

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: P856291

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

Issue Date: 07/16/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P856291  
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-FG  
Description: FAIRFAX POST TOP FIXTURE w/ FROSTED GLOBE  
Light Source: (6) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

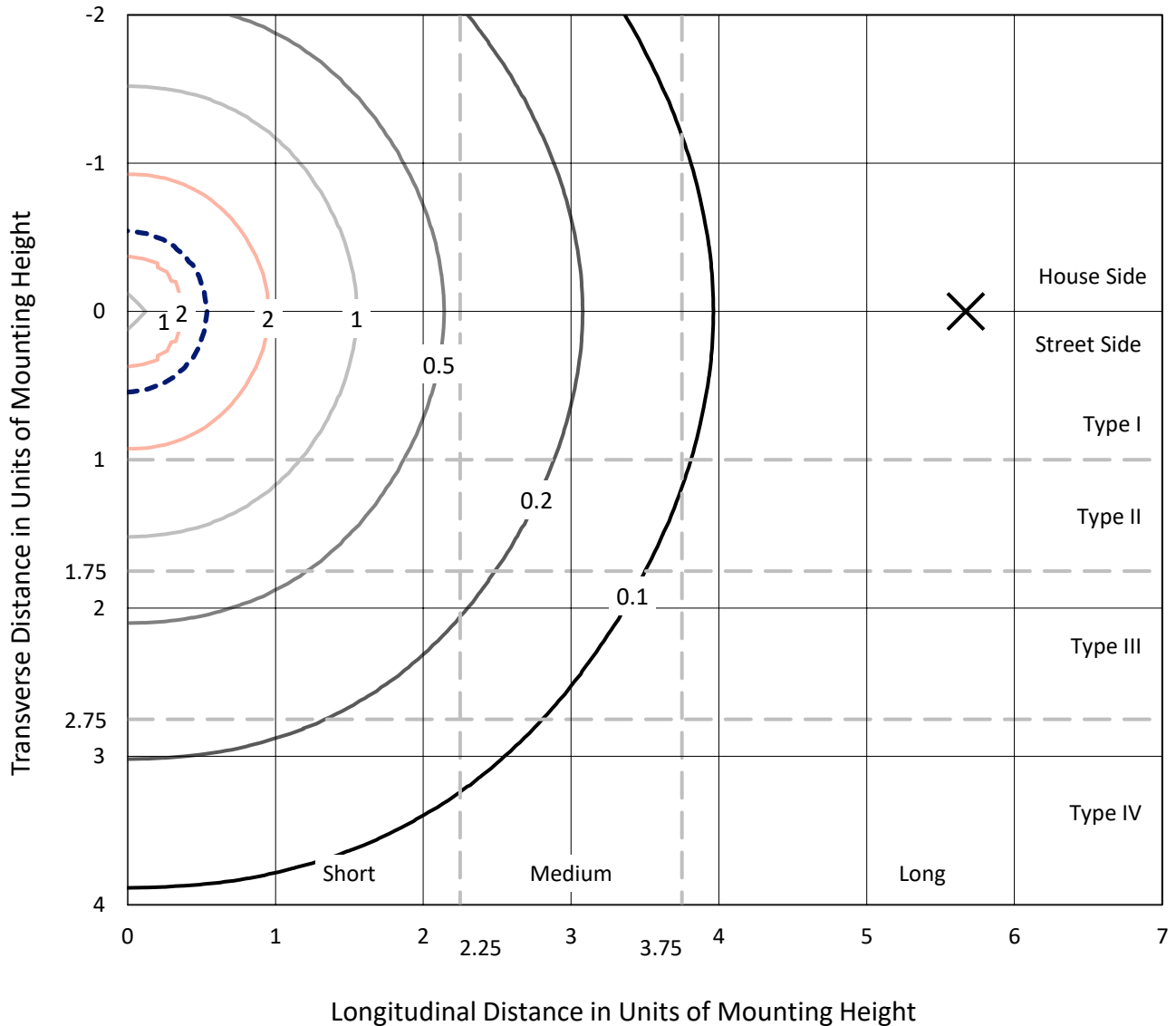
Lumens per Lamp: N/A  
Luminaire Lumens: 13811.5 lumens  
Efficiency: N/A  
Efficacy: 153.0 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 1.5')  
IES Classification: Type V - Short  
BUG Rating: B3 - U5 - G5

Input Watts (W): 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

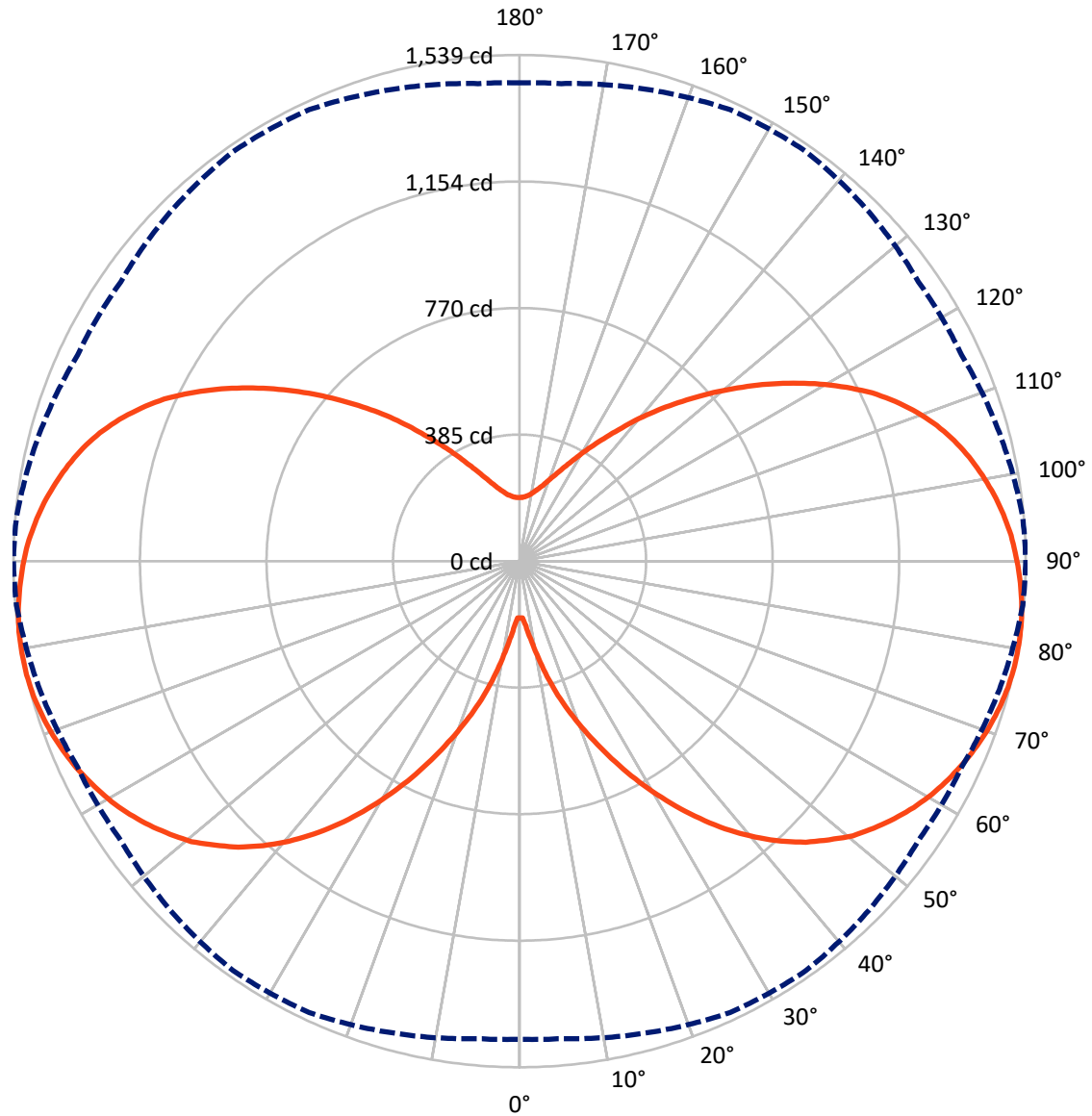
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral    - - - Horizontal Cone Through 80-Deg Vertical

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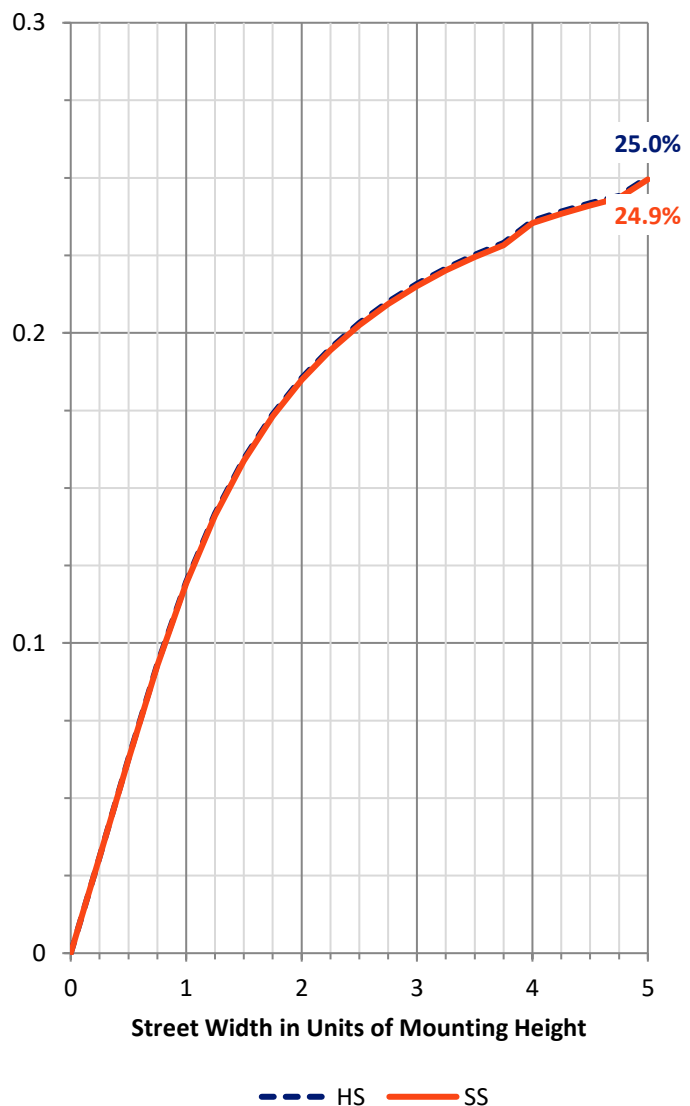
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3929.5	2976.2	6905.7
	% Fixture	28.5	21.5	50.0
<b>Street Side</b>	Lumens	3929.5	2976.2	6905.7
	% Fixture	28.5	21.5	50.0
<b>Total</b>	Lumens	7859.0	5952.5	13811.5
	% Fixture	56.9	43.1	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.9	0.2
10°-20°	120.5	0.9
20°-30°	316.9	2.3
30°-40°	605.8	4.4
40°-50°	931.3	6.7
50°-60°	1220.1	8.8
60°-70°	1439.9	10.4
70°-80°	1579.6	11.4
80°-90°	1623.0	11.8
90°-100°	1563.6	11.3
100°-110°	1402.1	10.2
110°-120°	1139.3	8.2
120°-130°	814.1	5.9
130°-140°	514.9	3.7
140°-150°	288.4	2.1
150°-160°	145.2	1.1
160°-170°	65.9	0.5
170°-180°	19.1	0.1
0°-90°	7859.0	56.9
0°-180°	13811.5	100.0



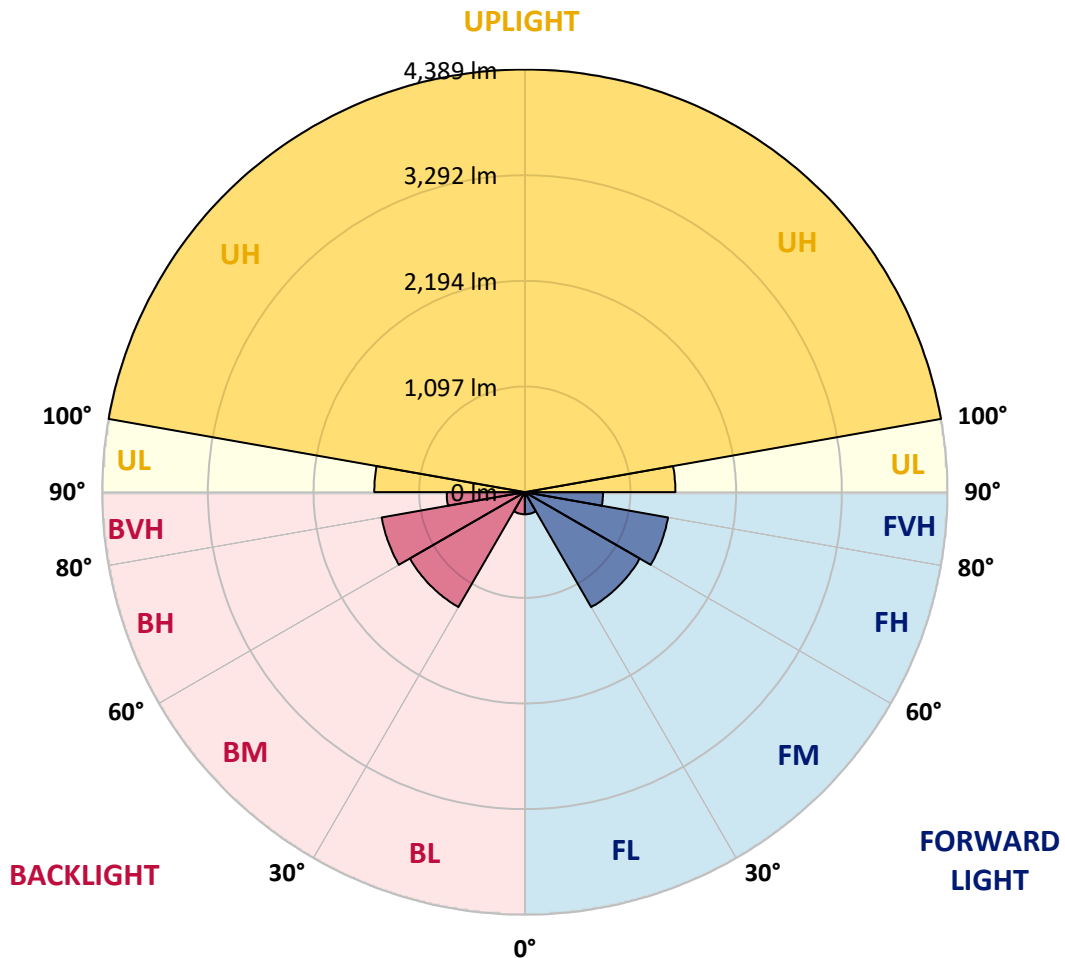
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	229.7	1.7			
FM (30°-60°)	1378.6	10.0			
FH (60°-80°)	1509.8	10.9			G1/1800
FVH (80°-90°)	811.5	5.9			G5
BL (0°-30°)	229.7	1.7	B1/500		
BM (30°-60°)	1378.6	10.0	B2/2500		
BH (60°-80°)	1509.8	10.9	B3/2500		G1/1800
BVH (80°-90°)	811.5	5.9			G5
UL (90°-100°)	1563.6	11.3		U5	
UH (100°-180°)	4388.8	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°	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4
2.5°	181.9	181.9	181.0	179.3	178.5	177.6	175.9	173.4	172.5	172.5	172.5
5°	198.0	198.9	198.9	198.0	198.9	197.2	197.2	195.5	196.3	196.3	197.2
7.5°	238.0	238.0	238.8	238.8	239.7	238.0	238.8	238.0	238.8	238.8	238.8
10°	289.8	289.8	291.5	289.8	290.7	289.0	288.1	288.1	290.7	289.8	289.8
12.5°	348.5	350.2	349.3	348.5	350.2	348.5	346.8	347.6	351.0	349.3	348.5
15°	410.5	412.2	413.9	411.4	412.2	411.4	410.5	411.4	414.8	413.1	412.2
17.5°	473.4	474.3	476.0	472.6	473.4	474.3	473.4	474.3	476.8	476.0	475.1
20°	536.3	538.0	539.7	536.3	537.2	538.0	537.2	538.0	541.4	539.7	538.9
22.5°	602.6	603.5	606.9	602.6	604.3	605.2	603.5	605.2	608.6	606.9	606.0
25°	671.5	670.6	675.7	672.3	673.2	674.9	673.2	674.9	679.1	679.1	676.6
27.5°	742.0	742.0	746.2	743.7	745.4	744.5	746.2	747.9	752.2	753.0	750.5
30°	812.5	812.5	819.3	815.1	817.6	818.5	818.5	820.2	825.3	827.0	823.6
32.5°	883.1	883.1	886.5	887.3	889.0	889.9	891.6	891.6	898.4	899.2	897.5
35°	951.9	951.9	955.3	957.0	961.3	959.6	962.1	962.1	969.8	970.6	969.8
37.5°	1017.4	1018.2	1022.5	1024.2	1027.6	1027.6	1029.3	1031.0	1037.8	1040.3	1039.5
40°	1079.4	1081.1	1084.5	1087.9	1091.3	1091.3	1092.2	1094.7	1102.4	1104.9	1104.1
42.5°	1135.5	1136.4	1141.5	1146.6	1150.0	1150.0	1150.8	1152.5	1161.0	1164.4	1164.4
45°	1184.8	1187.4	1194.2	1201.0	1204.4	1203.5	1203.5	1206.1	1215.4	1219.7	1219.7
47.5°	1230.7	1234.1	1241.8	1248.6	1252.0	1252.0	1251.1	1253.7	1263.9	1269.0	1266.4
50°	1271.5	1274.1	1282.6	1292.8	1295.3	1295.3	1292.8	1295.3	1306.4	1313.2	1313.2
52.5°	1305.5	1308.1	1318.3	1329.3	1332.7	1331.9	1328.5	1331.0	1342.1	1349.7	1348.9
55°	1334.4	1337.8	1348.9	1362.5	1365.9	1363.3	1359.1	1361.6	1373.5	1383.7	1382.9
57.5°	1360.8	1363.3	1376.1	1390.5	1395.6	1391.4	1385.4	1388.0	1401.6	1412.6	1413.5
60°	1382.9	1385.4	1399.9	1416.9	1421.1	1416.0	1408.4	1410.9	1426.2	1439.0	1440.7
62.5°	1401.6	1404.1	1420.3	1439.0	1444.9	1437.3	1427.9	1430.5	1447.5	1461.9	1462.8
65°	1416.9	1419.4	1438.1	1457.7	1463.6	1455.1	1444.1	1446.6	1465.3	1481.4	1483.1
67.5°	1428.8	1432.2	1453.4	1474.6	1479.7	1469.6	1456.8	1459.4	1479.7	1498.4	1500.1
70°	1439.0	1443.2	1465.3	1488.2	1494.2	1482.3	1467.0	1470.4	1493.3	1512.0	1514.6
72.5°	1446.6	1450.9	1474.6	1499.3	1506.1	1491.6	1474.6	1478.0	1502.7	1523.1	1525.6
75°	1451.7	1456.0	1481.4	1507.8	1513.7	1498.4	1479.7	1483.1	1508.6	1530.7	1534.1
77.5°	1454.3	1458.5	1485.7	1512.9	1518.8	1501.0	1481.4	1484.8	1511.2	1535.0	1538.4
80°	1454.3	1457.7	1485.7	1514.6	1519.7	1501.8	1480.6	1483.1	1510.3	1535.8	1539.2
82.5°	1451.7	1455.1	1484.0	1512.9	1518.0	1498.4	1476.3	1479.7	1507.8	1533.3	1537.5
85°	1445.8	1449.2	1478.0	1507.8	1512.9	1491.6	1468.7	1472.1	1500.1	1527.3	1531.6
87.5°	1437.3	1441.5	1469.6	1499.3	1503.5	1481.4	1459.4	1461.1	1490.8	1518.8	1522.2
90°	1427.1	1431.3	1457.7	1487.4	1491.6	1469.6	1446.6	1449.2	1478.0	1506.9	1510.3
92.5°	1415.2	1418.6	1444.1	1471.3	1476.3	1453.4	1431.3	1434.7	1463.6	1492.5	1496.7
95°	1399.9	1402.4	1426.2	1451.7	1456.0	1435.6	1413.5	1416.9	1445.8	1473.8	1478.0
97.5°	1381.2	1382.9	1404.1	1427.1	1432.2	1412.6	1392.2	1395.6	1423.7	1451.7	1456.8
100°	1359.9	1360.8	1379.5	1399.0	1403.3	1387.1	1368.4	1372.7	1399.0	1427.9	1431.3
102.5°	1335.3	1335.3	1350.6	1366.7	1371.8	1358.2	1342.1	1346.3	1371.8	1399.0	1403.3
105°	1308.1	1305.5	1316.6	1329.3	1335.3	1325.1	1313.2	1316.6	1340.4	1366.7	1371.8
107.5°	1274.1	1271.5	1279.2	1290.2	1296.2	1288.5	1279.2	1284.3	1304.7	1329.3	1334.4
110°	1235.8	1232.4	1235.8	1244.3	1251.1	1246.0	1240.9	1245.2	1264.7	1287.7	1291.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1191.6	1187.4	1188.2	1194.2	1200.1	1199.3	1195.9	1202.7	1218.8	1237.5	1241.8
115°	1140.6	1136.4	1133.8	1137.2	1142.3	1145.7	1149.1	1153.4	1166.1	1181.4	1188.2
117.5°	1087.1	1080.3	1076.0	1076.0	1082.0	1087.9	1093.9	1099.8	1108.3	1122.8	1125.3
120°	1025.0	1020.8	1014.8	1014.8	1019.9	1025.9	1035.2	1042.0	1047.1	1057.3	1060.7
122.5°	963.8	957.9	951.9	951.9	955.3	963.8	976.6	982.5	985.1	991.0	993.6
125°	901.8	895.0	888.2	888.2	891.6	900.1	914.5	919.6	921.3	923.9	926.4
127.5°	838.9	832.1	826.1	823.6	828.7	835.5	849.9	856.7	857.6	857.6	859.3
130°	776.0	770.9	764.9	762.4	767.5	773.4	789.6	796.4	793.0	793.0	793.8
132.5°	716.5	711.4	705.5	703.8	707.2	714.8	729.3	735.2	732.7	729.3	730.1
135°	658.7	654.5	646.8	646.0	651.1	654.5	668.1	674.0	671.5	668.1	668.9
137.5°	603.5	599.2	592.4	591.6	596.7	600.9	611.1	617.1	613.7	610.3	611.1
140°	550.8	545.7	540.6	539.7	543.1	547.4	556.7	560.1	556.7	554.2	555.0
142.5°	501.5	498.1	492.1	492.1	493.8	497.2	504.9	508.3	504.9	501.5	499.8
145°	454.7	450.5	447.1	446.2	447.9	451.3	456.4	459.8	456.4	453.9	452.2
147.5°	413.1	409.7	406.3	406.3	407.1	409.7	413.9	414.8	412.2	410.5	408.8
150°	374.8	371.4	369.7	368.9	369.7	370.6	374.0	375.7	373.1	371.4	369.7
152.5°	340.0	337.4	335.7	336.6	336.6	337.4	338.3	339.1	336.6	336.6	334.9
155°	309.4	307.7	306.0	306.8	306.8	306.8	307.7	307.7	306.0	306.0	305.1
157.5°	283.9	282.2	281.3	282.2	282.2	281.3	282.2	282.2	280.5	280.5	279.6
160°	261.8	260.1	260.1	260.1	260.1	259.2	260.9	260.1	259.2	258.4	258.4
162.5°	243.9	242.2	242.2	243.1	242.2	242.2	242.2	242.2	241.4	241.4	240.5
165°	229.5	227.8	227.8	228.6	227.8	227.8	227.8	227.8	226.9	226.9	226.9
167.5°	217.6	216.7	216.7	216.7	216.7	215.9	216.7	216.7	215.9	215.9	215.9
170°	208.2	207.4	207.4	207.4	207.4	207.4	207.4	207.4	207.4	206.5	206.5
172.5°	202.3	201.4	201.4	201.4	201.4	201.4	201.4	201.4	200.6	200.6	200.6
175°	198.0	197.2	197.2	197.2	197.2	197.2	197.2	197.2	197.2	196.3	196.3
177.5°	195.5	194.6	194.6	194.6	194.6	194.6	194.6	194.6	194.6	193.8	193.8
180°	193.8	193.8	193.8	193.8	193.8	193.8	193.8	193.8	193.8	193.8	193.8



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



CCT = 2707K  
CIE x = 0.4580  
CIE y = 0.4082  
Duv = -0.0007

Point lies inside the ANSI 2700K 4-step quadrangle

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**Photopic Flux vs. Wavelength**

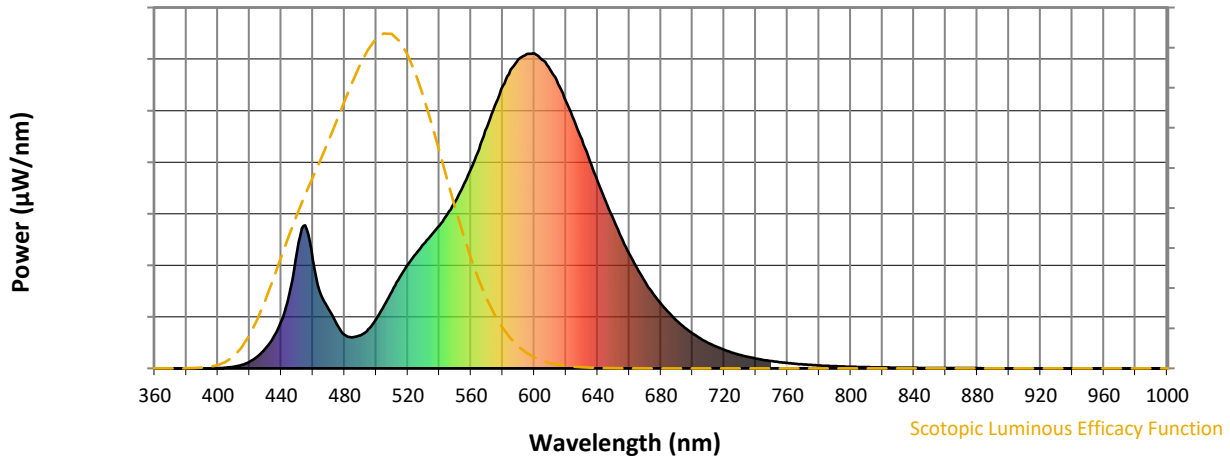


**Photopic Lumens: NR**

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	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**



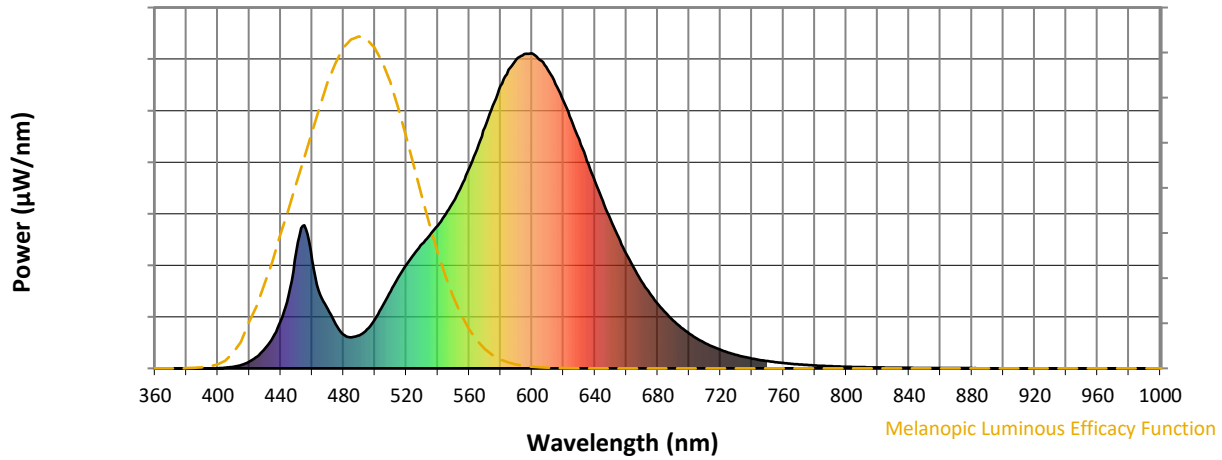
**Scotopic Lumens: NR**

**S/P: 1.12**

λ (nm)	Power W <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	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

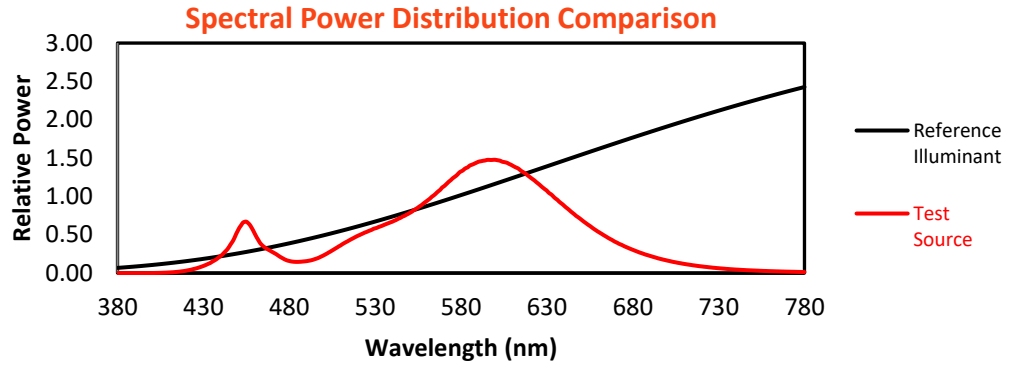
λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	105	NR	620	849	NR	750	23	NR	880	1	NR
365	0	NR	495	124	NR	625	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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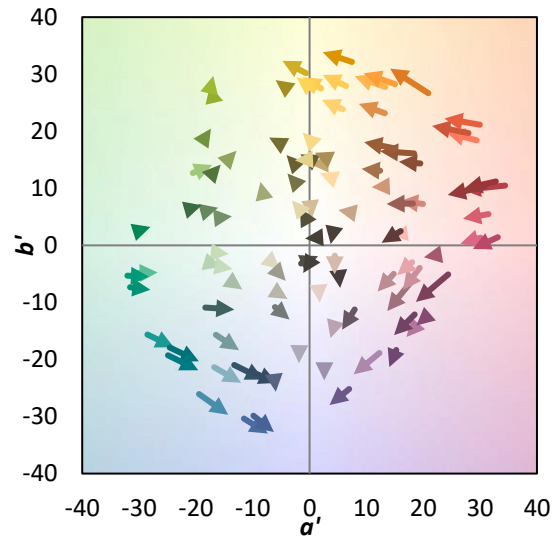
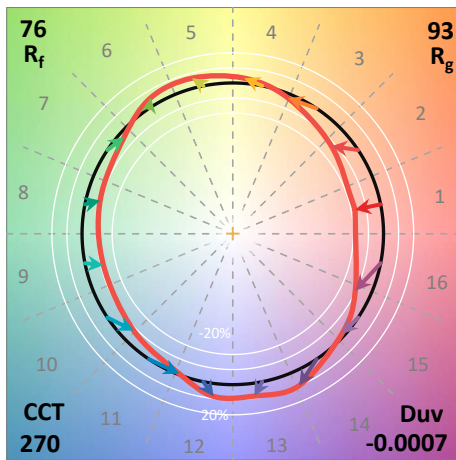
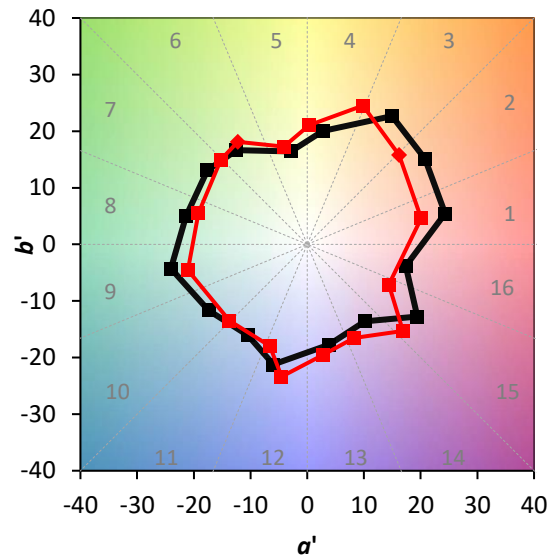
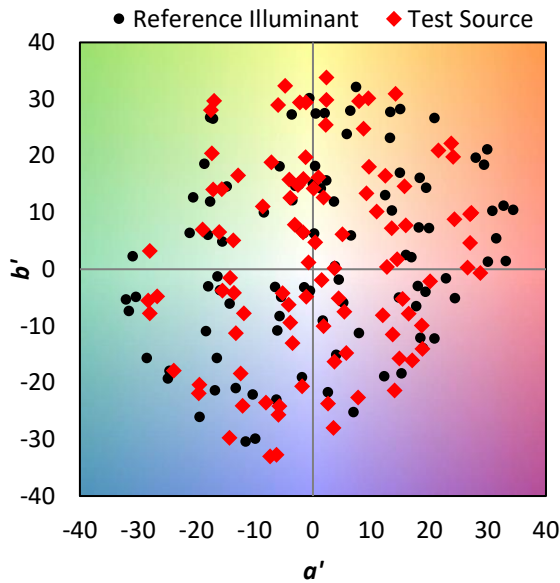
TM-30-18

**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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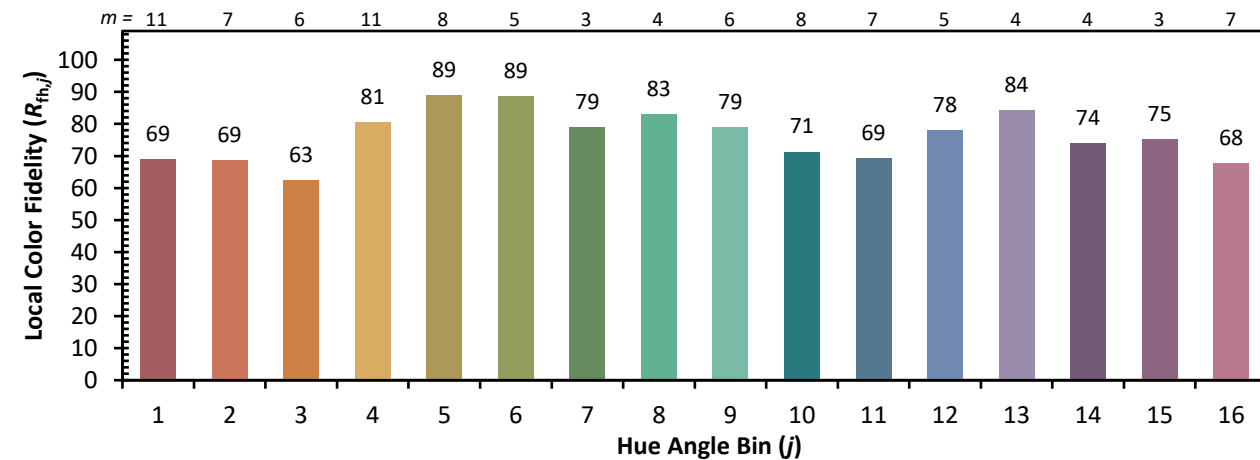
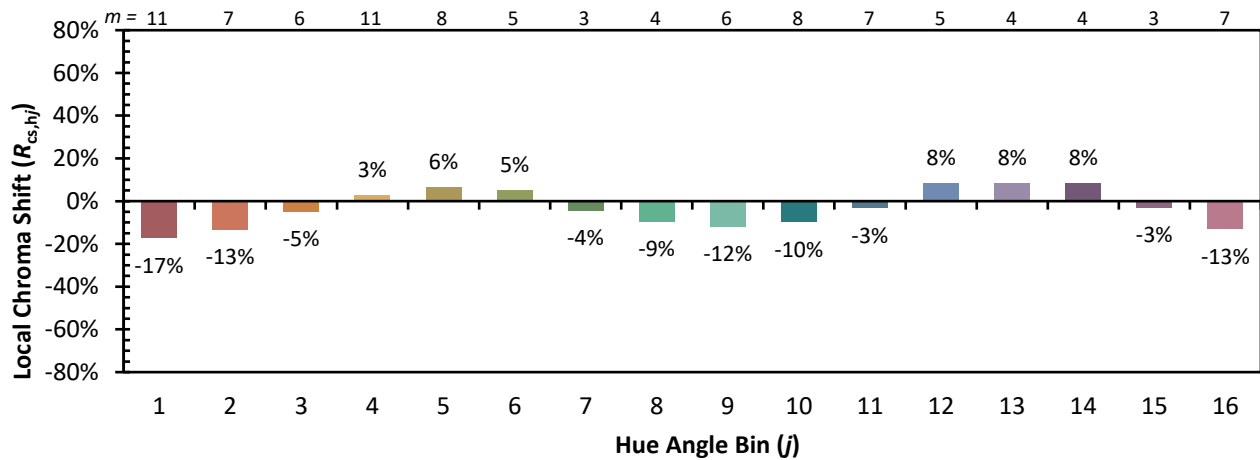
TM-30-18

**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	



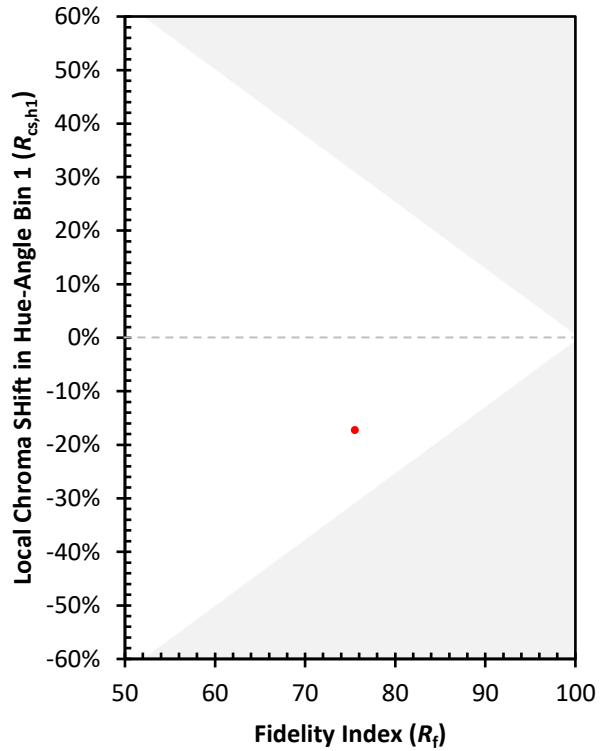
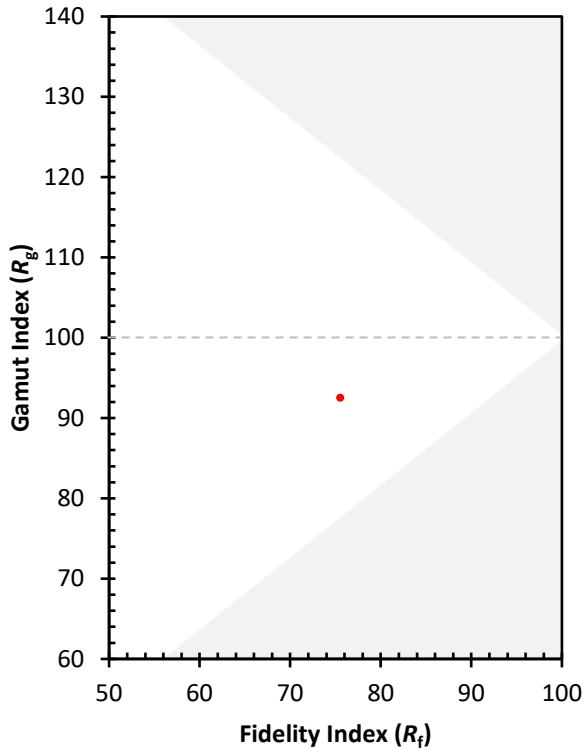
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)