

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: P856353

Luminaire Tested: **FFX-CLB-100-740-U-VM8**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856353
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-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

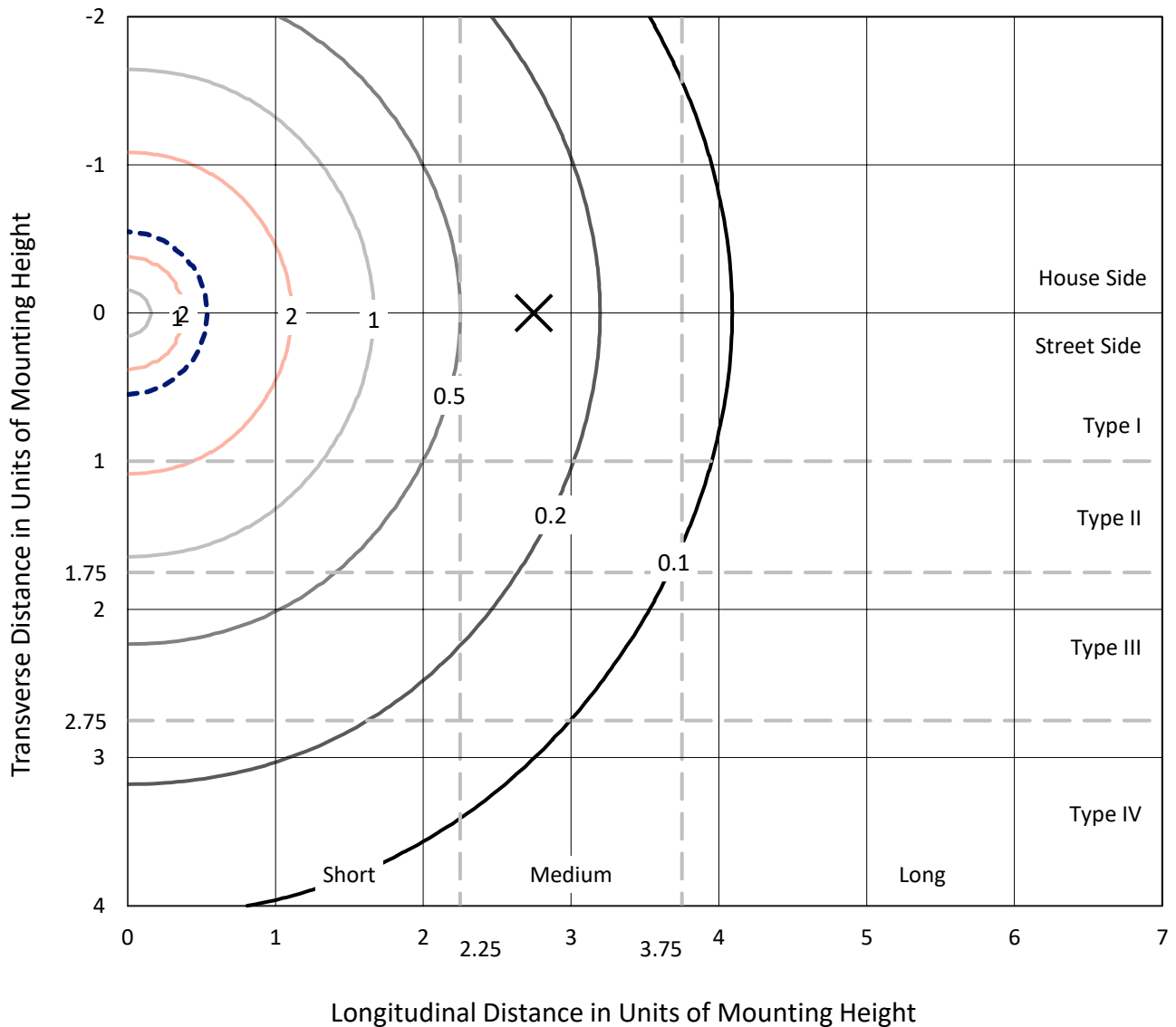
Lumens per Lamp: N/A
Luminaire Lumens: 15601.5 lumens
Efficiency: N/A
Efficacy: 161.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification: Type V - Short
BUG Rating: B3 - U5 - G5

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

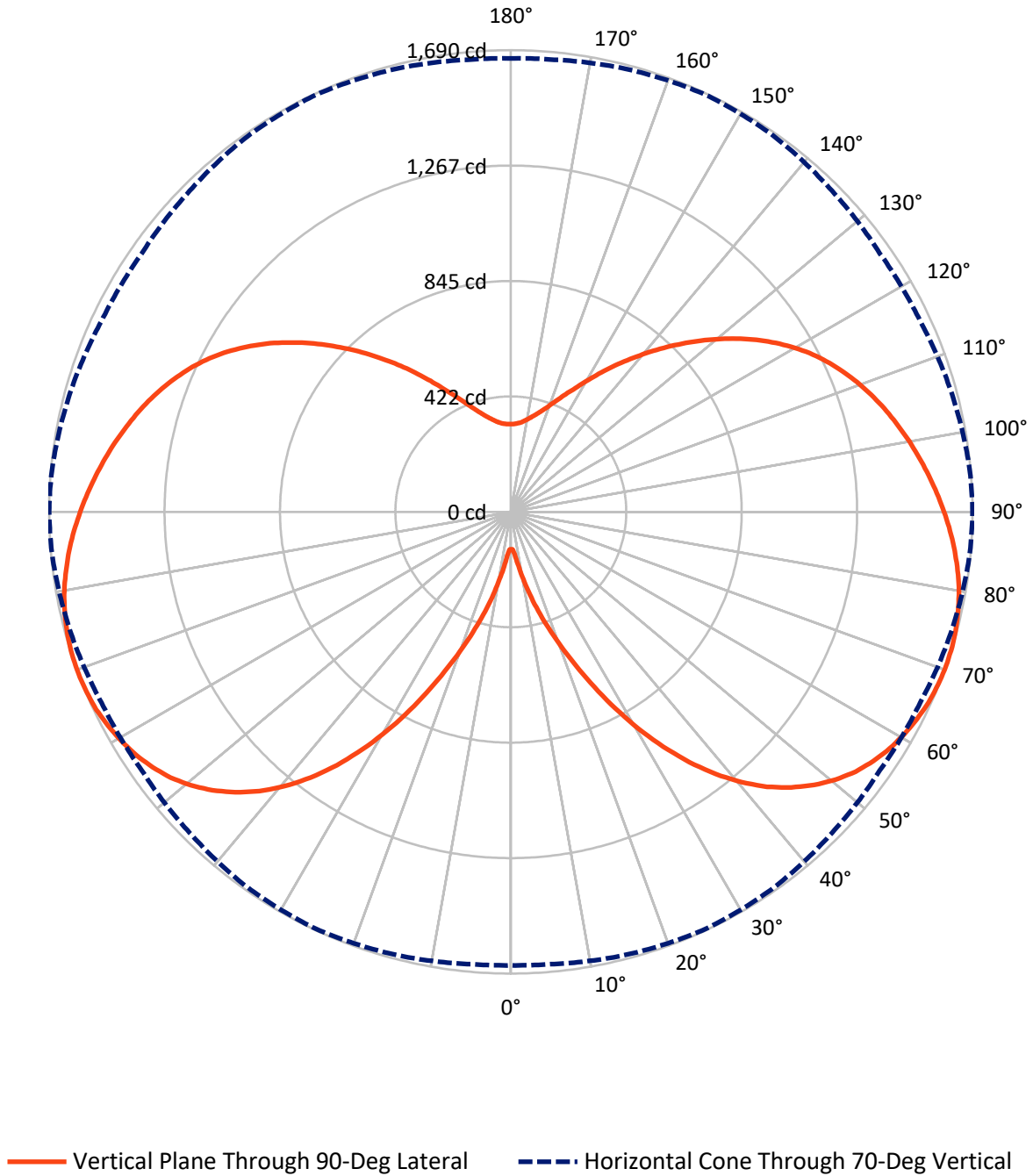
× Max cd
 - - - 1/2 Max cd



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



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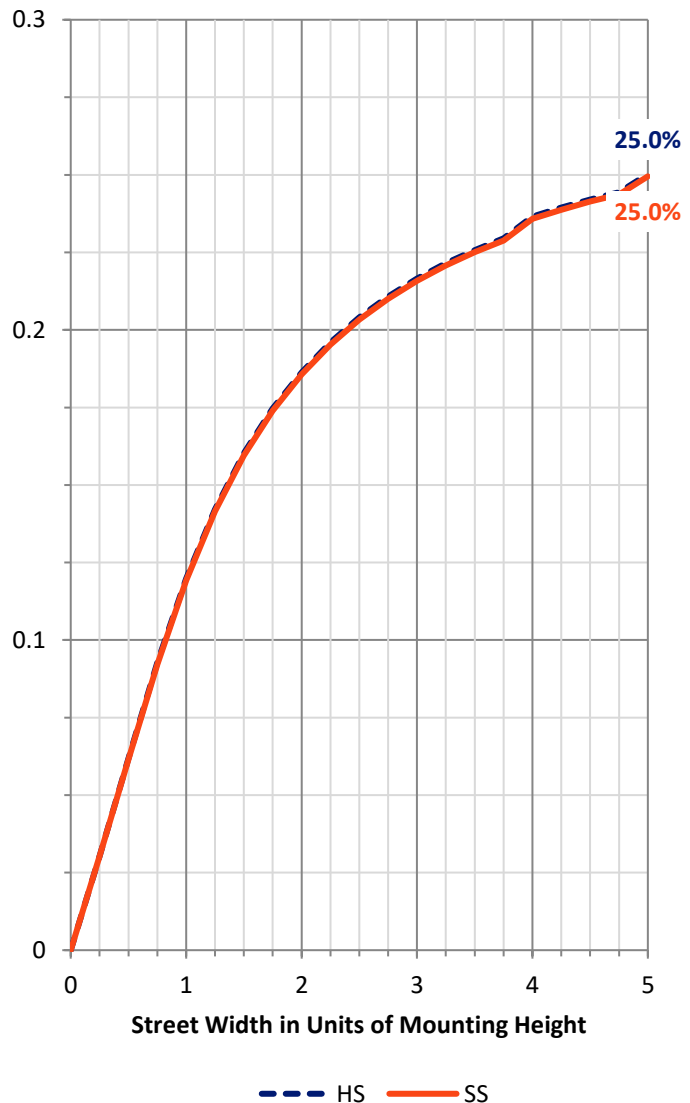
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4418.2	3382.5	7800.7
	% Fixture	28.3	21.7	50.0
Street Side	Lumens	4418.2	3382.5	7800.7
	% Fixture	28.3	21.7	50.0
Total	Lumens	8836.4	6765.1	15601.5
	% Fixture	56.6	43.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.3	0.1
10°-20°	111.7	0.7
20°-30°	333.3	2.1
30°-40°	696.9	4.5
40°-50°	1093.7	7.0
50°-60°	1419.6	9.1
60°-70°	1643.3	10.5
70°-80°	1759.1	11.3
80°-90°	1760.6	11.3
90°-100°	1660.3	10.6
100°-110°	1485.6	9.5
110°-120°	1249.2	8.0
120°-130°	958.2	6.1
130°-140°	655.6	4.2
140°-150°	400.0	2.6
150°-160°	218.7	1.4
160°-170°	106.0	0.7
170°-180°	31.6	0.2
0°-90°	8836.4	56.6
0°-180°	15601.5	100.0

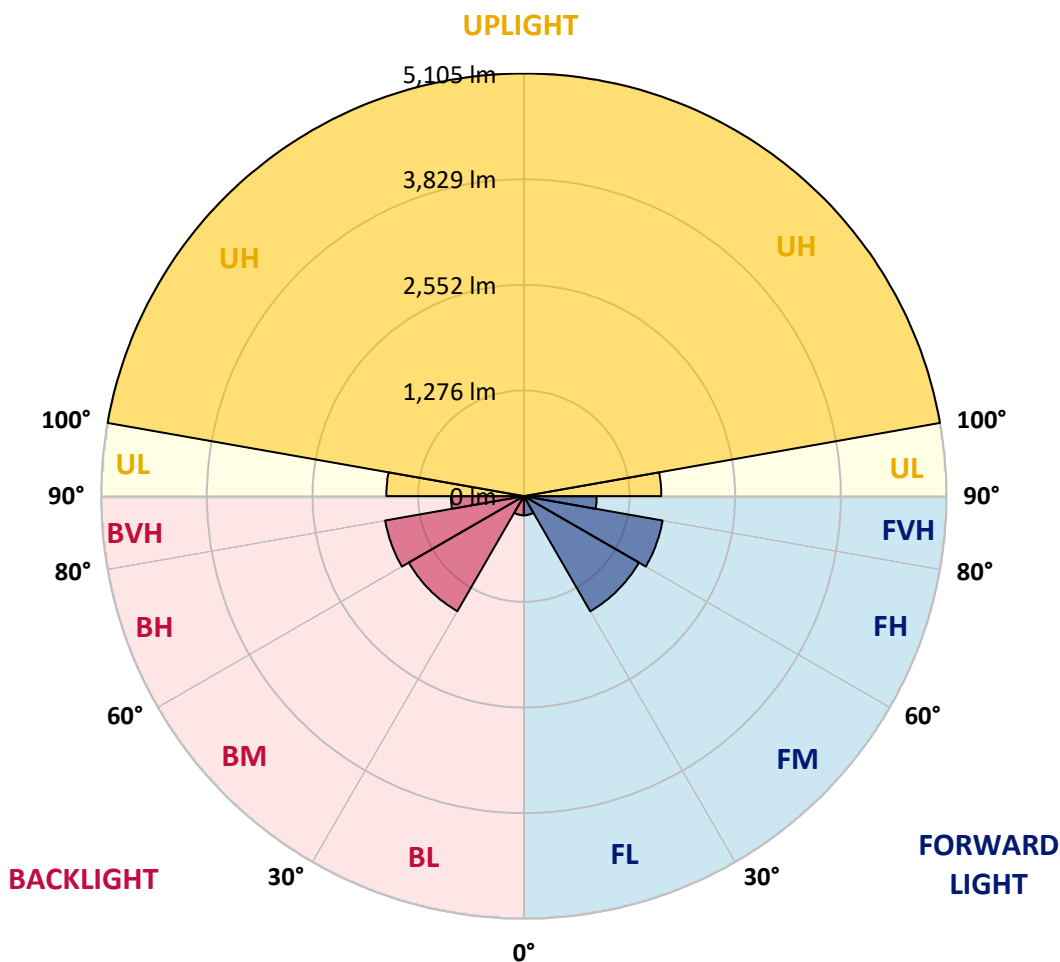


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	231.7	1.5			
FM (30°-60°)	1605.0	10.3			
FH (60°-80°)	1701.2	10.9			G1/1800
FVH (80°-90°)	880.3	5.6			G5
BL (0°-30°)	231.7	1.5	B1/500		
BM (30°-60°)	1605.0	10.3	B2/2500		
BH (60°-80°)	1701.2	10.9	B3/2500		G1/1800
BVH (80°-90°)	880.3	5.6			G5
UL (90°-100°)	1660.3	10.6		U5	
UH (100°-180°)	5104.7	32.7		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°	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0
2.5°	143.0	143.0	142.0	142.0	141.0	140.0	140.0	140.0	139.0	139.0	138.0
5°	163.0	162.0	162.0	161.0	162.0	161.0	161.0	161.0	161.0	159.0	159.0
7.5°	202.0	201.0	201.0	200.0	202.0	200.0	200.0	201.0	201.0	200.0	200.0
10°	253.0	252.0	252.0	250.0	252.0	251.0	251.0	249.0	250.0	249.0	250.0
12.5°	314.0	311.0	311.0	310.0	312.0	311.0	310.0	308.0	310.0	309.0	309.0
15°	377.0	378.0	377.0	376.0	378.0	378.0	377.0	375.0	377.0	375.0	376.0
17.5°	446.9	446.9	446.9	443.9	446.9	447.9	446.9	444.9	445.9	446.9	446.9
20°	522.9	522.9	523.9	521.9	526.9	523.9	522.9	521.9	522.9	523.9	524.9
22.5°	606.9	606.9	607.9	606.9	609.9	609.9	608.9	608.9	609.9	611.9	611.9
25°	699.9	700.9	700.9	697.9	704.9	706.9	704.9	704.9	706.9	709.9	709.9
27.5°	795.9	799.9	797.9	797.9	806.9	807.9	806.9	807.9	810.9	813.9	814.9
30°	894.9	897.9	901.9	898.9	908.9	909.9	910.9	911.9	915.9	920.9	920.9
32.5°	993.9	996.9	998.9	998.9	1011.9	1010.9	1009.9	1013.9	1019.9	1021.9	1024.9
35°	1092.9	1092.9	1094.9	1095.9	1108.9	1107.9	1109.9	1112.9	1118.9	1122.9	1124.9
37.5°	1181.9	1179.9	1184.9	1186.9	1196.9	1197.9	1198.9	1203.9	1210.9	1215.9	1217.9
40°	1262.9	1260.9	1266.9	1269.9	1278.9	1278.9	1280.9	1286.9	1294.8	1299.8	1300.8
42.5°	1334.8	1333.8	1339.8	1343.8	1352.8	1351.8	1350.8	1358.8	1367.8	1373.8	1375.8
45°	1396.8	1395.8	1403.8	1408.8	1415.8	1413.8	1413.8	1420.8	1430.8	1437.8	1438.8
47.5°	1449.8	1449.8	1458.8	1464.8	1470.8	1467.8	1465.8	1472.8	1482.8	1492.8	1493.8
50°	1496.8	1495.8	1505.8	1512.8	1517.8	1513.8	1510.8	1517.8	1528.8	1538.8	1540.8
52.5°	1533.8	1535.8	1545.8	1554.8	1558.8	1552.8	1547.8	1554.8	1566.8	1577.8	1579.8
55°	1565.8	1566.8	1577.8	1588.8	1590.8	1582.8	1576.8	1582.8	1595.8	1607.8	1609.8
57.5°	1590.8	1592.8	1605.8	1615.8	1616.8	1607.8	1600.8	1605.8	1619.8	1631.8	1634.8
60°	1612.8	1614.8	1626.8	1637.8	1638.8	1627.8	1618.8	1622.8	1637.8	1651.8	1653.8
62.5°	1629.8	1632.8	1645.8	1655.8	1655.8	1642.8	1631.8	1635.8	1651.8	1666.8	1668.8
65°	1643.8	1646.8	1659.8	1669.8	1668.8	1653.8	1641.8	1645.8	1662.8	1677.8	1680.8
67.5°	1653.8	1655.8	1669.8	1679.8	1675.8	1659.8	1647.8	1650.8	1668.8	1683.8	1686.8
70°	1659.8	1661.8	1675.8	1684.8	1678.8	1661.8	1648.8	1652.8	1670.8	1686.8	1689.8
72.5°	1662.8	1665.8	1678.8	1686.8	1679.8	1660.8	1646.8	1651.8	1669.8	1686.8	1688.8
75°	1661.8	1663.8	1676.8	1683.8	1674.8	1656.8	1641.8	1646.8	1665.8	1680.8	1683.8
77.5°	1656.8	1658.8	1670.8	1676.8	1665.8	1647.8	1633.8	1638.8	1656.8	1671.8	1674.8
80°	1648.8	1650.8	1661.8	1665.8	1654.8	1636.8	1623.8	1628.8	1645.8	1659.8	1662.8
82.5°	1635.8	1638.8	1648.8	1650.8	1638.8	1622.8	1609.8	1614.8	1630.8	1643.8	1645.8
85°	1619.8	1621.8	1630.8	1631.8	1619.8	1605.8	1594.8	1599.8	1613.8	1623.8	1626.8
87.5°	1601.8	1601.8	1610.8	1610.8	1597.8	1584.8	1576.8	1580.8	1593.8	1601.8	1604.8
90°	1579.8	1580.8	1586.8	1585.8	1573.8	1562.8	1555.8	1560.8	1571.8	1578.8	1580.8
92.5°	1555.8	1556.8	1561.8	1559.8	1547.8	1538.8	1532.8	1538.8	1548.8	1553.8	1555.8
95°	1529.8	1530.8	1534.8	1530.8	1519.8	1512.8	1507.8	1514.8	1522.8	1527.8	1529.8
97.5°	1502.8	1503.8	1506.8	1502.8	1490.8	1484.8	1482.8	1488.8	1496.8	1500.8	1502.8
100°	1474.8	1474.8	1476.8	1470.8	1460.8	1455.8	1454.8	1461.8	1469.8	1473.8	1475.8
102.5°	1443.8	1444.8	1444.8	1438.8	1428.8	1425.8	1425.8	1433.8	1441.8	1444.8	1446.8
105°	1411.8	1411.8	1411.8	1406.8	1395.8	1393.8	1394.8	1402.8	1411.8	1415.8	1417.8
107.5°	1376.8	1377.8	1375.8	1370.8	1361.8	1359.8	1361.8	1372.8	1380.8	1384.8	1386.8
110°	1339.8	1340.8	1339.8	1333.8	1325.8	1324.8	1327.8	1338.8	1346.8	1350.8	1353.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1300.8	1301.8	1300.8	1295.8	1287.9	1287.9	1291.8	1302.8	1311.8	1314.8	1317.8
115°	1259.9	1260.9	1258.9	1254.9	1246.9	1248.9	1252.9	1263.9	1272.9	1275.9	1279.9
117.5°	1215.9	1216.9	1215.9	1210.9	1203.9	1205.9	1211.9	1222.9	1230.9	1233.9	1237.9
120°	1167.9	1167.9	1167.9	1162.9	1155.9	1159.9	1165.9	1177.9	1184.9	1186.9	1190.9
122.5°	1118.9	1116.9	1116.9	1113.9	1105.9	1110.9	1116.9	1128.9	1135.9	1136.9	1139.9
125°	1064.9	1065.9	1062.9	1060.9	1053.9	1059.9	1064.9	1076.9	1082.9	1083.9	1086.9
127.5°	1006.9	1009.9	1006.9	1003.9	998.9	1004.9	1010.9	1021.9	1026.9	1027.9	1029.9
130°	952.9	952.9	949.9	947.9	942.9	948.9	954.9	964.9	969.9	969.9	971.9
132.5°	898.9	895.9	894.9	892.9	886.9	893.9	897.9	907.9	911.9	910.9	912.9
135°	839.9	839.9	836.9	835.9	830.9	837.9	841.9	850.9	853.9	852.9	854.9
137.5°	784.9	784.9	782.9	780.9	777.9	783.9	787.9	794.9	797.9	794.9	797.9
140°	730.9	730.9	729.9	727.9	724.9	730.9	733.9	739.9	742.9	739.9	741.9
142.5°	680.9	678.9	677.9	676.9	672.9	678.9	680.9	686.9	687.9	685.9	688.9
145°	627.9	628.9	627.9	626.9	623.9	628.9	630.9	635.9	636.9	634.9	637.9
147.5°	583.9	580.9	581.9	580.9	577.9	582.9	583.9	586.9	588.9	586.9	588.9
150°	539.9	537.9	537.9	536.9	534.9	538.9	539.9	542.9	543.9	541.9	543.9
152.5°	500.9	499.9	499.9	498.9	496.9	499.9	500.9	502.9	503.9	501.9	502.9
155°	465.9	464.9	464.9	463.9	461.9	464.9	464.9	466.9	467.9	466.9	467.9
157.5°	434.9	433.9	433.9	433.9	431.9	433.9	433.9	435.9	435.9	434.9	435.9
160°	410.0	408.0	409.0	408.0	406.0	408.0	408.0	409.0	409.0	409.0	409.0
162.5°	387.0	387.0	387.0	386.0	385.0	386.0	386.0	387.0	387.0	387.0	386.0
165°	369.0	369.0	369.0	368.0	367.0	368.0	368.0	368.0	368.0	368.0	368.0
167.5°	354.0	353.0	354.0	353.0	352.0	353.0	353.0	353.0	353.0	353.0	353.0
170°	341.0	341.0	341.0	341.0	340.0	341.0	341.0	341.0	341.0	341.0	341.0
172.5°	333.0	332.0	332.0	332.0	331.0	332.0	331.0	332.0	331.0	332.0	331.0
175°	326.0	326.0	326.0	326.0	325.0	325.0	325.0	325.0	325.0	325.0	325.0
177.5°	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0	322.0
180°	321.0	321.0	321.0	321.0	321.0	321.0	321.0	321.0	321.0	321.0	321.0

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.

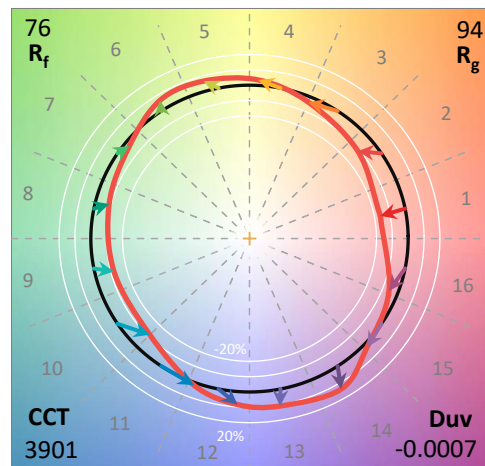
Test Information

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

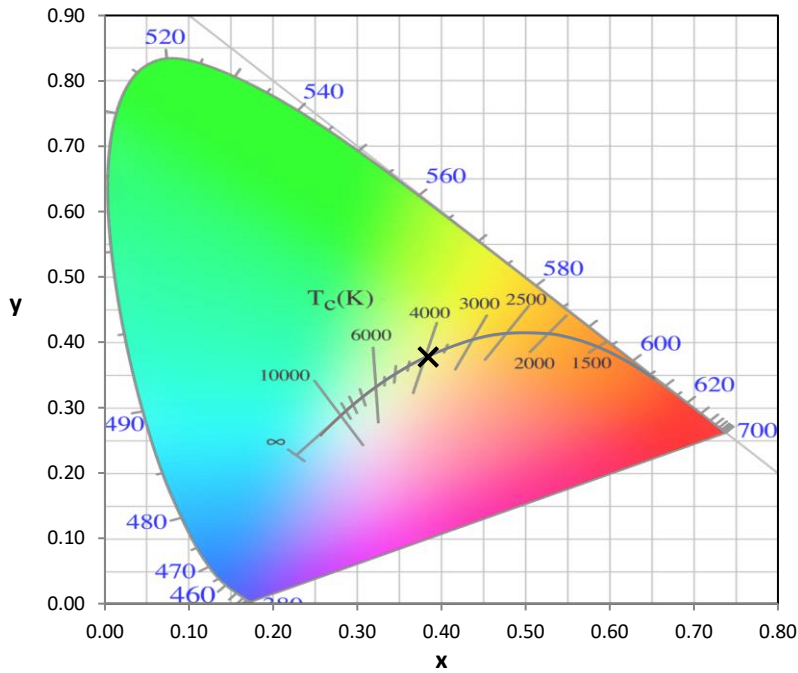
Stabilization Time: 0.818109M
 Operation Time: 1H
 Sphere Temperature (°C): 24.6

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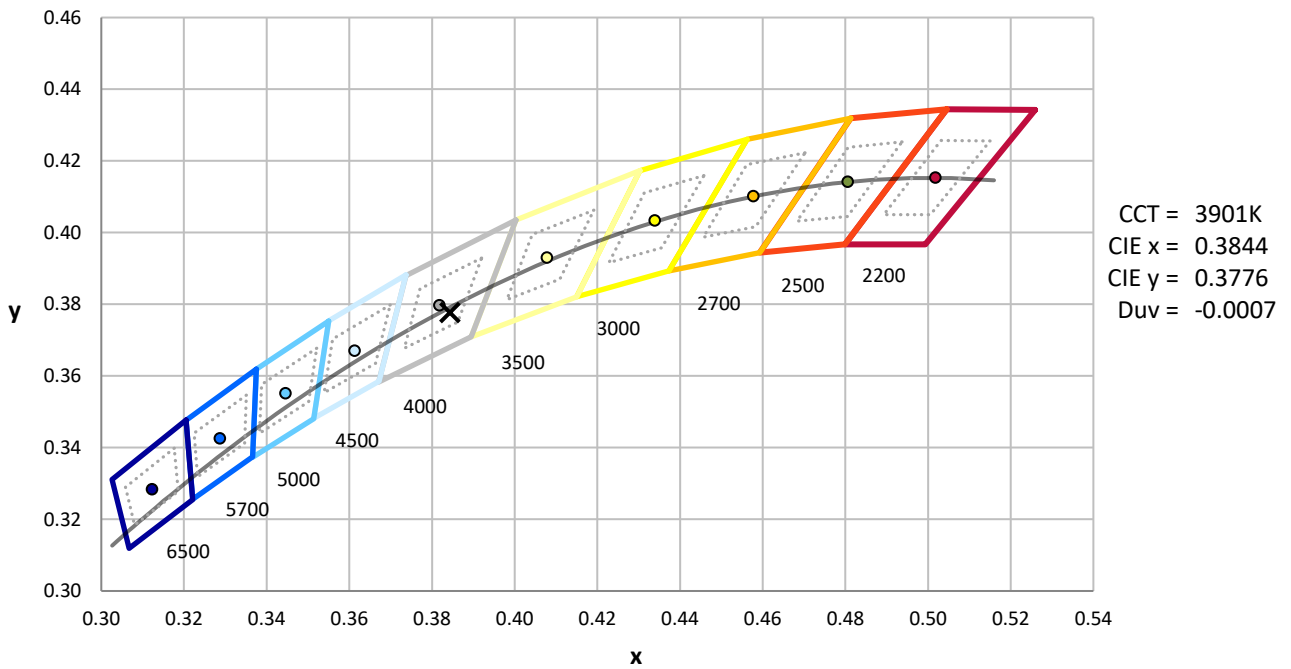
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

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CIE 1931 Chromaticity Diagram



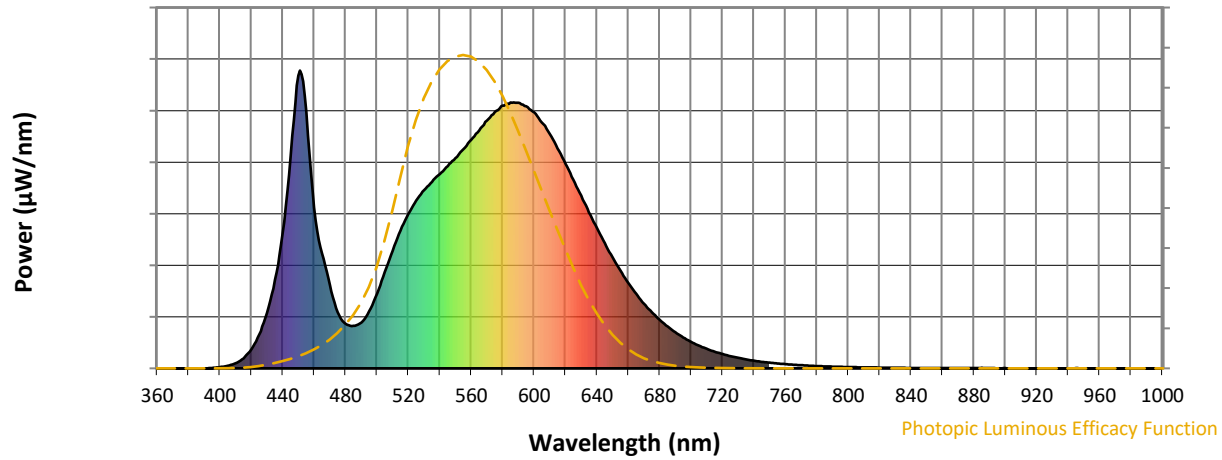
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

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Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power W [^] /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	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 [^] /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	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 [^] /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	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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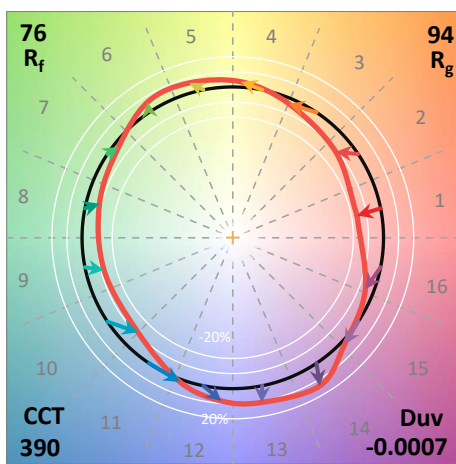
TM-30-18

Summary

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



Color Vector Graphics

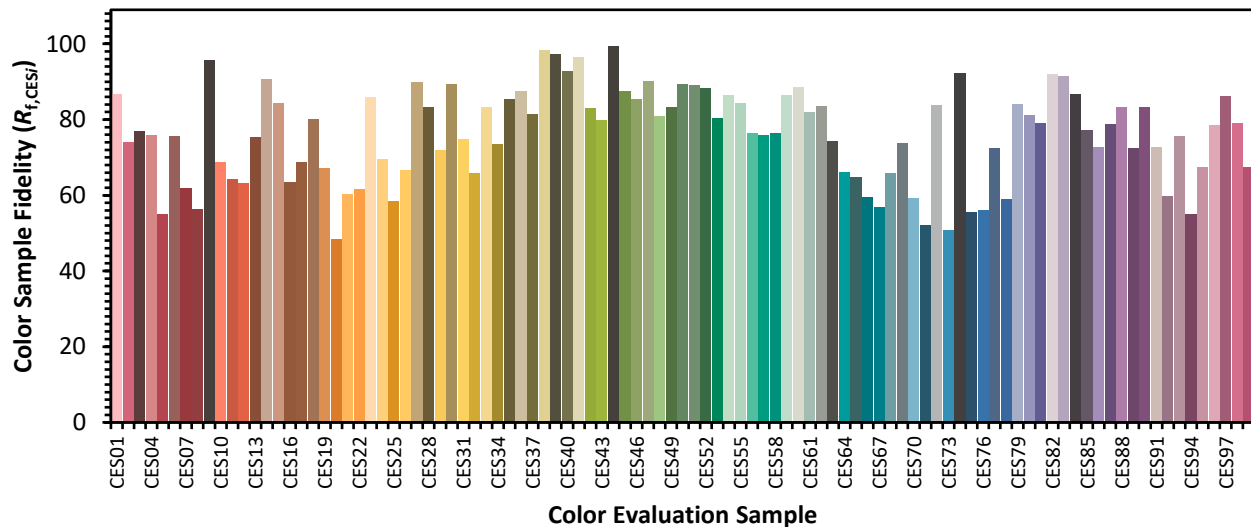


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Individual Sample Fidelity Index ($R_{f,i}$)

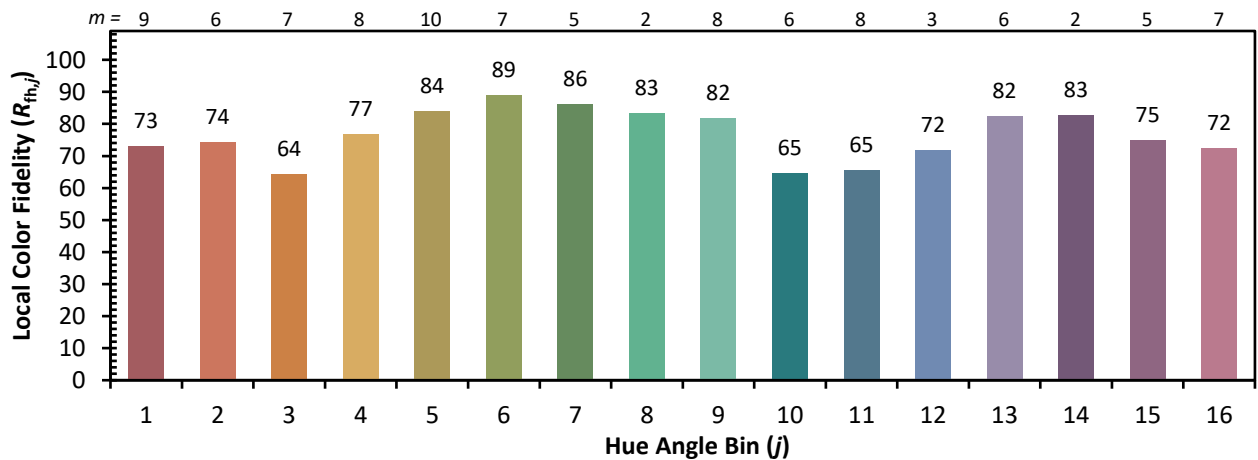
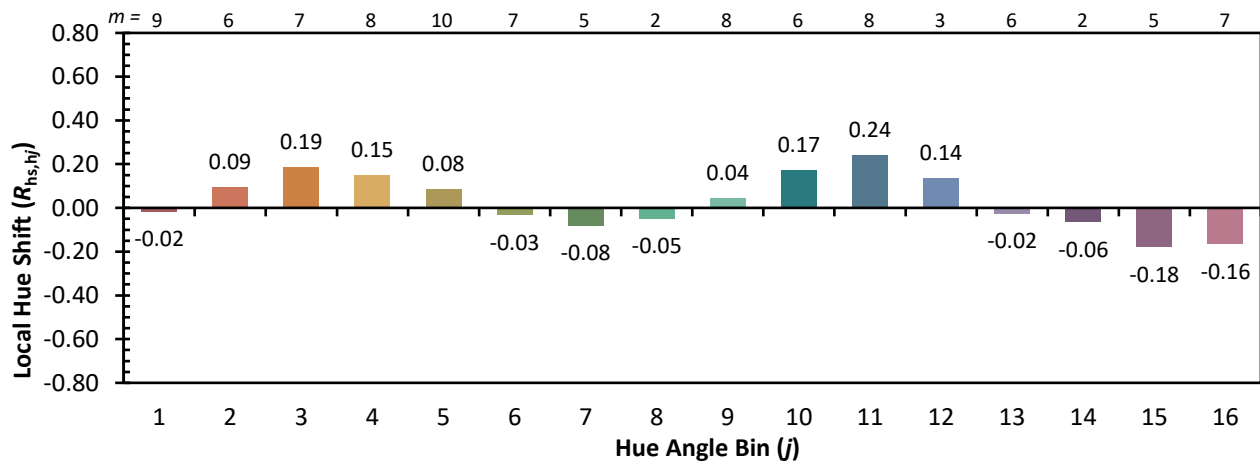
CES01 = 85	CES26 = 67	CES51 = 89	CES76 = 56
CES02 = 61	CES27 = 90	CES52 = 88	CES77 = 72
CES03 = 30	CES28 = 83	CES53 = 80	CES78 = 59
CES04 = 70	CES29 = 72	CES54 = 86	CES79 = 84
CES05 = 48	CES30 = 89	CES55 = 84	CES80 = 81
CES06 = 51	CES31 = 75	CES56 = 77	CES81 = 79
CES07 = 40	CES32 = 66	CES57 = 76	CES82 = 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
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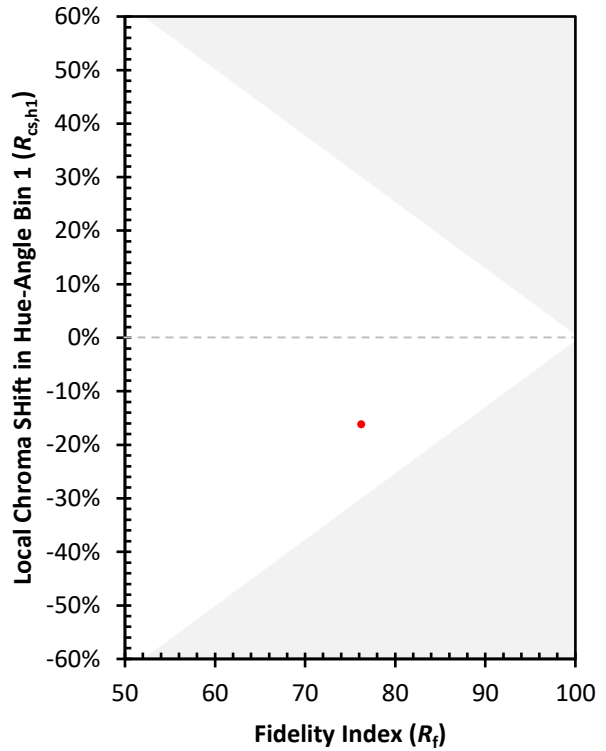
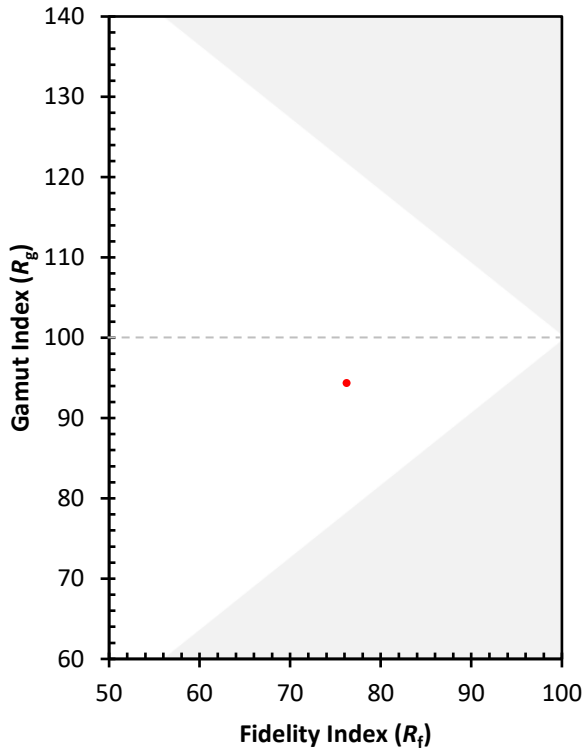
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)