

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: P856181

Luminaire Tested: **FFX-CLB-20-740-U-FR-T5-UPLR**

Issue Date: 07/16/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P856181  
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-FR-T5-UPLR  
Description: FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS AND UPLIGHT REFLECTOR  
Light Source: (6) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

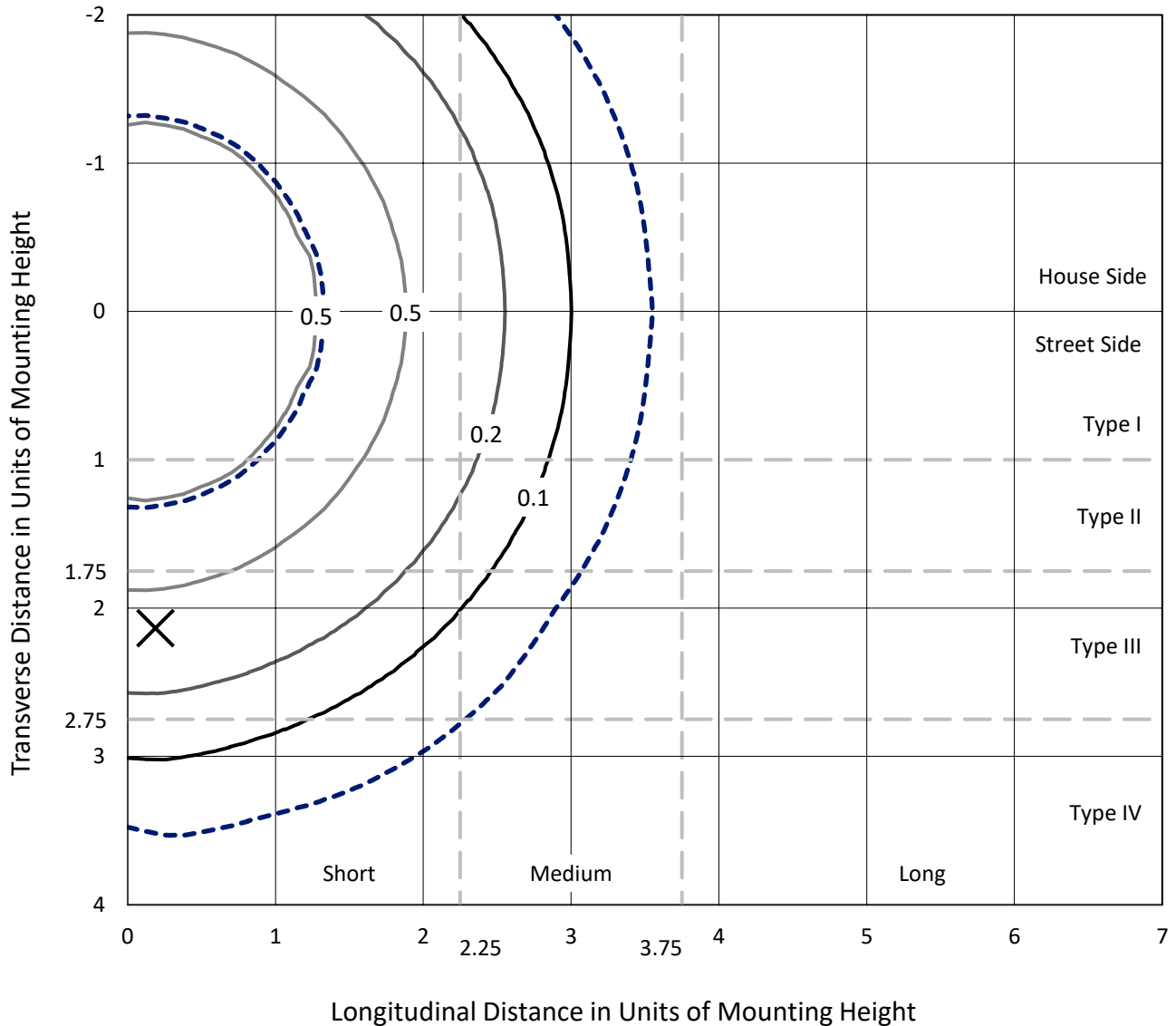
Lumens per Lamp: N/A  
Luminaire Lumens: 3232.3 lumens  
Efficiency: N/A  
Efficacy: 165.8 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 1.67')  
IES Classification: Type V - Short  
BUG Rating: B2 - U3 - G2

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

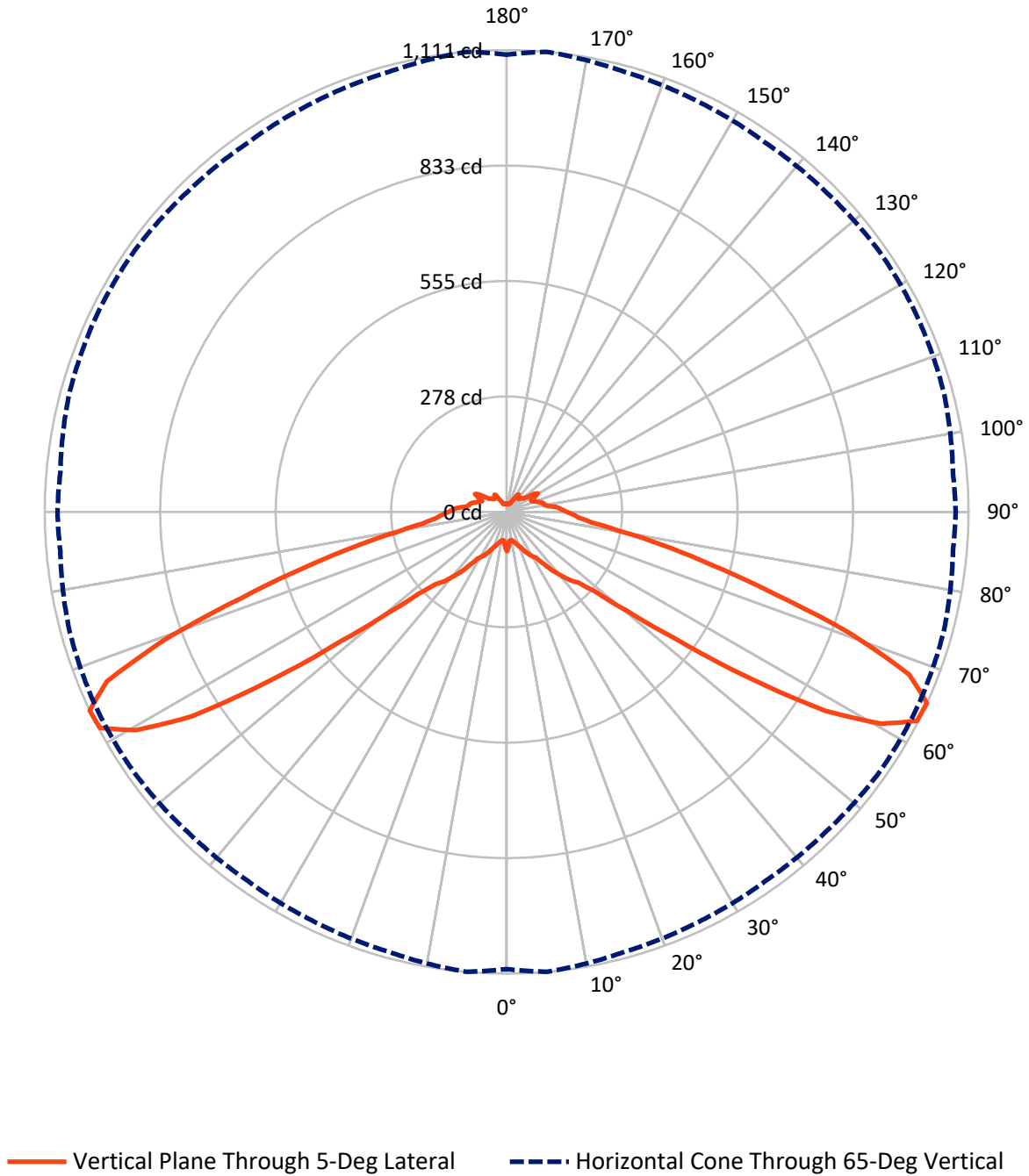
× Max cd  
 - - - 1/2 Max cd



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



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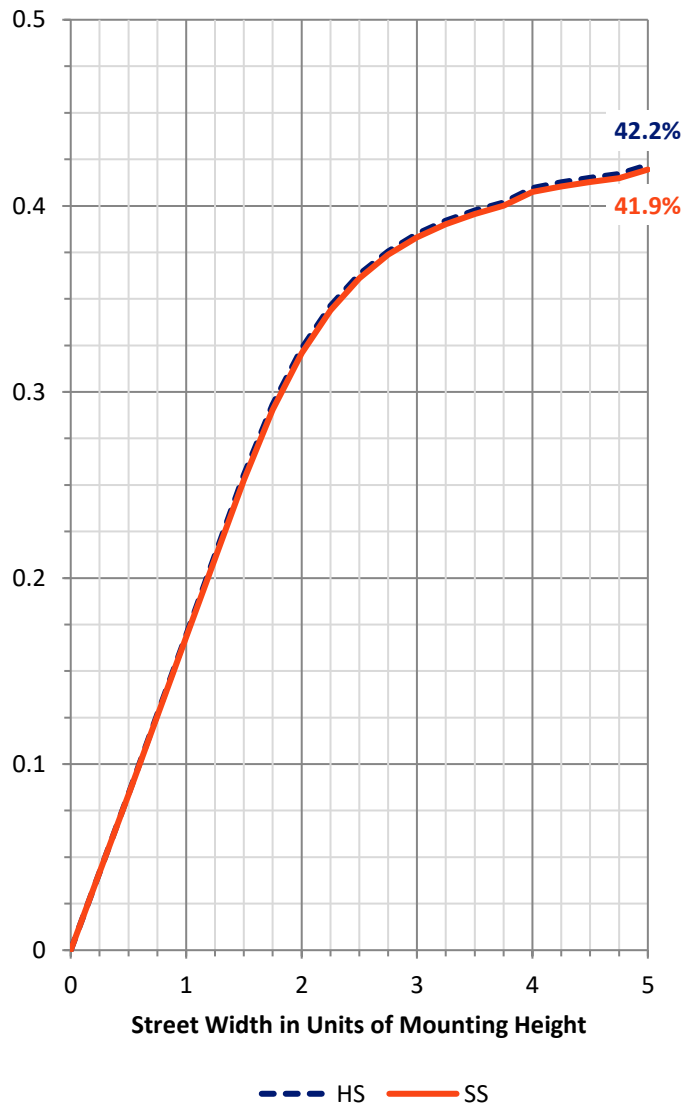
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1411.9	204.2	1616.2
	% Fixture	43.7	6.3	50.0
<b>Street Side</b>	Lumens	1411.9	204.2	1616.2
	% Fixture	43.7	6.3	50.0
<b>Total</b>	Lumens	2823.9	408.5	3232.3
	% Fixture	87.4	12.6	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.9	0.2
10°-20°	22.7	0.7
20°-30°	49.2	1.5
30°-40°	99.7	3.1
40°-50°	200.9	6.2
50°-60°	638.8	19.8
60°-70°	1030.1	31.9
70°-80°	561.7	17.4
80°-90°	213.9	6.6
90°-100°	128.4	4.0
100°-110°	81.9	2.5
110°-120°	62.3	1.9
120°-130°	52.7	1.6
130°-140°	34.3	1.1
140°-150°	28.8	0.9
150°-160°	12.9	0.4
160°-170°	5.5	0.2
170°-180°	1.8	0.1
0°-90°	2823.9	87.4
0°-180°	3232.3	100.0



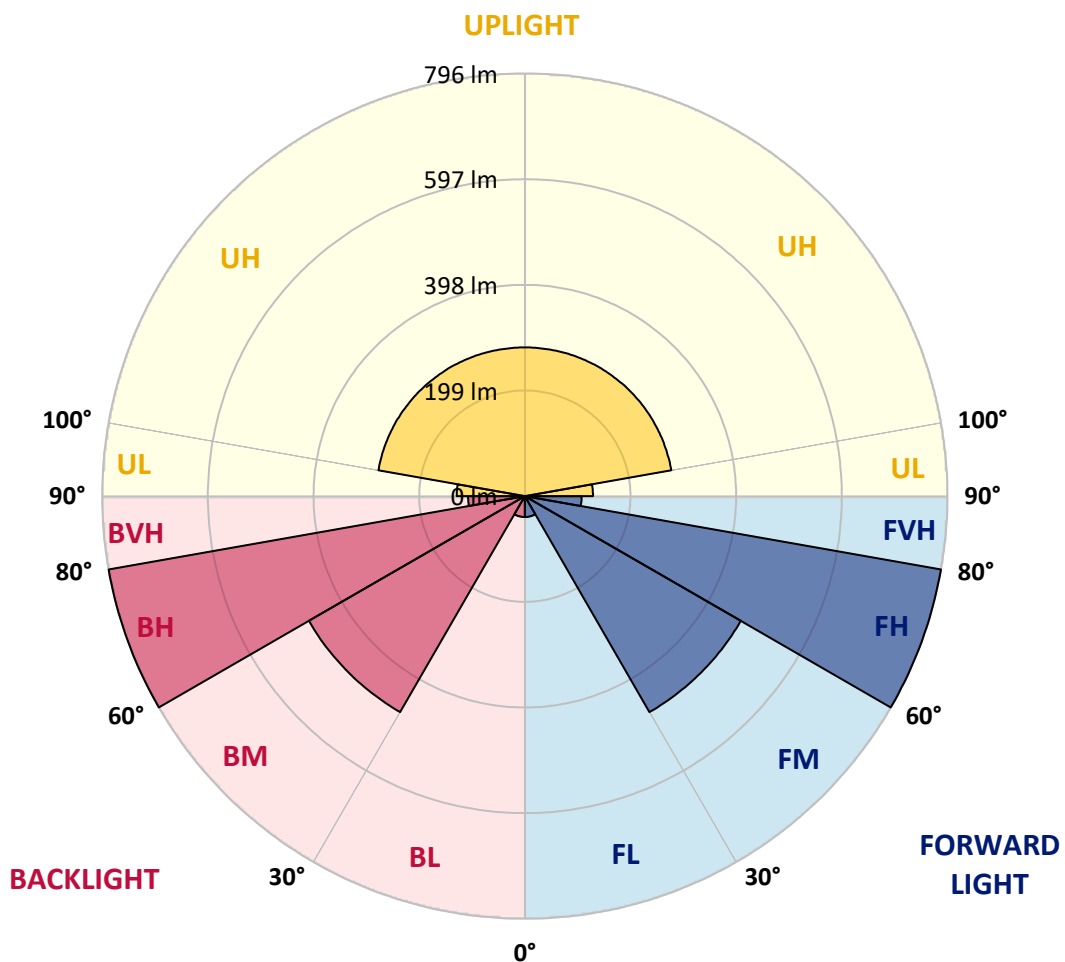
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	39.4	1.2			
FM (30°-60°)	469.7	14.5			
FH (60°-80°)	795.9	24.6			G1/1800
FVH (80°-90°)	107.0	3.3			G2/225
BL (0°-30°)	39.4	1.2	B0/110		
BM (30°-60°)	469.7	14.5	B1/1000		
BH (60°-80°)	795.9	24.6	B2/1000		G1/1800
BVH (80°-90°)	107.0	3.3			G2/225
UL (90°-100°)	128.4	4.0		U3/500	
UH (100°-180°)	280.1	8.7		U3/500	

**BUG Rating: B2-U3-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
2.5°	84.7	86.1	82.4	79.3	78.0	78.3	81.4	84.4	81.4	82.4	82.4
5°	70.2	70.6	70.6	69.9	70.9	68.9	66.5	66.5	68.9	71.6	71.6
7.5°	67.9	68.9	71.6	71.6	72.6	69.2	65.8	66.2	69.5	73.6	74.6
10°	69.9	69.9	69.2	69.9	72.2	71.9	68.2	66.5	68.9	72.9	74.3
12.5°	72.9	72.9	74.9	78.0	78.3	75.3	71.6	71.2	73.9	76.6	76.6
15°	77.3	77.6	78.7	78.3	79.3	78.3	77.3	78.0	79.7	79.7	79.7
17.5°	83.0	83.0	83.0	83.0	83.0	83.4	83.7	83.7	83.7	84.4	84.4
20°	89.5	89.5	89.1	88.8	88.8	89.1	89.5	89.5	89.5	90.1	90.1
22.5°	97.6	97.2	96.5	96.5	96.5	96.9	96.2	95.9	95.5	95.9	95.9
25°	107.0	107.0	106.3	105.3	105.3	105.0	104.0	103.6	103.3	104.0	103.6
27.5°	116.5	116.5	115.4	114.1	114.1	114.1	113.4	112.7	112.1	112.4	112.4
30°	125.2	124.6	124.2	123.2	122.9	123.2	122.5	122.5	121.2	120.8	121.5
32.5°	133.3	132.7	133.3	132.3	131.3	132.3	132.0	132.0	130.0	129.3	130.0
35°	155.6	153.9	155.3	152.9	151.6	151.9	152.6	153.9	151.9	150.9	151.2
37.5°	179.6	179.2	183.6	187.3	186.7	180.9	177.2	177.9	180.6	184.3	184.3
40°	201.9	201.2	202.2	200.9	200.9	200.2	199.8	201.5	196.1	194.8	193.8
42.5°	225.2	224.8	219.1	211.0	209.3	216.0	219.1	221.4	213.7	211.0	209.0
45°	248.1	243.4	242.4	239.7	237.0	241.4	241.0	242.7	239.0	238.7	237.0
47.5°	296.4	287.6	284.6	284.9	279.2	283.9	285.9	291.3	283.6	283.9	283.6
50°	383.5	372.3	377.4	374.0	367.9	373.7	373.3	383.1	370.3	375.0	373.0
52.5°	519.5	504.3	507.4	505.3	499.3	511.1	513.8	528.3	503.6	509.7	508.0
55°	716.3	699.8	706.5	682.2	675.8	699.1	707.9	724.7	692.0	695.4	693.7
57.5°	904.0	903.0	914.5	897.2	891.5	908.0	899.9	914.8	897.2	909.7	905.7
60°	1031.9	1034.6	1046.1	1051.2	1041.0	1049.8	1030.2	1041.4	1036.0	1054.2	1052.5
62.5°	1098.4	1107.2	1100.5	1100.8	1089.7	1096.4	1092.7	1099.1	1097.8	1099.4	1097.8
65°	1099.8	1110.6	1095.7	1089.0	1084.3	1087.0	1093.4	1093.4	1089.3	1077.2	1079.9
67.5°	1027.9	1044.1	1027.5	1018.1	1020.8	1019.8	1024.2	1018.4	1016.1	998.2	998.5
70°	851.0	877.0	852.7	843.9	851.0	855.4	855.0	850.3	846.6	824.3	830.7
72.5°	646.1	669.1	647.4	644.1	650.8	657.6	651.8	657.6	651.5	641.4	644.4
75°	487.8	507.4	507.4	520.2	522.2	518.5	502.6	509.0	513.1	513.4	516.5
77.5°	358.8	379.4	390.2	411.2	410.1	403.7	384.5	391.9	399.7	405.1	408.8
80°	255.2	270.7	286.6	301.4	303.5	298.1	286.3	290.6	295.4	299.1	301.1
82.5°	197.8	204.9	201.9	200.2	202.9	210.6	213.3	216.0	209.3	204.9	206.6
85°	172.5	173.2	178.6	182.3	183.3	183.3	180.6	182.6	184.3	188.7	188.7
87.5°	157.3	158.0	171.5	175.2	176.5	174.9	171.5	172.8	174.2	176.9	176.9
90°	139.8	141.8	155.3	158.3	159.7	157.0	156.0	157.0	155.3	156.3	156.3
92.5°	130.0	130.0	136.4	135.0	134.7	135.0	135.4	136.4	134.7	134.0	134.0
95°	118.8	120.5	118.8	120.2	119.8	118.1	117.5	118.1	117.1	117.1	117.8
97.5°	99.6	99.9	96.9	97.9	97.9	96.5	94.9	95.5	94.5	95.2	95.5
100°	93.2	92.2	87.1	86.4	86.1	85.1	84.1	84.1	83.7	83.4	83.7
102.5°	91.1	91.1	84.4	83.0	82.4	80.7	79.3	79.3	79.3	79.3	79.7
105°	83.4	85.7	80.7	79.7	78.7	76.6	74.6	74.3	74.9	74.3	75.3
107.5°	75.6	77.6	74.9	74.9	73.9	71.9	70.6	70.2	70.6	69.9	70.6
110°	71.2	72.2	69.2	69.2	68.5	66.8	66.5	66.2	66.2	65.1	65.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	65.8	65.8	63.5	62.8	62.8	61.8	61.4	61.1	61.1	61.1	61.4
115°	65.5	65.1	61.4	59.1	58.7	58.4	58.7	58.4	58.4	58.1	58.1
117.5°	80.0	76.6	64.1	58.4	58.4	58.7	60.1	59.1	56.7	56.7	56.4
120°	86.4	87.1	73.9	67.9	66.5	64.8	64.5	63.8	61.4	61.1	62.4
122.5°	76.3	79.7	71.6	69.2	67.9	65.8	64.5	64.1	64.1	62.4	64.8
125°	59.4	62.4	58.4	58.1	57.7	58.1	57.4	57.4	58.1	57.0	57.4
127.5°	51.0	52.3	50.6	50.6	50.3	50.0	49.3	49.6	49.3	49.6	50.0
130°	48.9	50.0	48.3	47.6	47.6	47.9	47.9	47.9	46.9	46.2	46.6
132.5°	48.6	48.3	45.6	44.2	44.2	46.6	47.6	47.6	45.2	43.5	43.5
135°	43.9	44.2	43.9	42.2	42.5	43.2	44.2	44.6	42.2	41.2	41.5
137.5°	42.2	43.2	43.5	42.9	42.9	42.2	41.9	42.2	41.5	41.9	41.9
140°	42.2	42.5	43.5	44.2	43.5	42.9	42.9	42.9	43.2	44.2	44.9
142.5°	43.2	43.5	43.2	42.9	43.9	45.6	46.9	46.9	45.9	45.2	45.6
145°	49.6	50.6	50.6	49.6	50.3	49.6	49.6	48.9	48.9	48.9	49.3
147.5°	47.3	46.9	47.6	48.6	47.6	47.3	47.3	47.6	48.3	48.6	48.9
150°	37.1	36.1	36.8	38.8	38.5	38.5	38.5	38.8	39.2	39.2	39.5
152.5°	29.4	29.4	30.0	30.0	30.4	30.4	30.0	30.0	30.0	30.4	30.4
155°	26.3	26.0	26.7	27.7	27.0	27.0	27.0	27.0	27.0	27.0	27.3
157.5°	23.0	22.6	22.6	23.0	23.0	23.0	23.0	23.3	23.3	23.0	23.3
160°	20.9	20.9	20.6	20.6	20.6	20.9	21.3	21.3	20.9	20.6	20.6
162.5°	19.9	19.9	19.2	18.9	18.9	19.2	19.9	19.9	19.2	18.9	18.9
165°	19.9	19.6	18.6	17.9	17.9	18.6	19.6	19.6	18.6	17.9	17.9
167.5°	19.6	19.6	18.9	18.2	18.2	18.9	19.2	19.6	19.2	18.6	18.2
170°	18.9	18.9	19.2	19.2	18.9	18.9	18.9	18.9	19.2	19.2	19.2
172.5°	19.6	19.2	19.6	19.9	19.9	19.6	19.2	19.2	19.6	19.9	19.9
175°	19.9	19.9	19.6	19.6	19.6	19.2	19.2	19.2	19.6	19.9	19.6
177.5°	17.9	17.9	17.6	17.9	17.9	17.9	17.6	17.9	17.9	17.9	18.2
180°	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9



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  
 Rf: 76.2  
 Rg: 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**

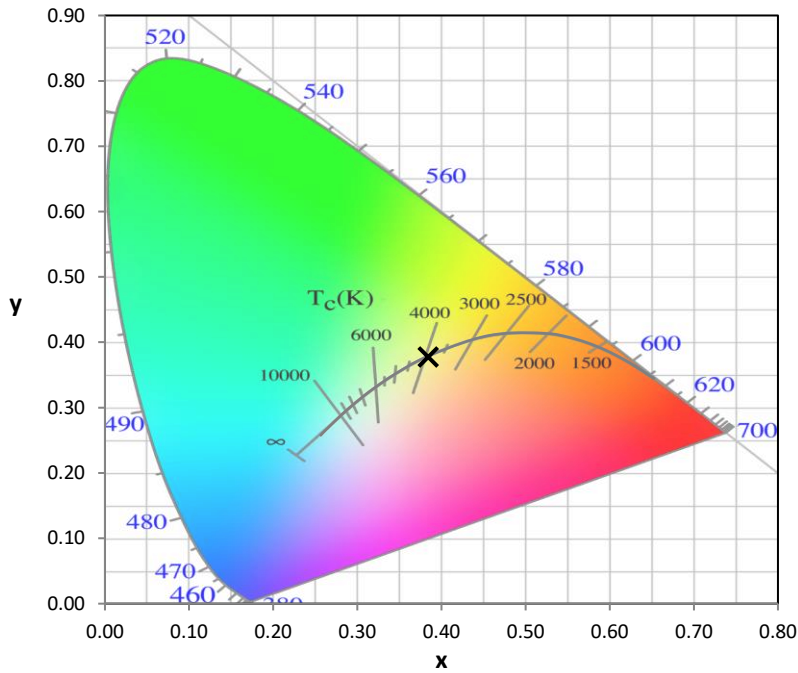
Stabilization Time: 0.818109M  
 Operation Time: 1H  
 Sphere Temperature (°C): 24.6

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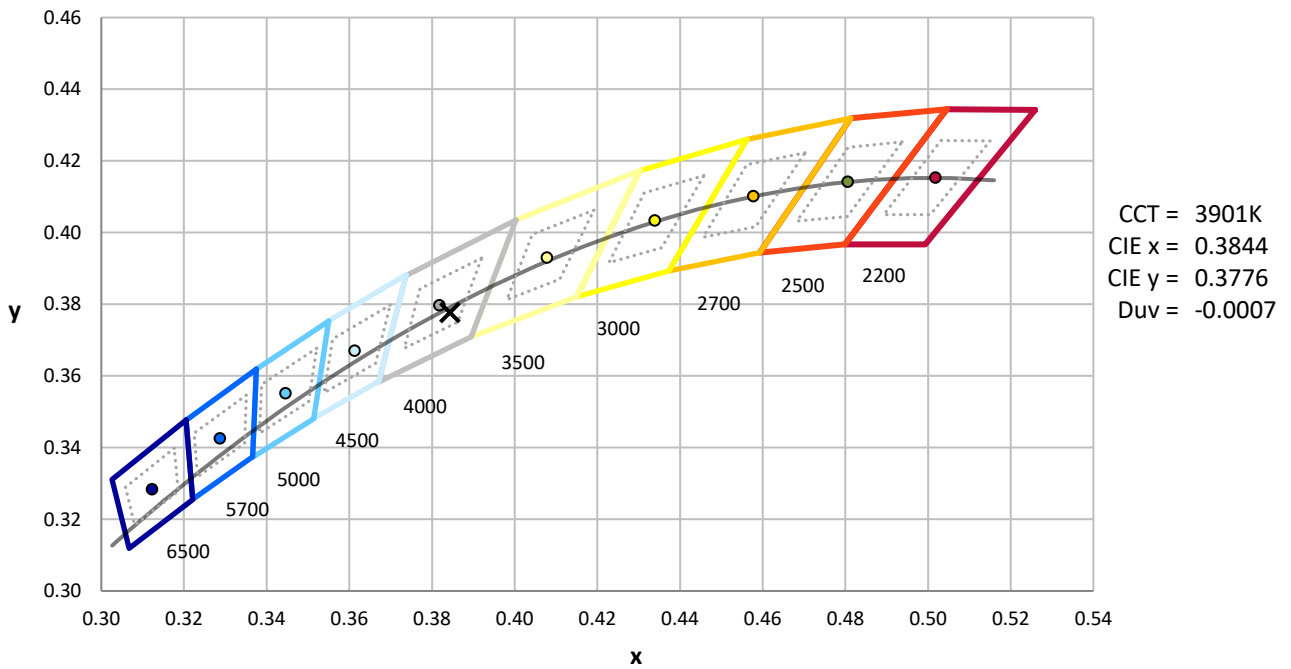
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	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 4000K 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	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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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.53

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	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 <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	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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**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 ( $R_{f,i}$ )**

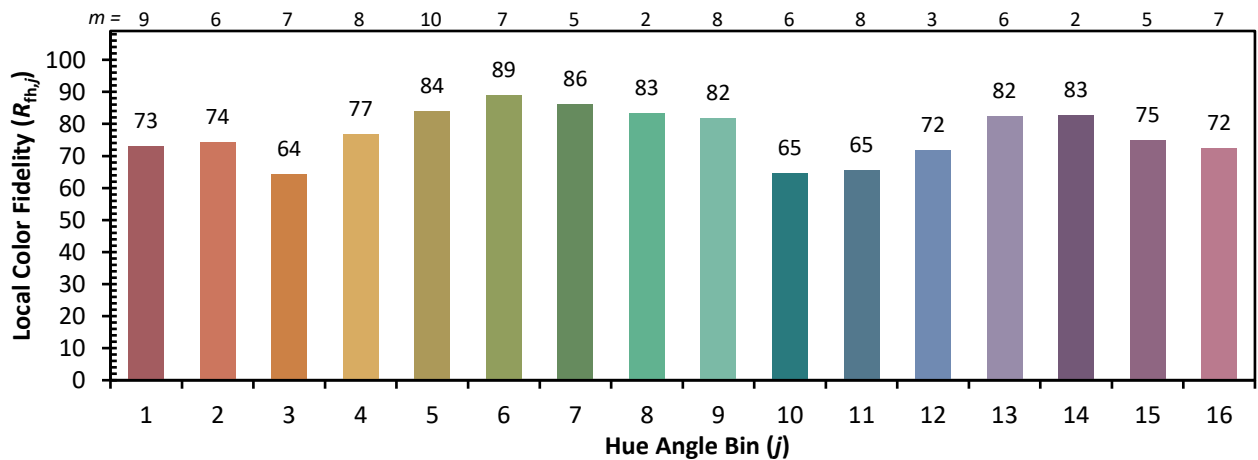
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CES02 = 61	CES27 = 90	CES52 = 88	CES77 = 72
CES03 = 30	CES28 = 83	CES53 = 80	CES78 = 59
CES04 = 70	CES29 = 72	CES54 = 86	CES79 = 84
CES05 = 48	CES30 = 89	CES55 = 84	CES80 = 81
CES06 = 51	CES31 = 75	CES56 = 77	CES81 = 79
CES07 = 40	CES32 = 66	CES57 = 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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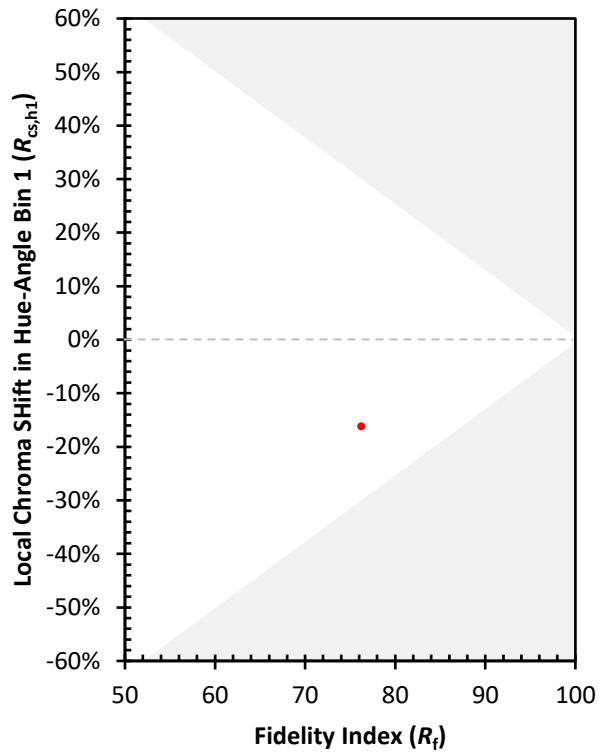
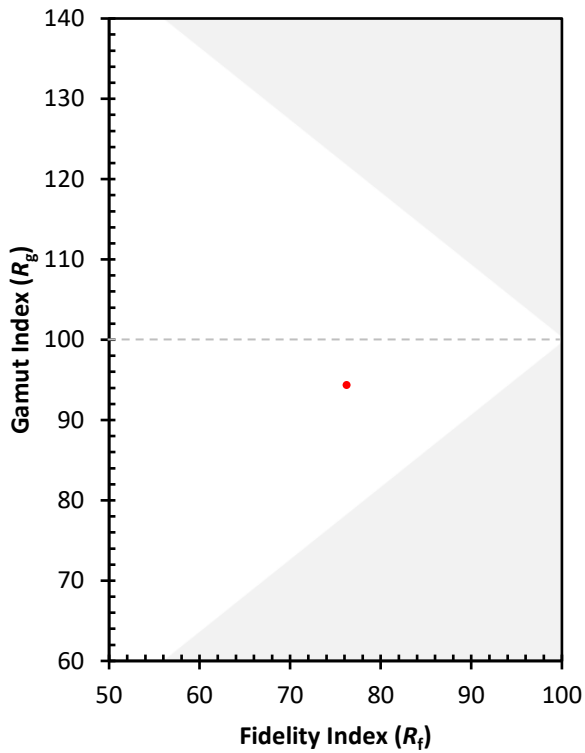
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)