

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: P856310

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

Issue Date: 07/16/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P856310  
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-FG  
Description: FAIRFAX POST TOP FIXTURE w/ FROSTED GLOBE  
Light Source: (6) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

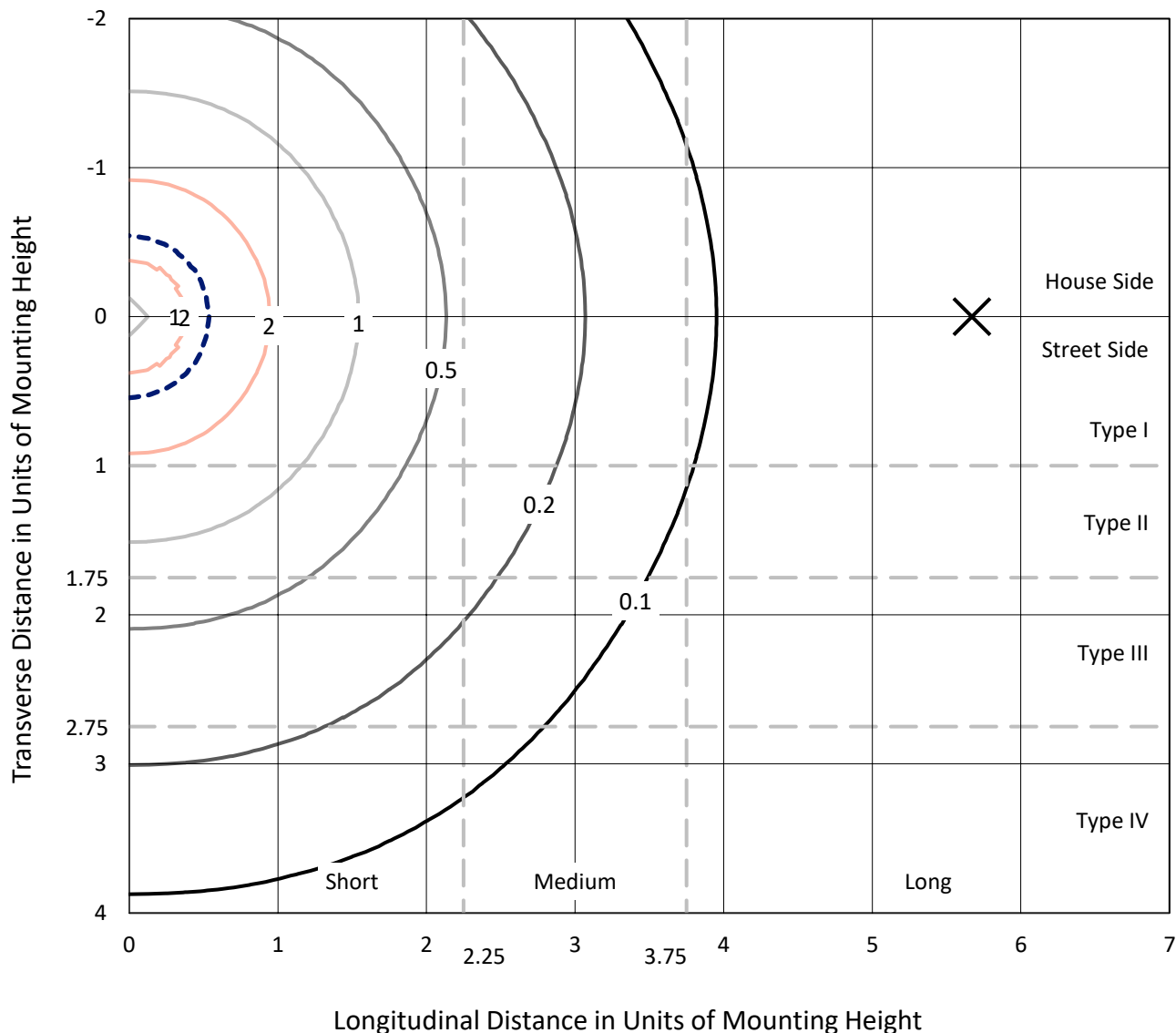
Lumens per Lamp: N/A  
Luminaire Lumens: 13700.4 lumens  
Efficiency: N/A  
Efficacy: 169.6 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 1.5')  
IES Classification: Type V - Short  
BUG Rating: B3 - U5 - G5

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

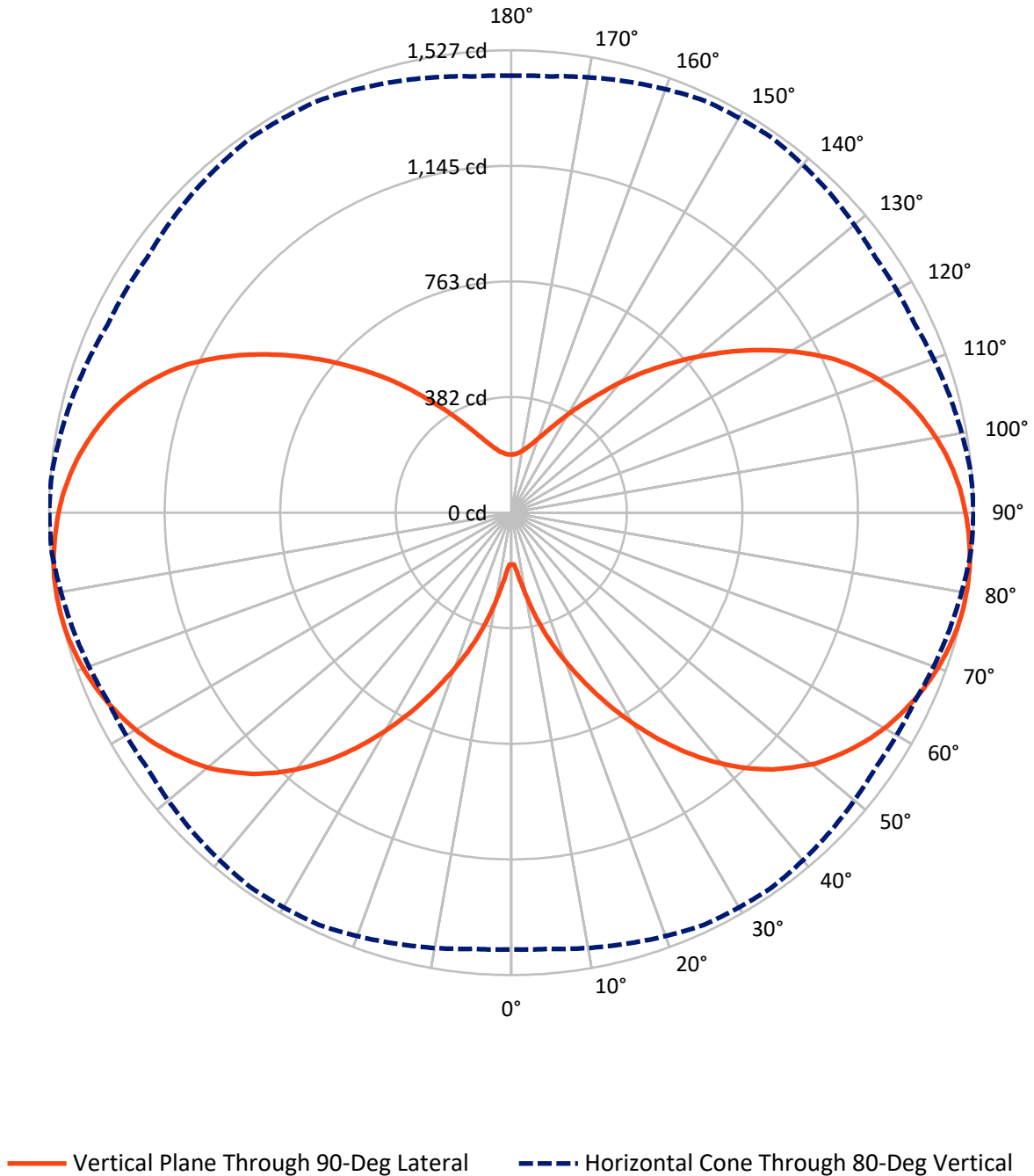
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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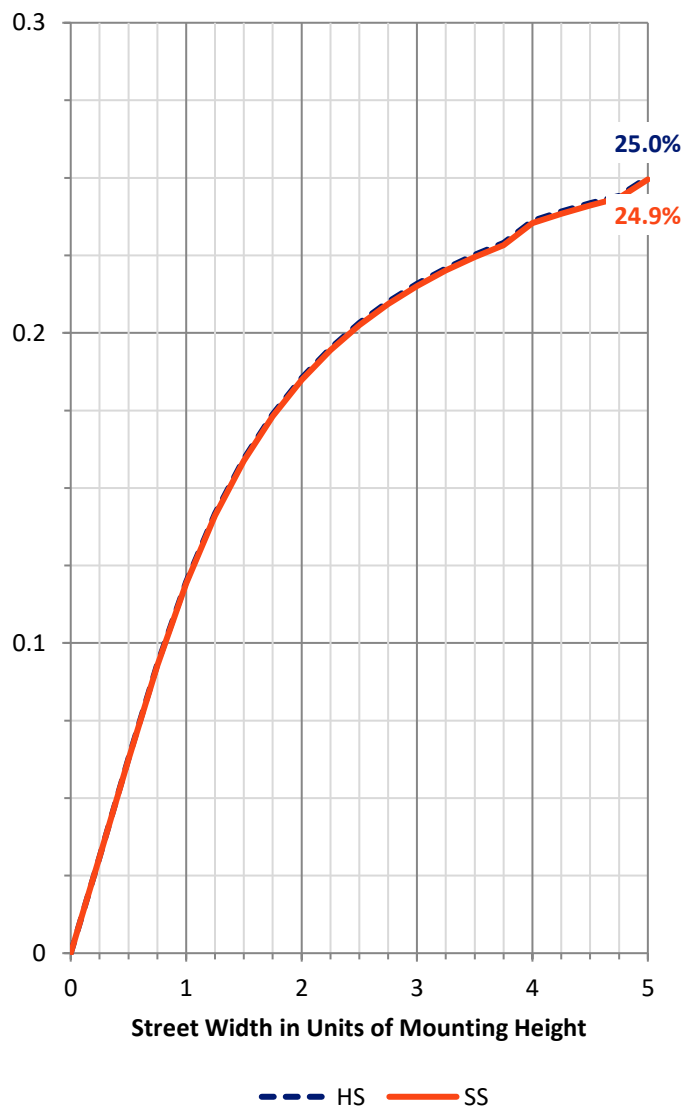
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3897.9	2952.3	6850.2
	% Fixture	28.5	21.5	50.0
<b>Street Side</b>	Lumens	3897.9	2952.3	6850.2
	% Fixture	28.5	21.5	50.0
<b>Total</b>	Lumens	7795.8	5904.6	13700.4
	% Fixture	56.9	43.1	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.8	0.2
10°-20°	119.5	0.9
20°-30°	314.3	2.3
30°-40°	601.0	4.4
40°-50°	923.8	6.7
50°-60°	1210.2	8.8
60°-70°	1428.3	10.4
70°-80°	1567.0	11.4
80°-90°	1610.0	11.8
90°-100°	1551.1	11.3
100°-110°	1390.8	10.2
110°-120°	1130.1	8.2
120°-130°	807.5	5.9
130°-140°	510.7	3.7
140°-150°	286.0	2.1
150°-160°	144.0	1.1
160°-170°	65.4	0.5
170°-180°	19.0	0.1
0°-90°	7795.8	56.9
0°-180°	13700.4	100.0



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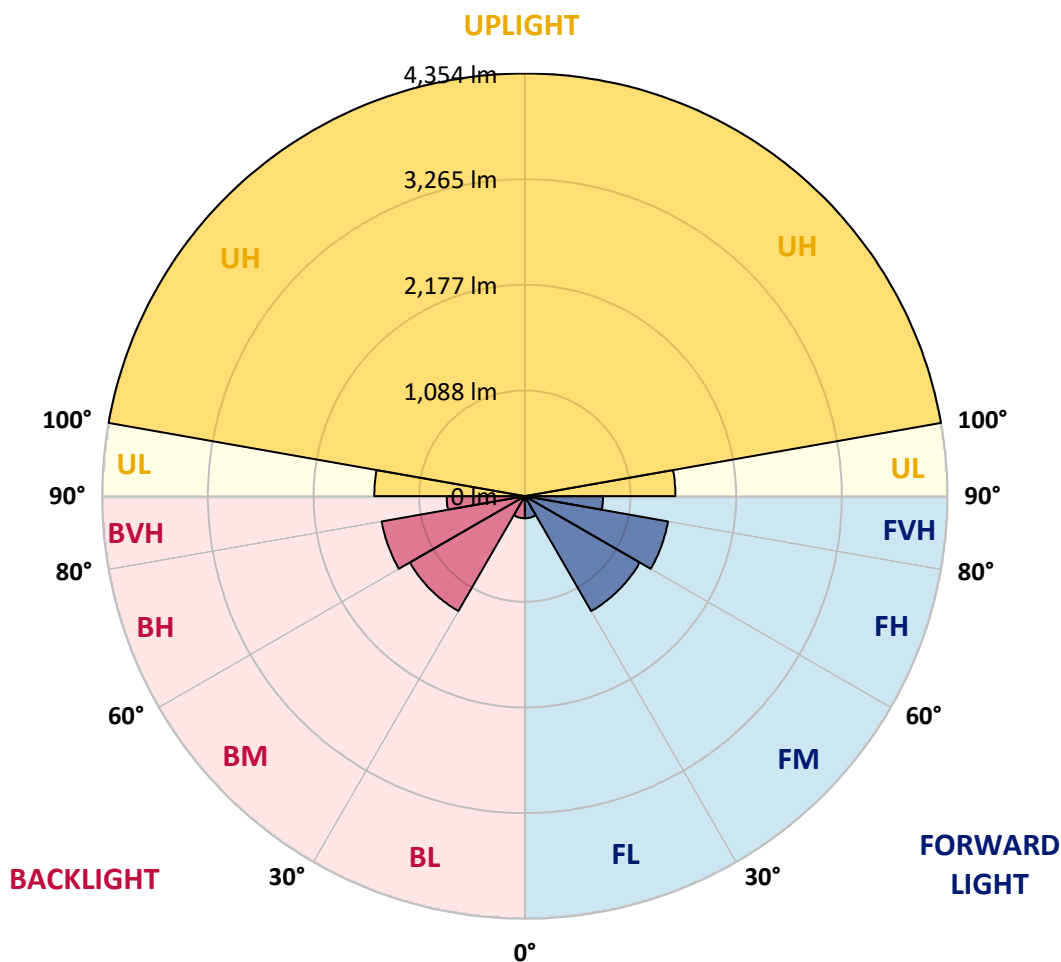
CATALOG NUMBER: FFX-CLB-80-740-U-FG

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	227.8	1.7			
FM (30°-60°)	1367.5	10.0			
FH (60°-80°)	1497.6	10.9			G1/1800
FVH (80°-90°)	805.0	5.9			G5
BL (0°-30°)	227.8	1.7	B1/500		
BM (30°-60°)	1367.5	10.0	B2/2500		
BH (60°-80°)	1497.6	10.9	B3/2500		G1/1800
BVH (80°-90°)	805.0	5.9			G5
UL (90°-100°)	1551.1	11.3		U5	
UH (100°-180°)	4353.6	31.8		U5	

**BUG Rating: B3-U5-G5**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	172.0	172.0	172.0	172.0	172.0	172.0	172.0	172.0	172.0	172.0	172.0
2.5°	180.4	180.4	179.6	177.9	177.1	176.2	174.5	172.0	171.2	171.2	171.2
5°	196.4	197.3	197.3	196.4	197.3	195.6	195.6	193.9	194.8	194.8	195.6
7.5°	236.1	236.1	236.9	236.9	237.8	236.1	236.9	236.1	236.9	236.9	236.9
10°	287.5	287.5	289.2	287.5	288.3	286.7	285.8	285.8	288.3	287.5	286.7
12.5°	345.7	347.4	346.5	345.7	347.4	345.7	344.0	344.8	348.2	346.5	345.7
15°	407.2	408.9	410.6	408.1	408.9	408.1	407.2	408.1	411.4	409.8	408.9
17.5°	469.6	470.5	472.1	468.8	469.6	470.5	469.6	470.5	473.0	472.1	471.3
20°	532.0	533.7	535.4	532.0	532.8	533.7	532.8	533.7	537.1	535.4	534.5
22.5°	597.8	598.6	602.0	597.8	599.5	600.3	598.6	600.3	603.7	602.0	601.1
25°	666.1	665.2	670.3	666.9	667.7	669.4	667.7	669.4	673.6	673.6	671.1
27.5°	736.0	736.0	740.2	737.7	739.4	738.6	740.2	741.9	746.2	747.0	744.5
30°	806.0	806.0	812.8	808.5	811.1	811.9	811.9	813.6	818.7	820.3	817.0
32.5°	876.0	876.0	879.4	880.2	881.9	882.7	884.4	884.4	891.2	892.0	890.3
35°	944.3	944.3	947.7	949.3	953.6	951.9	954.4	954.4	962.0	962.8	962.0
37.5°	1009.2	1010.0	1014.3	1015.9	1019.3	1019.3	1021.0	1022.7	1029.4	1032.0	1031.1
40°	1070.7	1072.4	1075.8	1079.2	1082.6	1082.6	1083.4	1085.9	1093.5	1096.0	1095.2
42.5°	1126.4	1127.2	1132.3	1137.4	1140.7	1140.7	1141.6	1143.3	1151.7	1155.1	1155.1
45°	1175.3	1177.8	1184.6	1191.3	1194.7	1193.8	1193.8	1196.4	1205.6	1209.9	1209.9
47.5°	1220.8	1224.2	1231.8	1238.5	1241.9	1241.9	1241.1	1243.6	1253.7	1258.8	1256.2
50°	1261.3	1263.8	1272.3	1282.4	1284.9	1284.9	1282.4	1284.9	1295.9	1302.6	1302.6
52.5°	1295.0	1297.5	1307.7	1318.6	1322.0	1321.2	1317.8	1320.3	1331.3	1338.9	1338.0
55°	1323.7	1327.1	1338.0	1351.5	1354.9	1352.3	1348.1	1350.7	1362.5	1372.6	1371.7
57.5°	1349.8	1352.3	1365.0	1379.3	1384.4	1380.2	1374.3	1376.8	1390.3	1401.2	1402.1
60°	1371.7	1374.3	1388.6	1405.5	1409.7	1404.6	1397.0	1399.6	1414.7	1427.4	1429.1
62.5°	1390.3	1392.8	1408.8	1427.4	1433.3	1425.7	1416.4	1419.0	1435.8	1450.1	1451.0
65°	1405.5	1408.0	1426.5	1445.9	1451.8	1443.4	1432.4	1435.0	1453.5	1469.5	1471.2
67.5°	1417.3	1420.6	1441.7	1462.8	1467.9	1457.7	1445.1	1447.6	1467.9	1486.4	1488.1
70°	1427.4	1431.6	1453.5	1476.3	1482.2	1470.4	1455.2	1458.6	1481.3	1499.9	1502.4
72.5°	1435.0	1439.2	1462.8	1487.2	1494.0	1479.7	1462.8	1466.2	1490.6	1510.9	1513.4
75°	1440.0	1444.2	1469.5	1495.7	1501.6	1486.4	1467.9	1471.2	1496.5	1518.4	1521.8
77.5°	1442.6	1446.8	1473.8	1500.7	1506.6	1488.9	1469.5	1472.9	1499.0	1522.7	1526.0
80°	1442.6	1445.9	1473.8	1502.4	1507.5	1489.8	1468.7	1471.2	1498.2	1523.5	1526.9
82.5°	1440.0	1443.4	1472.1	1500.7	1505.8	1486.4	1464.5	1467.9	1495.7	1521.0	1525.2
85°	1434.1	1437.5	1466.2	1495.7	1500.7	1479.7	1456.9	1460.3	1488.1	1515.1	1519.3
87.5°	1425.7	1429.9	1457.7	1487.2	1491.5	1469.5	1447.6	1449.3	1478.8	1506.6	1510.0
90°	1415.6	1419.8	1445.9	1475.4	1479.7	1457.7	1435.0	1437.5	1466.2	1494.8	1498.2
92.5°	1403.8	1407.1	1432.4	1459.4	1464.5	1441.7	1419.8	1423.2	1451.8	1480.5	1484.7
95°	1388.6	1391.1	1414.7	1440.0	1444.2	1424.0	1402.1	1405.5	1434.1	1462.0	1466.2
97.5°	1370.1	1371.7	1392.8	1415.6	1420.6	1401.2	1381.0	1384.4	1412.2	1440.0	1445.1
100°	1349.0	1349.8	1368.4	1387.8	1392.0	1376.0	1357.4	1361.6	1387.8	1416.4	1419.8
102.5°	1324.5	1324.5	1339.7	1355.7	1360.8	1347.3	1331.3	1335.5	1360.8	1387.8	1392.0
105°	1297.5	1295.0	1306.0	1318.6	1324.5	1314.4	1302.6	1306.0	1329.6	1355.7	1360.8
107.5°	1263.8	1261.3	1268.9	1279.8	1285.7	1278.2	1268.9	1273.9	1294.2	1318.6	1323.7
110°	1225.9	1222.5	1225.9	1234.3	1241.1	1236.0	1230.9	1235.2	1254.5	1277.3	1280.7



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

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1182.0	1177.8	1178.7	1184.6	1190.5	1189.6	1186.3	1193.0	1209.0	1227.6	1231.8
115°	1131.5	1127.2	1124.7	1128.1	1133.1	1136.5	1139.9	1144.1	1156.7	1171.9	1178.7
117.5°	1078.3	1071.6	1067.4	1067.4	1073.3	1079.2	1085.1	1091.0	1099.4	1113.7	1116.3
120°	1016.8	1012.6	1006.7	1006.7	1011.7	1017.6	1026.9	1033.7	1038.7	1048.8	1052.2
122.5°	956.1	950.2	944.3	944.3	947.7	956.1	968.7	974.6	977.2	983.1	985.6
125°	894.5	887.8	881.0	881.0	884.4	892.9	907.2	912.2	913.9	916.5	919.0
127.5°	832.1	825.4	819.5	817.0	822.0	828.8	843.1	849.9	850.7	850.7	852.4
130°	769.8	764.7	758.8	756.3	761.3	767.2	783.2	790.0	786.6	786.6	787.5
132.5°	710.7	705.7	699.8	698.1	701.5	709.1	723.4	729.3	726.8	723.4	724.2
135°	653.4	649.2	641.6	640.8	645.8	649.2	662.7	668.6	666.1	662.7	663.5
137.5°	598.6	594.4	587.6	586.8	591.9	596.1	606.2	612.1	608.7	605.4	606.2
140°	546.3	541.3	536.2	535.4	538.7	543.0	552.2	555.6	552.2	549.7	550.6
142.5°	497.4	494.1	488.2	488.2	489.8	493.2	500.8	504.2	500.8	497.4	495.7
145°	451.1	446.8	443.5	442.6	444.3	447.7	452.7	456.1	452.7	450.2	448.5
147.5°	409.8	406.4	403.0	403.0	403.8	406.4	410.6	411.4	408.9	407.2	405.5
150°	371.8	368.4	366.8	365.9	366.8	367.6	371.0	372.7	370.1	368.4	366.8
152.5°	337.2	334.7	333.0	333.9	333.9	334.7	335.6	336.4	333.9	333.9	332.2
155°	306.9	305.2	303.5	304.4	304.4	304.4	305.2	305.2	303.5	303.5	302.7
157.5°	281.6	279.9	279.1	279.9	279.9	279.1	279.9	279.9	278.2	278.2	277.4
160°	259.7	258.0	258.0	258.0	258.0	257.1	258.8	258.0	257.1	256.3	256.3
162.5°	242.0	240.3	240.3	241.1	240.3	240.3	240.3	240.3	239.4	239.4	238.6
165°	227.6	226.0	226.0	226.8	226.0	226.0	226.0	226.0	225.1	225.1	225.1
167.5°	215.8	215.0	215.0	215.0	215.0	214.1	215.0	215.0	214.1	214.1	214.1
170°	206.6	205.7	205.7	205.7	205.7	205.7	205.7	205.7	205.7	204.9	204.9
172.5°	200.7	199.8	199.8	199.8	199.8	199.8	199.8	199.8	199.0	199.0	199.0
175°	196.4	195.6	195.6	195.6	195.6	195.6	195.6	195.6	195.6	194.8	194.8
177.5°	193.9	193.1	193.1	193.1	193.1	193.1	193.1	193.1	193.1	192.2	192.2
180°	192.2	192.2	192.2	192.2	192.2	192.2	192.2	192.2	192.2	192.2	192.2



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<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**

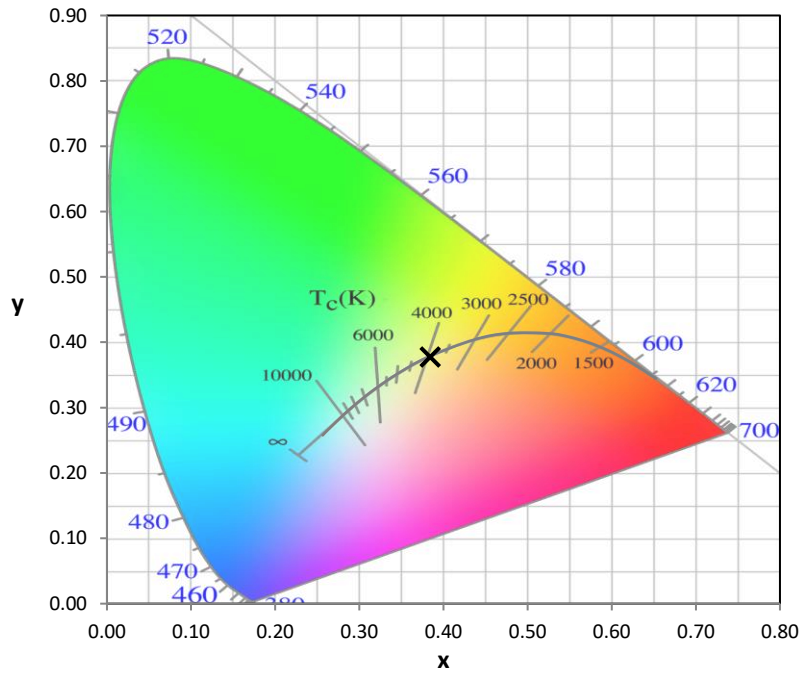
Stabilization Time: 0.818109M  
 Operation Time: 1H  
 Sphere Temperature (°C): 24.6

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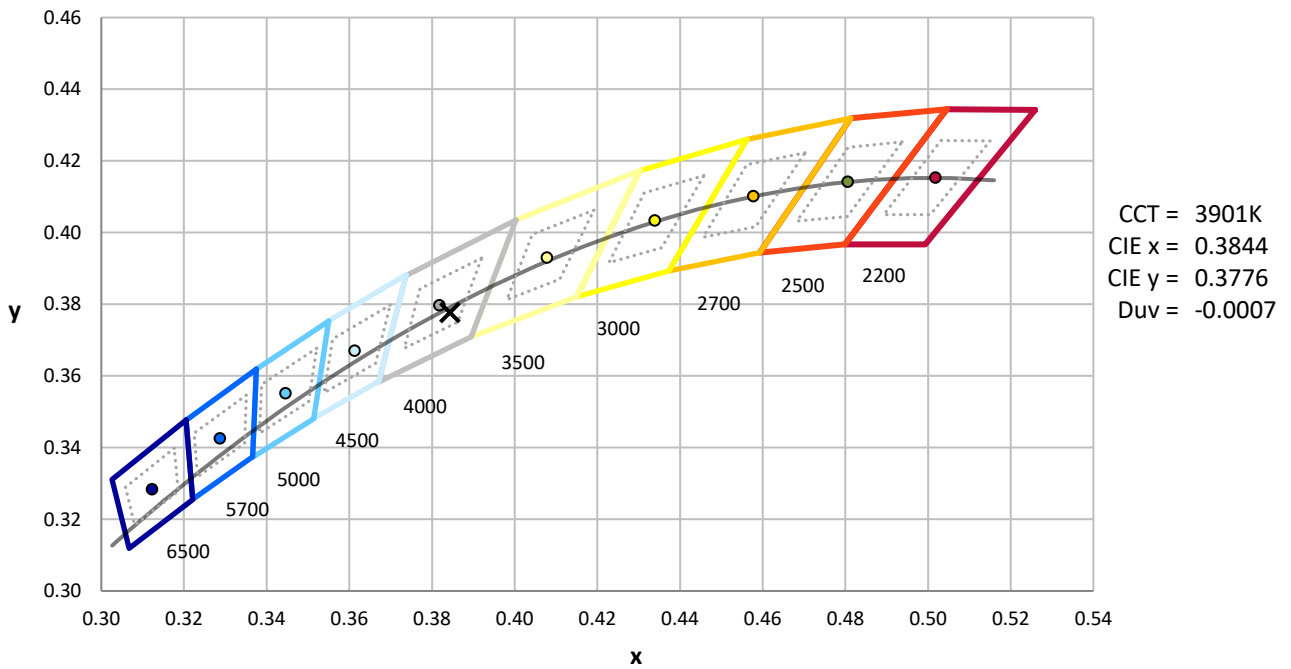
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

$\lambda$ (nm)	Power (W/nm)	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power (W/nm)	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power (W/nm)	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power (W/nm)	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power (W/nm)	Lumens ( $\phi$ /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 ( $R_{f,i}$ )**

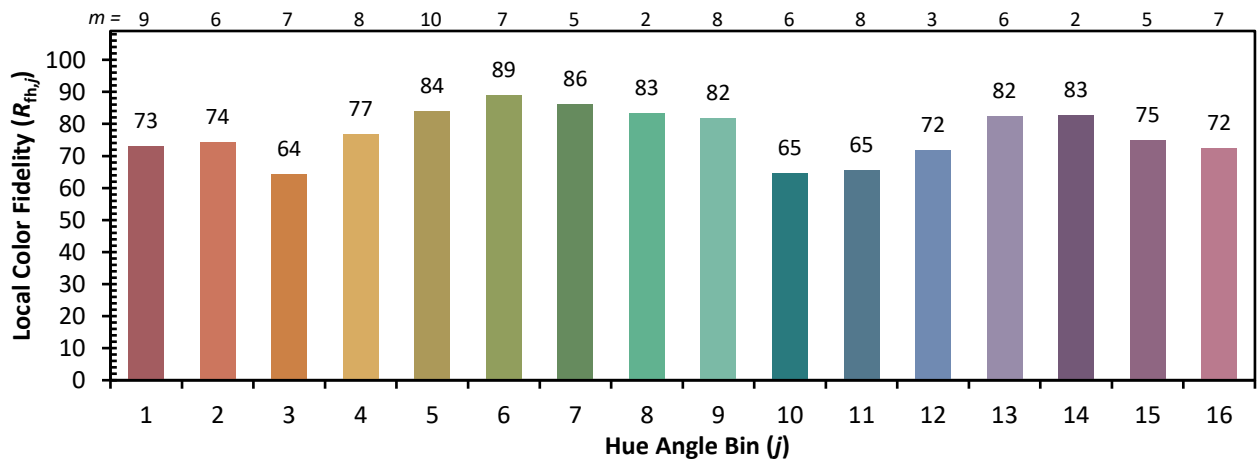
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CES02 = 61	CES27 = 90	CES52 = 88	CES77 = 72
CES03 = 30	CES28 = 83	CES53 = 80	CES78 = 59
CES04 = 70	CES29 = 72	CES54 = 86	CES79 = 84
CES05 = 48	CES30 = 89	CES55 = 84	CES80 = 81
CES06 = 51	CES31 = 75	CES56 = 77	CES81 = 79
CES07 = 40	CES32 = 66	CES57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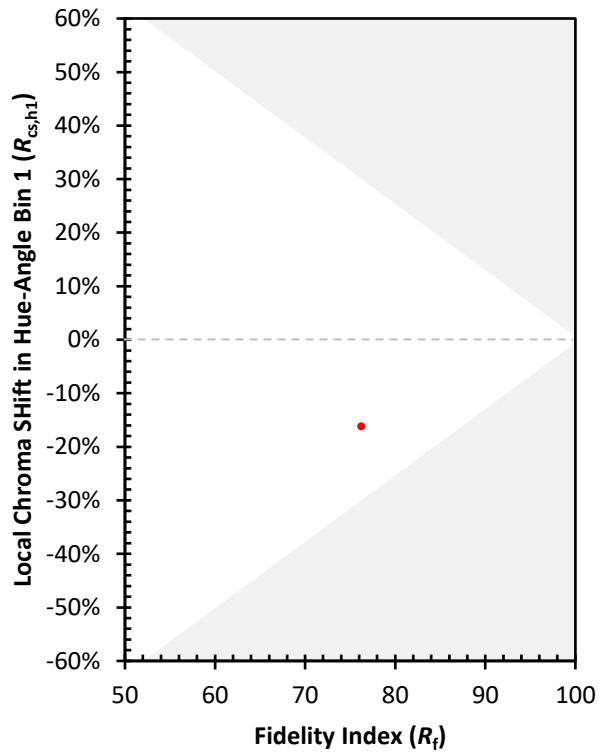
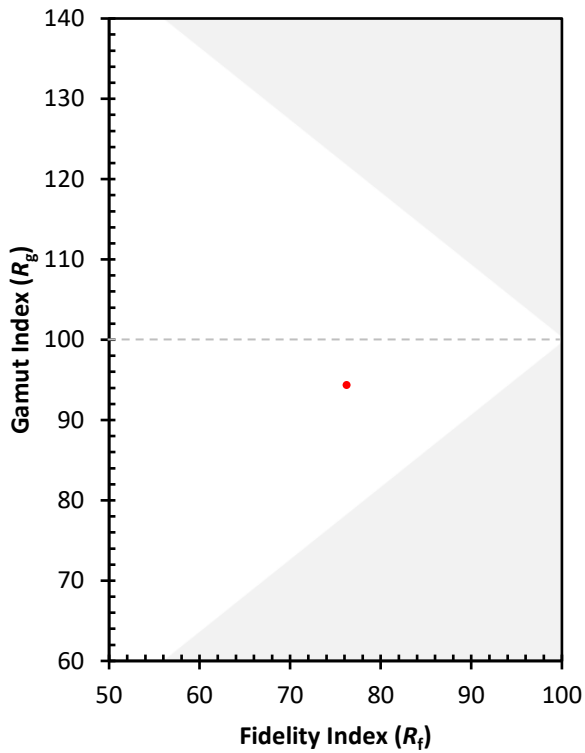
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)