

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: P856336

Luminaire Tested: **FFX-CLB-90-727-U-VM8**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856336
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-90-727-U-VM8
Description: FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK
Light Source: (6) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

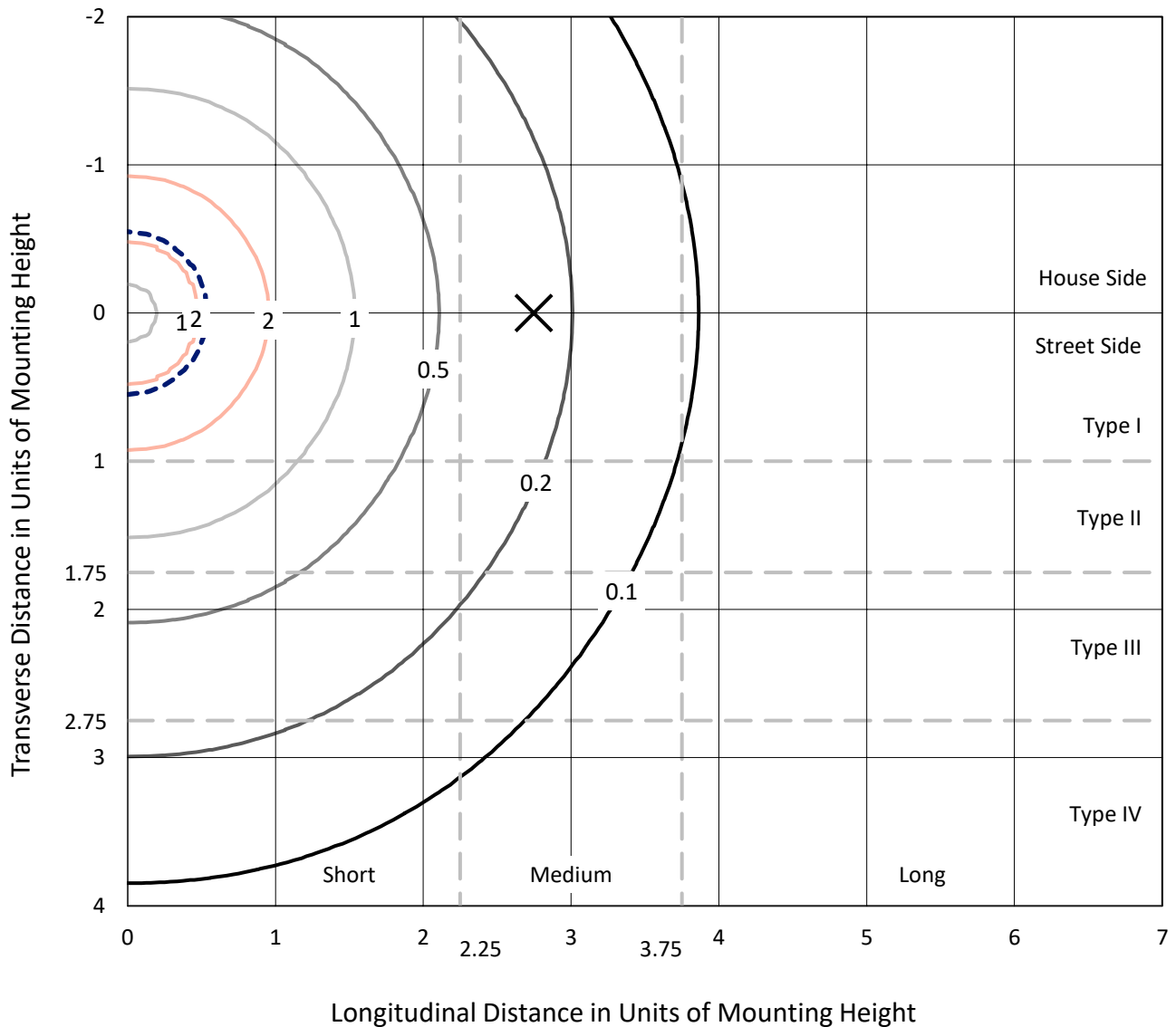
Lumens per Lamp: N/A
Luminaire Lumens: 13259.8 lumens
Efficiency: N/A
Efficacy: 146.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification: Type V - Short
BUG Rating: B3 - U5 - G4

Input Watts (W): 90.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 5.6%%
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

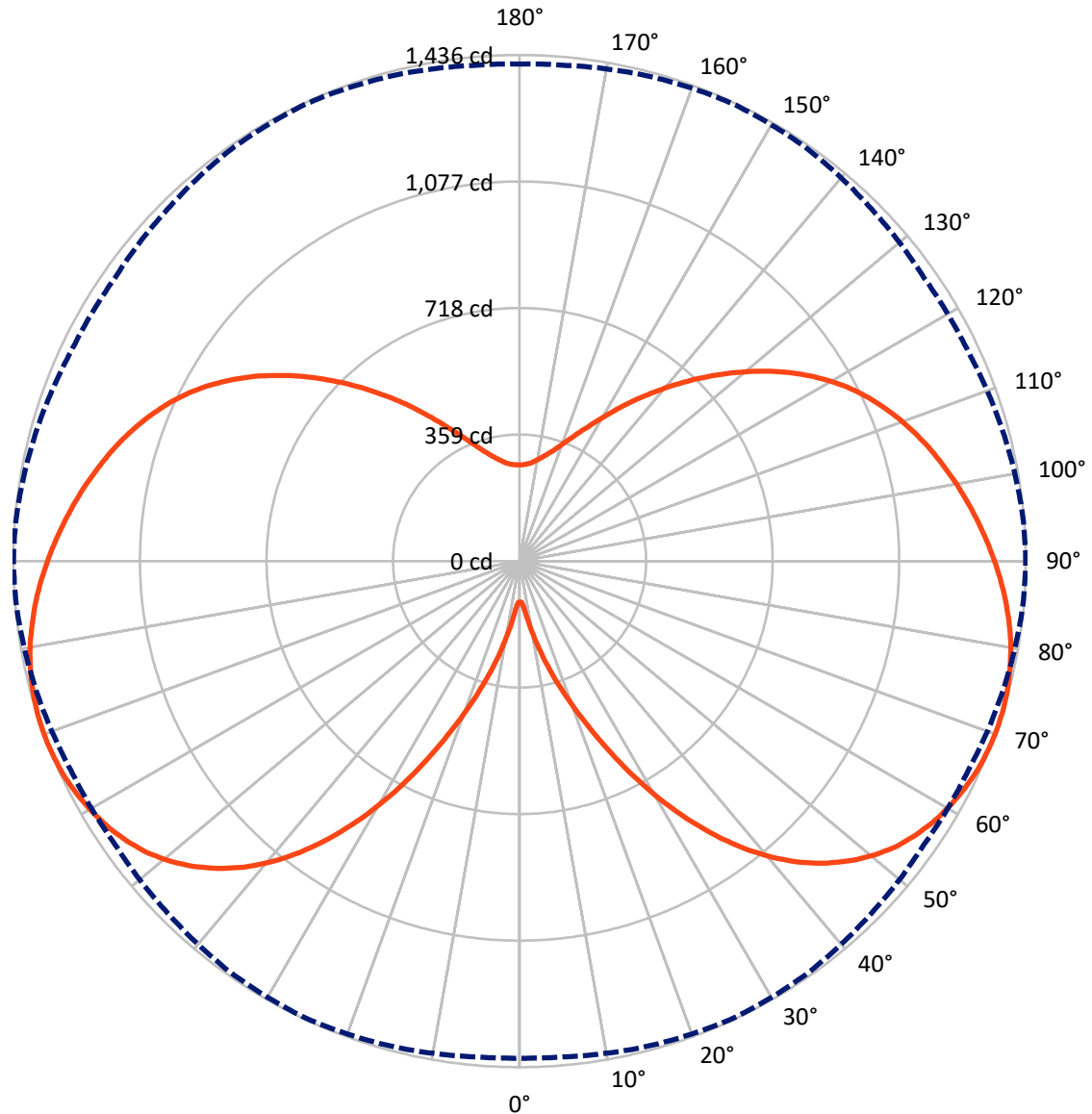
× Max cd
 - - - 1/2 Max cd



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



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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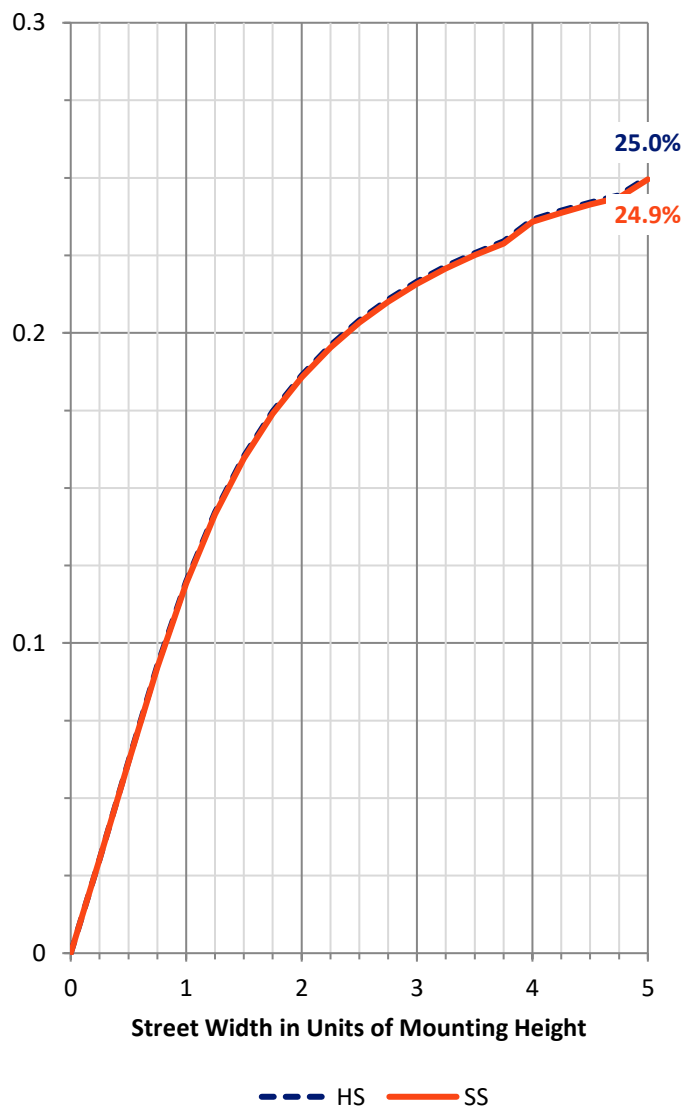
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3755.1	2874.9	6629.9
	% Fixture	28.3	21.7	50.0
Street Side	Lumens	3755.1	2874.9	6629.9
	% Fixture	28.3	21.7	50.0
Total	Lumens	7510.1	5749.7	13259.8
	% Fixture	56.6	43.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.6	0.1
10°-20°	94.9	0.7
20°-30°	283.3	2.1
30°-40°	592.3	4.5
40°-50°	929.5	7.0
50°-60°	1206.5	9.1
60°-70°	1396.6	10.5
70°-80°	1495.1	11.3
80°-90°	1496.3	11.3
90°-100°	1411.2	10.6
100°-110°	1262.6	9.5
110°-120°	1061.7	8.0
120°-130°	814.4	6.1
130°-140°	557.2	4.2
140°-150°	340.0	2.6
150°-160°	185.8	1.4
160°-170°	90.1	0.7
170°-180°	26.8	0.2
0°-90°	7510.1	56.6
0°-180°	13259.8	100.0



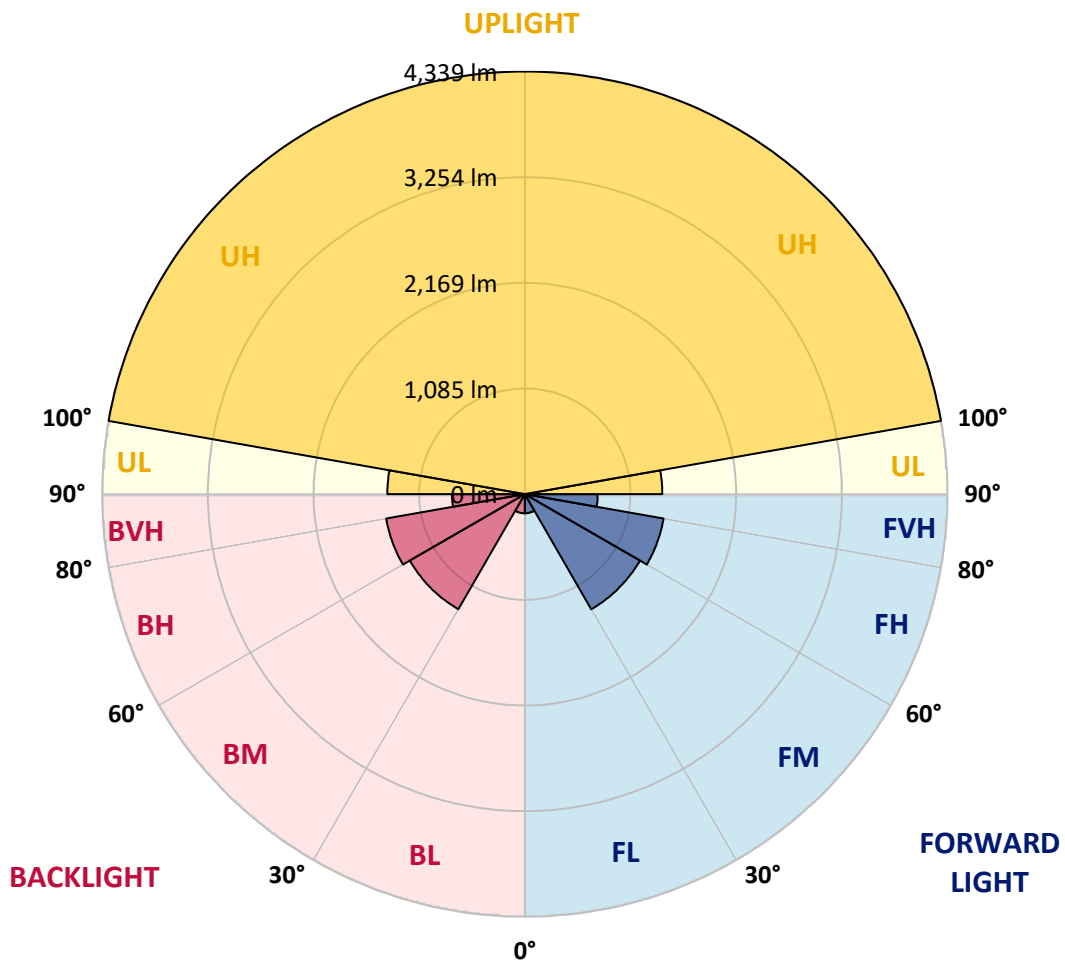
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	196.9	1.5			
FM (30°-60°)	1364.1	10.3			
FH (60°-80°)	1445.9	10.9			G1/1800
FVH (80°-90°)	748.2	5.6			G4/750
BL (0°-30°)	196.9	1.5	B1/500		
BM (30°-60°)	1364.1	10.3	B2/2500		
BH (60°-80°)	1445.9	10.9	B3/2500		G1/1800
BVH (80°-90°)	748.2	5.6			G4/750
UL (90°-100°)	1411.2	10.6		U5	
UH (100°-180°)	4338.5	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°	116.4	116.4	116.4	116.4	116.4	116.4	116.4	116.4	116.4	116.4	116.4
2.5°	121.5	121.5	120.7	120.7	119.8	119.0	119.0	119.0	118.1	118.1	117.3
5°	138.5	137.7	137.7	136.8	137.7	136.8	136.8	136.8	136.8	135.1	135.1
7.5°	171.7	170.8	170.8	170.0	171.7	170.0	170.0	170.8	170.8	170.0	170.0
10°	215.0	214.2	214.2	212.5	214.2	213.3	213.3	211.6	212.5	211.6	212.5
12.5°	266.8	264.3	264.3	263.4	265.1	264.3	263.4	261.7	263.4	262.6	262.6
15°	320.4	321.2	320.4	319.5	321.2	321.2	320.4	318.7	320.4	318.7	319.5
17.5°	379.9	379.9	379.9	377.3	379.9	380.7	379.9	378.2	379.0	379.9	379.9
20°	444.4	444.4	445.3	443.6	447.8	445.3	444.4	443.6	444.4	445.3	446.1
22.5°	515.8	515.8	516.7	515.8	518.4	518.4	517.5	517.5	518.4	520.1	520.1
25°	594.9	595.7	595.7	593.2	599.1	600.8	599.1	599.1	600.8	603.4	603.4
27.5°	676.4	679.8	678.1	678.1	685.8	686.6	685.8	686.6	689.2	691.7	692.6
30°	760.6	763.1	766.5	764.0	772.5	773.3	774.2	775.0	778.4	782.7	782.7
32.5°	844.7	847.3	849.0	849.0	860.0	859.2	858.3	861.7	866.8	868.5	871.1
35°	928.8	928.8	930.5	931.4	942.4	941.6	943.3	945.8	950.9	954.3	956.0
37.5°	1004.5	1002.8	1007.0	1008.7	1017.2	1018.1	1018.9	1023.2	1029.1	1033.4	1035.1
40°	1073.3	1071.6	1076.7	1079.3	1086.9	1086.9	1088.6	1093.7	1100.5	1104.7	1105.6
42.5°	1134.5	1133.6	1138.7	1142.1	1149.8	1148.9	1148.1	1154.9	1162.5	1167.6	1169.3
45°	1187.2	1186.3	1193.1	1197.4	1203.3	1201.6	1201.6	1207.6	1216.1	1222.0	1222.9
47.5°	1232.2	1232.2	1239.9	1245.0	1250.1	1247.5	1245.8	1251.8	1260.3	1268.8	1269.6
50°	1272.2	1271.3	1279.8	1285.8	1290.0	1286.6	1284.1	1290.0	1299.4	1307.9	1309.6
52.5°	1303.6	1305.3	1313.8	1321.4	1324.8	1319.7	1315.5	1321.4	1331.6	1341.0	1342.7
55°	1330.8	1331.6	1341.0	1350.3	1352.0	1345.2	1340.1	1345.2	1356.3	1366.5	1368.2
57.5°	1352.0	1353.7	1364.8	1373.3	1374.1	1366.5	1360.5	1364.8	1376.7	1386.9	1389.4
60°	1370.7	1372.4	1382.6	1392.0	1392.8	1383.5	1375.8	1379.2	1392.0	1403.9	1405.6
62.5°	1385.2	1387.7	1398.8	1407.3	1407.3	1396.2	1386.9	1390.3	1403.9	1416.6	1418.3
65°	1397.1	1399.6	1410.7	1419.2	1418.3	1405.6	1395.4	1398.8	1413.2	1426.0	1428.5
67.5°	1405.6	1407.3	1419.2	1427.7	1424.3	1410.7	1400.5	1403.0	1418.3	1431.1	1433.6
70°	1410.7	1412.4	1424.3	1431.9	1426.8	1412.4	1401.3	1404.7	1420.0	1433.6	1436.2
72.5°	1413.2	1415.8	1426.8	1433.6	1427.7	1411.5	1399.6	1403.9	1419.2	1433.6	1435.3
75°	1412.4	1414.1	1425.1	1431.1	1423.4	1408.1	1395.4	1399.6	1415.8	1428.5	1431.1
77.5°	1408.1	1409.8	1420.0	1425.1	1415.8	1400.5	1388.6	1392.8	1408.1	1420.9	1423.4
80°	1401.3	1403.0	1412.4	1415.8	1406.4	1391.1	1380.1	1384.3	1398.8	1410.7	1413.2
82.5°	1390.3	1392.8	1401.3	1403.0	1392.8	1379.2	1368.2	1372.4	1386.0	1397.1	1398.8
85°	1376.7	1378.4	1386.0	1386.9	1376.7	1364.8	1355.4	1359.7	1371.6	1380.1	1382.6
87.5°	1361.4	1361.4	1369.0	1369.0	1358.0	1346.9	1340.1	1343.5	1354.6	1361.4	1363.9
90°	1342.7	1343.5	1348.6	1347.8	1337.6	1328.2	1322.3	1326.5	1335.9	1341.8	1343.5
92.5°	1322.3	1323.1	1327.4	1325.7	1315.5	1307.9	1302.8	1307.9	1316.3	1320.6	1322.3
95°	1300.2	1301.1	1304.5	1301.1	1291.7	1285.8	1281.5	1287.5	1294.3	1298.5	1300.2
97.5°	1277.3	1278.1	1280.7	1277.3	1267.1	1262.0	1260.3	1265.4	1272.2	1275.6	1277.3
100°	1253.5	1253.5	1255.2	1250.1	1241.6	1237.3	1236.5	1242.4	1249.2	1252.6	1254.3
102.5°	1227.1	1228.0	1228.0	1222.9	1214.4	1211.8	1211.8	1218.6	1225.4	1228.0	1229.7
105°	1199.9	1199.9	1199.9	1195.7	1186.3	1184.6	1185.5	1192.3	1199.9	1203.3	1205.0
107.5°	1170.2	1171.0	1169.3	1165.1	1157.4	1155.7	1157.4	1166.8	1173.6	1177.0	1178.7
110°	1138.7	1139.6	1138.7	1133.6	1126.8	1126.0	1128.5	1137.9	1144.7	1148.1	1150.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1105.6	1106.4	1105.6	1101.3	1094.6	1094.6	1097.9	1107.3	1114.9	1117.5	1120.0
115°	1070.8	1071.6	1069.9	1066.5	1059.7	1061.4	1064.8	1074.2	1081.8	1084.4	1087.8
117.5°	1033.4	1034.2	1033.4	1029.1	1023.2	1024.9	1030.0	1039.3	1046.1	1048.7	1052.1
120°	992.6	992.6	992.6	988.3	982.4	985.8	990.9	1001.1	1007.0	1008.7	1012.1
122.5°	950.9	949.2	949.2	946.7	939.9	944.1	949.2	959.4	965.4	966.2	968.8
125°	905.0	905.9	903.3	901.6	895.7	900.8	905.0	915.2	920.3	921.2	923.7
127.5°	855.8	858.3	855.8	853.2	849.0	854.1	859.2	868.5	872.8	873.6	875.3
130°	809.9	809.9	807.3	805.6	801.4	806.5	811.6	820.1	824.3	824.3	826.0
132.5°	764.0	761.4	760.6	758.9	753.8	759.7	763.1	771.6	775.0	774.2	775.9
135°	713.8	713.8	711.3	710.4	706.2	712.1	715.5	723.2	725.7	724.9	726.6
137.5°	667.1	667.1	665.4	663.7	661.1	666.2	669.6	675.6	678.1	675.6	678.1
140°	621.2	621.2	620.4	618.7	616.1	621.2	623.8	628.9	631.4	628.9	630.6
142.5°	578.7	577.0	576.2	575.3	571.9	577.0	578.7	583.8	584.7	583.0	585.5
145°	533.7	534.5	533.7	532.8	530.3	534.5	536.2	540.5	541.3	539.6	542.2
147.5°	496.3	493.7	494.6	493.7	491.2	495.4	496.3	498.8	500.5	498.8	500.5
150°	458.9	457.2	457.2	456.3	454.6	458.0	458.9	461.4	462.3	460.6	462.3
152.5°	425.8	424.9	424.9	424.1	422.4	424.9	425.8	427.5	428.3	426.6	427.5
155°	396.0	395.2	395.2	394.3	392.6	395.2	395.2	396.9	397.7	396.9	397.7
157.5°	369.7	368.8	368.8	368.8	367.1	368.8	368.8	370.5	370.5	369.7	370.5
160°	348.4	346.7	347.6	346.7	345.0	346.7	346.7	347.6	347.6	347.6	347.6
162.5°	328.9	328.9	328.9	328.0	327.2	328.0	328.0	328.9	328.9	328.9	328.0
165°	313.6	313.6	313.6	312.7	311.9	312.7	312.7	312.7	312.7	312.7	312.7
167.5°	300.8	300.0	300.8	300.0	299.1	300.0	300.0	300.0	300.0	300.0	300.0
170°	289.8	289.8	289.8	289.8	288.9	289.8	289.8	289.8	289.8	289.8	289.8
172.5°	283.0	282.1	282.1	282.1	281.3	282.1	281.3	282.1	281.3	282.1	281.3
175°	277.0	277.0	277.0	277.0	276.2	276.2	276.2	276.2	276.2	276.2	276.2
177.5°	273.6	273.6	273.6	273.6	273.6	273.6	273.6	273.6	273.6	273.6	273.6
180°	272.8	272.8	272.8	272.8	272.8	272.8	272.8	272.8	272.8	272.8	272.8

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: SP1-2406-133-3

Test Date: 07/12/2024

Luminaire Tested: FFX-CLB-100-727-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-727-U-FR-T5.

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2406-133-3
 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-100-727-U-FR-T5**
 Description: FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K): 2707
 CIE u': 0.2624
 CIE v': 0.5261
 Duv: -0.0007
 CIE x: 0.4580
 CIE y: 0.4082
 CIE z: 0.1338
 Peak Wavelength (nm): 599
 Dominant Wavelength (nm): 584
 Purity: 59.99901
 Rf: 75.5
 Rg: 92.5

CRI (Ra):	71.3		
R1:	67.8	R9:	-34.9
R2:	84.5	R10:	65.1
R3:	94.2	R11:	59.2
R4:	64.8	R12:	54.2
R5:	66.9	R13:	71.2
R6:	79.2	R14:	97.5
R7:	74.4	R15:	59.4
R8:	38.8		



Test Conditions

Stabilization Time: 0.813602M
 Operation Time: 1H
 Sphere Temperature (°C): 24.7

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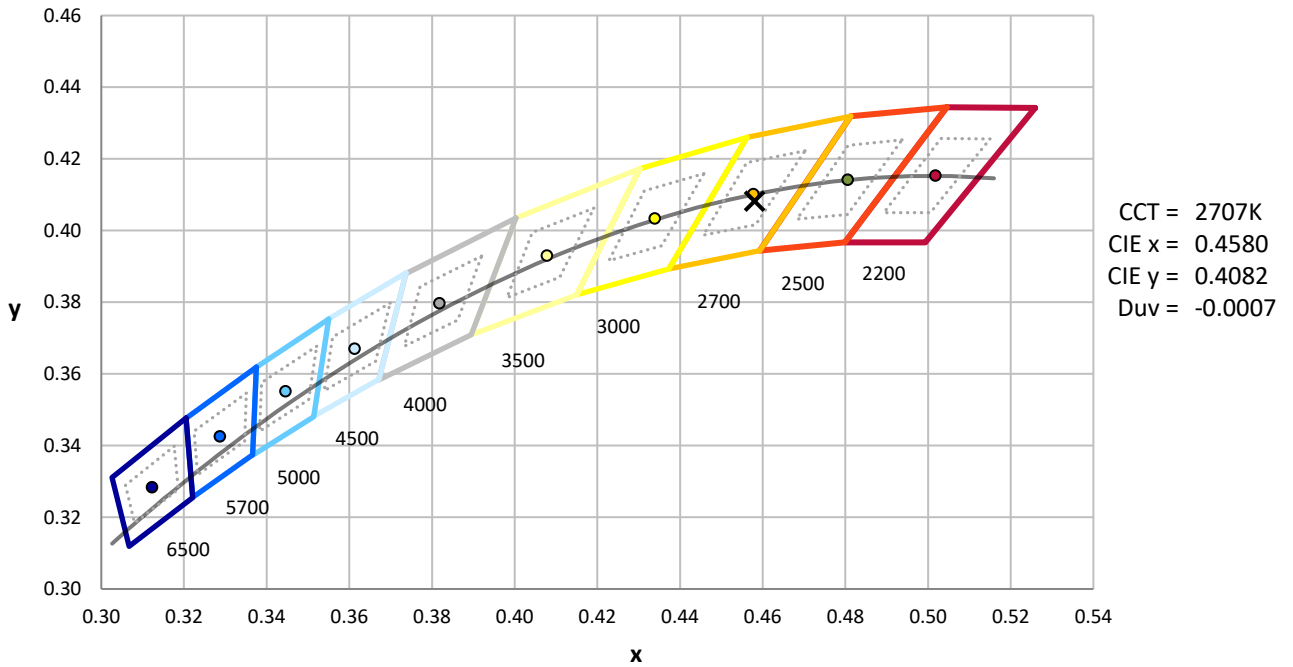
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	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 2700K 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	105	NR	620	849	NR	750	23	NR	880	1	NR
365	0	NR	495	124	NR	625	789	NR	755	20	NR	885	0	NR
370	0	NR	500	156	NR	630	727	NR	760	17	NR	890	0	NR
375	0	NR	505	200	NR	635	659	NR	765	15	NR	895	0	NR
380	0	NR	510	245	NR	640	595	NR	770	13	NR	900	0	NR
385	0	NR	515	290	NR	645	531	NR	775	11	NR	905	0	NR
390	0	NR	520	330	NR	650	472	NR	780	9	NR	910	0	NR
395	0	NR	525	363	NR	655	417	NR	785	8	NR	915	0	NR
400	0	NR	530	395	NR	660	364	NR	790	7	NR	920	0	NR
405	2	NR	535	424	NR	665	317	NR	795	6	NR	925	0	NR
410	5	NR	540	454	NR	670	274	NR	800	5	NR	930	0	NR
415	11	NR	545	490	NR	675	237	NR	805	4	NR	935	0	NR
420	21	NR	550	530	NR	680	206	NR	810	4	NR	940	0	NR
425	38	NR	555	579	NR	685	176	NR	815	3	NR	945	0	NR
430	63	NR	560	635	NR	690	152	NR	820	3	NR	950	0	NR
435	99	NR	565	697	NR	695	129	NR	825	3	NR	955	0	NR
440	150	NR	570	765	NR	700	111	NR	830	2	NR	960	0	NR
445	233	NR	575	834	NR	705	95	NR	835	2	NR	965	0	NR
450	372	NR	580	897	NR	710	81	NR	840	2	NR	970	0	NR
455	454	NR	585	948	NR	715	69	NR	845	1	NR	975	0	NR
460	345	NR	590	982	NR	720	59	NR	850	1	NR	980	0	NR
465	235	NR	595	998	NR	725	50	NR	855	1	NR	985	0	NR
470	187	NR	600	1000	NR	730	43	NR	860	1	NR	990	0	NR
475	141	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	107	NR	610	949	NR	740	31	NR	870	1	NR	1000	0	NR
485	99	NR	615	902	NR	745	27	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



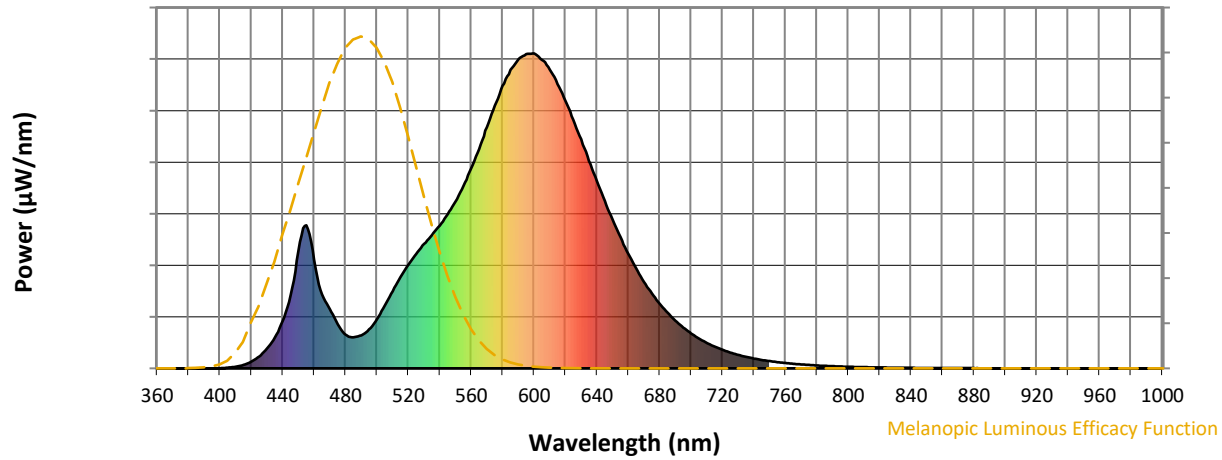
Scotopic Lumens: NR

S/P: 1.12

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	105	NR	620	849	NR	750	23	NR	880	1	NR
365	0	NR	495	124	NR	625	789	NR	755	20	NR	885	0	NR
370	0	NR	500	156	NR	630	727	NR	760	17	NR	890	0	NR
375	0	NR	505	200	NR	635	659	NR	765	15	NR	895	0	NR
380	0	NR	510	245	NR	640	595	NR	770	13	NR	900	0	NR
385	0	NR	515	290	NR	645	531	NR	775	11	NR	905	0	NR
390	0	NR	520	330	NR	650	472	NR	780	9	NR	910	0	NR
395	0	NR	525	363	NR	655	417	NR	785	8	NR	915	0	NR
400	0	NR	530	395	NR	660	364	NR	790	7	NR	920	0	NR
405	2	NR	535	424	NR	665	317	NR	795	6	NR	925	0	NR
410	5	NR	540	454	NR	670	274	NR	800	5	NR	930	0	NR
415	11	NR	545	490	NR	675	237	NR	805	4	NR	935	0	NR
420	21	NR	550	530	NR	680	206	NR	810	4	NR	940	0	NR
425	38	NR	555	579	NR	685	176	NR	815	3	NR	945	0	NR
430	63	NR	560	635	NR	690	152	NR	820	3	NR	950	0	NR
435	99	NR	565	697	NR	695	129	NR	825	3	NR	955	0	NR
440	150	NR	570	765	NR	700	111	NR	830	2	NR	960	0	NR
445	233	NR	575	834	NR	705	95	NR	835	2	NR	965	0	NR
450	372	NR	580	897	NR	710	81	NR	840	2	NR	970	0	NR
455	454	NR	585	948	NR	715	69	NR	845	1	NR	975	0	NR
460	345	NR	590	982	NR	720	59	NR	850	1	NR	980	0	NR
465	235	NR	595	998	NR	725	50	NR	855	1	NR	985	0	NR
470	187	NR	600	1000	NR	730	43	NR	860	1	NR	990	0	NR
475	141	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	107	NR	610	949	NR	740	31	NR	870	1	NR	1000	0	NR
485	99	NR	615	902	NR	745	27	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.03

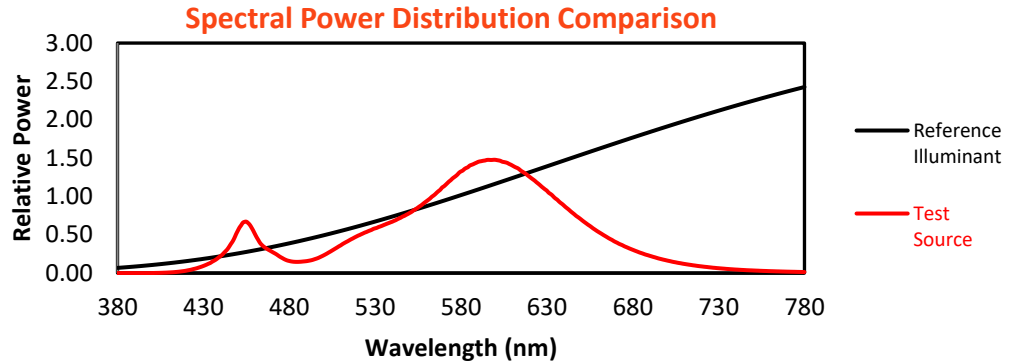
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	105	NR	620	849	NR	750	23	NR	880	1	NR
365	0	NR	495	124	NR	625	789	NR	755	20	NR	885	0	NR
370	0	NR	500	156	NR	630	727	NR	760	17	NR	890	0	NR
375	0	NR	505	200	NR	635	659	NR	765	15	NR	895	0	NR
380	0	NR	510	245	NR	640	595	NR	770	13	NR	900	0	NR
385	0	NR	515	290	NR	645	531	NR	775	11	NR	905	0	NR
390	0	NR	520	330	NR	650	472	NR	780	9	NR	910	0	NR
395	0	NR	525	363	NR	655	417	NR	785	8	NR	915	0	NR
400	0	NR	530	395	NR	660	364	NR	790	7	NR	920	0	NR
405	2	NR	535	424	NR	665	317	NR	795	6	NR	925	0	NR
410	5	NR	540	454	NR	670	274	NR	800	5	NR	930	0	NR
415	11	NR	545	490	NR	675	237	NR	805	4	NR	935	0	NR
420	21	NR	550	530	NR	680	206	NR	810	4	NR	940	0	NR
425	38	NR	555	579	NR	685	176	NR	815	3	NR	945	0	NR
430	63	NR	560	635	NR	690	152	NR	820	3	NR	950	0	NR
435	99	NR	565	697	NR	695	129	NR	825	3	NR	955	0	NR
440	150	NR	570	765	NR	700	111	NR	830	2	NR	960	0	NR
445	233	NR	575	834	NR	705	95	NR	835	2	NR	965	0	NR
450	372	NR	580	897	NR	710	81	NR	840	2	NR	970	0	NR
455	454	NR	585	948	NR	715	69	NR	845	1	NR	975	0	NR
460	345	NR	590	982	NR	720	59	NR	850	1	NR	980	0	NR
465	235	NR	595	998	NR	725	50	NR	855	1	NR	985	0	NR
470	187	NR	600	1000	NR	730	43	NR	860	1	NR	990	0	NR
475	141	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	107	NR	610	949	NR	740	31	NR	870	1	NR	1000	0	NR
485	99	NR	615	902	NR	745	27	NR	875	1	NR			

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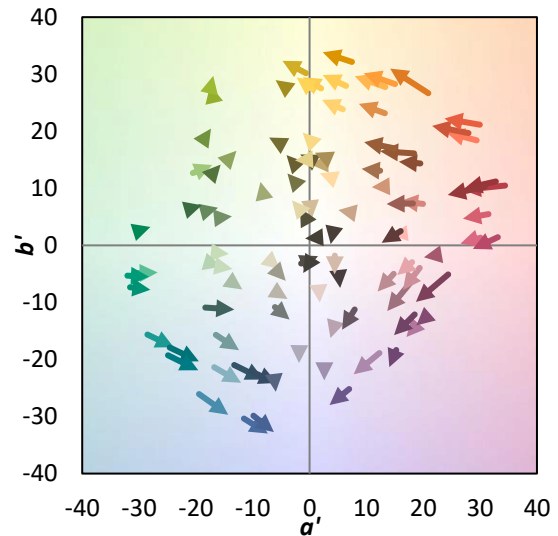
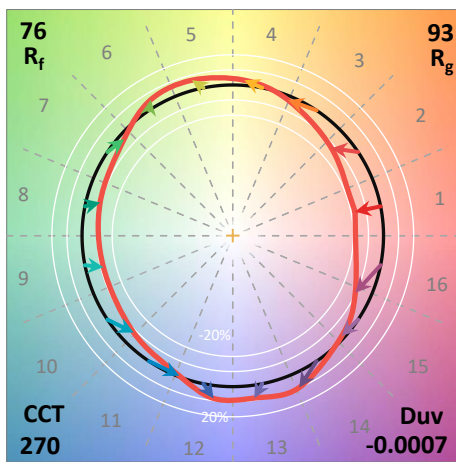
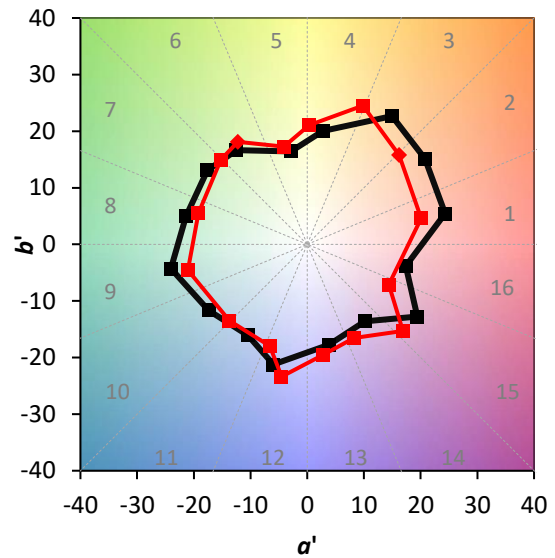
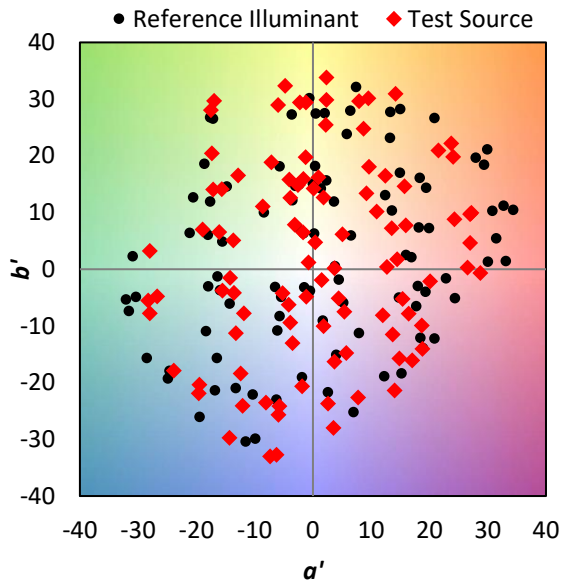
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Summary

$R_f = 75.5$
 $R_g = 92.5$
 CIE $R_a = 71.3$
 $R_9 = -34.9$



Color Vector Graphics



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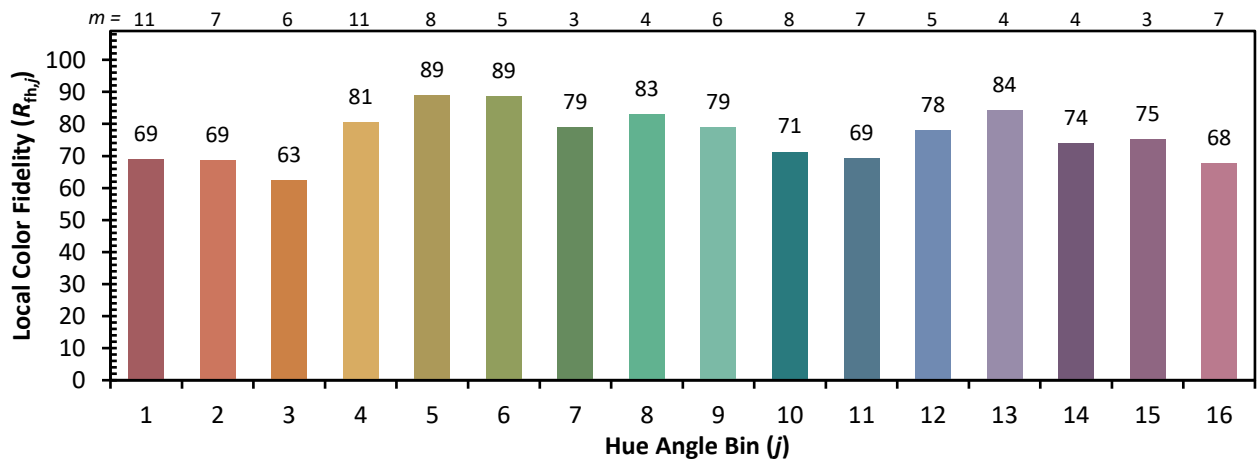
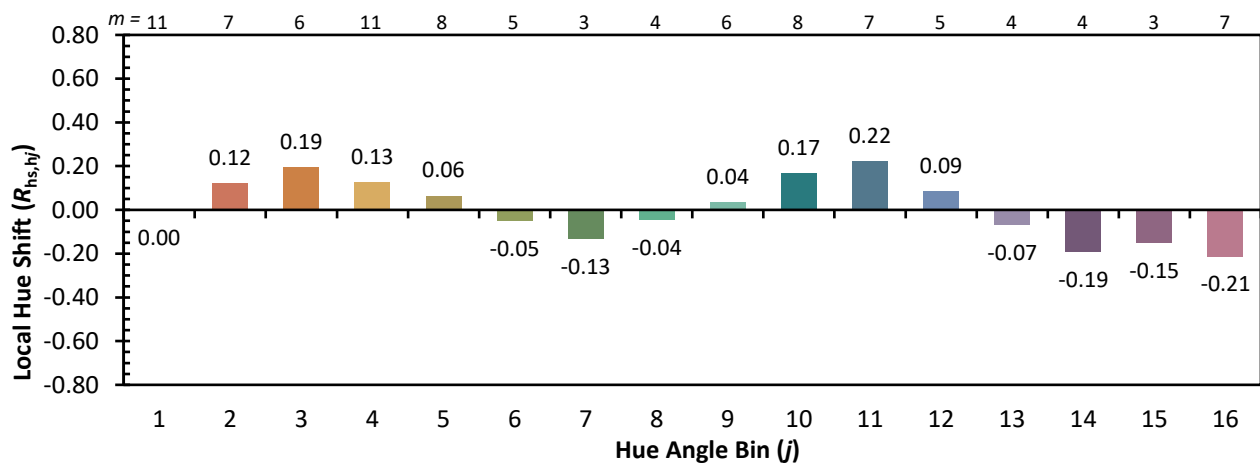
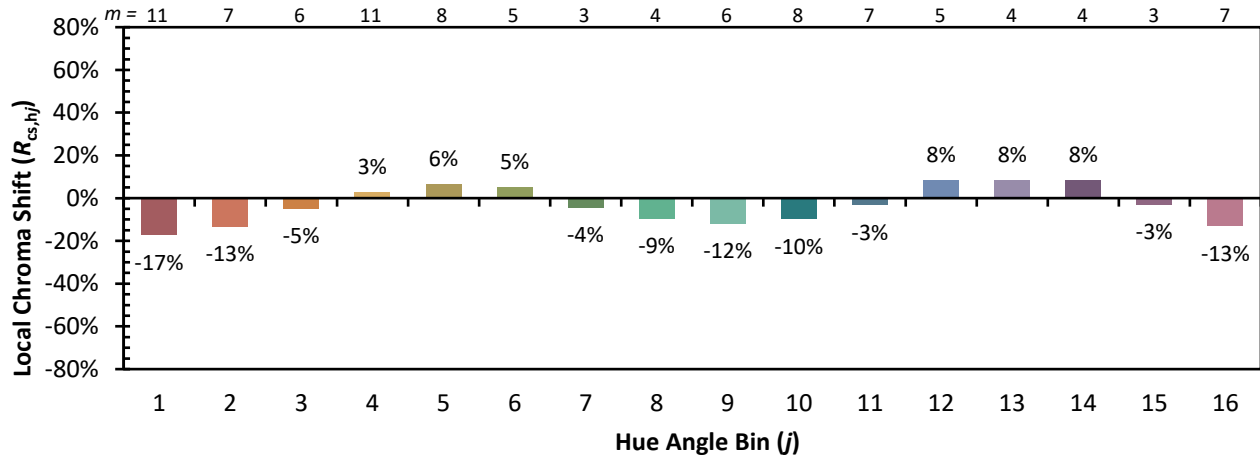
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Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 69	CES51 = 86	CES76 = 64
CES02 = 63	CES27 = 91	CES52 = 83	CES77 = 79
CES03 = 31	CES28 = 87	CES53 = 77	CES78 = 68
CES04 = 71	CES29 = 75	CES54 = 85	CES79 = 87
CES05 = 50	CES30 = 90	CES55 = 83	CES80 = 85
CES06 = 52	CES31 = 77	CES56 = 75	CES81 = 67
CES07 = 42	CES32 = 68	CES57 = 73	CES82 = 93
CES08 = 41	CES33 = 85	CES58 = 74	CES83 = 91
CES09 = 29	CES34 = 80	CES59 = 84	CES84 = 89
CES10 = 77	CES35 = 89	CES60 = 89	CES85 = 71
CES11 = 60	CES36 = 90	CES61 = 80	CES86 = 59
CES12 = 66	CES37 = 88	CES62 = 87	CES87 = 77
CES13 = 43	CES38 = 99	CES63 = 78	CES88 = 80
CES14 = 74	CES39 = 97	CES64 = 64	CES89 = 65
CES15 = 72	CES40 = 94	CES65 = 66	CES90 = 81
CES16 = 48	CES41 = 96	CES66 = 60	CES91 = 78
CES17 = 51	CES42 = 90	CES67 = 58	CES92 = 54
CES18 = 57	CES43 = 80	CES68 = 66	CES93 = 71
CES19 = 73	CES44 = 99	CES69 = 76	CES94 = 48
CES20 = 67	CES45 = 85	CES70 = 63	CES95 = 66
CES21 = 88	CES46 = 82	CES71 = 60	CES96 = 76
CES22 = 80	CES47 = 90	CES72 = 86	CES97 = 80
CES23 = 92	CES48 = 75	CES73 = 57	CES98 = 75
CES24 = 91	CES49 = 80	CES74 = 92	CES99 = 64
CES25 = 73	CES50 = 86	CES75 = 66	



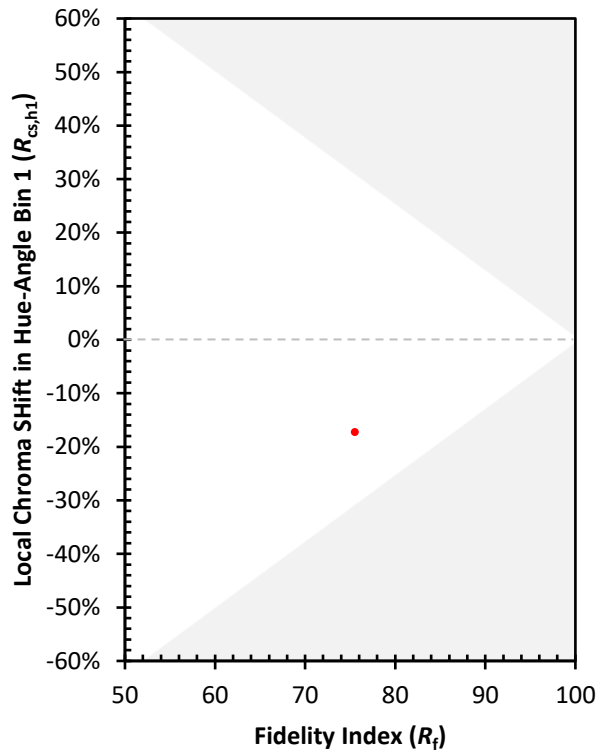
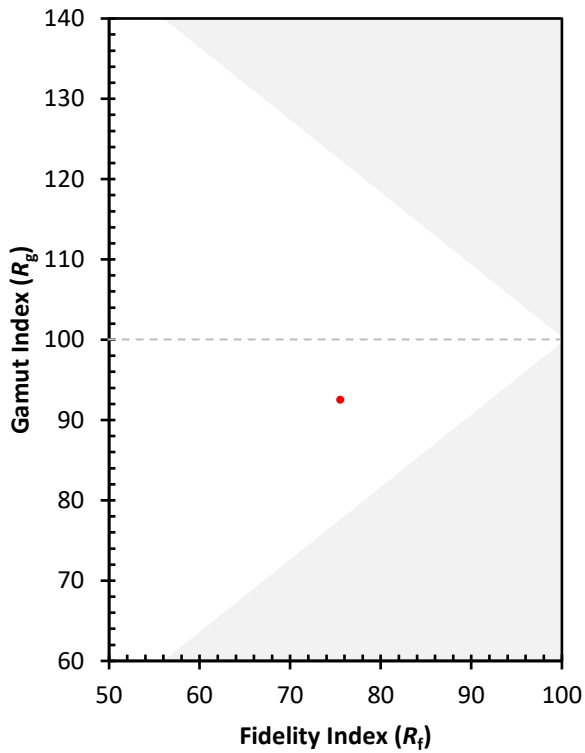
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)