

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: P856398

Luminaire Tested: **FFX-CLB-100-740-U-VM9**

Issue Date: 07/16/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P856398  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 07/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: FFX-CLB-100-740-U-VM9  
Description: FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK  
Light Source: (6) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

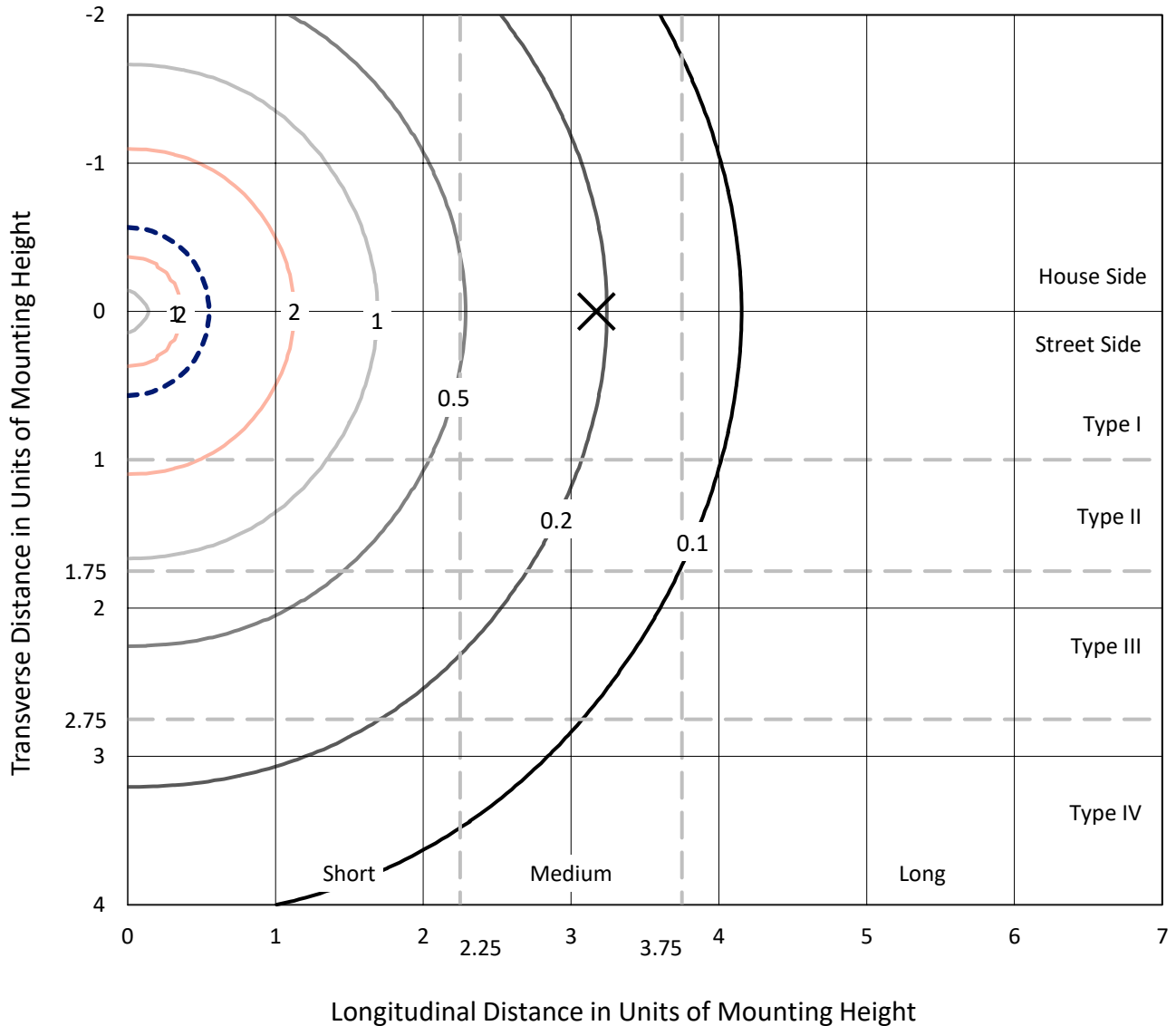
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15536.4 lumens  
Efficiency: N/A  
Efficacy: 161.2 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.08')  
IES Classification: Type V - Short  
BUG Rating: B3 - U5 - G5  
  
Input Watts (W): 96.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.99  
Total Harmonic Distortion (THDi): 5.2%%  
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

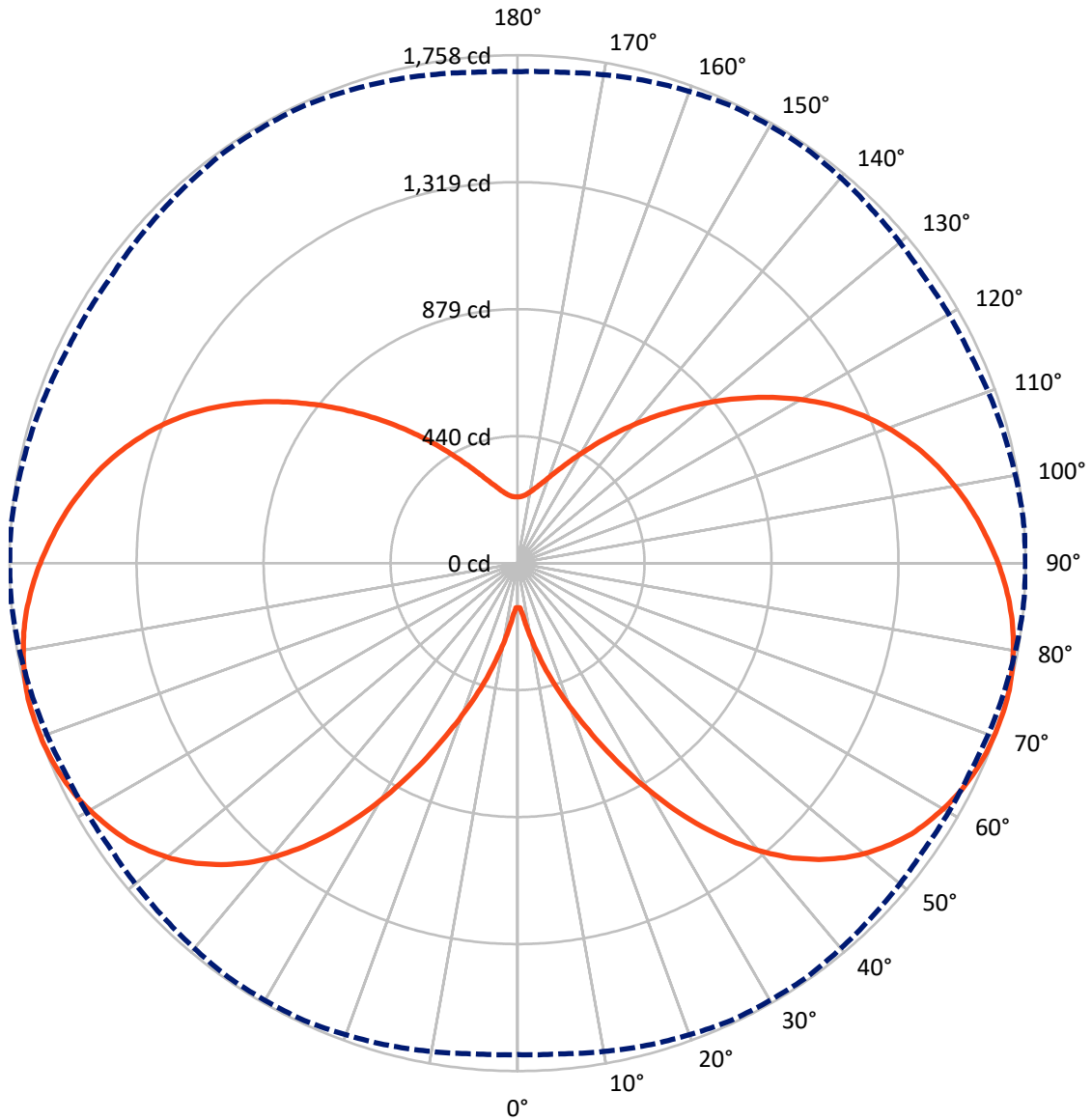
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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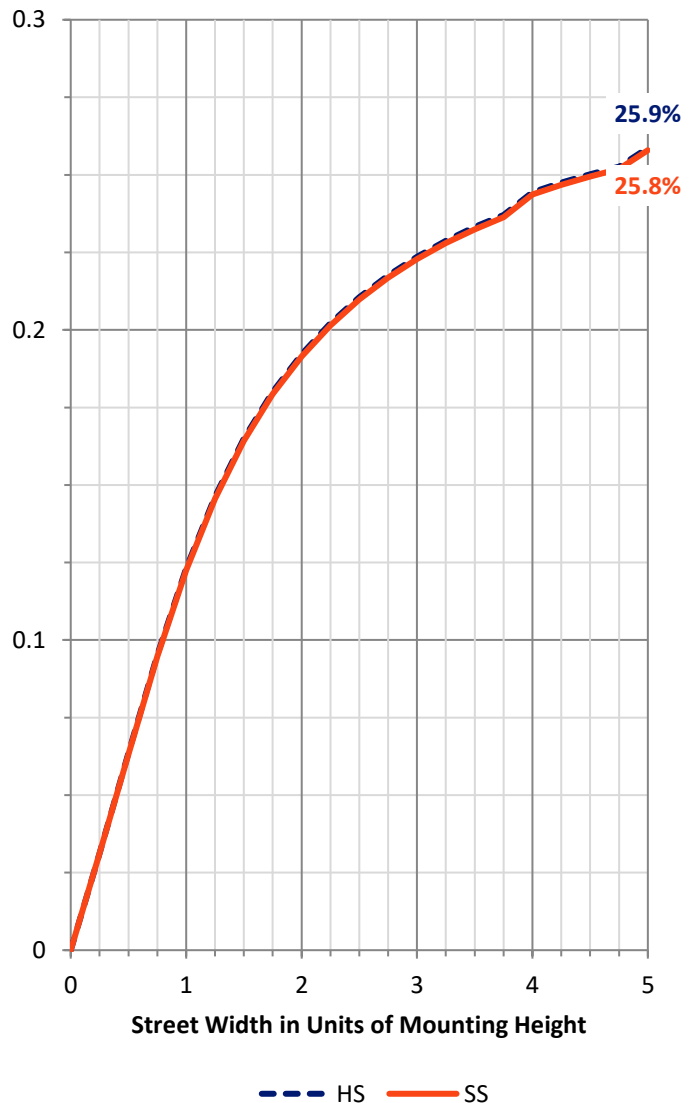
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4550.5	3217.7	7768.2
	% Fixture	29.3	20.7	50.0
<b>Street Side</b>	Lumens	4550.5	3217.7	7768.2
	% Fixture	29.3	20.7	50.0
<b>Total</b>	Lumens	9101.0	6435.5	15536.4
	% Fixture	58.6	41.4	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.9	0.1
10°-20°	116.5	0.8
20°-30°	336.8	2.2
30°-40°	700.5	4.5
40°-50°	1111.7	7.2
50°-60°	1459.3	9.4
60°-70°	1701.6	11.0
70°-80°	1827.7	11.8
80°-90°	1826.9	11.8
90°-100°	1710.1	11.0
100°-110°	1500.5	9.7
110°-120°	1206.7	7.8
120°-130°	866.6	5.6
130°-140°	557.0	3.6
140°-150°	323.2	2.1
150°-160°	169.7	1.1
160°-170°	79.0	0.5
170°-180°	22.7	0.1
0°-90°	9101.0	58.6
0°-180°	15536.4	100.0



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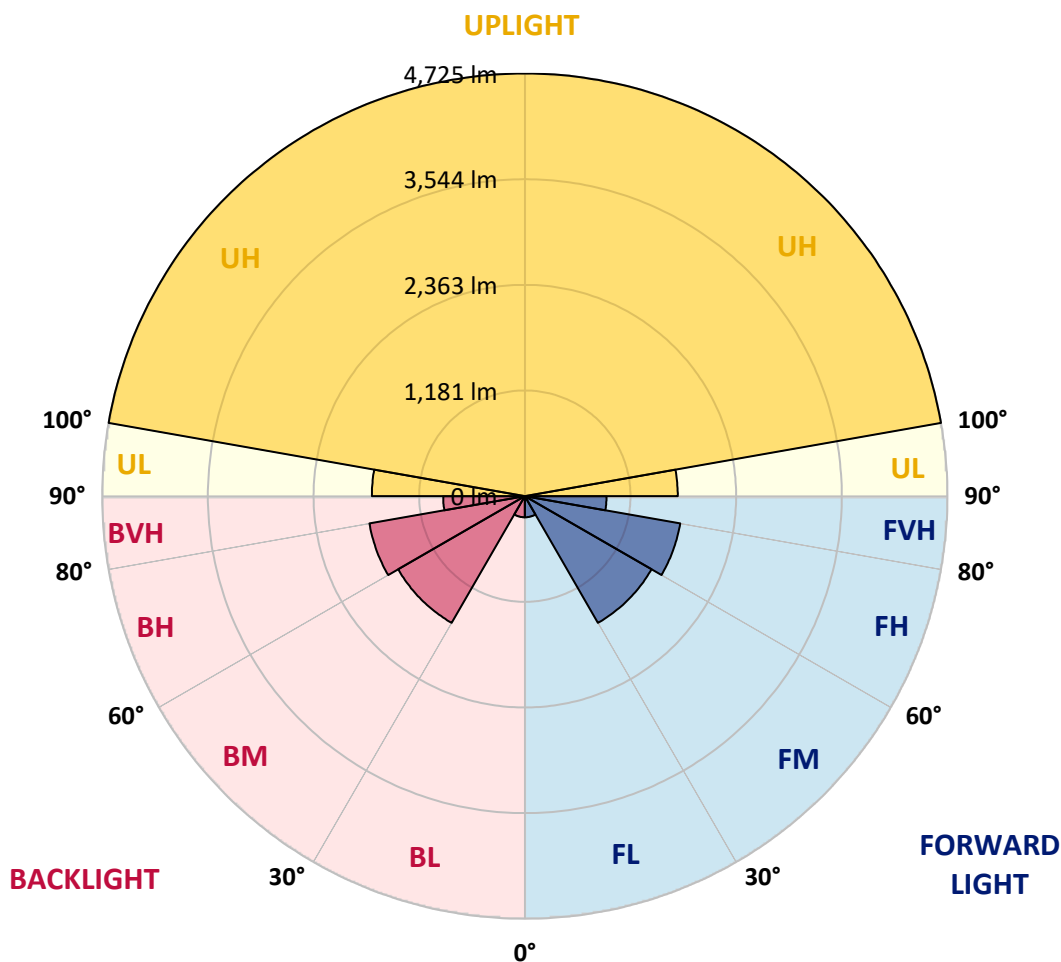
CATALOG NUMBER: FFX-CLB-100-740-U-VM9

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	236.6	1.5			
FM (30°-60°)	1635.8	10.5			
FH (60°-80°)	1764.7	11.4			G1/1800
FVH (80°-90°)	913.4	5.9			G5
BL (0°-30°)	236.6	1.5	B1/500		
BM (30°-60°)	1635.8	10.5	B2/2500		
BH (60°-80°)	1764.7	11.4	B3/2500		G1/1800
BVH (80°-90°)	913.4	5.9			G5
UL (90°-100°)	1710.1	11.0		U5	
UH (100°-180°)	4725.4	30.4		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°	154.0	154.0	154.0	154.0	154.0	154.0	154.0	154.0	154.0	154.0	154.0
2.5°	160.0	160.0	159.0	159.0	158.0	157.0	157.0	156.0	155.0	155.0	155.0
5°	178.0	177.0	177.0	177.0	177.0	176.0	177.0	176.0	176.0	176.0	177.0
7.5°	217.0	216.0	216.0	216.0	217.0	217.0	218.0	219.0	220.0	220.0	220.0
10°	268.0	267.0	267.0	266.0	268.0	268.0	269.0	267.0	270.0	270.0	271.0
12.5°	328.0	327.0	327.0	326.0	328.0	327.0	329.0	327.0	332.0	330.0	330.0
15°	393.0	393.0	392.0	391.0	394.0	394.0	396.0	396.0	399.0	397.0	398.0
17.5°	462.0	461.0	461.0	460.0	463.0	463.0	463.0	465.0	469.0	465.0	468.0
20°	536.0	535.0	535.0	534.0	537.0	537.0	539.0	540.0	544.0	541.0	543.0
22.5°	616.0	615.0	615.0	615.0	619.0	620.0	620.0	623.0	628.0	623.0	627.0
25°	705.0	704.0	704.0	707.0	710.0	711.0	713.0	717.0	722.0	717.0	722.0
27.5°	800.0	799.0	801.0	805.0	808.0	810.0	813.0	814.0	821.0	816.0	823.0
30°	898.0	897.0	899.0	904.0	908.0	914.0	914.0	917.0	927.0	920.0	927.0
32.5°	995.0	994.0	997.0	1003.0	1009.0	1015.0	1016.0	1020.0	1030.0	1025.0	1032.0
35°	1091.0	1090.0	1094.0	1102.0	1108.1	1114.1	1116.1	1120.1	1131.1	1126.1	1133.1
37.5°	1182.1	1182.1	1186.1	1195.1	1202.1	1210.1	1209.1	1214.1	1224.1	1221.1	1228.1
40°	1267.1	1267.1	1272.1	1283.1	1291.1	1296.1	1295.1	1300.1	1311.1	1310.1	1316.1
42.5°	1344.1	1344.1	1351.1	1362.1	1370.1	1373.1	1373.1	1378.1	1390.1	1389.1	1395.1
45°	1409.1	1412.1	1420.1	1432.1	1439.1	1442.1	1440.1	1445.1	1458.1	1458.1	1463.1
47.5°	1469.1	1473.1	1481.1	1493.1	1498.1	1501.1	1499.1	1503.1	1516.1	1518.1	1523.1
50°	1521.1	1524.1	1534.1	1547.1	1552.1	1552.1	1549.1	1553.1	1567.1	1571.1	1575.1
52.5°	1566.1	1569.1	1580.1	1594.1	1597.1	1596.1	1592.1	1596.1	1610.1	1614.1	1617.1
55°	1602.1	1605.1	1618.1	1632.1	1635.1	1632.1	1626.1	1631.1	1644.1	1650.1	1655.1
57.5°	1631.1	1634.1	1649.1	1663.1	1666.1	1660.1	1653.1	1658.1	1673.1	1680.1	1682.1
60°	1655.1	1658.1	1674.1	1689.1	1691.1	1684.1	1676.1	1681.1	1696.1	1704.1	1706.1
62.5°	1674.1	1677.1	1694.1	1711.1	1712.1	1703.1	1694.1	1699.1	1714.1	1723.1	1726.1
65°	1687.1	1690.1	1709.1	1726.1	1728.1	1717.1	1708.1	1713.1	1727.1	1738.1	1740.1
67.5°	1696.1	1699.1	1720.1	1738.1	1739.1	1727.1	1717.1	1721.1	1737.1	1748.1	1750.1
70°	1700.1	1703.1	1725.1	1744.1	1745.1	1732.1	1720.1	1725.1	1741.1	1754.1	1756.1
72.5°	1701.1	1705.1	1728.1	1747.1	1748.1	1733.1	1721.1	1725.1	1742.1	1757.1	1758.1
75°	1697.1	1702.1	1726.1	1746.1	1746.1	1729.1	1716.1	1720.1	1739.1	1755.1	1758.1
77.5°	1692.1	1695.1	1720.1	1740.1	1739.1	1721.1	1706.1	1712.1	1731.1	1749.1	1751.1
80°	1681.1	1685.1	1710.1	1729.1	1727.1	1707.1	1693.1	1699.1	1719.1	1738.1	1740.1
82.5°	1667.1	1671.1	1696.1	1713.1	1711.1	1690.1	1676.1	1683.1	1704.1	1724.1	1726.1
85°	1650.1	1654.1	1678.1	1694.1	1691.1	1670.1	1656.1	1662.1	1685.1	1705.1	1707.1
87.5°	1628.1	1632.1	1656.1	1670.1	1667.1	1645.1	1633.1	1641.1	1662.1	1683.1	1684.1
90°	1603.1	1608.1	1629.1	1642.1	1638.1	1618.1	1607.1	1615.1	1636.1	1656.1	1658.1
92.5°	1578.1	1580.1	1600.1	1611.1	1608.1	1590.1	1580.1	1589.1	1608.1	1628.1	1628.1
95°	1548.1	1551.1	1569.1	1578.1	1575.1	1560.1	1551.1	1561.1	1578.1	1597.1	1598.1
97.5°	1516.1	1519.1	1534.1	1543.1	1540.1	1527.1	1521.1	1531.1	1546.1	1564.1	1565.1
100°	1482.1	1484.1	1497.1	1505.1	1502.1	1492.1	1488.1	1498.1	1512.1	1529.1	1529.1
102.5°	1444.1	1446.1	1456.1	1461.1	1460.1	1452.1	1452.1	1463.1	1474.1	1490.1	1492.1
105°	1404.1	1406.1	1413.1	1416.1	1415.1	1412.1	1414.1	1425.1	1434.1	1448.1	1450.1
107.5°	1359.1	1361.1	1365.1	1366.1	1366.1	1366.1	1373.1	1383.1	1393.1	1403.1	1404.1
110°	1311.1	1312.1	1315.1	1314.1	1314.1	1316.1	1326.1	1337.1	1345.1	1355.1	1356.1



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 CATALOG NUMBER: FFX-CLB-100-740-U-VM9

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1259.1	1260.1	1262.1	1258.1	1259.1	1263.1	1276.1	1288.1	1293.1	1303.1	1303.1
115°	1204.1	1203.1	1205.1	1200.1	1199.1	1206.1	1220.1	1234.1	1238.1	1245.1	1246.1
117.5°	1144.1	1145.1	1144.1	1138.1	1137.1	1147.1	1160.1	1173.1	1178.1	1186.1	1184.1
120°	1082.0	1081.0	1082.0	1075.0	1074.0	1085.0	1098.0	1111.1	1114.1	1121.1	1119.1
122.5°	1019.0	1018.0	1017.0	1010.0	1010.0	1019.0	1035.0	1048.0	1046.0	1054.0	1053.0
125°	954.0	954.0	952.0	945.0	945.0	956.0	969.0	981.0	979.0	988.0	985.0
127.5°	890.0	890.0	888.0	882.0	882.0	892.0	904.0	916.0	913.0	921.0	918.0
130°	827.0	827.0	825.0	819.0	819.0	827.0	840.0	850.0	846.0	853.0	852.0
132.5°	767.0	766.0	765.0	759.0	760.0	768.0	778.0	787.0	783.0	791.0	788.0
135°	709.0	708.0	707.0	701.0	702.0	710.0	719.0	726.0	723.0	728.0	727.0
137.5°	654.0	653.0	652.0	647.0	648.0	654.0	663.0	669.0	665.0	672.0	669.0
140°	602.0	601.0	599.0	596.0	597.0	603.0	608.0	615.0	611.0	617.0	614.0
142.5°	552.0	552.0	550.0	547.0	548.0	554.0	558.0	563.0	559.0	564.0	562.0
145°	506.0	506.0	504.0	502.0	502.0	507.0	510.0	515.0	511.0	516.0	514.0
147.5°	464.0	464.0	462.0	460.0	460.0	465.0	467.0	471.0	467.0	471.0	469.0
150°	425.0	425.0	424.0	422.0	423.0	425.0	427.0	430.0	427.0	430.0	429.0
152.5°	391.0	391.0	390.0	389.0	388.0	391.0	392.0	395.0	392.0	395.0	393.0
155°	361.0	360.0	360.0	358.0	358.0	360.0	361.0	363.0	360.0	363.0	362.0
157.5°	334.0	334.0	333.0	332.0	332.0	333.0	334.0	335.0	333.0	336.0	334.0
160°	311.0	311.0	310.0	309.0	309.0	310.0	310.0	311.0	309.0	311.0	310.0
162.5°	291.0	291.0	290.0	290.0	289.0	290.0	291.0	291.0	290.0	291.0	290.0
165°	275.0	275.0	274.0	273.0	273.0	274.0	274.0	275.0	273.0	274.0	274.0
167.5°	260.0	260.0	260.0	259.0	258.0	259.0	259.0	259.0	258.0	259.0	259.0
170°	249.0	249.0	249.0	248.0	247.0	248.0	248.0	248.0	247.0	248.0	248.0
172.5°	240.0	240.0	240.0	239.0	239.0	239.0	239.0	239.0	239.0	239.0	239.0
175°	234.0	234.0	234.0	234.0	233.0	234.0	234.0	234.0	234.0	234.0	233.0
177.5°	231.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0
180°	229.0	229.0	229.0	229.0	229.0	229.0	229.0	229.0	229.0	229.0	229.0



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.

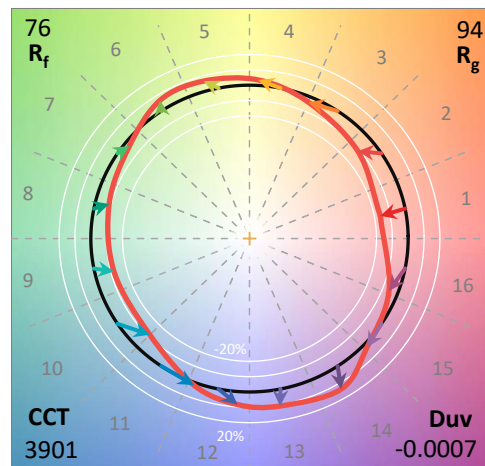
**Test Information**

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**

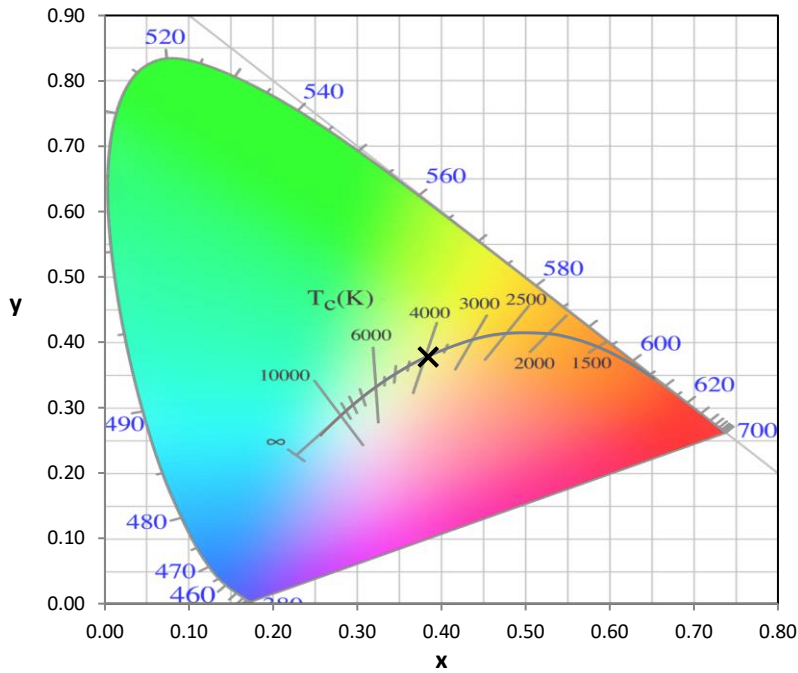
Stabilization Time: 0.818109M  
 Operation Time: 1H  
 Sphere Temperature (°C): 24.6

REPORT NUMBER: SP1-2406-133-1

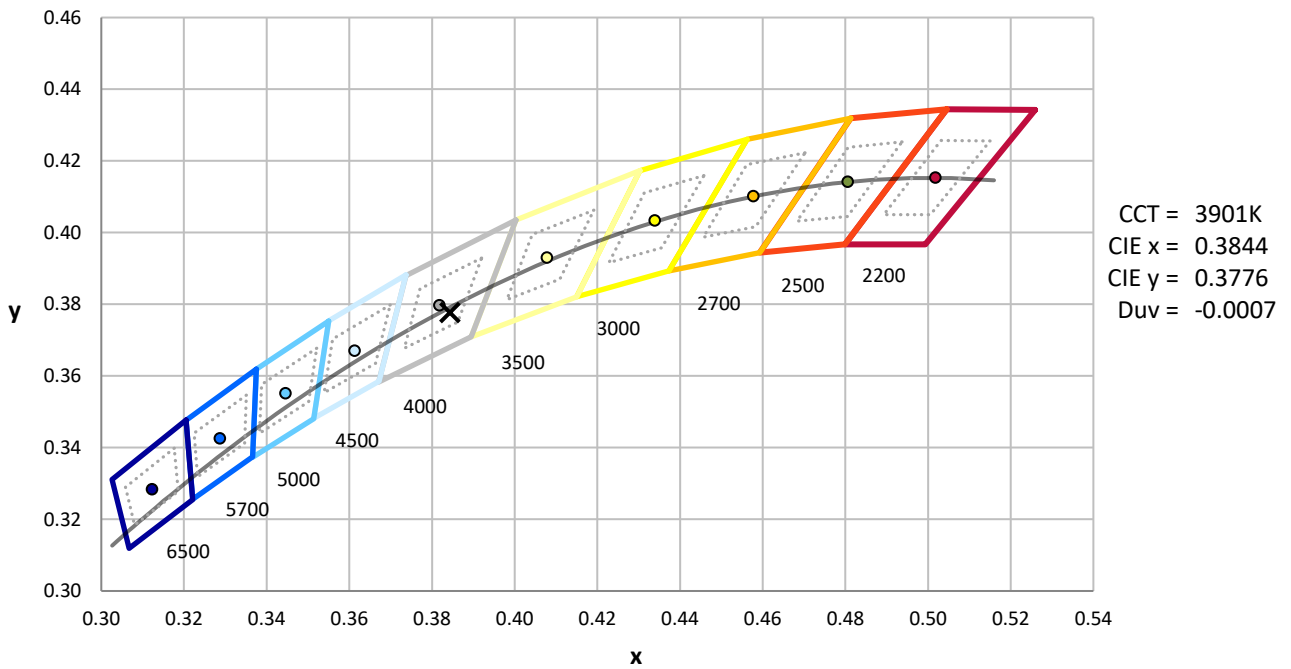
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	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 <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /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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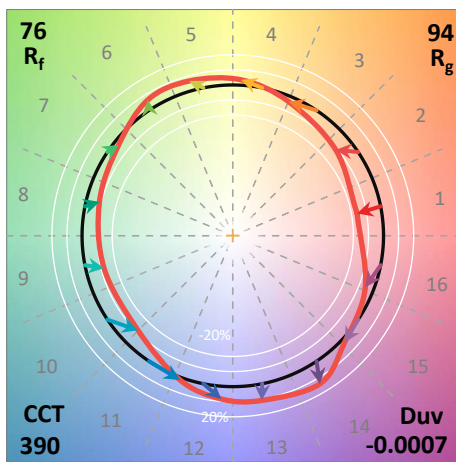
TM-30-18

**Summary**

$R_f = 76.2$   
 $R_g = 94.4$   
 CIE  $R_a = 74.5$   
 $R_g = -23.4$



**Color Vector Graphics**



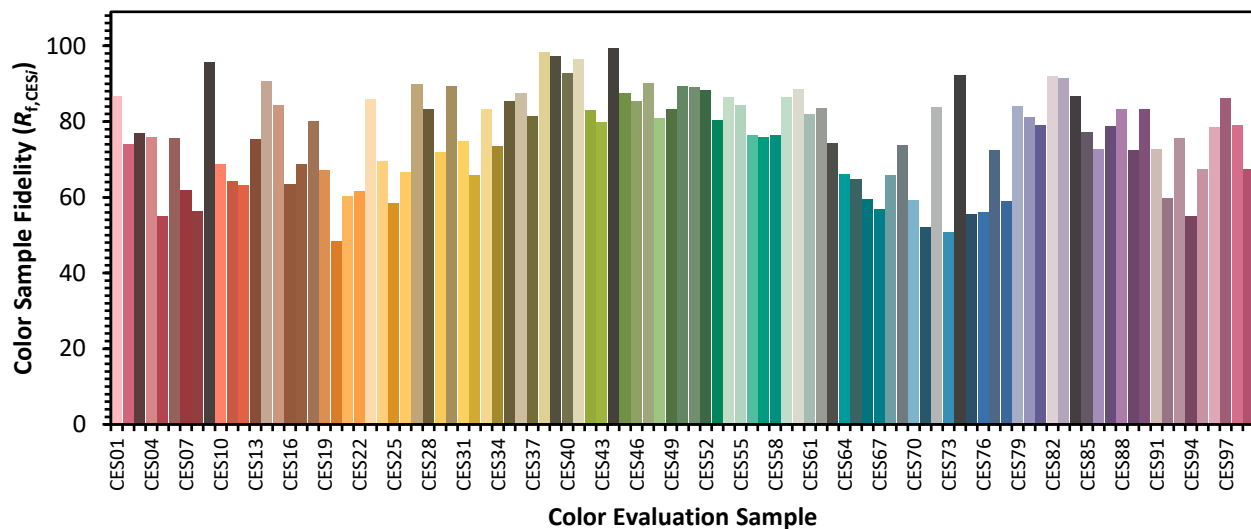


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**Individual Sample Fidelity Index ( $R_{f,i}$ )**

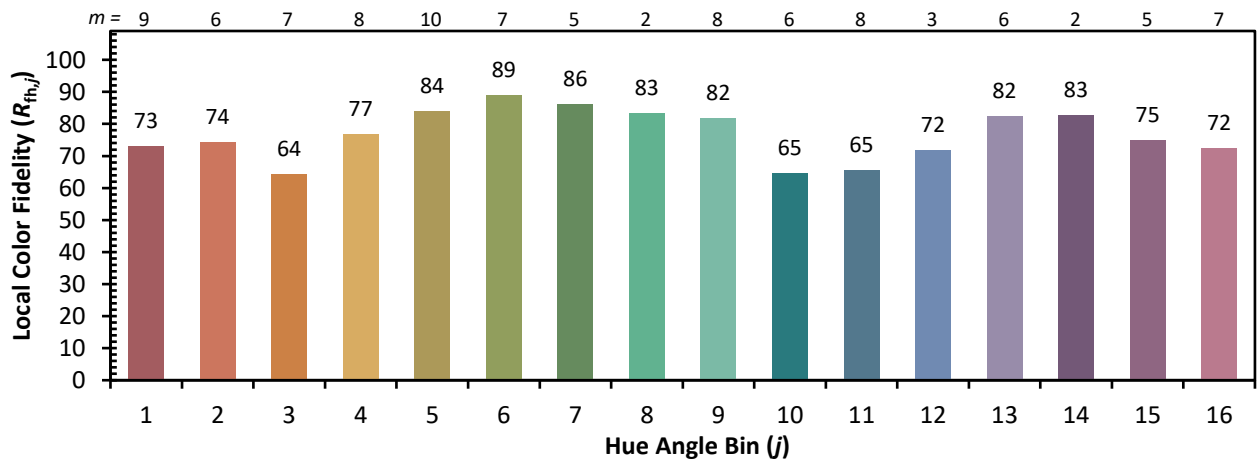
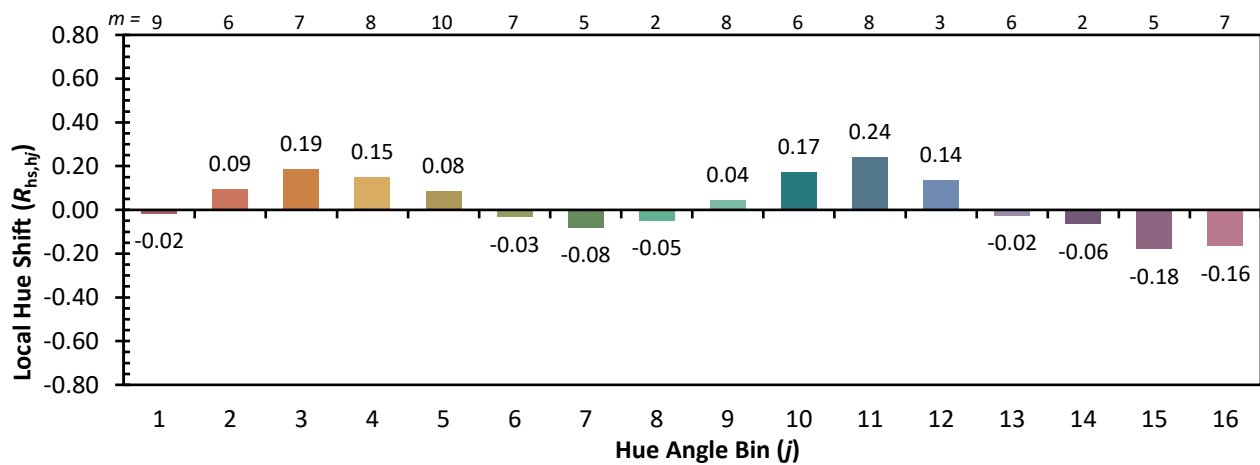
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CES02 = 61	CES27 = 90	CES52 = 88	CES77 = 72
CES03 = 30	CES28 = 83	CES53 = 80	CES78 = 59
CES04 = 70	CES29 = 72	CES54 = 86	CES79 = 84
CES05 = 48	CES30 = 89	CES55 = 84	CES80 = 81
CES06 = 51	CES31 = 75	CES56 = 77	CES81 = 79
CES07 = 40	CES32 = 66	CES57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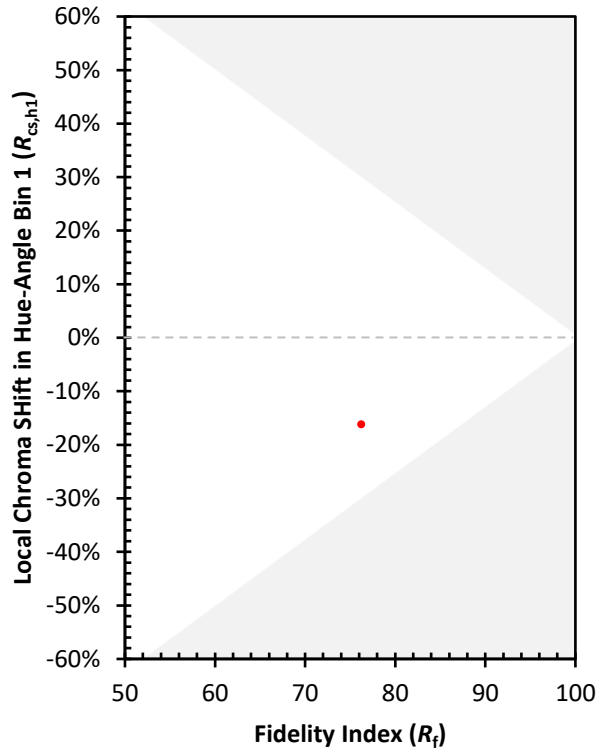
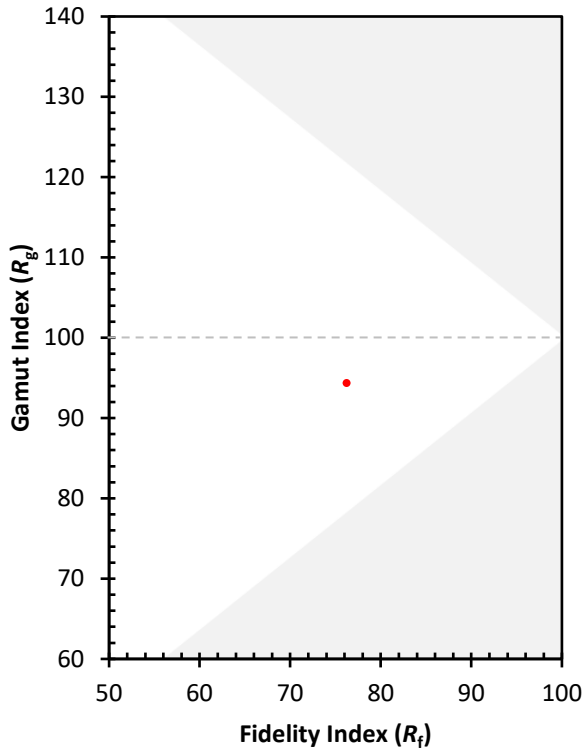
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)