

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: P856399

Luminaire Tested: **FFX-CLB-90-740-U-VM9**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856399
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-90-740-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

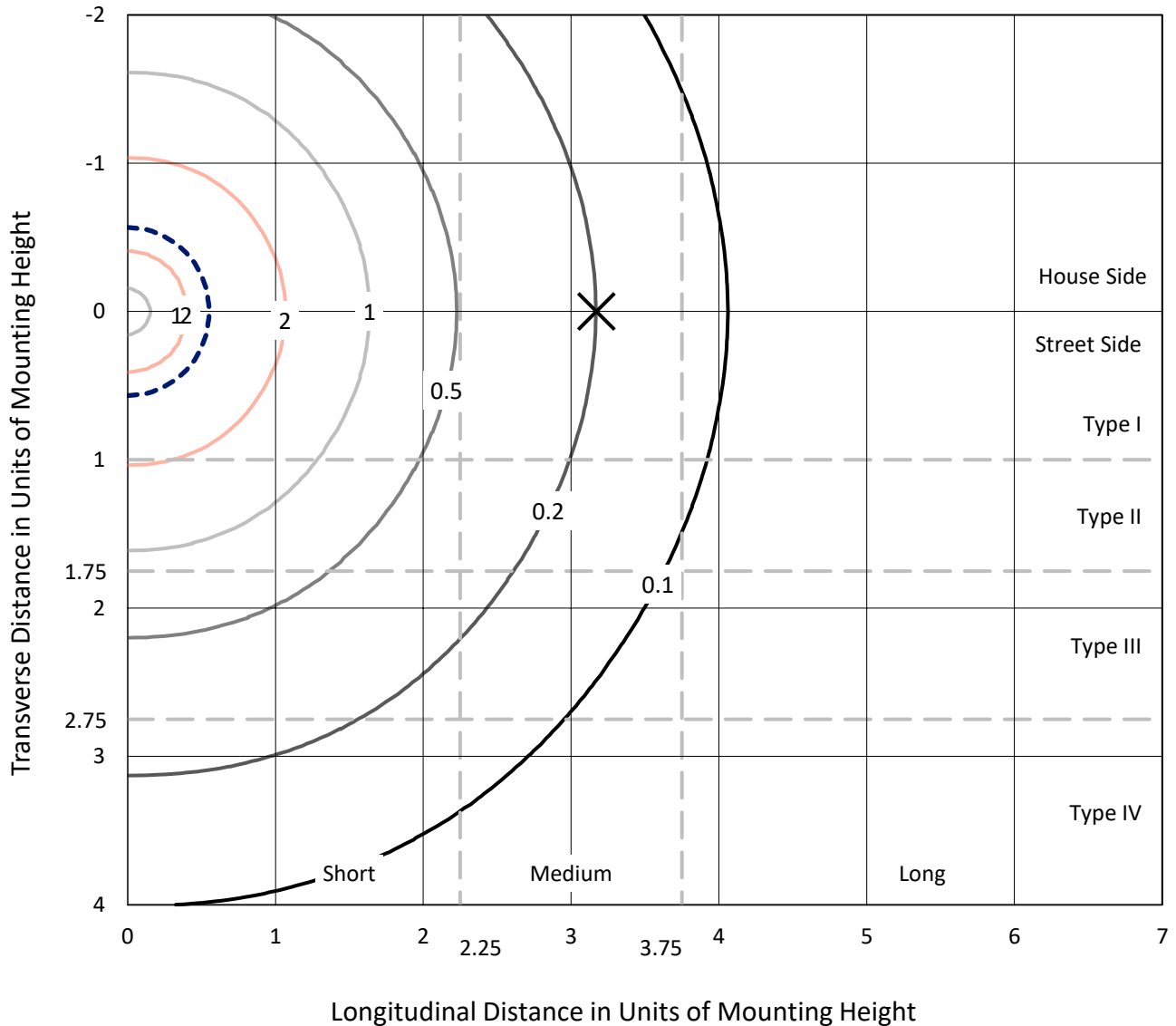
Lumens per Lamp: N/A
Luminaire Lumens: 14558.3 lumens
Efficiency: N/A
Efficacy: 161.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification: Type V - Short
BUG Rating: B3 - U5 - G5

Input Watts (W): 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

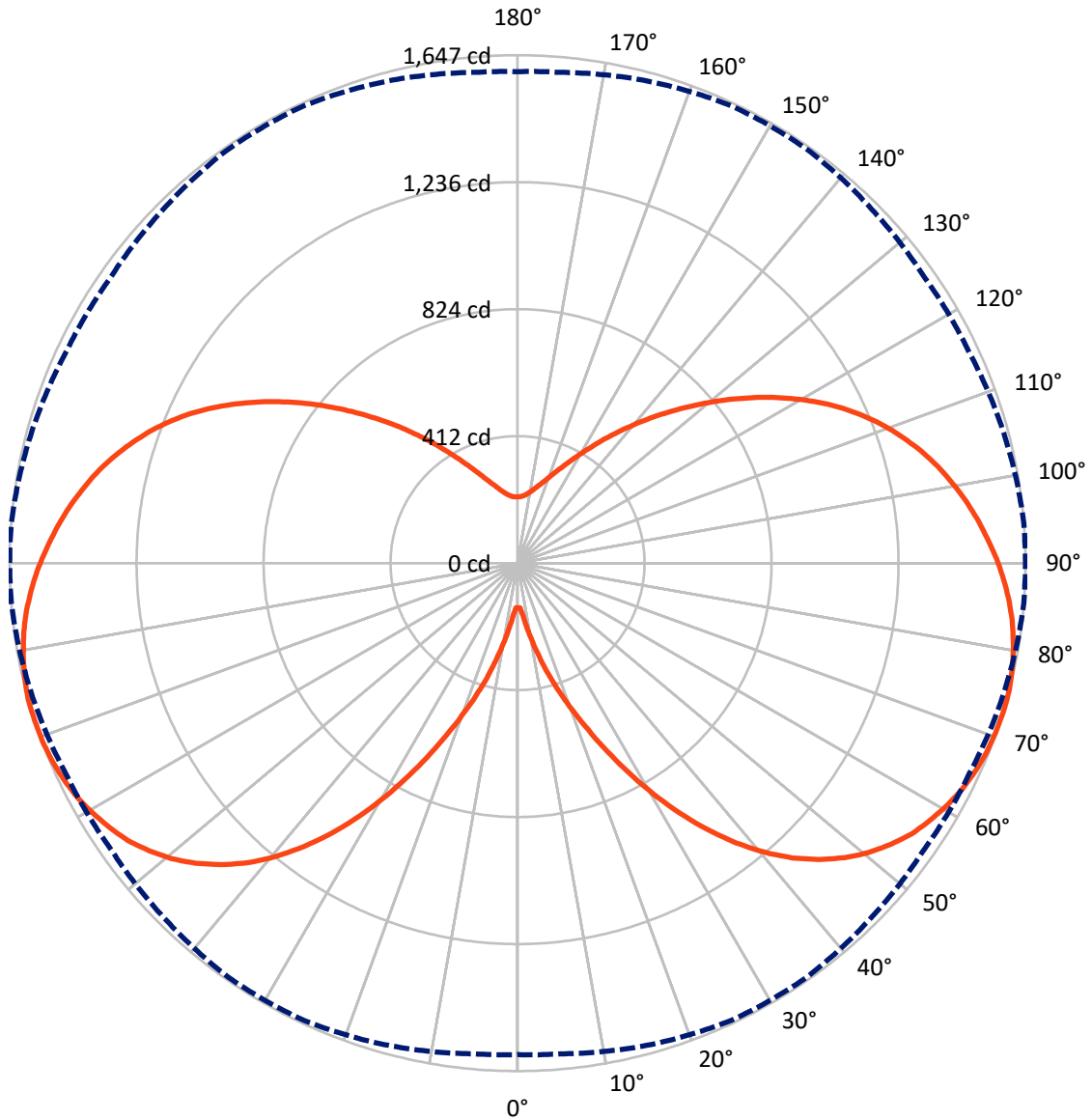
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.6 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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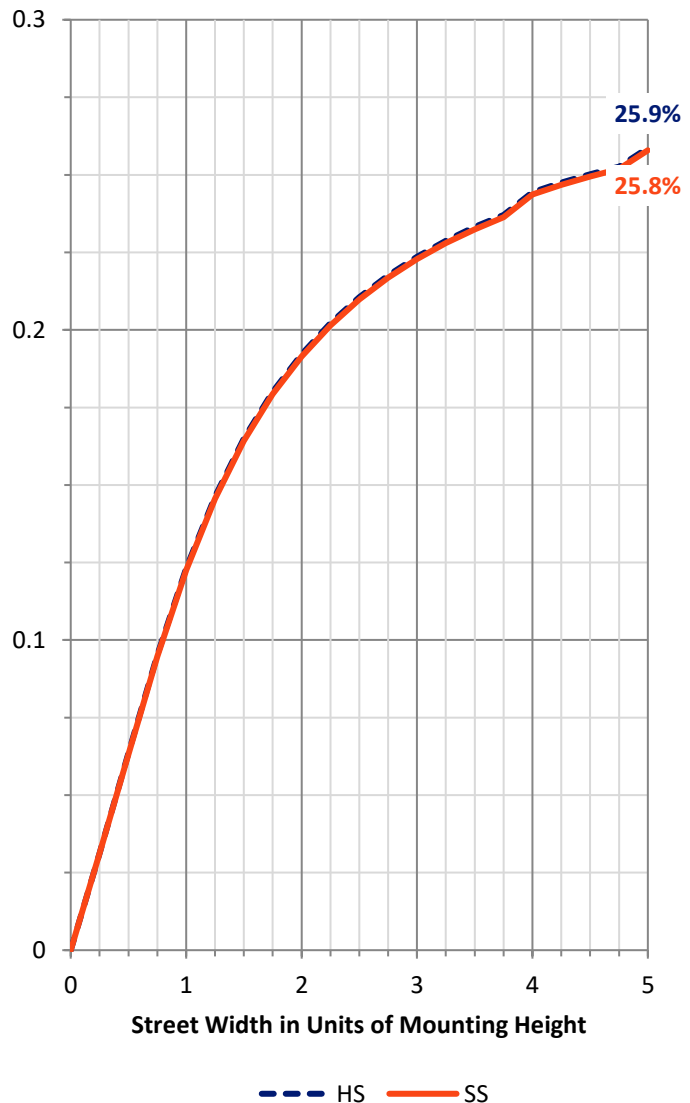
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4264.0	3015.2	7279.1
	% Fixture	29.3	20.7	50.0
Street Side	Lumens	4264.0	3015.2	7279.1
	% Fixture	29.3	20.7	50.0
Total	Lumens	8527.9	6030.3	14558.3
	% Fixture	58.6	41.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.7	0.1
10°-20°	109.2	0.8
20°-30°	315.6	2.2
30°-40°	656.4	4.5
40°-50°	1041.7	7.2
50°-60°	1367.4	9.4
60°-70°	1594.5	11.0
70°-80°	1712.6	11.8
80°-90°	1711.8	11.8
90°-100°	1602.4	11.0
100°-110°	1406.0	9.7
110°-120°	1130.7	7.8
120°-130°	812.1	5.6
130°-140°	522.0	3.6
140°-150°	302.8	2.1
150°-160°	159.0	1.1
160°-170°	74.0	0.5
170°-180°	21.3	0.1
0°-90°	8527.9	58.6
0°-180°	14558.3	100.0

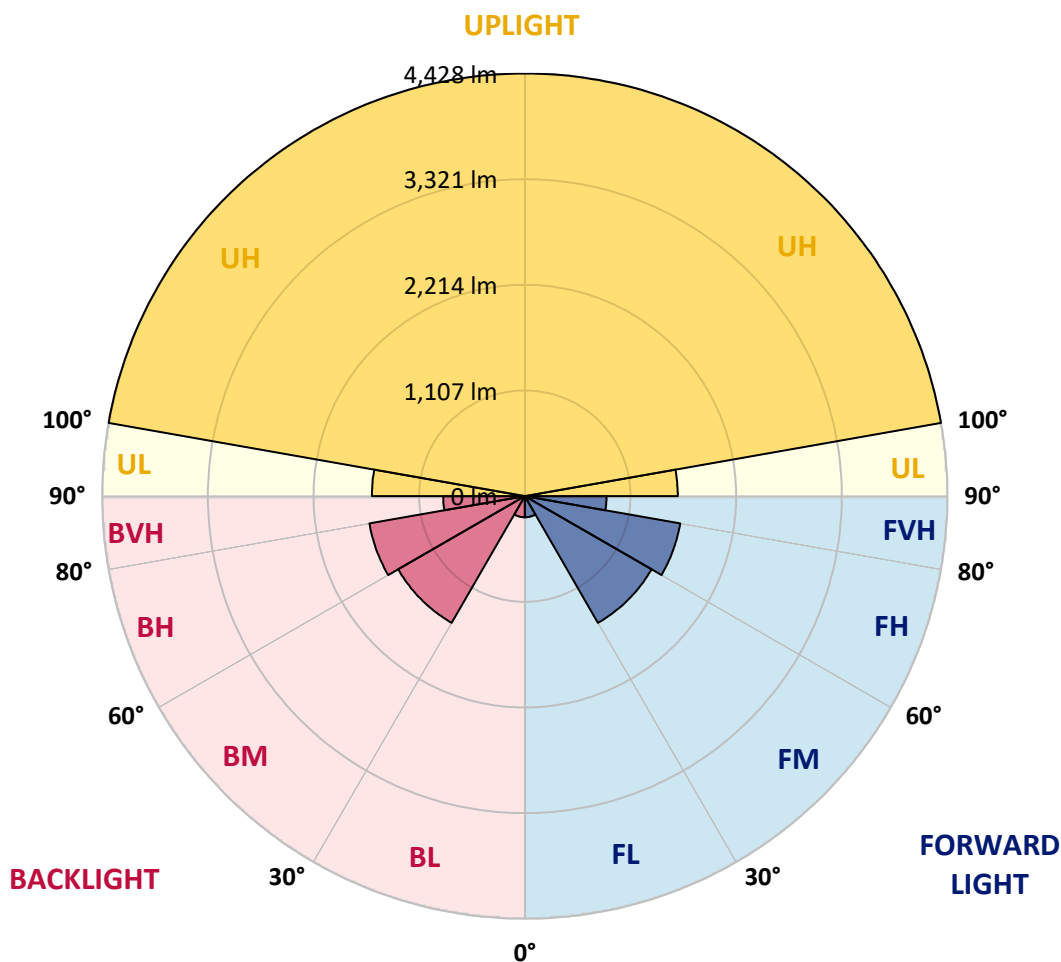


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	221.7	1.5			
FM (30°-60°)	1532.8	10.5			
FH (60°-80°)	1653.6	11.4			G1/1800
FVH (80°-90°)	855.9	5.9			G5
BL (0°-30°)	221.7	1.5	B1/500		
BM (30°-60°)	1532.8	10.5	B2/2500		
BH (60°-80°)	1653.6	11.4	B3/2500		G1/1800
BVH (80°-90°)	855.9	5.9			G5
UL (90°-100°)	1602.4	11.0		U5	
UH (100°-180°)	4428.0	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°	144.3	144.3	144.3	144.3	144.3	144.3	144.3	144.3	144.3	144.3	144.3
2.5°	149.9	149.9	149.0	149.0	148.1	147.1	147.1	146.2	145.2	145.2	145.2
5°	166.8	165.9	165.9	165.9	165.9	164.9	165.9	164.9	164.9	164.9	165.9
7.5°	203.3	202.4	202.4	202.4	203.3	203.3	204.3	205.2	206.2	206.2	206.2
10°	251.1	250.2	250.2	249.3	251.1	251.1	252.1	250.2	253.0	253.0	254.0
12.5°	307.4	306.4	306.4	305.5	307.4	306.4	308.3	306.4	311.1	309.2	309.2
15°	368.3	368.3	367.3	366.4	369.2	369.2	371.1	371.1	373.9	372.0	373.0
17.5°	432.9	432.0	432.0	431.1	433.9	433.9	433.9	435.7	439.5	435.7	438.6
20°	502.3	501.3	501.3	500.4	503.2	503.2	505.1	506.0	509.8	507.0	508.8
22.5°	577.2	576.3	576.3	576.3	580.1	581.0	581.0	583.8	588.5	583.8	587.6
25°	660.7	659.7	659.7	662.5	665.3	666.3	668.1	671.9	676.6	671.9	676.6
27.5°	749.7	748.7	750.6	754.4	757.2	759.0	761.9	762.8	769.4	764.7	771.2
30°	841.5	840.6	842.4	847.1	850.9	856.5	856.5	859.3	868.7	862.1	868.7
32.5°	932.4	931.5	934.3	939.9	945.5	951.1	952.1	955.8	965.2	960.5	967.1
35°	1022.4	1021.4	1025.2	1032.7	1038.3	1043.9	1045.8	1049.5	1059.9	1055.2	1061.7
37.5°	1107.6	1107.6	1111.4	1119.8	1126.4	1133.9	1132.9	1137.6	1147.0	1144.2	1150.8
40°	1187.3	1187.3	1192.0	1202.3	1209.8	1214.5	1213.5	1218.2	1228.5	1227.6	1233.2
42.5°	1259.5	1259.5	1266.0	1276.3	1283.8	1286.6	1286.6	1291.3	1302.6	1301.6	1307.2
45°	1320.4	1323.2	1330.7	1341.9	1348.5	1351.3	1349.4	1354.1	1366.3	1366.3	1371.0
47.5°	1376.6	1380.3	1387.8	1399.1	1403.8	1406.6	1404.7	1408.5	1420.6	1422.5	1427.2
50°	1425.3	1428.1	1437.5	1449.7	1454.4	1454.4	1451.6	1455.3	1468.4	1472.2	1475.9
52.5°	1467.5	1470.3	1480.6	1493.7	1496.5	1495.6	1491.9	1495.6	1508.7	1512.5	1515.3
55°	1501.2	1504.0	1516.2	1529.3	1532.1	1529.3	1523.7	1528.4	1540.6	1546.2	1550.9
57.5°	1528.4	1531.2	1545.3	1558.4	1561.2	1555.6	1549.0	1553.7	1567.8	1574.3	1576.2
60°	1550.9	1553.7	1568.7	1582.8	1584.6	1578.1	1570.6	1575.3	1589.3	1596.8	1598.7
62.5°	1568.7	1571.5	1587.4	1603.4	1604.3	1595.9	1587.4	1592.1	1606.2	1614.6	1617.4
65°	1580.9	1583.7	1601.5	1617.4	1619.3	1609.0	1600.6	1605.2	1618.4	1628.7	1630.5
67.5°	1589.3	1592.1	1611.8	1628.7	1629.6	1618.4	1609.0	1612.7	1627.7	1638.0	1639.9
70°	1593.1	1595.9	1616.5	1634.3	1635.2	1623.0	1611.8	1616.5	1631.5	1643.7	1645.5
72.5°	1594.0	1597.7	1619.3	1637.1	1638.0	1624.0	1612.7	1616.5	1632.4	1646.5	1647.4
75°	1590.2	1594.9	1617.4	1636.2	1636.2	1620.2	1608.1	1611.8	1629.6	1644.6	1647.4
77.5°	1585.6	1588.4	1611.8	1630.5	1629.6	1612.7	1598.7	1604.3	1622.1	1639.0	1640.9
80°	1575.3	1579.0	1602.4	1620.2	1618.4	1599.6	1586.5	1592.1	1610.9	1628.7	1630.5
82.5°	1562.1	1565.9	1589.3	1605.2	1603.4	1583.7	1570.6	1577.1	1596.8	1615.5	1617.4
85°	1546.2	1550.0	1572.4	1587.4	1584.6	1564.9	1551.8	1557.4	1579.0	1597.7	1599.6
87.5°	1525.6	1529.3	1551.8	1564.9	1562.1	1541.5	1530.3	1537.8	1557.4	1577.1	1578.1
90°	1502.2	1506.8	1526.5	1538.7	1535.0	1516.2	1505.9	1513.4	1533.1	1551.8	1553.7
92.5°	1478.7	1480.6	1499.3	1509.7	1506.8	1490.0	1480.6	1489.0	1506.8	1525.6	1525.6
95°	1450.6	1453.4	1470.3	1478.7	1475.9	1461.9	1453.4	1462.8	1478.7	1496.5	1497.5
97.5°	1420.6	1423.4	1437.5	1445.9	1443.1	1430.9	1425.3	1434.7	1448.7	1465.6	1466.6
100°	1388.8	1390.6	1402.8	1410.3	1407.5	1398.1	1394.4	1403.8	1416.9	1432.8	1432.8
102.5°	1353.2	1355.0	1364.4	1369.1	1368.2	1360.7	1360.7	1371.0	1381.3	1396.3	1398.1
105°	1315.7	1317.6	1324.1	1326.9	1326.0	1323.2	1325.0	1335.4	1343.8	1356.9	1358.8
107.5°	1273.5	1275.4	1279.1	1280.1	1280.1	1280.1	1286.6	1296.0	1305.4	1314.7	1315.7
110°	1228.5	1229.5	1232.3	1231.3	1231.3	1233.2	1242.6	1252.9	1260.4	1269.8	1270.7



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CATALOG NUMBER: FFX-CLB-90-740-U-VM9

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1179.8	1180.7	1182.6	1178.9	1179.8	1183.5	1195.7	1207.0	1211.7	1221.0	1221.0
115°	1128.3	1127.3	1129.2	1124.5	1123.6	1130.1	1143.3	1156.4	1160.1	1166.7	1167.6
117.5°	1072.0	1073.0	1072.0	1066.4	1065.5	1074.8	1087.0	1099.2	1103.9	1111.4	1109.5
120°	1013.9	1013.0	1013.9	1007.4	1006.4	1016.7	1028.9	1041.1	1043.9	1050.5	1048.6
122.5°	954.9	954.0	953.0	946.5	946.5	954.9	969.9	982.1	980.2	987.7	986.8
125°	894.0	894.0	892.1	885.6	885.6	895.9	908.0	919.3	917.4	925.8	923.0
127.5°	834.0	834.0	832.1	826.5	826.5	835.9	847.1	858.4	855.6	863.1	860.3
130°	775.0	775.0	773.1	767.5	767.5	775.0	787.2	796.5	792.8	799.3	798.4
132.5°	718.8	717.8	716.9	711.3	712.2	719.7	729.1	737.5	733.7	741.2	738.4
135°	664.4	663.5	662.5	656.9	657.8	665.3	673.8	680.3	677.5	682.2	681.3
137.5°	612.9	611.9	611.0	606.3	607.2	612.9	621.3	626.9	623.2	629.7	626.9
140°	564.1	563.2	561.3	558.5	559.4	565.1	569.8	576.3	572.6	578.2	575.4
142.5°	517.3	517.3	515.4	512.6	513.5	519.1	522.9	527.6	523.8	528.5	526.6
145°	474.2	474.2	472.3	470.4	470.4	475.1	477.9	482.6	478.9	483.5	481.7
147.5°	434.8	434.8	432.9	431.1	431.1	435.7	437.6	441.4	437.6	441.4	439.5
150°	398.3	398.3	397.3	395.5	396.4	398.3	400.1	403.0	400.1	403.0	402.0
152.5°	366.4	366.4	365.5	364.5	363.6	366.4	367.3	370.2	367.3	370.2	368.3
155°	338.3	337.4	337.4	335.5	335.5	337.4	338.3	340.2	337.4	340.2	339.2
157.5°	313.0	313.0	312.1	311.1	311.1	312.1	313.0	313.9	312.1	314.9	313.0
160°	291.4	291.4	290.5	289.6	289.6	290.5	290.5	291.4	289.6	291.4	290.5
162.5°	272.7	272.7	271.8	271.8	270.8	271.8	272.7	272.7	271.8	272.7	271.8
165°	257.7	257.7	256.8	255.8	255.8	256.8	256.8	257.7	255.8	256.8	256.8
167.5°	243.6	243.6	243.6	242.7	241.8	242.7	242.7	242.7	241.8	242.7	242.7
170°	233.3	233.3	233.3	232.4	231.5	232.4	232.4	232.4	231.5	232.4	232.4
172.5°	224.9	224.9	224.9	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0
175°	219.3	219.3	219.3	219.3	218.3	219.3	219.3	219.3	219.3	219.3	218.3
177.5°	216.5	215.5	215.5	215.5	215.5	215.5	215.5	215.5	215.5	215.5	215.5
180°	214.6	214.6	214.6	214.6	214.6	214.6	214.6	214.6	214.6	214.6	214.6

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.

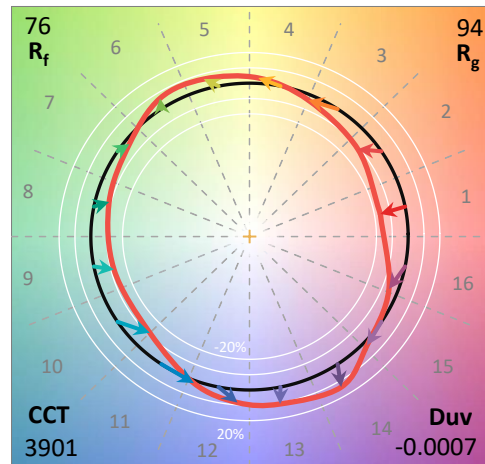
Test Information

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

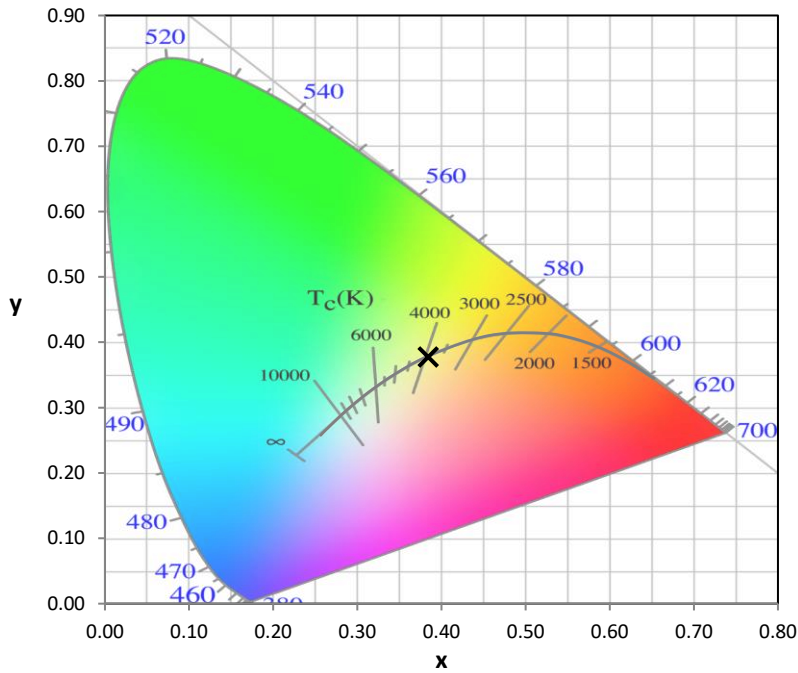
Stabilization Time: 0.818109M
 Operation Time: 1H
 Sphere Temperature (°C): 24.6

REPORT NUMBER: SP1-2406-133-1

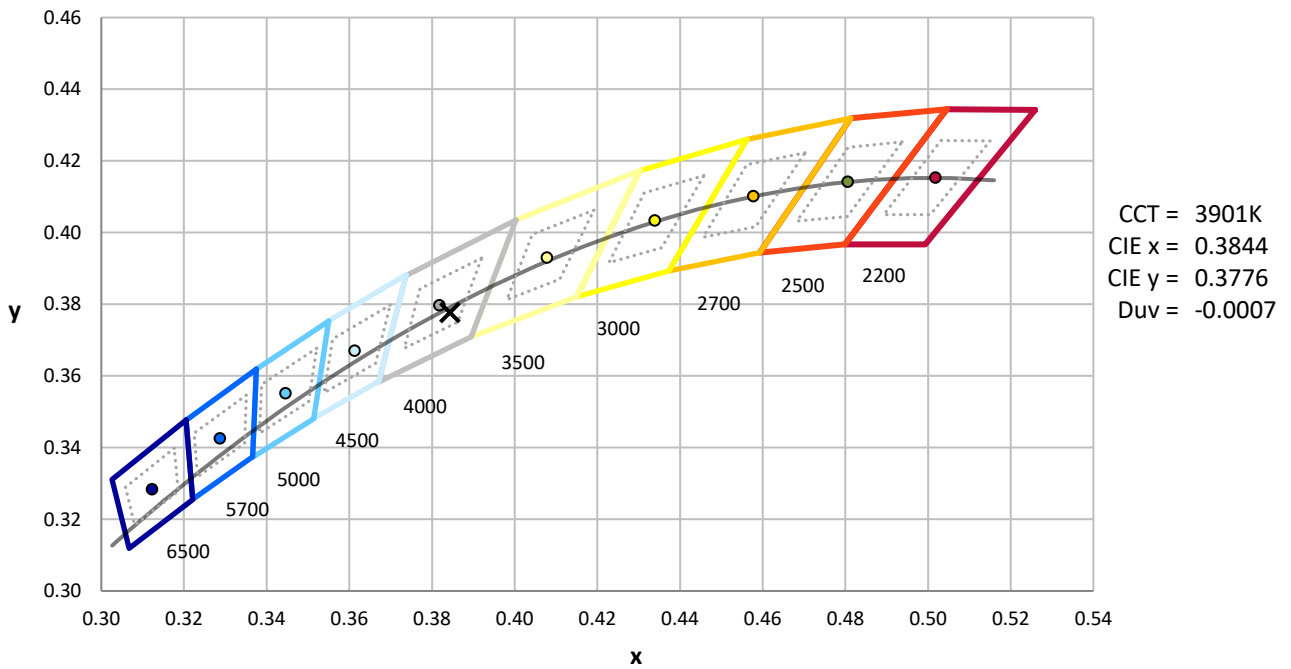
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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 ($R_{f,i}$)

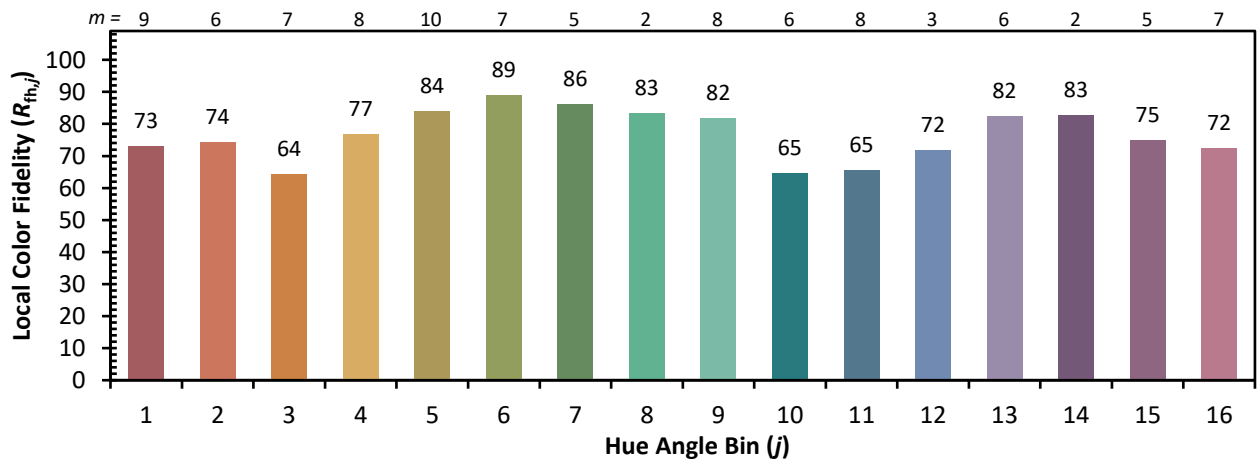
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CES02 = 61	CES27 = 90	CES52 = 88	CES77 = 72
CES03 = 30	CES28 = 83	CES53 = 80	CES78 = 59
CES04 = 70	CES29 = 72	CES54 = 86	CES79 = 84
CES05 = 48	CES30 = 89	CES55 = 84	CES80 = 81
CES06 = 51	CES31 = 75	CES56 = 77	CES81 = 79
CES07 = 40	CES32 = 66	CES57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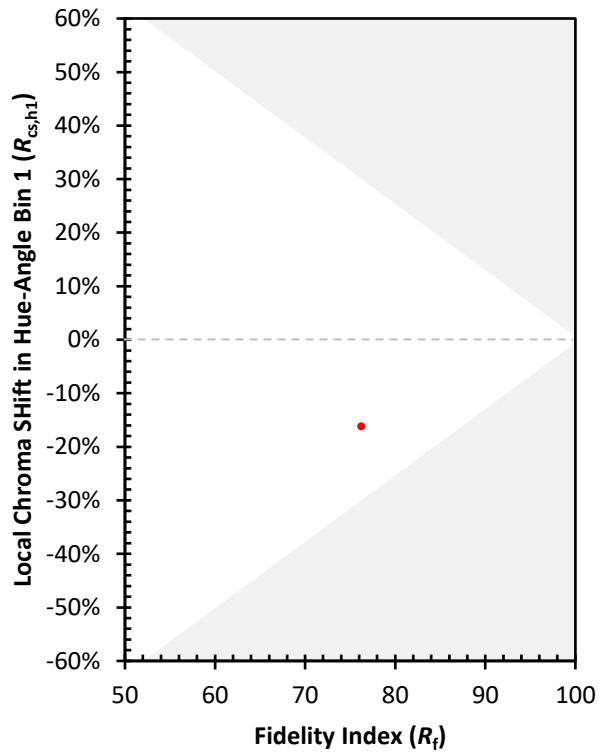
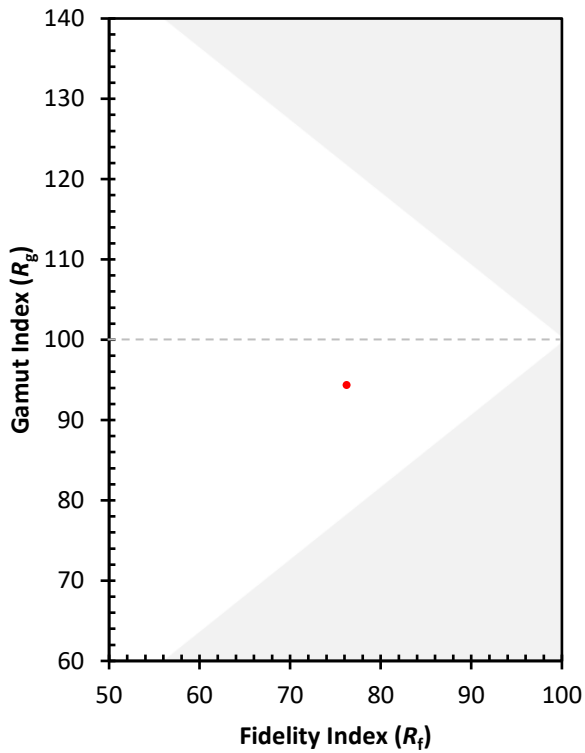
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)