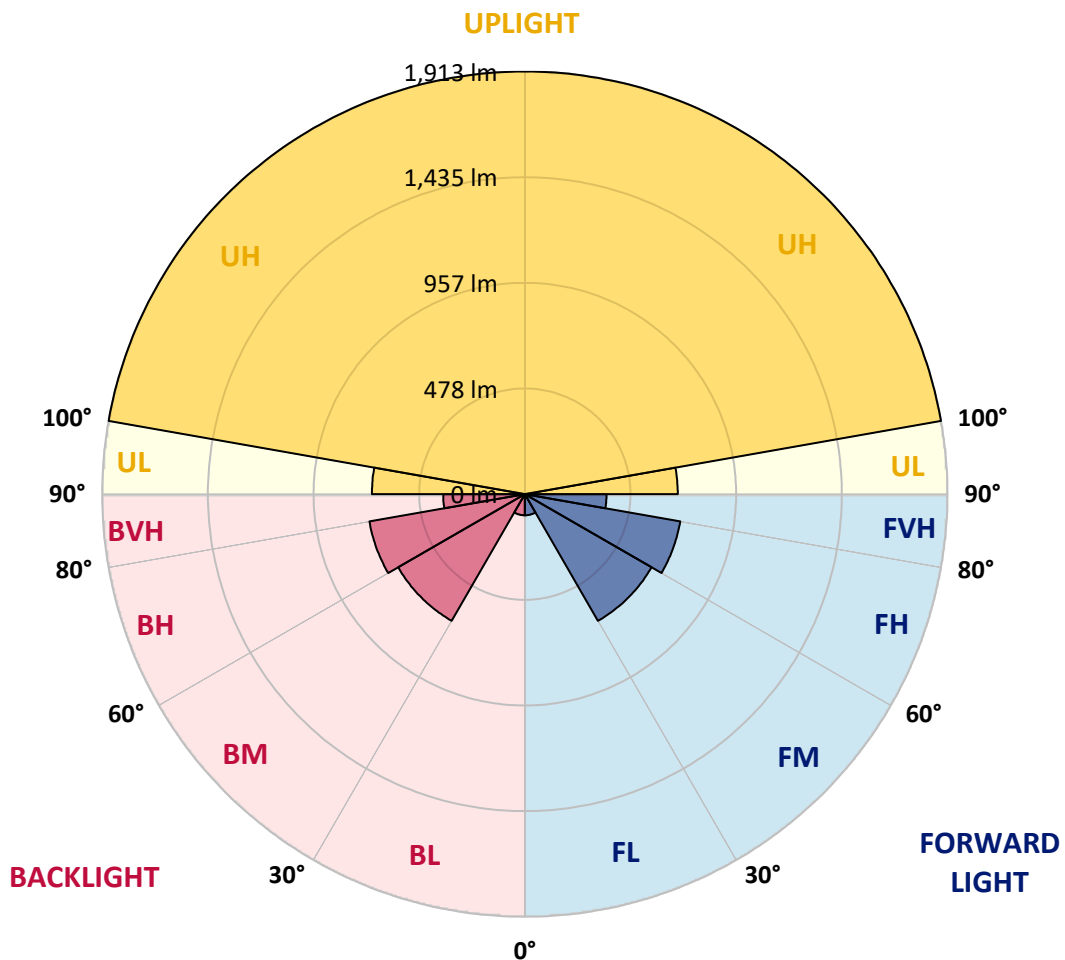
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	95.8	1.5			
FM (30°-60°)	662.3	10.5			
FH (60°-80°)	714.5	11.4			G1/1800
FVH (80°-90°)	369.8	5.9			G3/500
BL (0°-30°)	95.8	1.5	B0/110		
BM (30°-60°)	662.3	10.5	B1/1000		
BH (60°-80°)	714.5	11.4	B2/1000		G1/1800
BVH (80°-90°)	369.8	5.9			G3/500
UL (90°-100°)	692.3	11.0		U4/1000	
UH (100°-180°)	1913.2	30.4		U5	

BUG Rating: B2-U5-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
2.5°	64.8	64.8	64.4	64.4	64.0	63.6	63.6	63.2	62.8	62.8	62.8
5°	72.1	71.7	71.7	71.7	71.7	71.3	71.7	71.3	71.3	71.3	71.7
7.5°	87.9	87.5	87.5	87.5	87.9	87.9	88.3	88.7	89.1	89.1	89.1
10°	108.5	108.1	108.1	107.7	108.5	108.5	108.9	108.1	109.3	109.3	109.7
12.5°	132.8	132.4	132.4	132.0	132.8	132.4	133.2	132.4	134.4	133.6	133.6
15°	159.1	159.1	158.7	158.3	159.5	159.5	160.3	160.3	161.6	160.7	161.1
17.5°	187.1	186.7	186.7	186.3	187.5	187.5	187.5	188.3	189.9	188.3	189.5
20°	217.0	216.6	216.6	216.2	217.4	217.4	218.2	218.6	220.3	219.0	219.9
22.5°	249.4	249.0	249.0	249.0	250.6	251.0	251.0	252.2	254.3	252.2	253.9
25°	285.5	285.0	285.0	286.3	287.5	287.9	288.7	290.3	292.3	290.3	292.3
27.5°	323.9	323.5	324.3	325.9	327.2	328.0	329.2	329.6	332.4	330.4	333.2
30°	363.6	363.2	364.0	366.0	367.6	370.1	370.1	371.3	375.3	372.5	375.3
32.5°	402.9	402.5	403.7	406.1	408.5	411.0	411.4	413.0	417.0	415.0	417.9
35°	441.7	441.3	443.0	446.2	448.6	451.1	451.9	453.5	457.9	455.9	458.7
37.5°	478.6	478.6	480.2	483.9	486.7	489.9	489.5	491.5	495.6	494.4	497.2
40°	513.0	513.0	515.0	519.5	522.7	524.7	524.3	526.4	530.8	530.4	532.8
42.5°	544.2	544.2	547.0	551.5	554.7	555.9	555.9	557.9	562.8	562.4	564.8
45°	570.5	571.7	575.0	579.8	582.6	583.9	583.0	585.1	590.3	590.3	592.4
47.5°	594.8	596.4	599.7	604.5	606.5	607.7	606.9	608.6	613.8	614.6	616.7
50°	615.8	617.1	621.1	626.4	628.4	628.4	627.2	628.8	634.5	636.1	637.7
52.5°	634.1	635.3	639.7	645.4	646.6	646.2	644.6	646.2	651.9	653.5	654.7
55°	648.6	649.9	655.1	660.8	662.0	660.8	658.4	660.4	665.6	668.1	670.1
57.5°	660.4	661.6	667.7	673.3	674.6	672.1	669.3	671.3	677.4	680.2	681.0
60°	670.1	671.3	677.8	683.9	684.7	681.8	678.6	680.6	686.7	689.9	690.8
62.5°	677.8	679.0	685.9	692.8	693.2	689.5	685.9	687.9	694.0	697.6	698.8
65°	683.1	684.3	692.0	698.8	699.7	695.2	691.6	693.6	699.3	703.7	704.5
67.5°	686.7	687.9	696.4	703.7	704.1	699.3	695.2	696.8	703.3	707.8	708.6
70°	688.3	689.5	698.4	706.1	706.5	701.3	696.4	698.4	704.9	710.2	711.0
72.5°	688.7	690.3	699.7	707.4	707.8	701.7	696.8	698.4	705.3	711.4	711.8
75°	687.1	689.1	698.8	706.9	706.9	700.1	694.8	696.4	704.1	710.6	711.8
77.5°	685.1	686.3	696.4	704.5	704.1	696.8	690.8	693.2	700.9	708.2	709.0
80°	680.6	682.2	692.4	700.1	699.3	691.2	685.5	687.9	696.0	703.7	704.5
82.5°	675.0	676.6	686.7	693.6	692.8	684.3	678.6	681.4	689.9	698.0	698.8
85°	668.1	669.7	679.4	685.9	684.7	676.2	670.5	672.9	682.2	690.3	691.2
87.5°	659.2	660.8	670.5	676.2	675.0	666.1	661.2	664.4	672.9	681.4	681.8
90°	649.0	651.1	659.6	664.8	663.2	655.1	650.7	653.9	662.4	670.5	671.3
92.5°	638.9	639.7	647.8	652.3	651.1	643.8	639.7	643.4	651.1	659.2	659.2
95°	626.8	628.0	635.3	638.9	637.7	631.6	628.0	632.0	638.9	646.6	647.0
97.5°	613.8	615.0	621.1	624.8	623.5	618.3	615.8	619.9	626.0	633.3	633.7
100°	600.1	600.9	606.1	609.4	608.2	604.1	602.5	606.5	612.2	619.1	619.1
102.5°	584.7	585.5	589.5	591.6	591.1	587.9	587.9	592.4	596.8	603.3	604.1
105°	568.5	569.3	572.1	573.3	572.9	571.7	572.5	577.0	580.6	586.3	587.1
107.5°	550.3	551.1	552.7	553.1	553.1	553.1	555.9	560.0	564.0	568.1	568.5
110°	530.8	531.2	532.4	532.0	532.0	532.8	536.9	541.3	544.6	548.6	549.0



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 CATALOG NUMBER: FFX-CLB-40-730-U-VM9

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	509.8	510.2	511.0	509.4	509.8	511.4	516.6	521.5	523.5	527.6	527.6
115°	487.5	487.1	487.9	485.9	485.5	488.3	494.0	499.6	501.3	504.1	504.5
117.5°	463.2	463.6	463.2	460.8	460.4	464.4	469.7	474.9	477.0	480.2	479.4
120°	438.1	437.7	438.1	435.3	434.9	439.3	444.6	449.8	451.1	453.9	453.1
122.5°	412.6	412.2	411.8	408.9	408.9	412.6	419.1	424.3	423.5	426.8	426.4
125°	386.3	386.3	385.5	382.6	382.6	387.1	392.3	397.2	396.4	400.0	398.8
127.5°	360.4	360.4	359.5	357.1	357.1	361.2	366.0	370.9	369.7	372.9	371.7
130°	334.8	334.8	334.0	331.6	331.6	334.8	340.1	344.2	342.5	345.4	345.0
132.5°	310.6	310.1	309.7	307.3	307.7	311.0	315.0	318.7	317.0	320.3	319.1
135°	287.1	286.7	286.3	283.8	284.2	287.5	291.1	294.0	292.7	294.8	294.4
137.5°	264.8	264.4	264.0	262.0	262.4	264.8	268.4	270.9	269.3	272.1	270.9
140°	243.7	243.3	242.5	241.3	241.7	244.2	246.2	249.0	247.4	249.8	248.6
142.5°	223.5	223.5	222.7	221.5	221.9	224.3	225.9	228.0	226.3	228.4	227.6
145°	204.9	204.9	204.1	203.3	203.3	205.3	206.5	208.5	206.9	208.9	208.1
147.5°	187.9	187.9	187.1	186.3	186.3	188.3	189.1	190.7	189.1	190.7	189.9
150°	172.1	172.1	171.7	170.9	171.3	172.1	172.9	174.1	172.9	174.1	173.7
152.5°	158.3	158.3	157.9	157.5	157.1	158.3	158.7	159.9	158.7	159.9	159.1
155°	146.2	145.8	145.8	145.0	145.0	145.8	146.2	147.0	145.8	147.0	146.6
157.5°	135.2	135.2	134.8	134.4	134.4	134.8	135.2	135.6	134.8	136.0	135.2
160°	125.9	125.9	125.5	125.1	125.1	125.5	125.5	125.9	125.1	125.9	125.5
162.5°	117.8	117.8	117.4	117.4	117.0	117.4	117.8	117.8	117.4	117.8	117.4
165°	111.3	111.3	110.9	110.5	110.5	110.9	110.9	111.3	110.5	110.9	110.9
167.5°	105.3	105.3	105.3	104.9	104.5	104.9	104.9	104.9	104.5	104.9	104.9
170°	100.8	100.8	100.8	100.4	100.0	100.4	100.4	100.4	100.0	100.4	100.4
172.5°	97.2	97.2	97.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
175°	94.7	94.7	94.7	94.7	94.3	94.7	94.7	94.7	94.7	94.7	94.3
177.5°	93.5	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
180°	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7

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: SP1-2406-133-4

Test Date: 07/12/2024

Luminaire Tested: FFX-CLB-100-730-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-730-U-FR-T5.

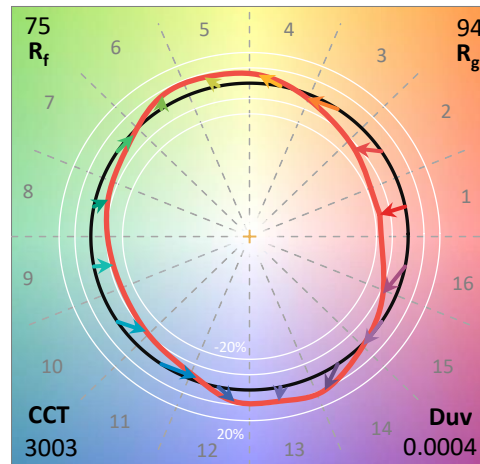
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2406-133-4
 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-100-730-U-FR-T5**
 Description: FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K): 3003
 CIE u': 0.2503
 CIE v': 0.5219
 Duv: 0.0004
 CIE x: 0.4373
 CIE y: 0.4053
 CIE z: 0.1573
 Peak Wavelength (nm): 595
 Dominant Wavelength (nm): 582
 Purity: 52.93545
 Rf: 75.2
 Rg: 93.8

CRI (Ra): 71.9
 R1: 68.2
 R2: 82.2
 R3: 93.9
 R4: 67.6
 R5: 67.2
 R6: 75.3
 R7: 77.6
 R8: 43.1
 R9: -33.7
 R10: 59.0
 R11: 62.4
 R12: 48.5
 R13: 70.8
 R14: 96.6
 R15: 60.0



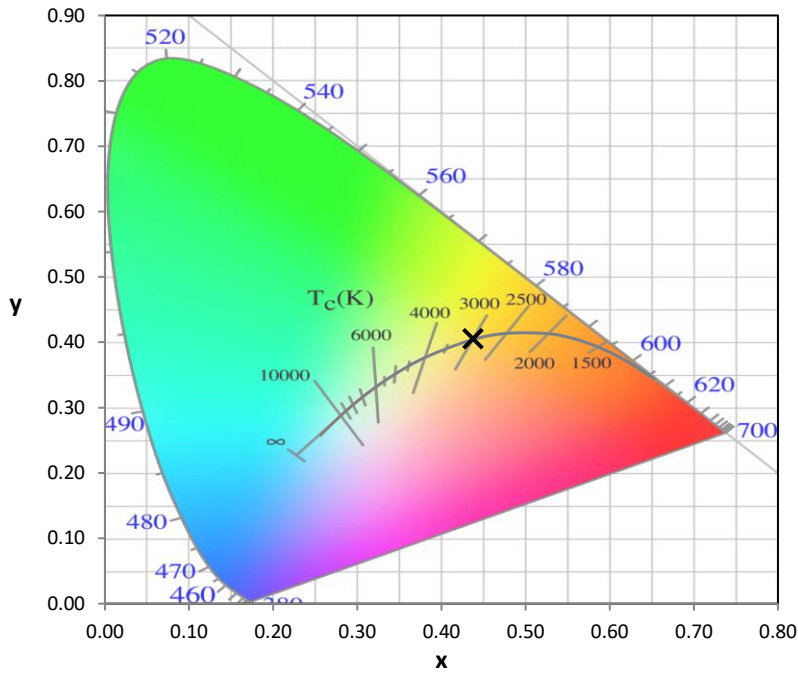
Test Conditions
 Stabilization Time: 0.794393M
 Operation Time: 1H
 Sphere Temperature (°C): 24.7

REPORT NUMBER: SP1-2406-133-4

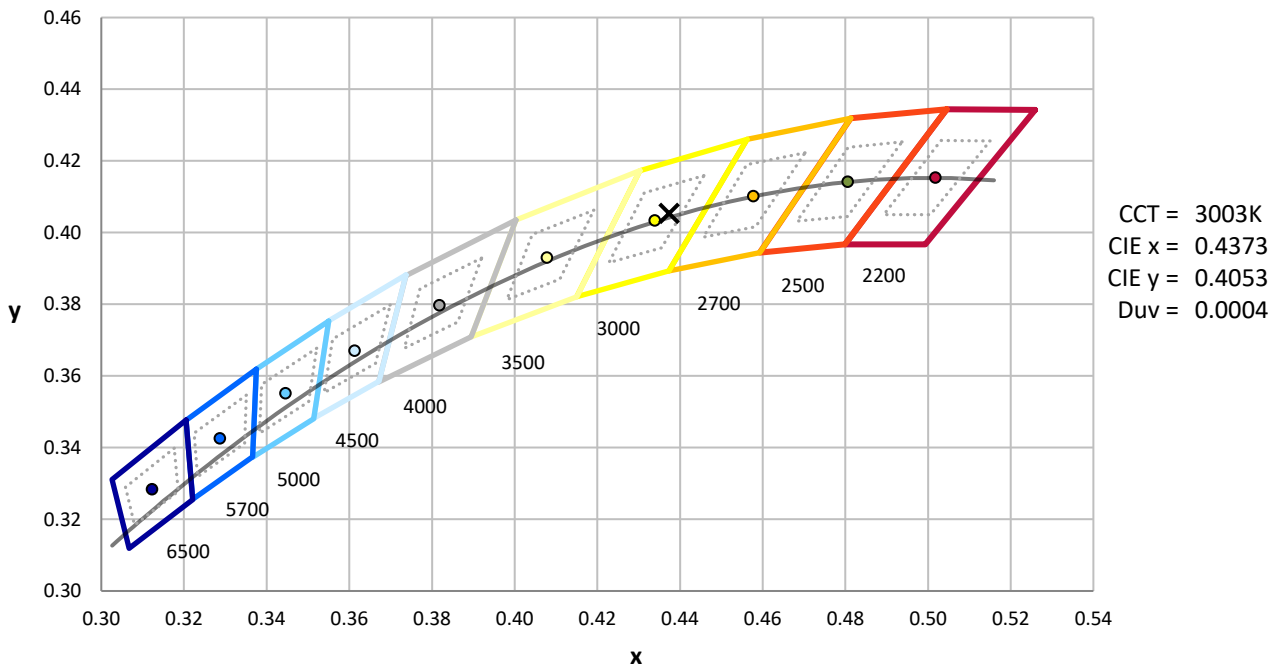
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2406-133-4

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

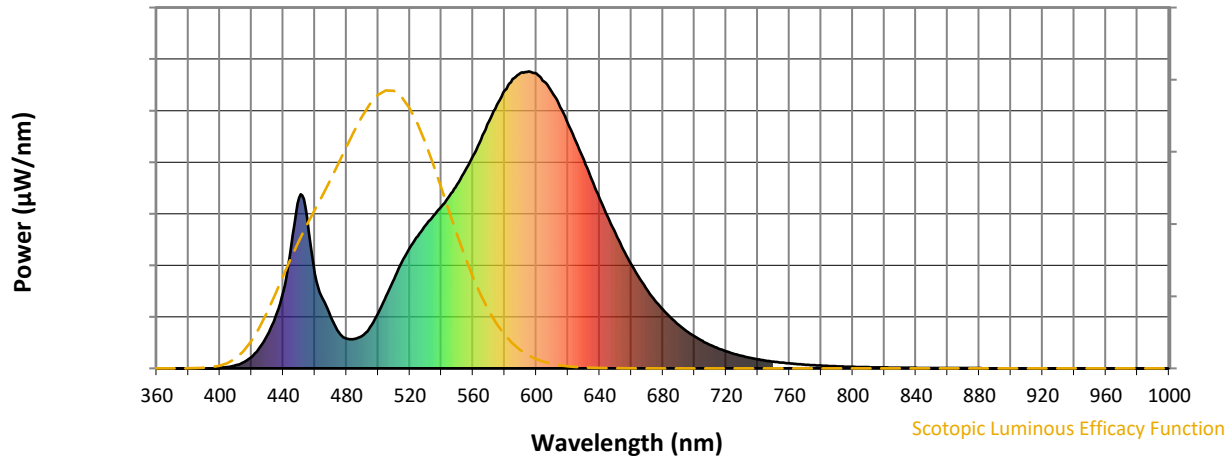


Photopic Lumens: NR

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	110	NR	620	825	NR	750	23	NR	880	1	NR
365	0	NR	495	139	NR	625	765	NR	755	19	NR	885	1	NR
370	0	NR	500	186	NR	630	702	NR	760	17	NR	890	0	NR
375	0	NR	505	243	NR	635	635	NR	765	14	NR	895	0	NR
380	0	NR	510	301	NR	640	572	NR	770	12	NR	900	0	NR
385	0	NR	515	357	NR	645	512	NR	775	11	NR	905	0	NR
390	0	NR	520	406	NR	650	455	NR	780	9	NR	910	0	NR
395	0	NR	525	445	NR	655	400	NR	785	8	NR	915	0	NR
400	2	NR	530	483	NR	660	350	NR	790	7	NR	920	0	NR
405	5	NR	535	514	NR	665	305	NR	795	6	NR	925	0	NR
410	10	NR	540	545	NR	670	264	NR	800	5	NR	930	0	NR
415	21	NR	545	581	NR	675	229	NR	805	4	NR	935	0	NR
420	39	NR	550	620	NR	680	198	NR	810	4	NR	940	0	NR
425	69	NR	555	666	NR	685	170	NR	815	3	NR	945	0	NR
430	112	NR	560	716	NR	690	147	NR	820	3	NR	950	0	NR
435	174	NR	565	771	NR	695	125	NR	825	3	NR	955	0	NR
440	260	NR	570	831	NR	700	107	NR	830	2	NR	960	0	NR
445	410	NR	575	887	NR	705	92	NR	835	2	NR	965	0	NR
450	574	NR	580	937	NR	710	79	NR	840	2	NR	970	0	NR
455	508	NR	585	974	NR	715	67	NR	845	1	NR	975	0	NR
460	319	NR	590	994	NR	720	57	NR	850	1	NR	980	0	NR
465	234	NR	595	1000	NR	725	49	NR	855	1	NR	985	0	NR
470	174	NR	600	992	NR	730	42	NR	860	1	NR	990	0	NR
475	121	NR	605	966	NR	735	36	NR	865	1	NR	995	0	NR
480	100	NR	610	929	NR	740	30	NR	870	1	NR	1000	0	NR
485	99	NR	615	880	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2406-133-4

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.21

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	110	NR	620	825	NR	750	23	NR	880	1	NR
365	0	NR	495	139	NR	625	765	NR	755	19	NR	885	1	NR
370	0	NR	500	186	NR	630	702	NR	760	17	NR	890	0	NR
375	0	NR	505	243	NR	635	635	NR	765	14	NR	895	0	NR
380	0	NR	510	301	NR	640	572	NR	770	12	NR	900	0	NR
385	0	NR	515	357	NR	645	512	NR	775	11	NR	905	0	NR
390	0	NR	520	406	NR	650	455	NR	780	9	NR	910	0	NR
395	0	NR	525	445	NR	655	400	NR	785	8	NR	915	0	NR
400	2	NR	530	483	NR	660	350	NR	790	7	NR	920	0	NR
405	5	NR	535	514	NR	665	305	NR	795	6	NR	925	0	NR
410	10	NR	540	545	NR	670	264	NR	800	5	NR	930	0	NR
415	21	NR	545	581	NR	675	229	NR	805	4	NR	935	0	NR
420	39	NR	550	620	NR	680	198	NR	810	4	NR	940	0	NR
425	69	NR	555	666	NR	685	170	NR	815	3	NR	945	0	NR
430	112	NR	560	716	NR	690	147	NR	820	3	NR	950	0	NR
435	174	NR	565	771	NR	695	125	NR	825	3	NR	955	0	NR
440	260	NR	570	831	NR	700	107	NR	830	2	NR	960	0	NR
445	410	NR	575	887	NR	705	92	NR	835	2	NR	965	0	NR
450	574	NR	580	937	NR	710	79	NR	840	2	NR	970	0	NR
455	508	NR	585	974	NR	715	67	NR	845	1	NR	975	0	NR
460	319	NR	590	994	NR	720	57	NR	850	1	NR	980	0	NR
465	234	NR	595	1000	NR	725	49	NR	855	1	NR	985	0	NR
470	174	NR	600	992	NR	730	42	NR	860	1	NR	990	0	NR
475	121	NR	605	966	NR	735	36	NR	865	1	NR	995	0	NR
480	100	NR	610	929	NR	740	30	NR	870	1	NR	1000	0	NR
485	99	NR	615	880	NR	745	26	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.22

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	110	NR	620	825	NR	750	23	NR	880	1	NR
365	0	NR	495	139	NR	625	765	NR	755	19	NR	885	1	NR
370	0	NR	500	186	NR	630	702	NR	760	17	NR	890	0	NR
375	0	NR	505	243	NR	635	635	NR	765	14	NR	895	0	NR
380	0	NR	510	301	NR	640	572	NR	770	12	NR	900	0	NR
385	0	NR	515	357	NR	645	512	NR	775	11	NR	905	0	NR
390	0	NR	520	406	NR	650	455	NR	780	9	NR	910	0	NR
395	0	NR	525	445	NR	655	400	NR	785	8	NR	915	0	NR
400	2	NR	530	483	NR	660	350	NR	790	7	NR	920	0	NR
405	5	NR	535	514	NR	665	305	NR	795	6	NR	925	0	NR
410	10	NR	540	545	NR	670	264	NR	800	5	NR	930	0	NR
415	21	NR	545	581	NR	675	229	NR	805	4	NR	935	0	NR
420	39	NR	550	620	NR	680	198	NR	810	4	NR	940	0	NR
425	69	NR	555	666	NR	685	170	NR	815	3	NR	945	0	NR
430	112	NR	560	716	NR	690	147	NR	820	3	NR	950	0	NR
435	174	NR	565	771	NR	695	125	NR	825	3	NR	955	0	NR
440	260	NR	570	831	NR	700	107	NR	830	2	NR	960	0	NR
445	410	NR	575	887	NR	705	92	NR	835	2	NR	965	0	NR
450	574	NR	580	937	NR	710	79	NR	840	2	NR	970	0	NR
455	508	NR	585	974	NR	715	67	NR	845	1	NR	975	0	NR
460	319	NR	590	994	NR	720	57	NR	850	1	NR	980	0	NR
465	234	NR	595	1000	NR	725	49	NR	855	1	NR	985	0	NR
470	174	NR	600	992	NR	730	42	NR	860	1	NR	990	0	NR
475	121	NR	605	966	NR	735	36	NR	865	1	NR	995	0	NR
480	100	NR	610	929	NR	740	30	NR	870	1	NR	1000	0	NR
485	99	NR	615	880	NR	745	26	NR	875	1	NR			

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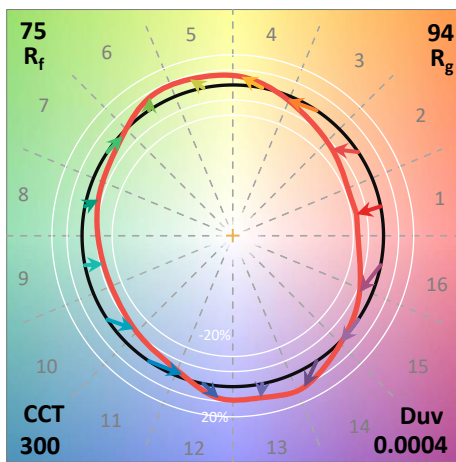
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Summary

$R_f = 75.2$
 $R_g = 93.8$
 CIE $R_a = 71.9$
 $R_9 = -33.7$



Color Vector Graphics



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

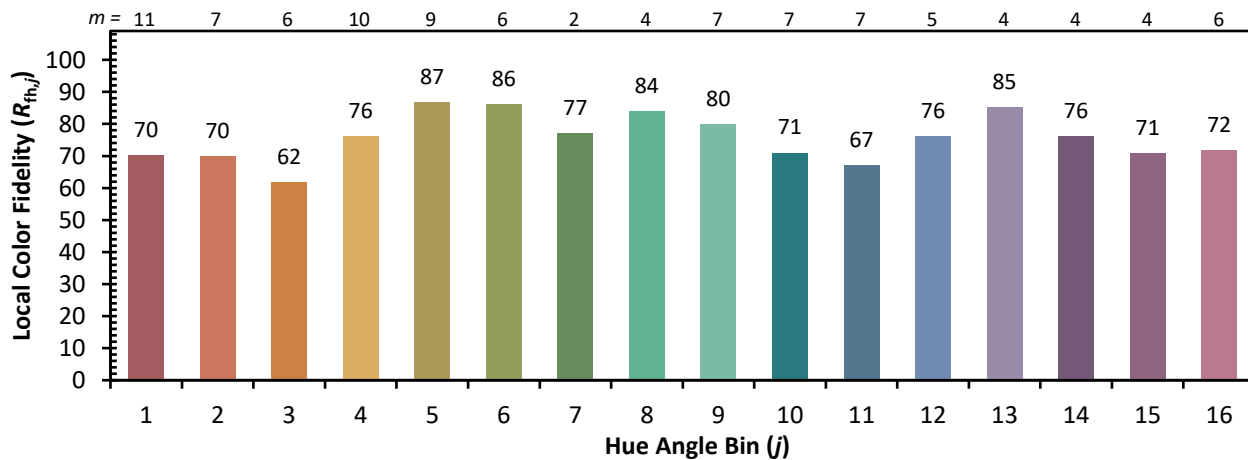
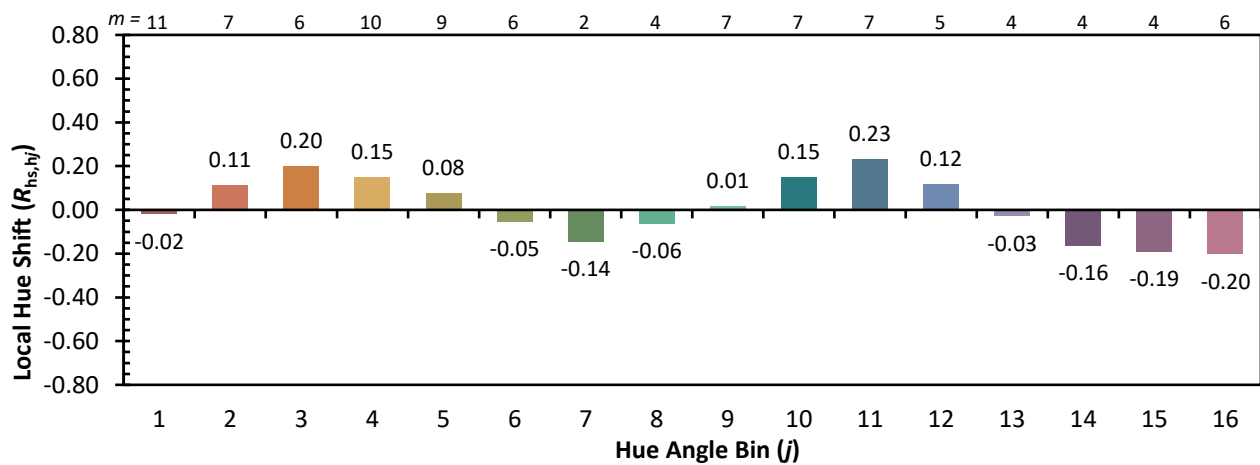
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CES02 = 62	CES27 = 89	CES52 = 85	CES77 = 77
CES03 = 31	CES28 = 85	CES53 = 77	CES78 = 63
CES04 = 71	CES29 = 69	CES54 = 86	CES79 = 86
CES05 = 49	CES30 = 84	CES55 = 84	CES80 = 84
CES06 = 51	CES31 = 72	CES56 = 75	CES81 = 72
CES07 = 41	CES32 = 65	CES57 = 74	CES82 = 93
CES08 = 40	CES33 = 79	CES58 = 75	CES83 = 91
CES09 = 29	CES34 = 76	CES59 = 85	CES84 = 88
CES10 = 76	CES35 = 87	CES60 = 90	CES85 = 75
CES11 = 59	CES36 = 93	CES61 = 81	CES86 = 63
CES12 = 65	CES37 = 85	CES62 = 89	CES87 = 77
CES13 = 43	CES38 = 92	CES63 = 75	CES88 = 80
CES14 = 74	CES39 = 97	CES64 = 66	CES89 = 67
CES15 = 71	CES40 = 93	CES65 = 65	CES90 = 80
CES16 = 47	CES41 = 93	CES66 = 61	CES91 = 80
CES17 = 50	CES42 = 87	CES67 = 59	CES92 = 57
CES18 = 56	CES43 = 79	CES68 = 67	CES93 = 73
CES19 = 73	CES44 = 99	CES69 = 76	CES94 = 50
CES20 = 66	CES45 = 85	CES70 = 61	CES95 = 67
CES21 = 87	CES46 = 81	CES71 = 58	CES96 = 77
CES22 = 79	CES47 = 86	CES72 = 85	CES97 = 83
CES23 = 92	CES48 = 75	CES73 = 54	CES98 = 76
CES24 = 91	CES49 = 79	CES74 = 95	CES99 = 65
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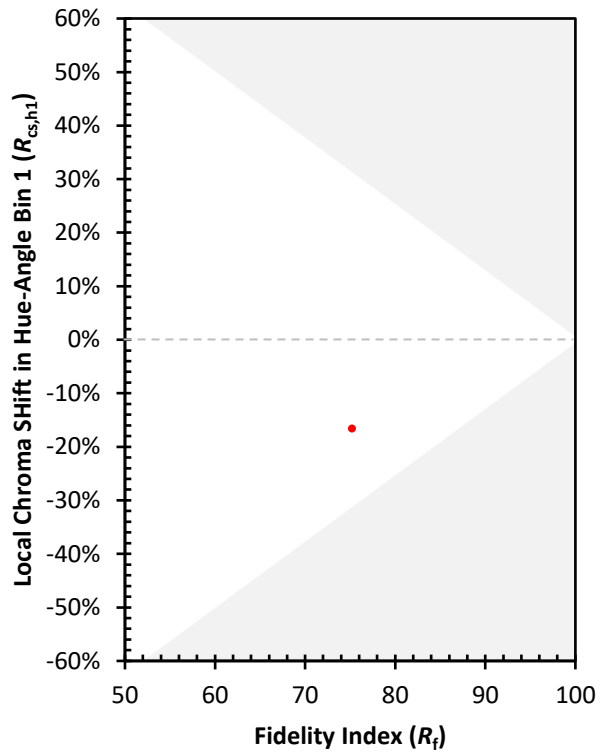
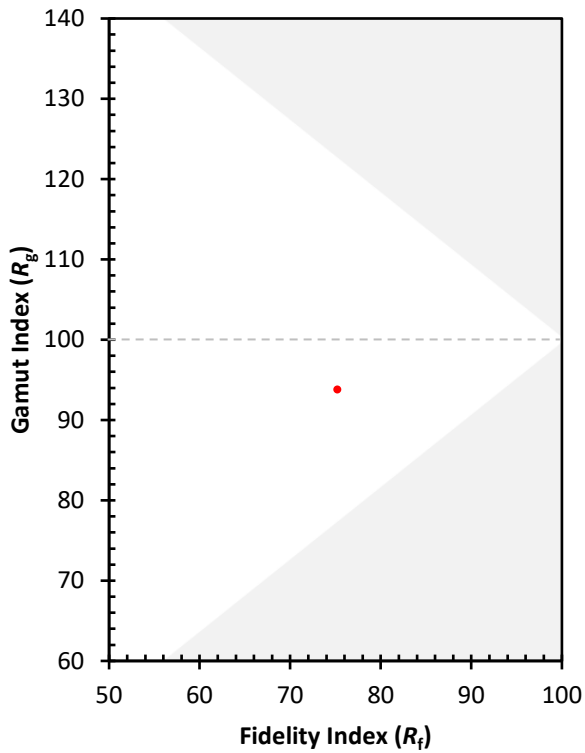
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)