

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: P856308

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

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856308
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-FG
Description: FAIRFAX POST TOP FIXTURE w/ FROSTED GLOBE
Light Source: (6) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

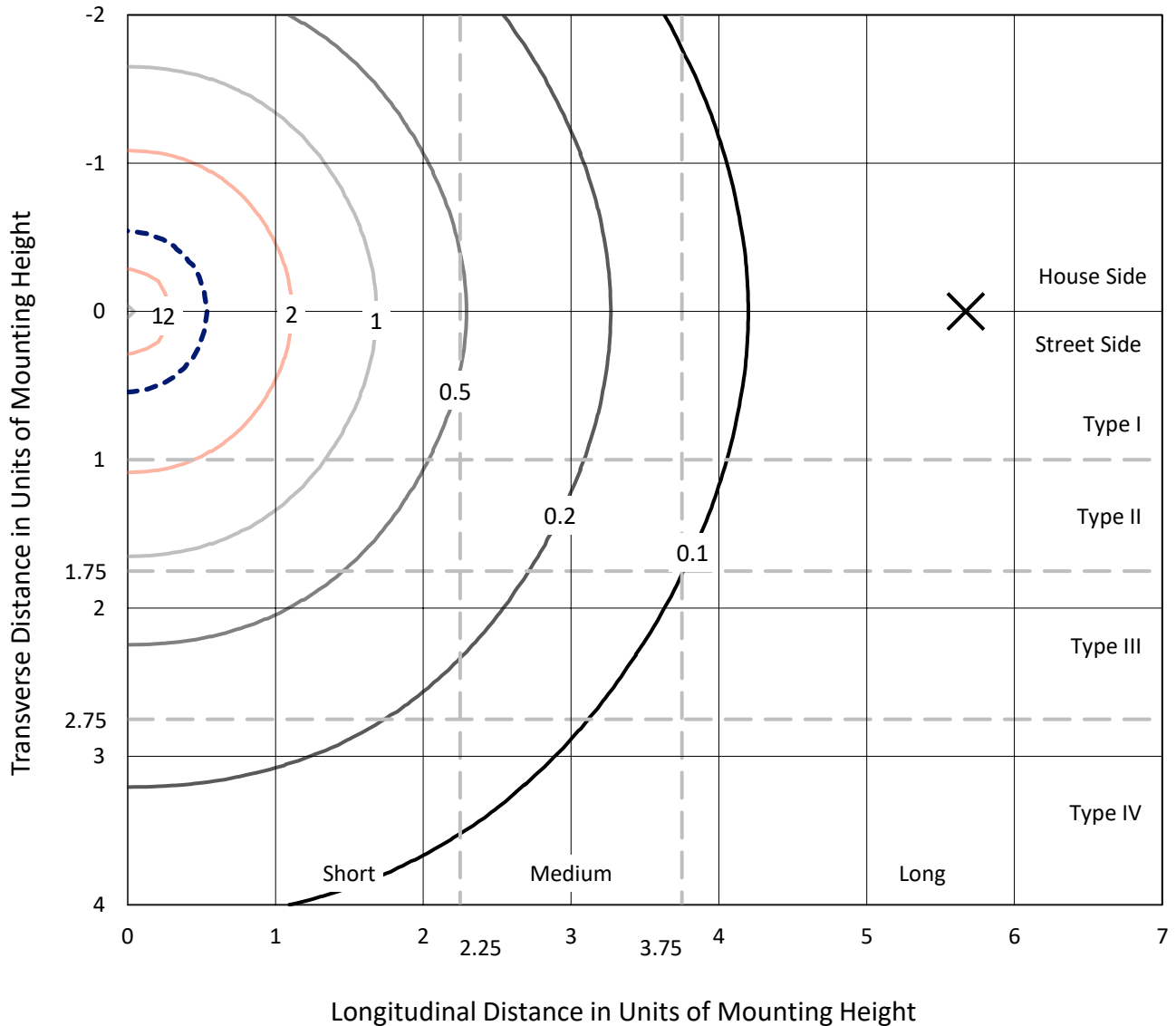
Lumens per Lamp: N/A
Luminaire Lumens: 16250.7 lumens
Efficiency: N/A
Efficacy: 168.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 1.5')
IES Classification: Type V - Short
BUG Rating: B3 - U5 - G5

Input Watts (W): 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

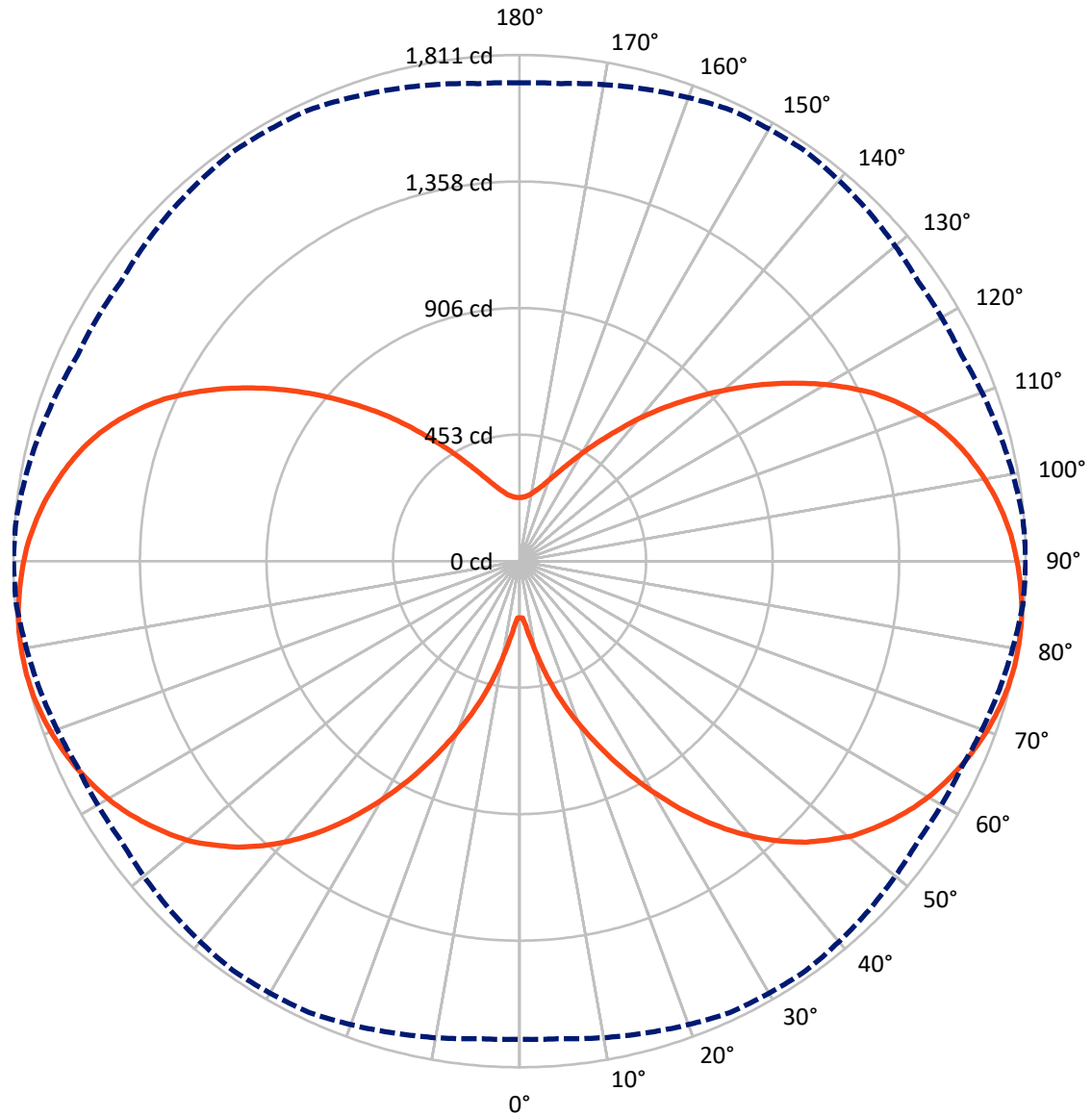
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.8 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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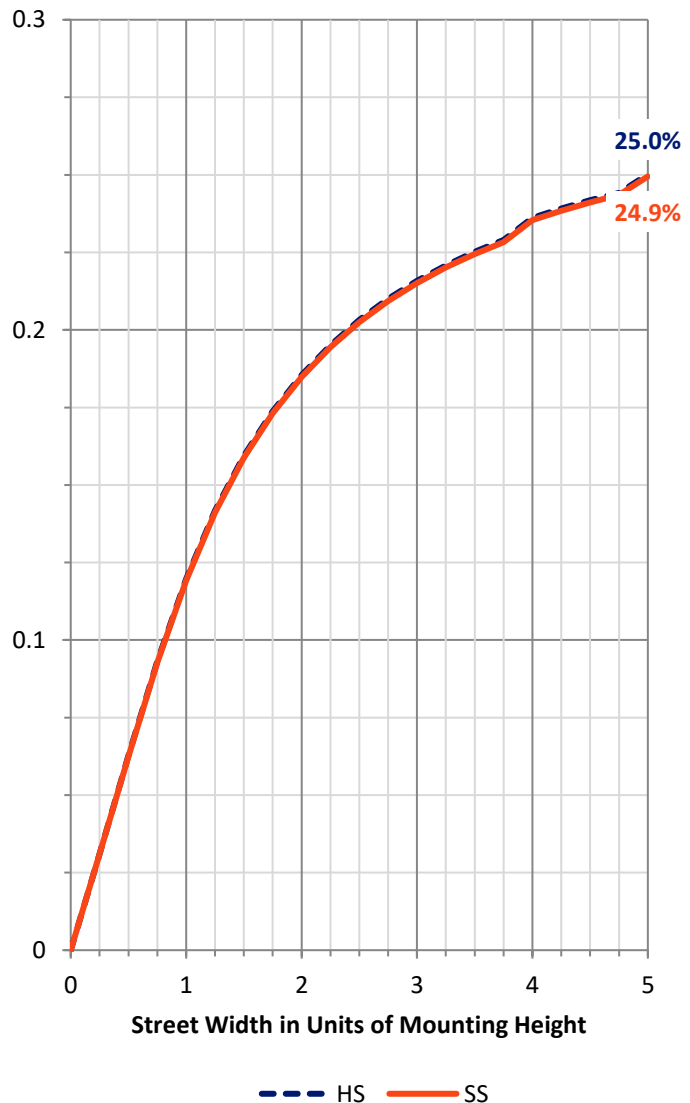
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4623.5	3501.9	8125.4
	% Fixture	28.5	21.5	50.0
Street Side	Lumens	4623.5	3501.9	8125.4
	% Fixture	28.5	21.5	50.0
Total	Lumens	9247.0	7003.7	16250.7
	% Fixture	56.9	43.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.8	0.2
10°-20°	141.8	0.9
20°-30°	372.8	2.3
30°-40°	712.8	4.4
40°-50°	1095.8	6.7
50°-60°	1435.5	8.8
60°-70°	1694.2	10.4
70°-80°	1858.6	11.4
80°-90°	1909.7	11.8
90°-100°	1839.8	11.3
100°-110°	1649.7	10.2
110°-120°	1340.5	8.2
120°-130°	957.8	5.9
130°-140°	605.7	3.7
140°-150°	339.3	2.1
150°-160°	170.8	1.1
160°-170°	77.6	0.5
170°-180°	22.5	0.1
0°-90°	9247.0	56.9
0°-180°	16250.7	100.0

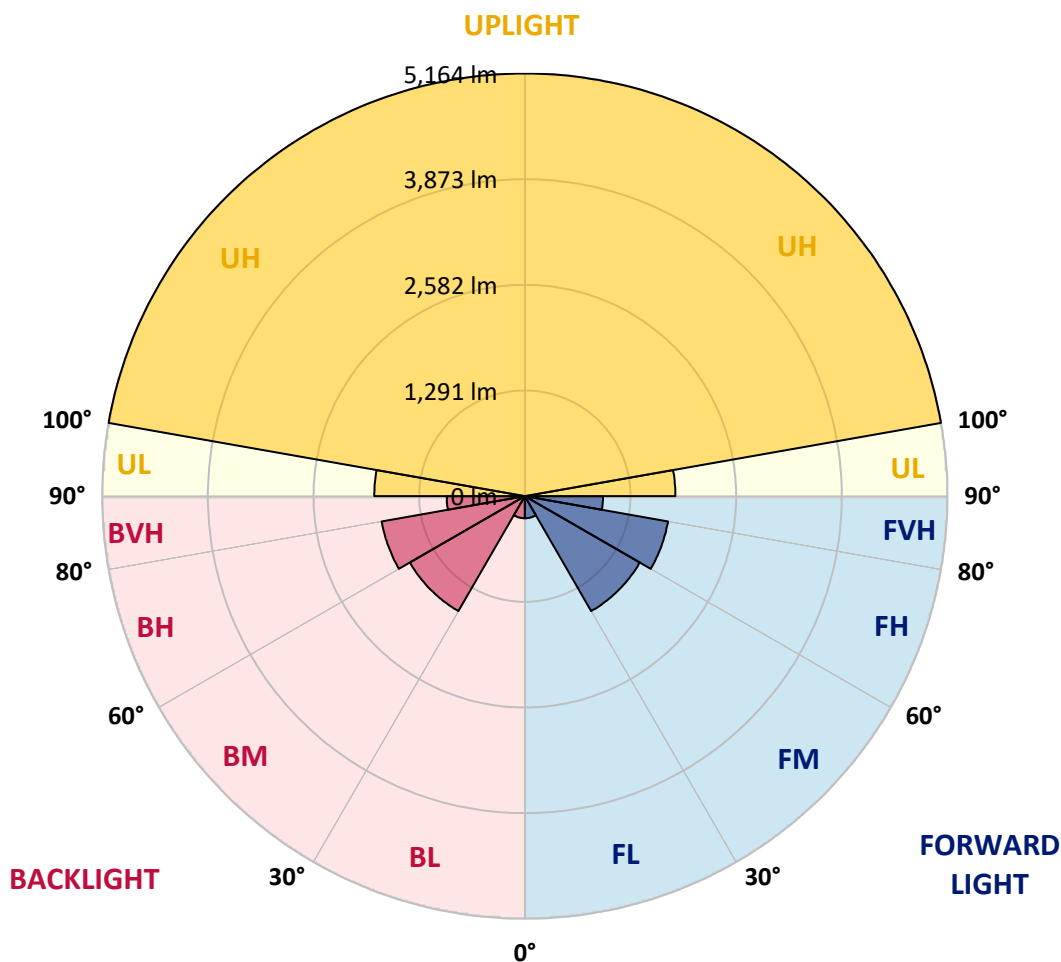


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	270.2	1.7			
FM (30°-60°)	1622.0	10.0			
FH (60°-80°)	1776.4	10.9			G1/1800
FVH (80°-90°)	954.8	5.9			G5
BL (0°-30°)	270.2	1.7	B1/500		
BM (30°-60°)	1622.0	10.0	B2/2500		
BH (60°-80°)	1776.4	10.9	B3/2500		G1/1800
BVH (80°-90°)	954.8	5.9			G5
UL (90°-100°)	1839.8	11.3		U5	
UH (100°-180°)	5163.9	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°	204.0	204.0	204.0	204.0	204.0	204.0	204.0	204.0	204.0	204.0	204.0
2.5°	214.0	214.0	213.0	211.0	210.0	209.0	207.0	204.0	203.0	203.0	203.0
5°	233.0	234.0	234.0	233.0	234.0	232.0	232.0	230.0	231.0	231.0	232.0
7.5°	280.0	280.0	281.0	281.0	282.0	280.0	281.0	280.0	281.0	281.0	280.0
10°	341.0	341.0	343.0	341.0	342.0	340.0	339.0	339.0	342.0	341.0	340.0
12.5°	410.0	412.0	411.0	410.0	412.0	410.0	408.0	409.0	413.0	411.0	410.0
15°	483.0	485.0	487.0	484.0	485.0	484.0	483.0	484.0	488.0	486.0	485.0
17.5°	557.0	558.0	560.0	556.0	557.0	558.0	557.0	558.0	561.0	560.0	559.0
20°	631.0	633.0	635.0	631.0	632.0	633.0	632.0	633.0	637.0	635.0	634.0
22.5°	709.0	710.0	714.0	709.0	711.0	712.0	710.0	712.0	716.0	714.0	713.0
25°	790.0	789.0	795.0	791.0	792.0	794.0	792.0	794.0	799.0	799.0	796.0
27.5°	873.0	873.0	878.0	875.0	877.0	876.0	878.0	880.0	885.0	886.0	883.0
30°	956.0	956.0	964.0	959.0	962.0	963.0	963.0	965.0	971.0	973.0	969.0
32.5°	1039.0	1039.0	1043.0	1044.0	1046.0	1047.0	1049.0	1049.0	1057.0	1058.0	1056.0
35°	1120.0	1120.0	1124.0	1126.0	1131.0	1129.0	1132.0	1132.0	1141.0	1142.0	1141.0
37.5°	1197.1	1198.1	1203.1	1205.1	1209.1	1209.1	1211.1	1213.1	1221.1	1224.1	1223.1
40°	1270.1	1272.1	1276.1	1280.1	1284.1	1284.1	1285.1	1288.1	1297.1	1300.1	1299.1
42.5°	1336.1	1337.1	1343.1	1349.1	1353.1	1353.1	1354.1	1356.1	1366.1	1370.1	1370.1
45°	1394.1	1397.1	1405.1	1413.1	1417.1	1416.1	1416.1	1419.1	1430.1	1435.1	1435.1
47.5°	1448.1	1452.1	1461.1	1469.1	1473.1	1473.1	1472.1	1475.1	1487.1	1493.1	1490.1
50°	1496.1	1499.1	1509.1	1521.1	1524.1	1524.1	1521.1	1524.1	1537.1	1545.1	1545.1
52.5°	1536.1	1539.1	1551.1	1564.1	1568.1	1567.1	1563.1	1566.1	1579.1	1588.1	1587.1
55°	1570.1	1574.1	1587.1	1603.1	1607.1	1604.1	1599.1	1602.1	1616.1	1628.1	1627.1
57.5°	1601.1	1604.1	1619.1	1636.1	1642.1	1637.1	1630.1	1633.1	1649.1	1662.1	1663.1
60°	1627.1	1630.1	1647.1	1667.1	1672.1	1666.1	1657.1	1660.1	1678.1	1693.1	1695.1
62.5°	1649.1	1652.1	1671.1	1693.1	1700.1	1691.1	1680.1	1683.1	1703.1	1720.1	1721.1
65°	1667.1	1670.1	1692.1	1715.1	1722.1	1712.1	1699.1	1702.1	1724.1	1743.1	1745.1
67.5°	1681.1	1685.1	1710.1	1735.1	1741.1	1729.1	1714.1	1717.1	1741.1	1763.1	1765.1
70°	1693.1	1698.1	1724.1	1751.1	1758.1	1744.1	1726.1	1730.1	1757.1	1779.1	1782.1
72.5°	1702.1	1707.1	1735.1	1764.1	1772.1	1755.1	1735.1	1739.1	1768.1	1792.1	1795.1
75°	1708.1	1713.1	1743.1	1774.1	1781.1	1763.1	1741.1	1745.1	1775.1	1801.1	1805.1
77.5°	1711.1	1716.1	1748.1	1780.1	1787.1	1766.1	1743.1	1747.1	1778.1	1806.1	1810.1
80°	1711.1	1715.1	1748.1	1782.1	1788.1	1767.1	1742.1	1745.1	1777.1	1807.1	1811.1
82.5°	1708.1	1712.1	1746.1	1780.1	1786.1	1763.1	1737.1	1741.1	1774.1	1804.1	1809.1
85°	1701.1	1705.1	1739.1	1774.1	1780.1	1755.1	1728.1	1732.1	1765.1	1797.1	1802.1
87.5°	1691.1	1696.1	1729.1	1764.1	1769.1	1743.1	1717.1	1719.1	1754.1	1787.1	1791.1
90°	1679.1	1684.1	1715.1	1750.1	1755.1	1729.1	1702.1	1705.1	1739.1	1773.1	1777.1
92.5°	1665.1	1669.1	1699.1	1731.1	1737.1	1710.1	1684.1	1688.1	1722.1	1756.1	1761.1
95°	1647.1	1650.1	1678.1	1708.1	1713.1	1689.1	1663.1	1667.1	1701.1	1734.1	1739.1
97.5°	1625.1	1627.1	1652.1	1679.1	1685.1	1662.1	1638.1	1642.1	1675.1	1708.1	1714.1
100°	1600.1	1601.1	1623.1	1646.1	1651.1	1632.1	1610.1	1615.1	1646.1	1680.1	1684.1
102.5°	1571.1	1571.1	1589.1	1608.1	1614.1	1598.1	1579.1	1584.1	1614.1	1646.1	1651.1
105°	1539.1	1536.1	1549.1	1564.1	1571.1	1559.1	1545.1	1549.1	1577.1	1608.1	1614.1
107.5°	1499.1	1496.1	1505.1	1518.1	1525.1	1516.1	1505.1	1511.1	1535.1	1564.1	1570.1
110°	1454.1	1450.1	1454.1	1464.1	1472.1	1466.1	1460.1	1465.1	1488.1	1515.1	1519.1



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

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1402.1	1397.1	1398.1	1405.1	1412.1	1411.1	1407.1	1415.1	1434.1	1456.1	1461.1
115°	1342.1	1337.1	1334.1	1338.1	1344.1	1348.1	1352.1	1357.1	1372.1	1390.1	1398.1
117.5°	1279.1	1271.1	1266.1	1266.1	1273.1	1280.1	1287.1	1294.1	1304.1	1321.1	1324.1
120°	1206.1	1201.1	1194.1	1194.1	1200.1	1207.1	1218.1	1226.1	1232.1	1244.1	1248.1
122.5°	1134.0	1127.0	1120.0	1120.0	1124.0	1134.0	1149.1	1156.1	1159.1	1166.1	1169.1
125°	1061.0	1053.0	1045.0	1045.0	1049.0	1059.0	1076.0	1082.0	1084.0	1087.0	1090.0
127.5°	987.0	979.0	972.0	969.0	975.0	983.0	1000.0	1008.0	1009.0	1009.0	1011.0
130°	913.0	907.0	900.0	897.0	903.0	910.0	929.0	937.0	933.0	933.0	934.0
132.5°	843.0	837.0	830.0	828.0	832.0	841.0	858.0	865.0	862.0	858.0	859.0
135°	775.0	770.0	761.0	760.0	766.0	770.0	786.0	793.0	790.0	786.0	787.0
137.5°	710.0	705.0	697.0	696.0	702.0	707.0	719.0	726.0	722.0	718.0	719.0
140°	648.0	642.0	636.0	635.0	639.0	644.0	655.0	659.0	655.0	652.0	653.0
142.5°	590.0	586.0	579.0	579.0	581.0	585.0	594.0	598.0	594.0	590.0	588.0
145°	535.0	530.0	526.0	525.0	527.0	531.0	537.0	541.0	537.0	534.0	532.0
147.5°	486.0	482.0	478.0	478.0	479.0	482.0	487.0	488.0	485.0	483.0	481.0
150°	441.0	437.0	435.0	434.0	435.0	436.0	440.0	442.0	439.0	437.0	435.0
152.5°	400.0	397.0	395.0	396.0	396.0	397.0	398.0	399.0	396.0	396.0	394.0
155°	364.0	362.0	360.0	361.0	361.0	361.0	362.0	362.0	360.0	360.0	359.0
157.5°	334.0	332.0	331.0	332.0	332.0	331.0	332.0	332.0	330.0	330.0	329.0
160°	308.0	306.0	306.0	306.0	306.0	305.0	307.0	306.0	305.0	304.0	304.0
162.5°	287.0	285.0	285.0	286.0	285.0	285.0	285.0	285.0	284.0	284.0	283.0
165°	270.0	268.0	268.0	269.0	268.0	268.0	268.0	268.0	267.0	267.0	267.0
167.5°	256.0	255.0	255.0	255.0	255.0	254.0	255.0	255.0	254.0	254.0	254.0
170°	245.0	244.0	244.0	244.0	244.0	244.0	244.0	244.0	244.0	243.0	243.0
172.5°	238.0	237.0	237.0	237.0	237.0	237.0	237.0	237.0	236.0	236.0	236.0
175°	233.0	232.0	232.0	232.0	232.0	232.0	232.0	232.0	232.0	231.0	231.0
177.5°	230.0	229.0	229.0	229.0	229.0	229.0	229.0	229.0	229.0	228.0	228.0
180°	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0

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.

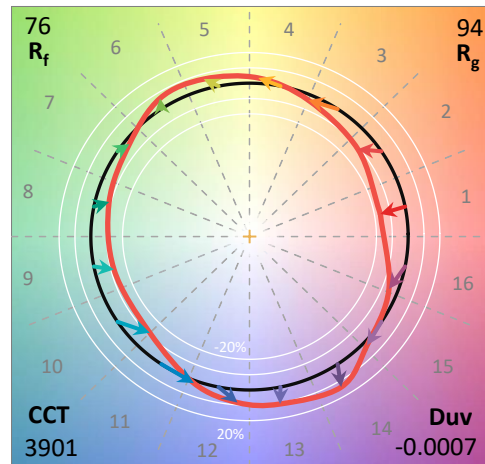
Test Information

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
 R_f: 76.2
 R_g: 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

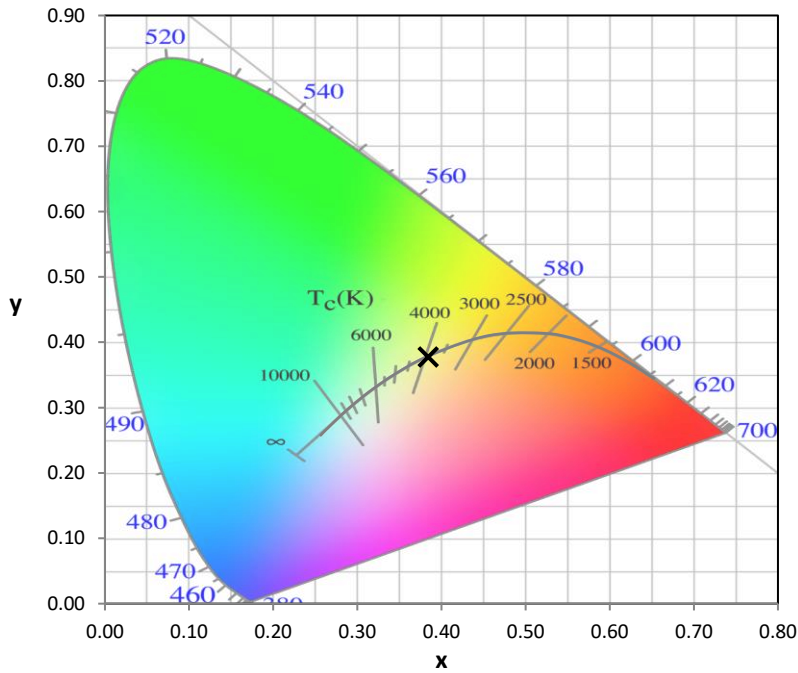
Stabilization Time: 0.818109M
 Operation Time: 1H
 Sphere Temperature (°C): 24.6

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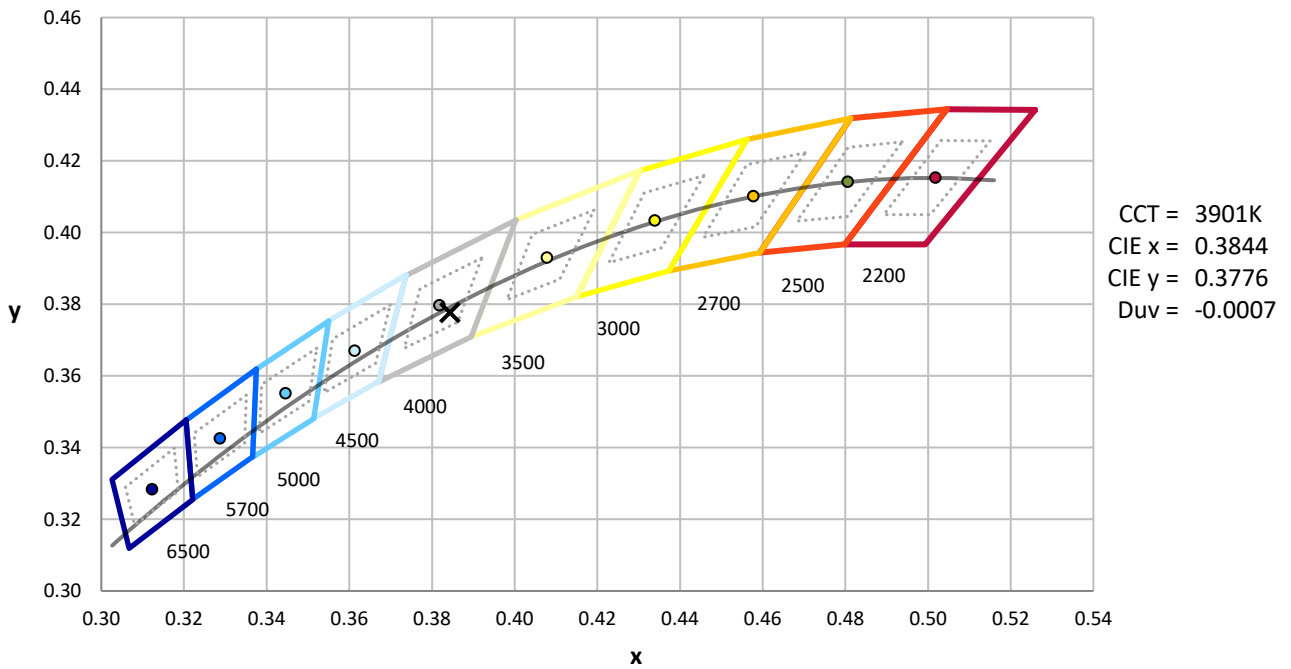
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

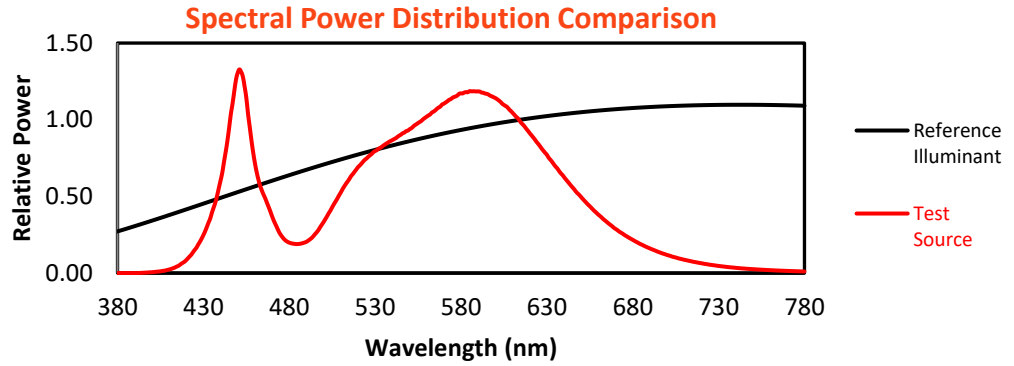
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	154	NR	620	687	NR	750	19	NR	880	1	NR
365	0	NR	495	191	NR	625	634	NR	755	17	NR	885	2	NR
370	0	NR	500	251	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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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 ($R_{f,i}$)

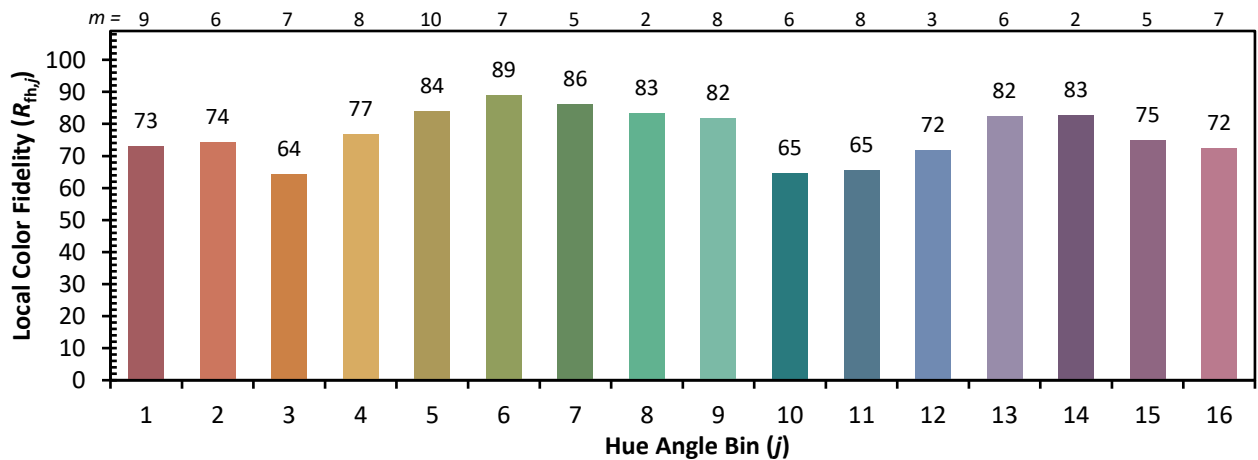
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CES02 = 61	CES27 = 90	CES52 = 88	CES77 = 72
CES03 = 30	CES28 = 83	CES53 = 80	CES78 = 59
CES04 = 70	CES29 = 72	CES54 = 86	CES79 = 84
CES05 = 48	CES30 = 89	CES55 = 84	CES80 = 81
CES06 = 51	CES31 = 75	CES56 = 77	CES81 = 79
CES07 = 40	CES32 = 66	CES57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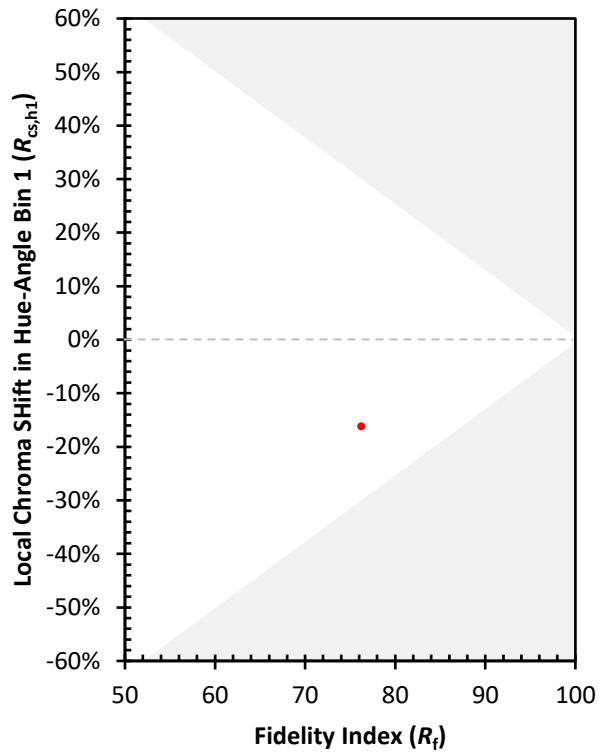
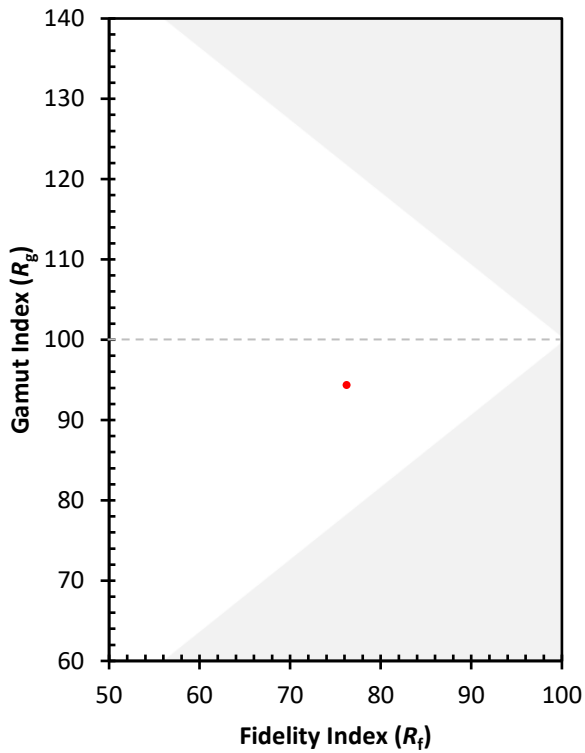
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)