

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: P856355

Luminaire Tested: **FFX-CLB-80-740-U-VM8**

Issue Date: 07/16/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P856355  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 07/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: FFX-CLB-80-740-U-VM8  
Description: FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK  
Light Source: (6) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

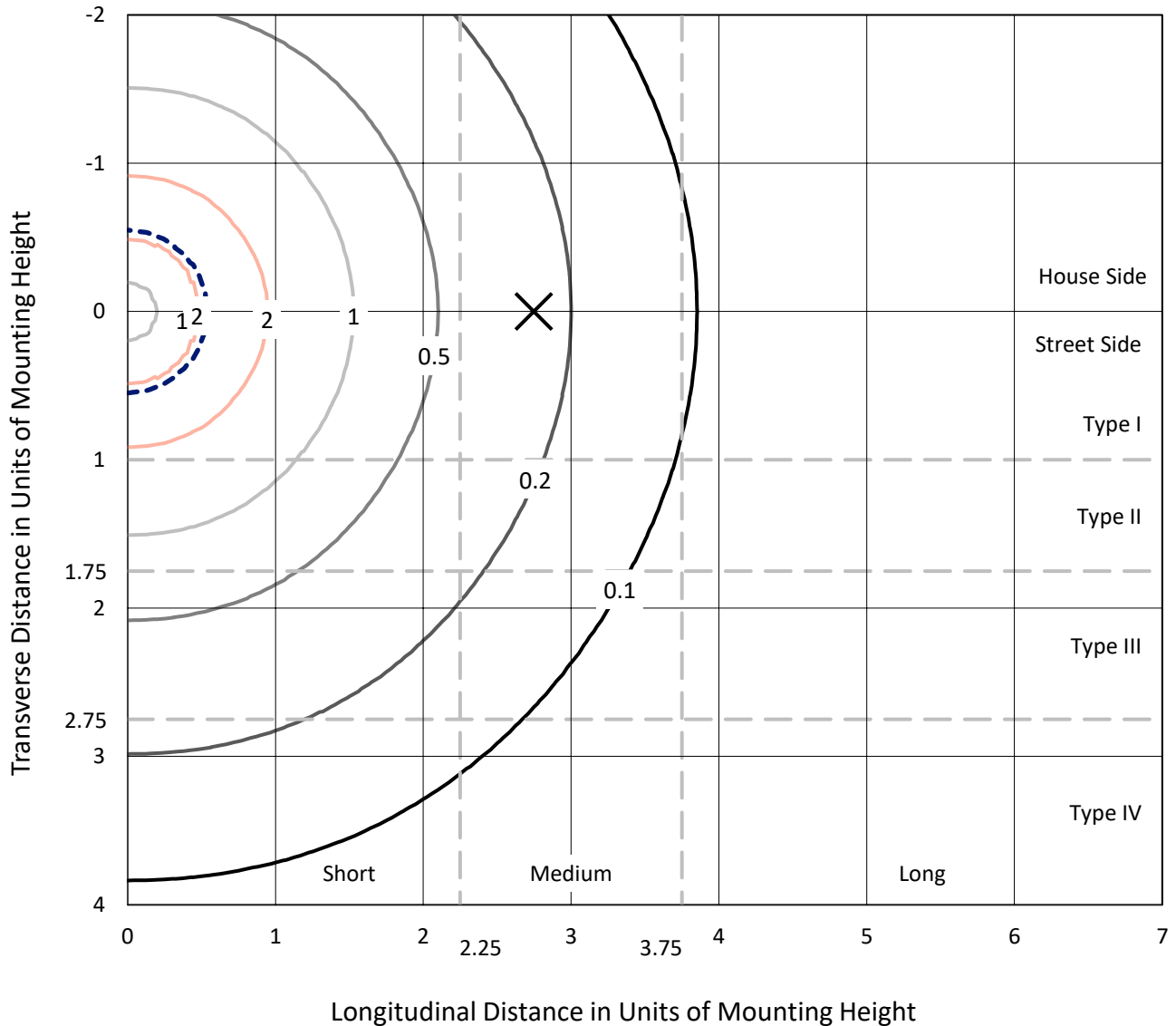
Lumens per Lamp: N/A  
Luminaire Lumens: 13153.2 lumens  
Efficiency: N/A  
Efficacy: 162.8 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.08')  
IES Classification: Type V - Short  
BUG Rating: B3 - U5 - G4

Input Watts (W): 80.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.99  
Total Harmonic Distortion (THDi): 6.1%%  
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

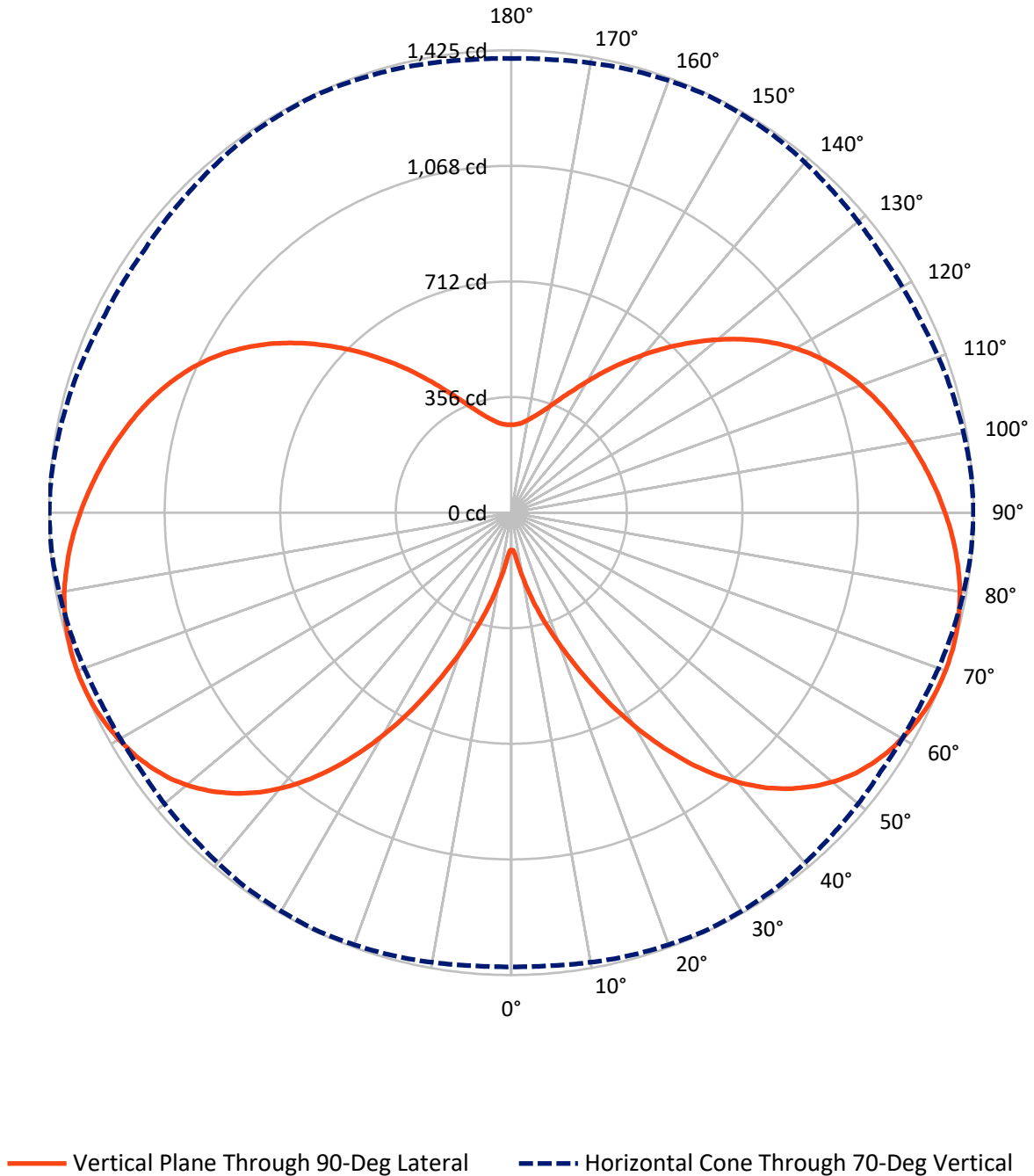
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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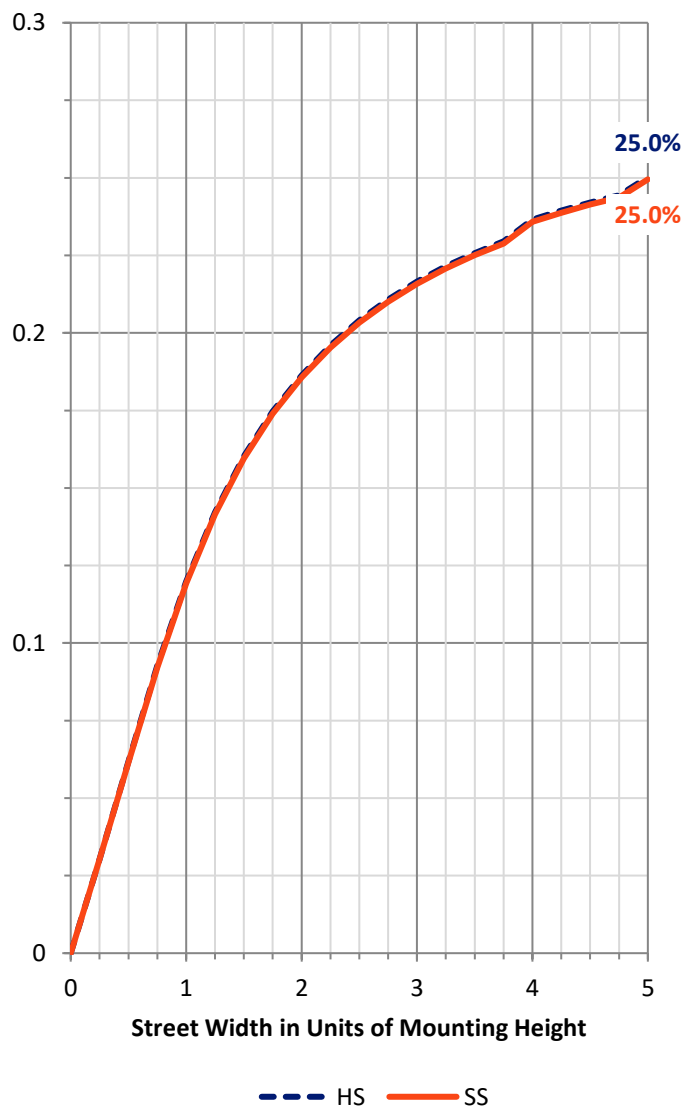
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3724.9	2851.7	6576.6
	% Fixture	28.3	21.7	50.0
<b>Street Side</b>	Lumens	3724.9	2851.7	6576.6
	% Fixture	28.3	21.7	50.0
<b>Total</b>	Lumens	7449.8	5703.5	13153.2
	% Fixture	56.6	43.4	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.5	0.1
10°-20°	94.2	0.7
20°-30°	281.0	2.1
30°-40°	587.5	4.5
40°-50°	922.1	7.0
50°-60°	1196.8	9.1
60°-70°	1385.4	10.5
70°-80°	1483.1	11.3
80°-90°	1484.3	11.3
90°-100°	1399.8	10.6
100°-110°	1252.5	9.5
110°-120°	1053.1	8.0
120°-130°	807.8	6.1
130°-140°	552.7	4.2
140°-150°	337.2	2.6
150°-160°	184.4	1.4
160°-170°	89.4	0.7
170°-180°	26.6	0.2
0°-90°	7449.8	56.6
0°-180°	13153.2	100.0

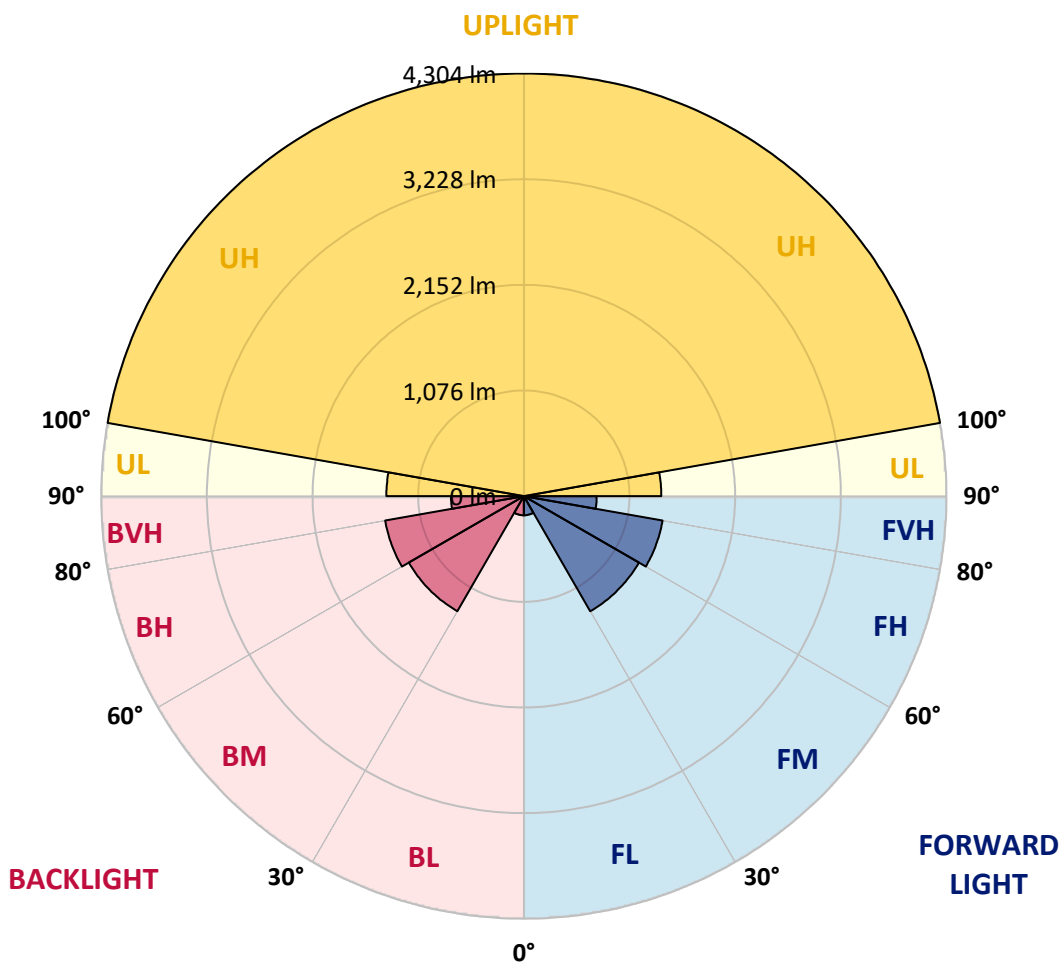


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	195.3	1.5			
FM (30°-60°)	1353.2	10.3			
FH (60°-80°)	1434.2	10.9			G1/1800
FVH (80°-90°)	742.2	5.6			G4/750
BL (0°-30°)	195.3	1.5	B1/500		
BM (30°-60°)	1353.2	10.3	B2/2500		
BH (60°-80°)	1434.2	10.9	B3/2500		G1/1800
BVH (80°-90°)	742.2	5.6			G4/750
UL (90°-100°)	1399.8	10.6		U5	
UH (100°-180°)	4303.7	32.7		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°	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5
2.5°	120.5	120.5	119.7	119.7	118.9	118.0	118.0	118.0	117.2	117.2	116.3
5°	137.4	136.6	136.6	135.7	136.6	135.7	135.7	135.7	135.7	134.0	134.0
7.5°	170.3	169.4	169.4	168.6	170.3	168.6	168.6	169.4	169.4	168.6	168.6
10°	213.3	212.4	212.4	210.7	212.4	211.6	211.6	209.9	210.7	209.9	210.7
12.5°	264.7	262.2	262.2	261.3	263.0	262.2	261.3	259.6	261.3	260.5	260.5
15°	317.8	318.6	317.8	317.0	318.6	318.6	317.8	316.1	317.8	316.1	317.0
17.5°	376.8	376.8	376.8	374.3	376.8	377.7	376.8	375.1	376.0	376.8	376.8
20°	440.9	440.9	441.7	440.0	444.2	441.7	440.9	440.0	440.9	441.7	442.6
22.5°	511.7	511.7	512.5	511.7	514.2	514.2	513.4	513.4	514.2	515.9	515.9
25°	590.1	590.9	590.9	588.4	594.3	596.0	594.3	594.3	596.0	598.5	598.5
27.5°	671.0	674.4	672.7	672.7	680.3	681.1	680.3	681.1	683.7	686.2	687.0
30°	754.5	757.0	760.4	757.8	766.3	767.1	767.9	768.8	772.2	776.4	776.4
32.5°	837.9	840.4	842.1	842.1	853.1	852.2	851.4	854.8	859.8	861.5	864.0
35°	921.4	921.4	923.1	923.9	934.9	934.0	935.7	938.2	943.3	946.7	948.3
37.5°	996.4	994.7	998.9	1000.6	1009.0	1009.9	1010.7	1014.9	1020.8	1025.1	1026.7
40°	1064.7	1063.0	1068.0	1070.6	1078.2	1078.2	1079.9	1084.9	1091.7	1095.9	1096.7
42.5°	1125.4	1124.5	1129.6	1133.0	1140.5	1139.7	1138.9	1145.6	1153.2	1158.2	1159.9
45°	1177.6	1176.8	1183.5	1187.8	1193.7	1192.0	1192.0	1197.9	1206.3	1212.2	1213.0
47.5°	1222.3	1222.3	1229.9	1235.0	1240.0	1237.5	1235.8	1241.7	1250.1	1258.6	1259.4
50°	1261.9	1261.1	1269.5	1275.4	1279.6	1276.3	1273.7	1279.6	1288.9	1297.3	1299.0
52.5°	1293.1	1294.8	1303.2	1310.8	1314.2	1309.1	1304.9	1310.8	1320.9	1330.2	1331.9
55°	1320.1	1320.9	1330.2	1339.5	1341.2	1334.4	1329.4	1334.4	1345.4	1355.5	1357.2
57.5°	1341.2	1342.9	1353.8	1362.2	1363.1	1355.5	1349.6	1353.8	1365.6	1375.7	1378.3
60°	1359.7	1361.4	1371.5	1380.8	1381.6	1372.4	1364.8	1368.1	1380.8	1392.6	1394.3
62.5°	1374.0	1376.6	1387.5	1396.0	1396.0	1385.0	1375.7	1379.1	1392.6	1405.2	1406.9
65°	1385.8	1388.4	1399.3	1407.8	1406.9	1394.3	1384.2	1387.5	1401.9	1414.5	1417.0
67.5°	1394.3	1396.0	1407.8	1416.2	1412.8	1399.3	1389.2	1391.8	1406.9	1419.6	1422.1
70°	1399.3	1401.0	1412.8	1420.4	1415.4	1401.0	1390.1	1393.4	1408.6	1422.1	1424.6
72.5°	1401.9	1404.4	1415.4	1422.1	1416.2	1400.2	1388.4	1392.6	1407.8	1422.1	1423.8
75°	1401.0	1402.7	1413.7	1419.6	1412.0	1396.8	1384.2	1388.4	1404.4	1417.0	1419.6
77.5°	1396.8	1398.5	1408.6	1413.7	1404.4	1389.2	1377.4	1381.6	1396.8	1409.5	1412.0
80°	1390.1	1391.8	1401.0	1404.4	1395.1	1379.9	1369.0	1373.2	1387.5	1399.3	1401.9
82.5°	1379.1	1381.6	1390.1	1391.8	1381.6	1368.1	1357.2	1361.4	1374.9	1385.8	1387.5
85°	1365.6	1367.3	1374.9	1375.7	1365.6	1353.8	1344.5	1348.8	1360.6	1369.0	1371.5
87.5°	1350.4	1350.4	1358.0	1358.0	1347.1	1336.1	1329.4	1332.7	1343.7	1350.4	1353.0
90°	1331.9	1332.7	1337.8	1337.0	1326.8	1317.6	1311.7	1315.9	1325.2	1331.1	1332.7
92.5°	1311.7	1312.5	1316.7	1315.0	1304.9	1297.3	1292.3	1297.3	1305.8	1310.0	1311.7
95°	1289.8	1290.6	1294.0	1290.6	1281.3	1275.4	1271.2	1277.1	1283.8	1288.1	1289.8
97.5°	1267.0	1267.8	1270.4	1267.0	1256.9	1251.8	1250.1	1255.2	1261.9	1265.3	1267.0
100°	1243.4	1243.4	1245.1	1240.0	1231.6	1227.4	1226.5	1232.4	1239.2	1242.5	1244.2
102.5°	1217.3	1218.1	1218.1	1213.0	1204.6	1202.1	1202.1	1208.8	1215.6	1218.1	1219.8
105°	1190.3	1190.3	1190.3	1186.1	1176.8	1175.1	1175.9	1182.7	1190.3	1193.7	1195.3
107.5°	1160.8	1161.6	1159.9	1155.7	1148.1	1146.4	1148.1	1157.4	1164.1	1167.5	1169.2
110°	1129.6	1130.4	1129.6	1124.5	1117.8	1116.9	1119.5	1128.7	1135.5	1138.9	1141.4



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 CATALOG NUMBER: FFX-CLB-80-740-U-VM8

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1096.7	1097.6	1096.7	1092.5	1085.8	1085.8	1089.1	1098.4	1106.0	1108.5	1111.0
115°	1062.1	1063.0	1061.3	1057.9	1051.2	1052.9	1056.2	1065.5	1073.1	1075.6	1079.0
117.5°	1025.1	1025.9	1025.1	1020.8	1014.9	1016.6	1021.7	1031.0	1037.7	1040.2	1043.6
120°	984.6	984.6	984.6	980.4	974.5	977.9	982.9	993.0	998.9	1000.6	1004.0
122.5°	943.3	941.6	941.6	939.1	932.3	936.5	941.6	951.7	957.6	958.5	961.0
125°	897.8	898.6	896.1	894.4	888.5	893.6	897.8	907.9	912.9	913.8	916.3
127.5°	848.9	851.4	848.9	846.3	842.1	847.2	852.2	861.5	865.7	866.6	868.3
130°	803.4	803.4	800.8	799.1	794.9	800.0	805.0	813.5	817.7	817.7	819.4
132.5°	757.8	755.3	754.5	752.8	747.7	753.6	757.0	765.4	768.8	767.9	769.6
135°	708.1	708.1	705.6	704.7	700.5	706.4	709.8	717.4	719.9	719.1	720.7
137.5°	661.7	661.7	660.0	658.4	655.8	660.9	664.3	670.2	672.7	670.2	672.7
140°	616.2	616.2	615.4	613.7	611.2	616.2	618.7	623.8	626.3	623.8	625.5
142.5°	574.1	572.4	571.5	570.7	567.3	572.4	574.1	579.1	580.0	578.3	580.8
145°	529.4	530.2	529.4	528.5	526.0	530.2	531.9	536.1	537.0	535.3	537.8
147.5°	492.3	489.8	490.6	489.8	487.2	491.5	492.3	494.8	496.5	494.8	496.5
150°	455.2	453.5	453.5	452.7	451.0	454.4	455.2	457.7	458.6	456.9	458.6
152.5°	422.3	421.5	421.5	420.6	419.0	421.5	422.3	424.0	424.9	423.2	424.0
155°	392.8	392.0	392.0	391.1	389.5	392.0	392.0	393.7	394.5	393.7	394.5
157.5°	366.7	365.9	365.9	365.9	364.2	365.9	365.9	367.5	367.5	366.7	367.5
160°	345.6	343.9	344.8	343.9	342.2	343.9	343.9	344.8	344.8	344.8	344.8
162.5°	326.2	326.2	326.2	325.4	324.5	325.4	325.4	326.2	326.2	326.2	325.4
165°	311.1	311.1	311.1	310.2	309.4	310.2	310.2	310.2	310.2	310.2	310.2
167.5°	298.4	297.6	298.4	297.6	296.7	297.6	297.6	297.6	297.6	297.6	297.6
170°	287.5	287.5	287.5	287.5	286.6	287.5	287.5	287.5	287.5	287.5	287.5
172.5°	280.7	279.9	279.9	279.9	279.0	279.9	279.0	279.9	279.0	279.9	279.0
175°	274.8	274.8	274.8	274.8	274.0	274.0	274.0	274.0	274.0	274.0	274.0
177.5°	271.4	271.4	271.4	271.4	271.4	271.4	271.4	271.4	271.4	271.4	271.4
180°	270.6	270.6	270.6	270.6	270.6	270.6	270.6	270.6	270.6	270.6	270.6



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<sub>f</sub>: 76.2  
 R<sub>g</sub>: 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**

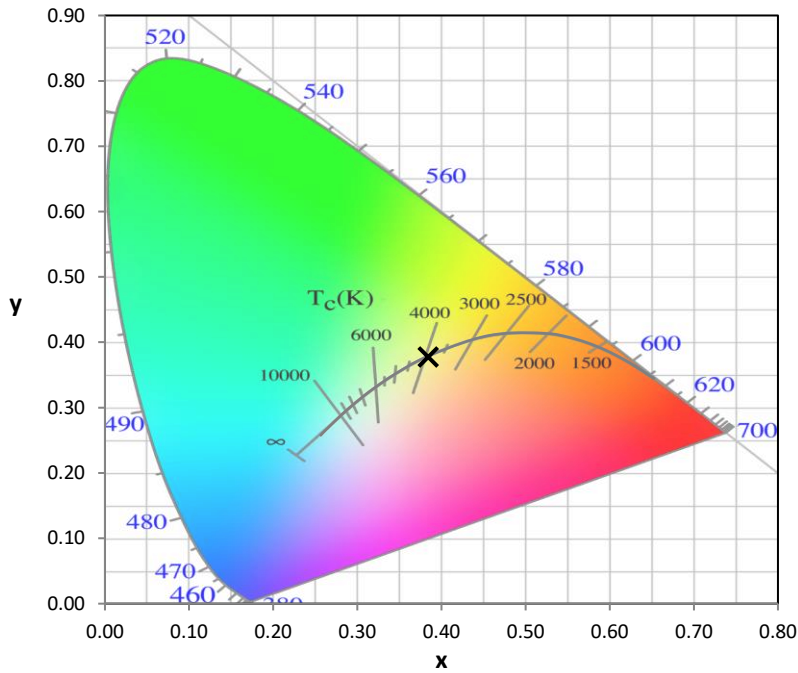
Stabilization Time: 0.818109M  
 Operation Time: 1H  
 Sphere Temperature (°C): 24.6

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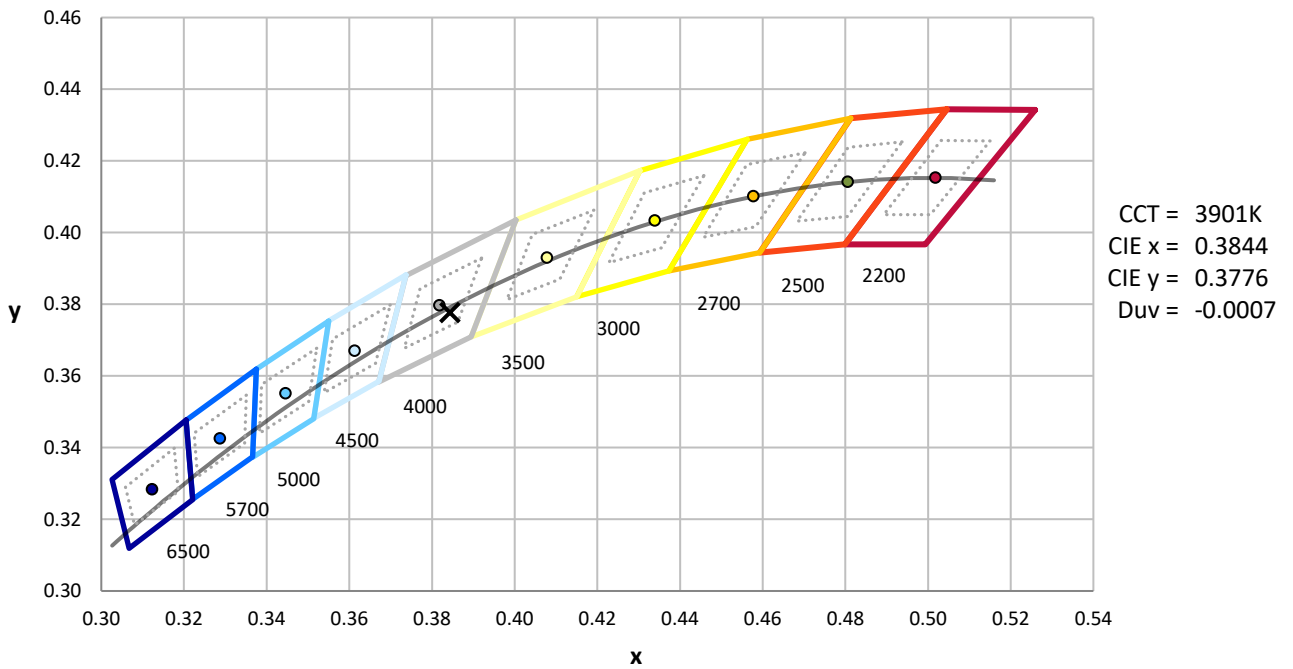
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	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 ( $R_{f,i}$ )**

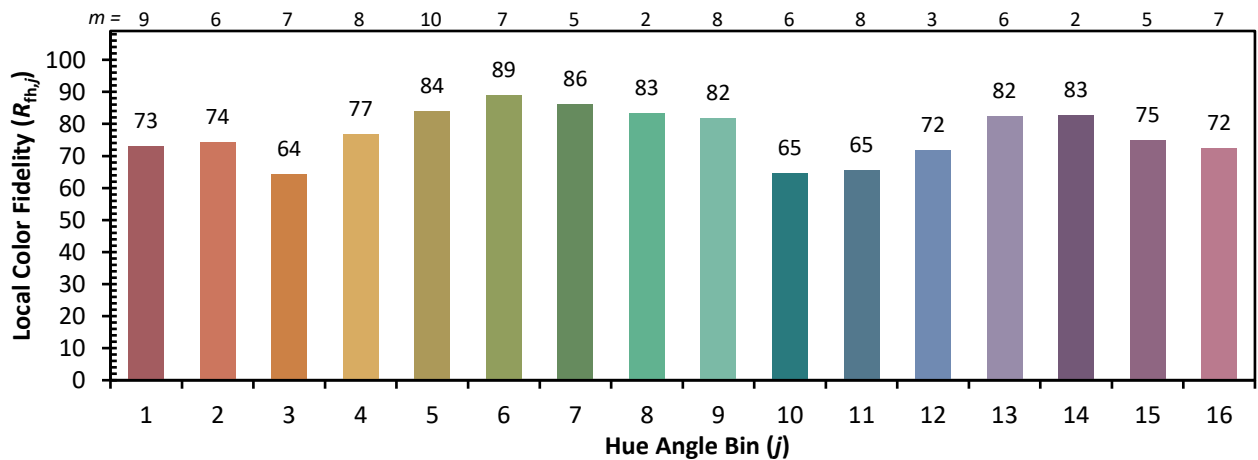
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CES04 = 70	CES29 = 72	CES54 = 86	CES79 = 84
CES05 = 48	CES30 = 89	CES55 = 84	CES80 = 81
CES06 = 51	CES31 = 75	CES56 = 77	CES81 = 79
CES07 = 40	CES32 = 66	CES57 = 76	CES82 = 92
CES08 = 39	CES33 = 83	CES58 = 76	CES83 = 92
CES09 = 29	CES34 = 74	CES59 = 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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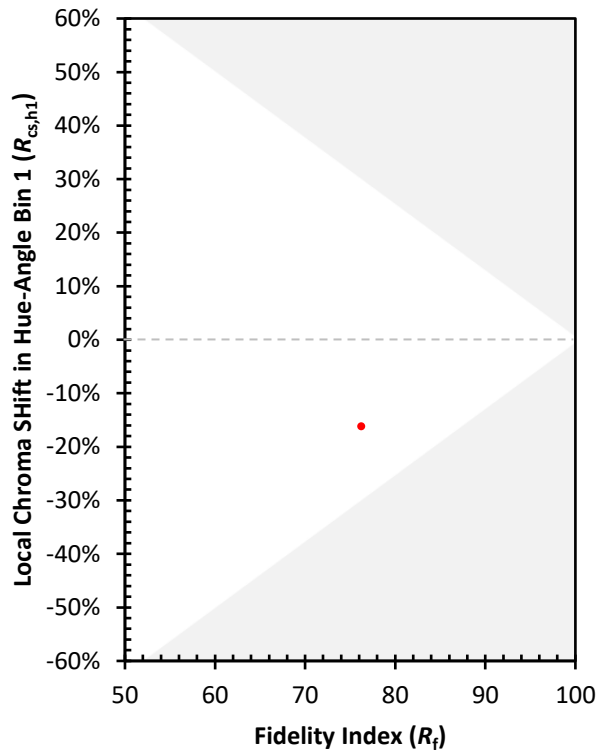
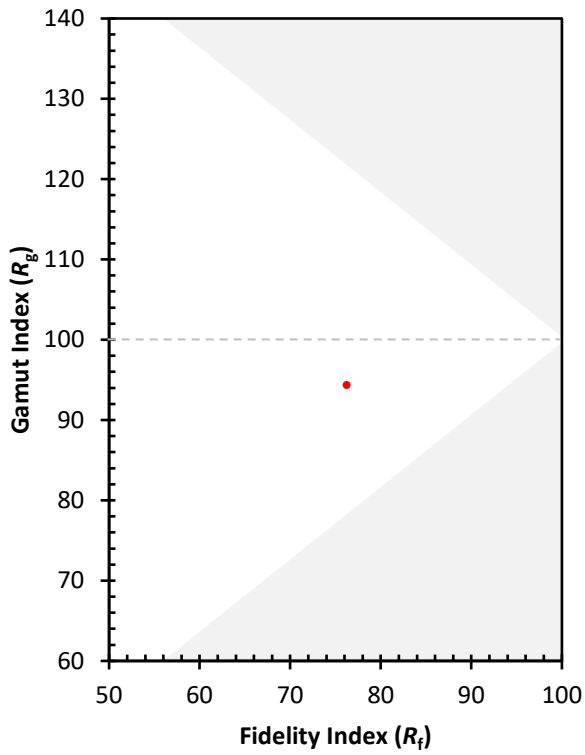
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)