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: P1223935

Luminaire Tested: **FFX-CLB-70-727-U-VM9-T4-HSS**

Issue Date: 01/27/2026

Report Generated By 670245763

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1223935
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-70-727-U-VM9-T4-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK TYPE 4 DISTRIBUTION AND HOUSE SIDE SHIELD
Light Source:	(6) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9257.8 lumens
Efficiency:	N/A
Efficacy:	130.0 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U5 - G5

Input Watts (W):	71.2
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.93%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

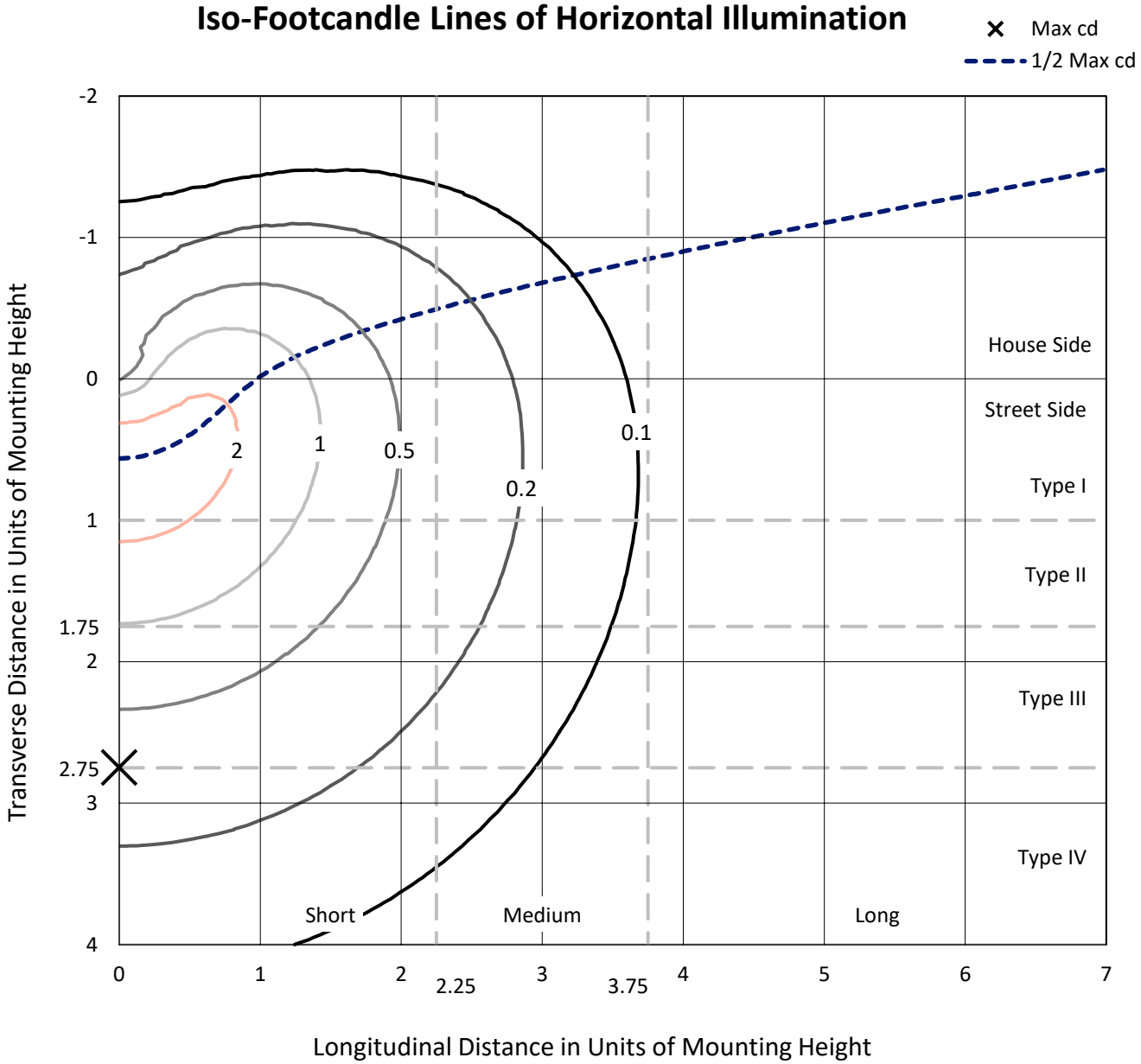


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Iso-Footcandle Lines of Horizontal Illumination



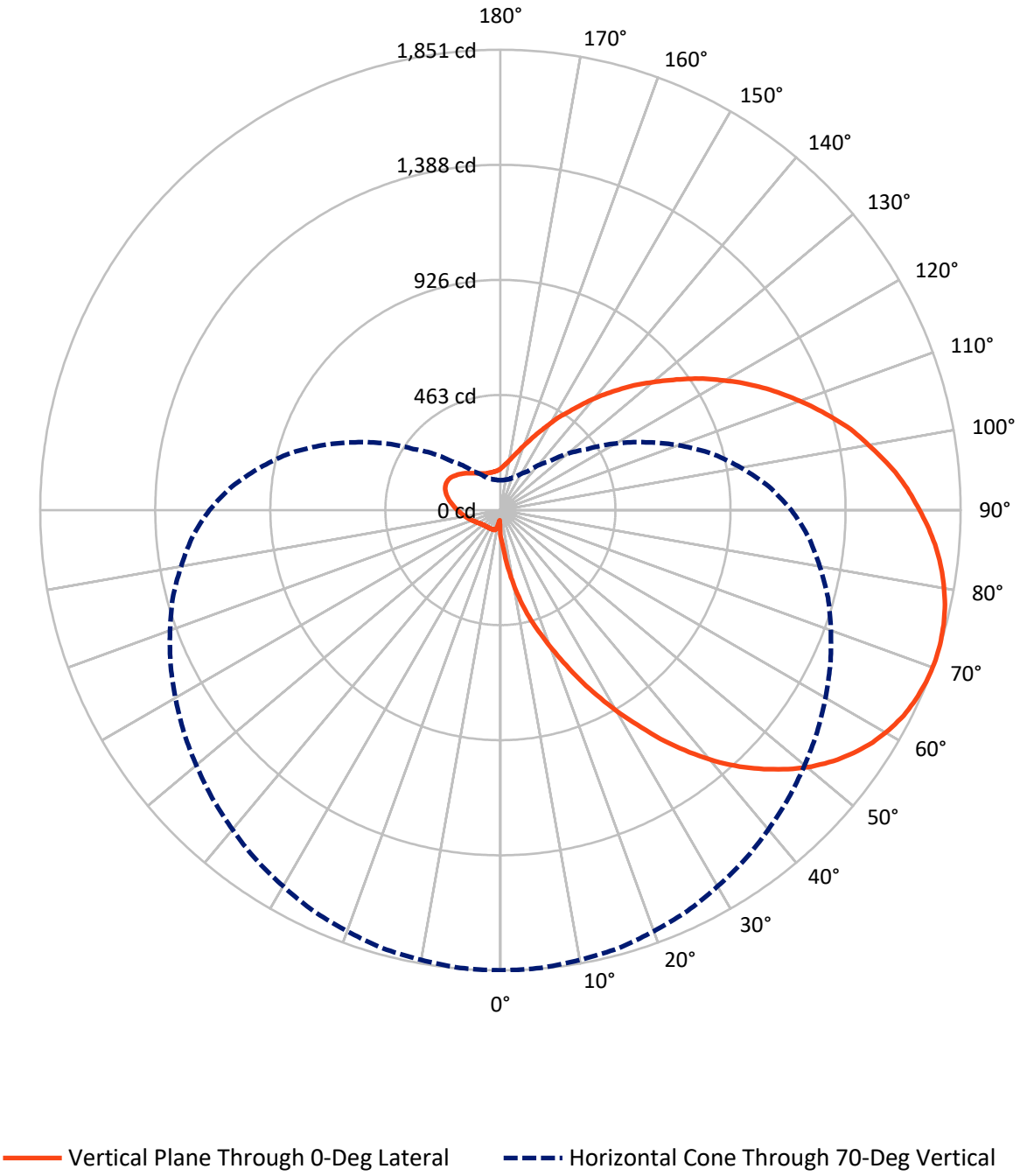
Based on 15 foot mounting height. Maximum calculated value = 2.8 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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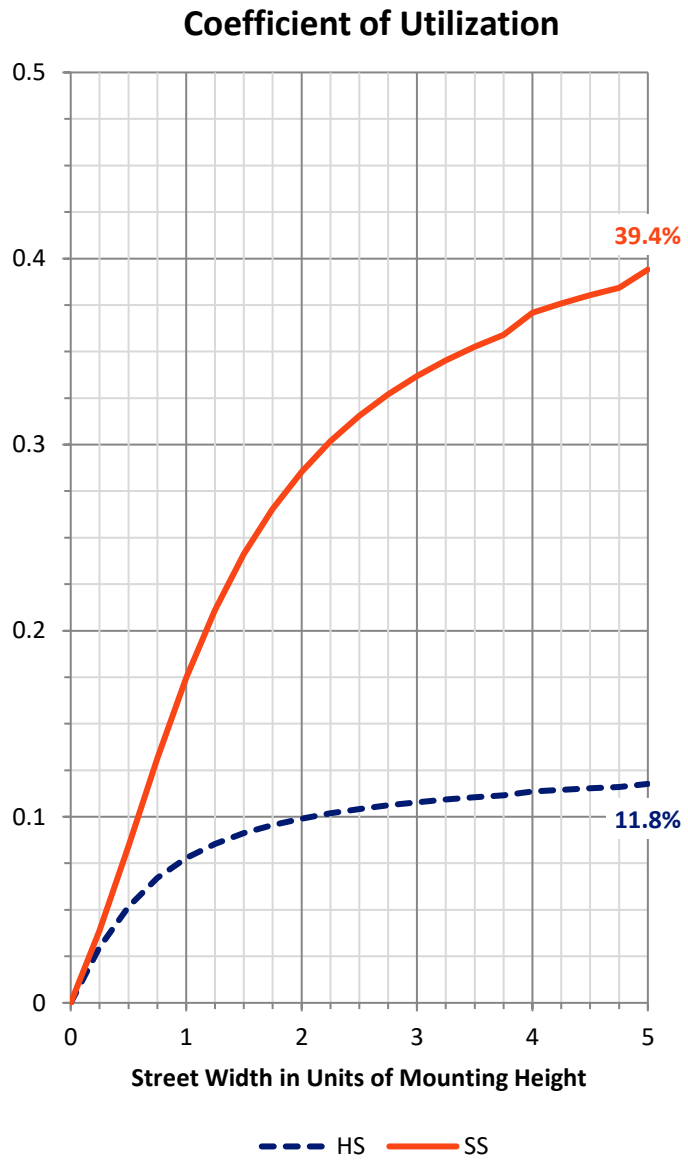
REPORT NUMBER: P1223935
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1187.1	1145.3	2332.4
	% Fixture	12.8	12.4	25.2
Street Side	Lumens	4169.8	2755.5	6925.4
	% Fixture	45.0	29.8	74.8
Total	Lumens	5356.9	3900.9	9257.8
	% Fixture	57.9	42.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.9	0.2
10°-20°	80.9	0.9
20°-30°	212.9	2.3
30°-40°	413.6	4.5
40°-50°	644.5	7.0
50°-60°	850.3	9.2
60°-70°	998.4	10.8
70°-80°	1074.2	11.6
80°-90°	1068.1	11.5
90°-100°	993.0	10.7
100°-110°	871.9	9.4
110°-120°	717.1	7.7
120°-130°	539.8	5.8
130°-140°	365.8	4.0
140°-150°	221.5	2.4
150°-160°	119.3	1.3
160°-170°	56.1	0.6
170°-180°	16.3	0.2
0°-90°	5356.9	57.9
0°-180°	9257.8	100.0



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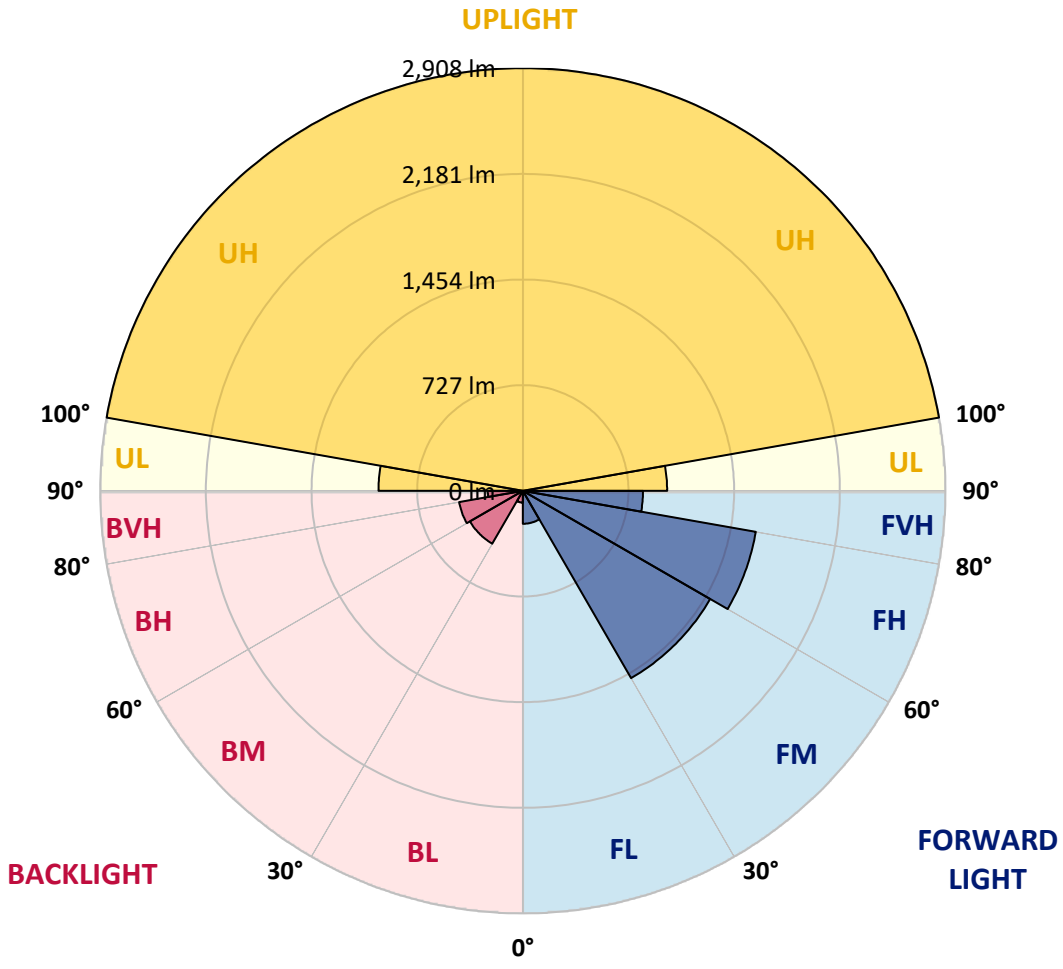
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	226.8	2.4			
FM	(30°-60°)	1488.4	16.1			
FH	(60°-80°)	1627.8	17.6			G1/1800
FVH	(80°-90°)	826.9	8.9			G5
BL	(0°-30°)	81.0	0.9	B0/110		
BM	(30°-60°)	420.1	4.5	B1/1000		
BH	(60°-80°)	444.8	4.8	B1/500		G1/500
BVH	(80°-90°)	241.1	2.6			G3/500
UL	(90°-100°)	993.0	10.7		U4/1000	
UH	(100°-180°)	2907.9	31.4		U5	

BUG Rating: B1-U5-G5
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	*105.9*	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9
2.5°	*129.0*	129.7	129.0	129.0	130.3	129.0	127.6	122.9	117.4	110.6	107.3
5°	*180.6*	180.6	184.0	184.0	180.6	173.1	164.3	152.1	141.2	129.7	121.5
7.5°	*246.4*	247.8	245.1	238.3	234.2	219.3	210.4	194.8	181.2	165.6	158.2
10°	*315.0*	315.7	312.3	306.2	293.3	278.3	265.4	247.1	229.4	209.1	198.2
12.5°	*388.3*	386.9	380.8	367.2	359.8	342.8	325.8	306.8	283.1	258.0	245.1
15°	*458.2*	455.5	452.8	438.5	428.3	411.4	391.7	365.9	338.1	310.2	291.2
17.5°	*525.4*	519.3	515.2	508.4	492.8	477.9	452.8	422.2	392.4	355.7	336.0
20°	*597.4*	598.7	591.9	582.4	565.5	543.7	519.3	486.7	449.4	405.9	382.2
22.5°	*678.2*	678.2	674.1	661.9	644.2	616.4	587.9	553.9	507.8	462.3	433.1
25°	*767.8*	763.0	757.6	742.0	727.0	697.2	663.2	626.6	578.4	523.4	490.8
27.5°	*856.7*	854.7	849.2	832.2	813.2	782.0	748.1	700.6	648.3	583.8	549.9
30°	*951.0*	949.0	943.6	927.3	899.5	868.9	828.2	777.3	720.2	647.6	610.3
32.5°	*1042.0*	1042.0	1035.2	1018.3	989.1	952.4	909.0	851.9	788.8	714.1	669.3
35°	*1143.2*	1142.5	1130.3	1109.9	1074.6	1042.7	993.8	934.1	862.8	777.3	729.7
37.5°	*1236.2*	1232.8	1220.5	1198.8	1166.2	1124.8	1069.8	1004.0	930.7	839.7	786.1
40°	*1327.8*	1323.7	1312.9	1288.4	1249.1	1202.2	1145.9	1075.3	992.5	898.1	842.4
42.5°	*1410.6*	1409.3	1393.6	1364.5	1325.1	1272.1	1211.7	1137.0	1054.2	952.4	893.3
45°	*1486.0*	1486.0	1470.4	1438.4	1393.6	1340.0	1273.5	1196.8	1108.5	1002.0	939.5
47.5°	*1557.2*	1557.2	1542.3	1505.7	1456.1	1397.0	1329.2	1249.7	1156.1	1046.8	980.2
50°	*1621.7*	1619.0	1602.0	1561.3	1511.1	1449.3	1378.0	1294.5	1200.2	1086.8	1019.6
52.5°	*1677.4*	1674.0	1654.3	1616.3	1560.0	1494.1	1419.4	1334.6	1236.2	1121.4	1052.9
55°	*1724.2*	1722.2	1703.2	1659.7	1600.7	1534.8	1455.4	1367.2	1270.1	1150.6	1081.4
57.5°	*1765.0*	1761.6	1739.2	1695.0	1636.0	1564.0	1483.9	1396.4	1295.9	1177.1	1105.1
60°	*1795.5*	1792.1	1769.0	1724.9	1665.2	1589.1	1509.0	1420.1	1318.3	1198.1	1124.8
62.5°	*1820.6*	1816.6	1794.2	1747.3	1684.9	1610.2	1528.1	1437.8	1335.9	1215.1	1141.8
65°	*1836.2*	1832.9	1811.1	1764.3	1699.8	1624.4	1542.3	1451.3	1350.2	1228.0	1154.7
67.5°	*1846.4*	1843.7	1821.3	1775.8	1711.3	1634.6	1551.1	1460.2	1359.7	1237.5	1164.2
70°	*1851.2*	*1848.5*	*1825.4*	*1779.2*	*1715.4*	*1638.7*	*1555.2*	*1464.2*	*1364.5*	*1244.3*	*1170.3*
71°	*1851.2*	1848.5	1826.1	1779.9	1716.1	1639.4	1555.9	1464.9	1365.1	1245.0	1171.0
72.5°	*1849.1*	1847.1	1824.7	1777.9	1714.1	1638.0	1553.8	1464.2	1365.1	1245.7	1172.3
75°	*1841.7*	1837.6	1815.9	1770.4	1707.3	1631.2	1547.7	1458.1	1361.1	1243.6	1171.0
77.5°	*1828.1*	1824.7	1802.3	1758.2	1695.0	1618.3	1535.5	1448.0	1352.9	1236.8	1165.6
80°	*1808.4*	1805.0	1783.3	1737.8	1675.4	1601.4	1518.6	1432.3	1338.7	1226.0	1156.1
82.5°	*1783.3*	1780.6	1759.5	1714.1	1652.3	1579.0	1496.1	1412.0	1323.0	1211.0	1142.5
85°	*1753.4*	1750.0	1727.0	1682.1	1623.1	1549.8	1469.0	1387.5	1300.6	1192.7	1126.2
87.5°	*1717.4*	1715.4	1692.3	1649.6	1590.5	1517.9	1440.5	1361.1	1275.5	1172.3	1107.9
90°	*1678.1*	1677.4	1653.0	1610.2	1551.8	1483.3	1406.5	1329.2	1246.3	1147.9	1085.5
92.5°	*1638.7*	1638.7	1614.3	1570.1	1512.4	1444.6	1371.9	1297.3	1218.5	1123.5	1063.7
95°	*1595.3*	1590.5	1567.4	1528.1	1470.4	1405.2	1335.3	1262.0	1185.9	1095.6	1039.3
97.5°	*1544.3*	1543.0	1520.6	1478.5	1425.6	1363.1	1295.2	1227.3	1154.0	1067.1	1013.5
100°	*1494.8*	1492.1	1471.0	1432.3	1378.0	1318.3	1254.5	1189.3	1120.1	1037.9	986.3
102.5°	*1445.9*	1439.1	1417.4	1378.0	1330.5	1272.1	1212.4	1152.7	1084.8	1006.7	958.5
105°	*1386.9*	1386.2	1363.8	1326.4	1278.2	1226.7	1170.3	1111.9	1050.2	974.8	930.0
107.5°	*1329.2*	1329.2	1308.1	1271.5	1226.0	1176.4	1126.2	1071.2	1014.2	941.5	900.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	*1270.1*	1269.4	1250.4	1217.8	1174.4	1126.9	1080.7	1030.5	973.4	909.6	869.6
112.5°	*1211.7*	1210.4	1192.0	1158.8	1118.7	1080.0	1033.9	987.7	935.4	876.4	838.4
115°	*1152.7*	1151.3	1131.6	1102.4	1065.8	1025.7	987.0	942.9	897.4	838.4	805.1
117.5°	*1091.6*	1090.2	1073.9	1045.4	1010.8	978.9	940.2	902.2	856.0	802.4	769.1
120°	*1029.1*	1029.8	1013.5	987.7	955.8	925.9	892.0	857.4	814.6	763.7	731.8
122.5°	*970.1*	965.3	954.4	931.4	902.8	875.0	846.5	811.2	771.2	723.0	695.1
125°	*906.9*	905.6	894.7	871.6	847.2	825.5	799.0	767.1	730.4	681.5	656.4
127.5°	*845.8*	847.9	835.6	818.7	794.9	776.6	749.4	721.6	686.3	642.2	618.4
130°	*788.8*	787.4	780.7	763.0	743.3	724.3	704.0	678.8	645.6	601.4	579.7
132.5°	*735.9*	729.7	723.6	708.7	692.4	676.8	659.1	634.0	600.1	561.4	542.4
135°	*678.2*	678.2	668.7	655.8	644.2	629.3	611.6	588.5	559.4	525.4	503.7
137.5°	*625.2*	622.5	616.4	606.2	595.3	584.5	569.5	546.5	520.7	488.1	469.1
140°	*575.0*	572.9	567.5	558.7	549.9	539.7	526.1	506.4	482.7	451.4	435.1
142.5°	*522.7*	524.1	519.3	513.2	503.0	496.2	484.0	466.4	445.3	418.2	402.5
145°	*475.9*	476.5	474.5	468.4	460.9	454.1	441.2	428.3	408.0	383.5	372.0
147.5°	*437.2*	434.5	430.4	427.0	420.2	414.8	404.6	392.4	373.4	352.3	341.5
150°	*393.7*	395.8	391.7	387.6	383.5	376.1	368.6	358.4	340.8	323.8	312.3
152.5°	*357.1*	358.4	355.0	353.0	348.9	342.8	335.3	325.8	312.3	297.3	286.5
155°	*324.5*	324.5	324.5	321.8	317.0	312.9	305.5	296.7	285.1	271.5	264.1
157.5°	*294.6*	295.3	295.3	291.9	288.5	285.1	279.0	271.5	261.4	249.8	244.4
160°	*270.9*	269.5	268.8	266.1	263.4	260.7	255.2	249.1	240.3	230.8	226.1
162.5°	*247.1*	247.1	245.7	243.7	241.7	237.6	234.2	228.1	222.0	215.2	209.8
165°	*228.8*	228.1	228.1	225.4	223.3	219.9	216.5	212.5	207.0	200.9	196.9
167.5°	*213.2*	211.8	211.1	209.8	207.0	205.0	201.6	198.2	194.1	190.1	186.7
170°	*198.2*	198.9	197.5	196.2	194.8	192.8	190.1	187.4	184.0	179.9	178.5
172.5°	*188.0*	187.4	186.7	185.3	184.0	181.9	180.6	177.9	175.8	173.1	171.7
175°	*178.5*	178.5	177.9	176.5	175.1	173.8	172.4	171.1	169.7	167.7	167.0
177.5°	*171.1*	171.1	171.1	169.7	169.0	168.4	167.0	166.3	165.6	164.3	164.3
180°	*163.6*	163.6	163.6	163.6	163.6	163.6	163.6	163.6	163.6	163.6	163.6

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9
2.5°	103.9	95.0	87.6	80.8	75.4	70.6	67.9	63.1	59.7	57.7
5°	116.8	103.9	93.0	82.1	74.0	65.2	56.3	47.5	42.1	41.4
7.5°	148.0	133.7	117.4	103.2	86.9	73.3	61.8	52.9	49.6	48.9
10°	187.4	166.3	144.6	123.5	102.5	85.5	73.3	65.2	61.1	60.4
12.5°	230.8	202.3	174.5	147.3	122.2	103.2	88.2	78.7	74.0	74.0
15°	275.6	240.3	205.0	171.7	142.6	118.8	100.5	88.2	82.8	82.1
17.5°	315.0	274.9	232.8	193.5	158.2	128.3	106.6	91.6	84.9	84.2
20°	359.8	308.9	260.7	211.8	170.4	135.8	110.0	93.0	84.2	83.5
22.5°	407.3	349.6	289.9	232.8	183.3	143.2	113.4	94.4	84.9	83.5
25°	460.9	391.7	319.7	253.9	196.2	150.0	116.8	95.7	85.5	84.2
27.5°	511.8	435.1	351.6	273.6	207.7	156.1	119.5	97.1	86.2	84.9
30°	566.1	477.9	382.9	294.6	219.9	162.2	122.2	97.8	86.2	84.9
32.5°	621.1	519.3	415.4	313.6	230.1	166.3	123.5	98.4	86.9	85.5
35°	679.5	564.1	446.0	333.3	239.6	170.4	124.9	99.1	86.9	85.5
37.5°	733.1	606.9	475.9	350.3	247.8	173.8	126.3	99.1	87.6	86.2
40°	781.3	645.6	502.3	365.2	254.6	175.8	126.9	99.8	88.2	86.9
42.5°	828.9	683.6	526.1	377.4	260.0	177.2	127.6	100.5	88.9	87.6
45°	870.9	715.5	547.8	389.0	264.1	178.5	128.3	101.1	89.6	88.2
47.5°	908.3	745.4	568.2	398.5	266.8	179.2	129.0	101.8	91.0	89.6
50°	944.3	773.9	583.8	405.9	269.5	179.9	129.0	103.2	93.0	91.6
52.5°	974.8	797.0	598.1	412.1	270.9	180.6	130.3	104.5	94.4	93.7
55°	1001.3	817.3	611.0	416.8	272.2	180.6	131.7	106.6	97.1	95.7
57.5°	1023.0	833.6	619.8	419.5	272.2	181.2	132.4	109.3	99.8	98.4
60°	1042.0	847.9	627.9	422.9	272.9	181.9	134.4	112.0	103.2	102.5
62.5°	1057.6	858.7	634.0	424.9	273.6	184.0	137.1	115.4	106.6	105.9
65°	1069.8	868.2	638.8	426.3	274.2	185.3	139.8	118.8	111.3	110.6
67.5°	1078.0	875.0	642.2	427.0	274.9	187.4	143.2	123.5	116.1	114.7
70°	*1084.1*	*879.1*	*644.2*	*427.7*	*276.3*	*189.4*	*147.3*	*127.6*	*120.8*	*120.2*
71°	1085.5	879.8	644.9	427.7	277.0	190.8	148.7	129.7	122.9	122.2
72.5°	1086.1	880.4	644.9	427.7	277.6	192.8	151.4	133.1	126.3	125.6
75°	1085.5	879.8	644.2	427.7	279.0	196.2	156.1	137.8	131.7	131.0
77.5°	1080.7	877.1	642.2	427.7	281.0	200.3	161.6	144.6	137.8	137.1
80°	1072.6	871.6	638.8	427.0	283.1	205.0	167.0	150.7	143.9	143.2
82.5°	1061.7	863.5	634.0	427.0	285.8	209.1	172.4	156.1	150.7	150.0
85°	1047.4	854.0	629.3	426.3	289.2	214.5	179.2	163.6	158.2	156.8
87.5°	1030.5	842.4	623.8	426.3	292.6	220.6	186.0	170.4	165.0	163.6
90°	1011.5	829.5	618.4	426.3	296.7	226.7	193.5	177.9	171.7	171.1
92.5°	992.5	817.3	613.0	427.0	302.1	233.5	200.9	186.0	179.9	179.9
95°	970.7	802.4	606.9	428.3	307.5	241.0	209.8	194.1	188.0	187.4
97.5°	949.0	788.8	602.1	430.4	313.6	249.8	217.9	203.0	196.9	195.5
100°	924.6	774.5	597.4	433.1	321.1	258.0	226.7	211.8	205.7	205.0
102.5°	900.8	758.9	591.9	436.5	328.6	267.5	236.2	220.6	214.5	213.8
105°	875.0	742.6	585.8	439.2	336.0	276.3	245.1	228.8	222.0	222.0
107.5°	849.9	725.7	579.7	442.6	343.5	285.1	253.2	236.9	229.4	228.8

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1223935
CATALOG NUMBER: FFX-CLB-70-727-U-VM9-T4-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	821.4	707.3	572.3	444.6	350.3	292.6	260.7	243.0	235.6	234.9
112.5°	795.6	687.7	564.1	445.3	356.4	299.4	266.8	248.5	241.0	239.6
115°	763.0	667.3	553.2	444.0	359.8	304.8	270.9	251.8	243.7	242.3
117.5°	731.8	644.2	541.7	440.6	361.8	307.5	273.6	253.9	245.1	243.7
120°	699.9	618.4	525.4	434.5	359.8	307.5	273.6	252.5	243.7	243.0
122.5°	663.9	591.3	508.4	425.6	356.4	304.8	270.9	250.5	241.0	240.3
125°	626.6	562.1	488.1	413.4	349.6	300.7	266.8	246.4	236.9	236.2
127.5°	590.6	532.2	467.0	399.2	340.1	293.9	261.4	240.3	230.8	229.4
130°	555.3	501.0	443.3	382.2	328.6	285.1	253.9	234.2	224.7	223.3
132.5°	518.6	471.1	419.5	365.9	316.3	275.6	245.7	226.7	217.9	216.5
135°	484.0	439.9	393.7	346.2	302.1	264.7	236.9	219.3	210.4	209.8
137.5°	450.7	410.7	370.0	327.2	287.8	253.9	228.1	211.8	203.7	202.3
140°	416.8	382.2	345.5	308.9	272.2	242.3	219.3	203.7	196.2	194.8
142.5°	387.6	355.0	322.4	288.5	257.3	230.1	209.8	195.5	189.4	188.7
145°	357.1	328.6	299.4	270.2	243.0	219.3	200.9	188.7	182.6	181.9
147.5°	329.9	302.8	277.6	252.5	228.8	207.7	192.1	181.9	177.2	176.5
150°	302.1	280.4	258.6	235.6	215.2	197.5	184.6	175.8	171.1	170.4
152.5°	277.6	259.3	239.6	222.0	203.0	188.7	177.9	169.7	166.3	165.6
155°	256.6	241.0	224.7	208.4	193.5	181.9	172.4	165.6	162.9	162.9
157.5°	238.3	224.7	211.1	197.5	185.3	175.1	167.7	162.9	160.2	159.5
160°	220.6	209.8	197.5	187.4	177.9	170.4	164.3	160.2	158.2	157.5
162.5°	206.4	196.9	188.7	179.9	172.4	166.3	161.6	158.2	156.8	156.8
165°	194.1	187.4	179.9	173.8	167.7	162.9	159.5	157.5	156.1	156.1
167.5°	184.6	178.5	173.8	168.4	164.3	160.9	158.2	156.8	156.1	155.5
170°	176.5	172.4	168.4	165.0	161.6	159.5	157.5	156.8	156.1	156.1
172.5°	170.4	167.7	165.0	162.2	160.2	158.2	157.5	156.8	156.8	156.8
175°	165.6	164.3	162.2	160.9	159.5	158.8	158.2	158.2	158.2	158.2
177.5°	163.6	162.2	161.6	160.9	160.2	160.2	160.2	160.9	160.9	160.9
180°	163.6	163.6	163.6	163.6	163.6	163.6	163.6	163.6	163.6	163.6

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2501-332-3

Test Date: 03/21/2025

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

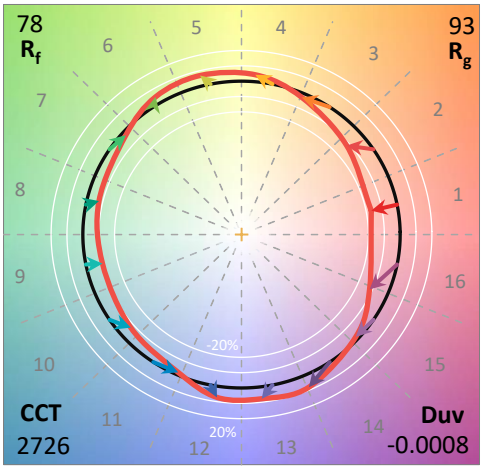
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-3
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	03/31/2025
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):	2726
CIE u':	0.2616
CIE v':	0.5257
Duv:	-0.0008
CIE x:	0.4564
CIE y:	0.4077
CIE z:	0.1358
Peak Wavelength (nm):	599
Dominant Wavelength (nm):	584
Purity:	59.39437
Rf:	77.8
Rg:	93.1

CRI (Ra):	72.7
R1:	69.3
R2:	86.2
R3:	92.5
R4:	67.2
R5:	69.7
R6:	82.9
R7:	74.2
R8:	39.5
R9:	-32.4
R10:	70.6
R11:	63.6
R12:	64.8
R13:	72.8
R14:	96.1
R15:	60.3



Test Conditions

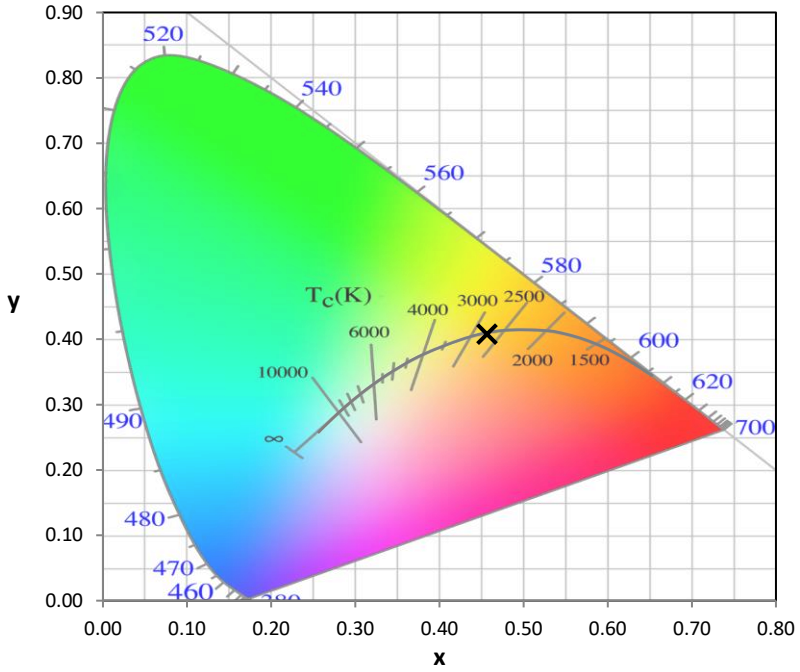
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

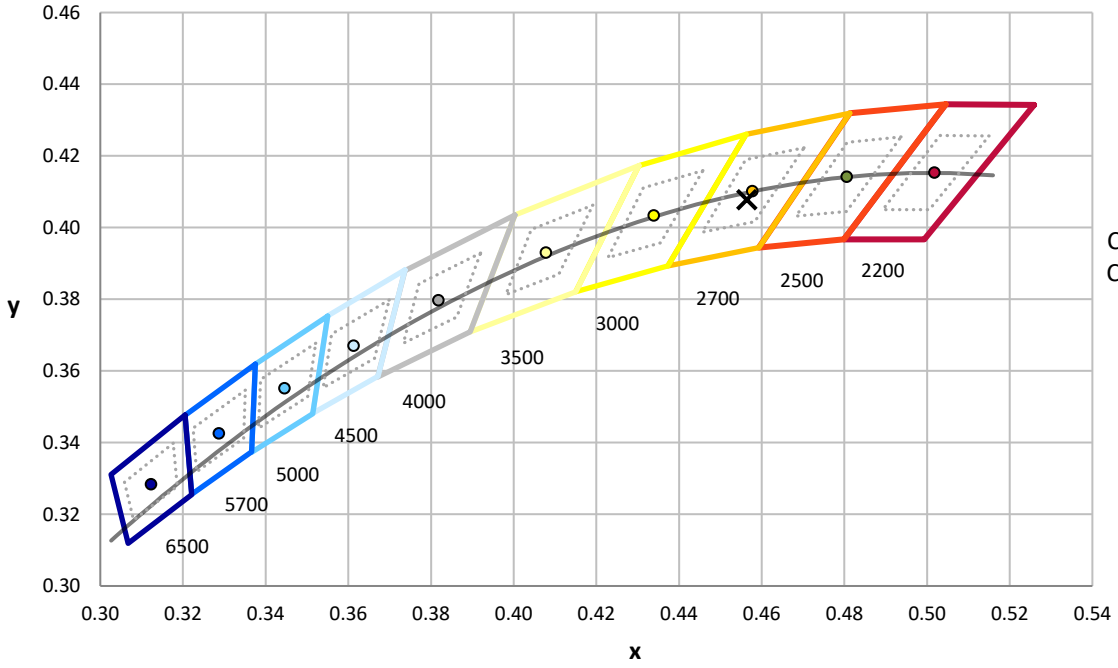
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085	10/22/2024	10/22/2025
Room Thermometer	IN0046	10/22/2024	10/22/2025

REPORT NUMBER: SP1-2501-332-3

CIE 1931 Chromaticity Diagram



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

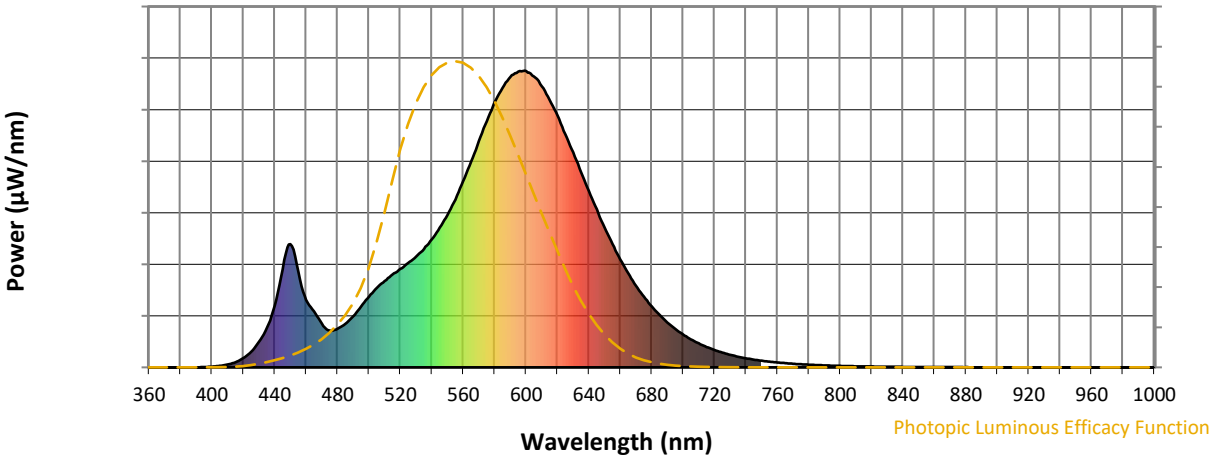


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

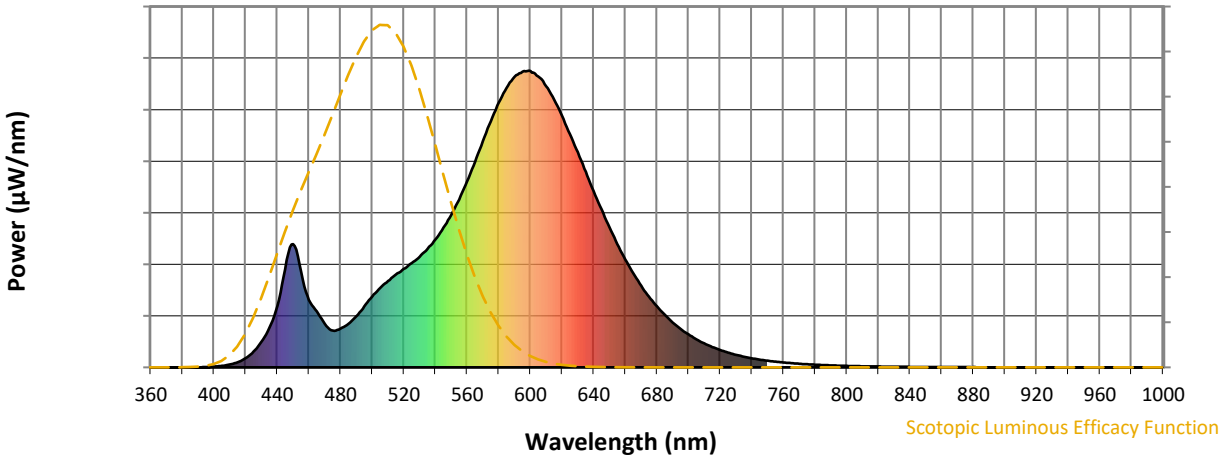


Photopic Lumens: NR

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-3

Scotopic Flux vs. Wavelength

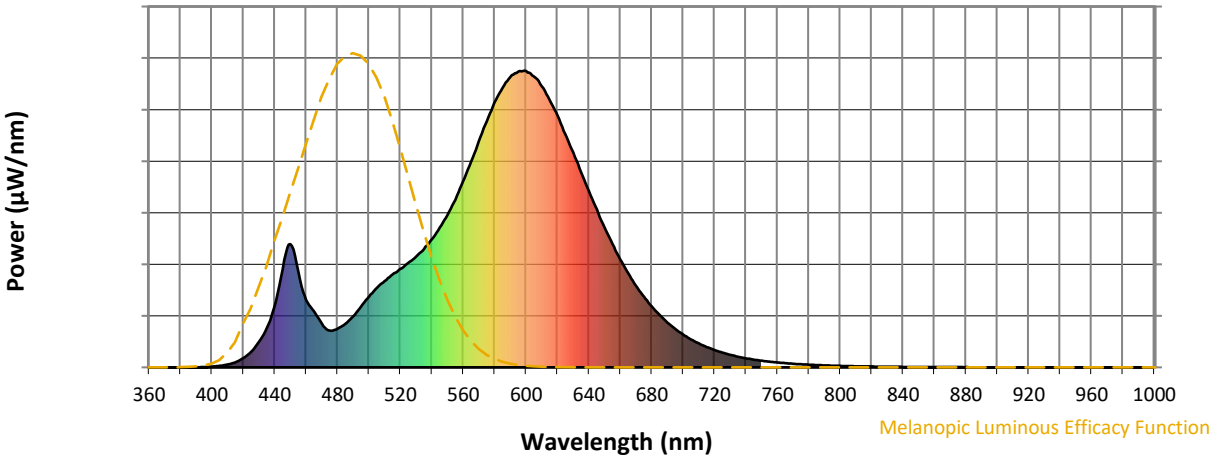


Scotopic Lumens: NR **S/P: 1.16**

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.15**

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

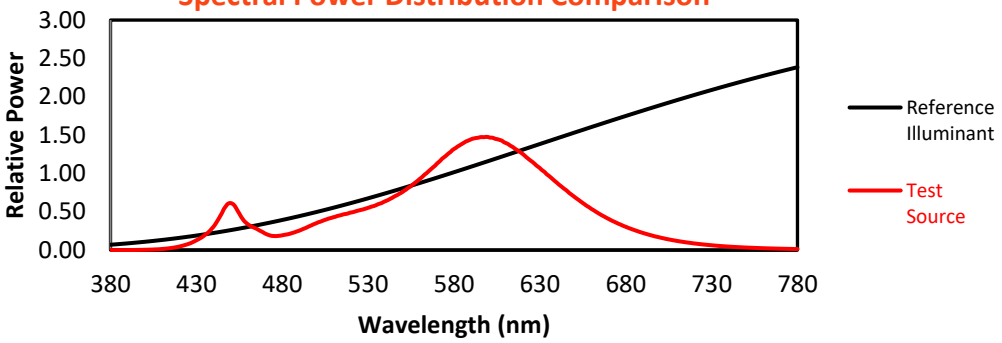
REPORT NUMBER: SP1-2501-332-3

TM-30-18

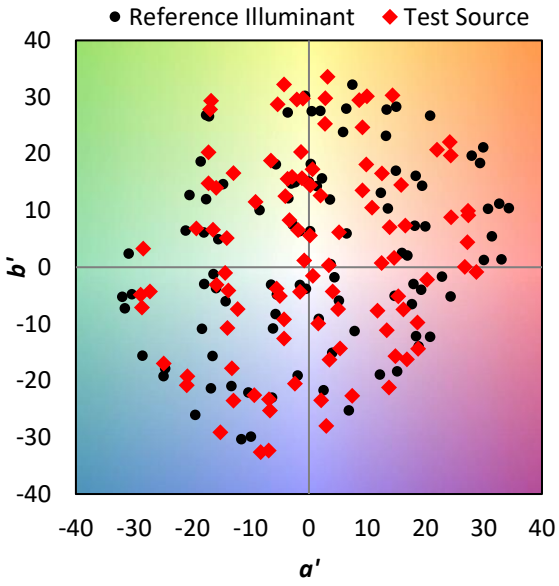
Summary

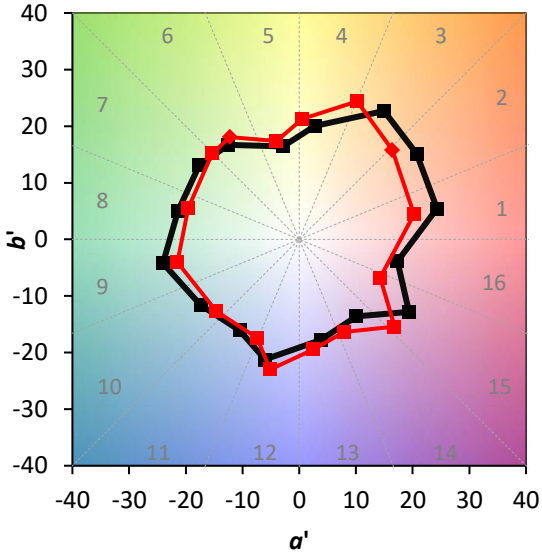
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

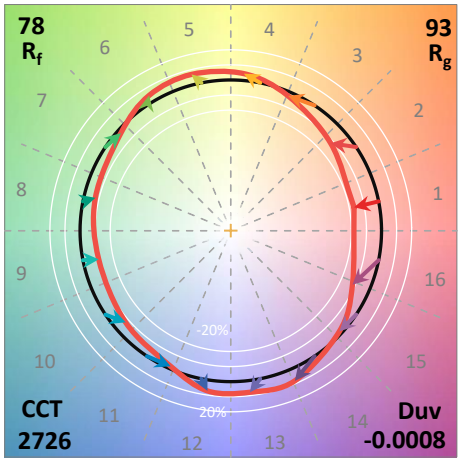
Spectral Power Distribution Comparison

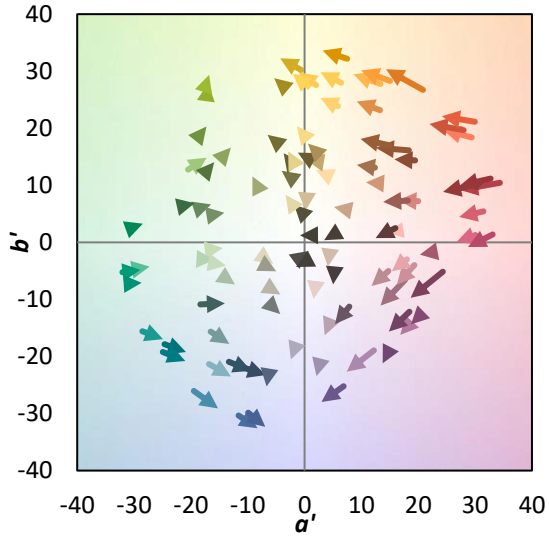


Color Vector Graphics







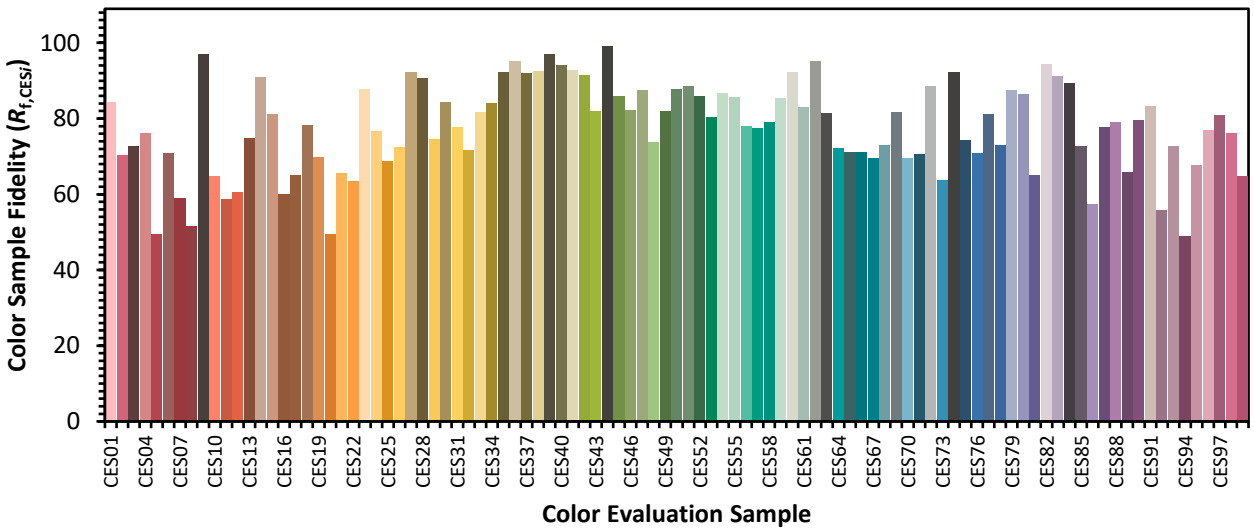


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

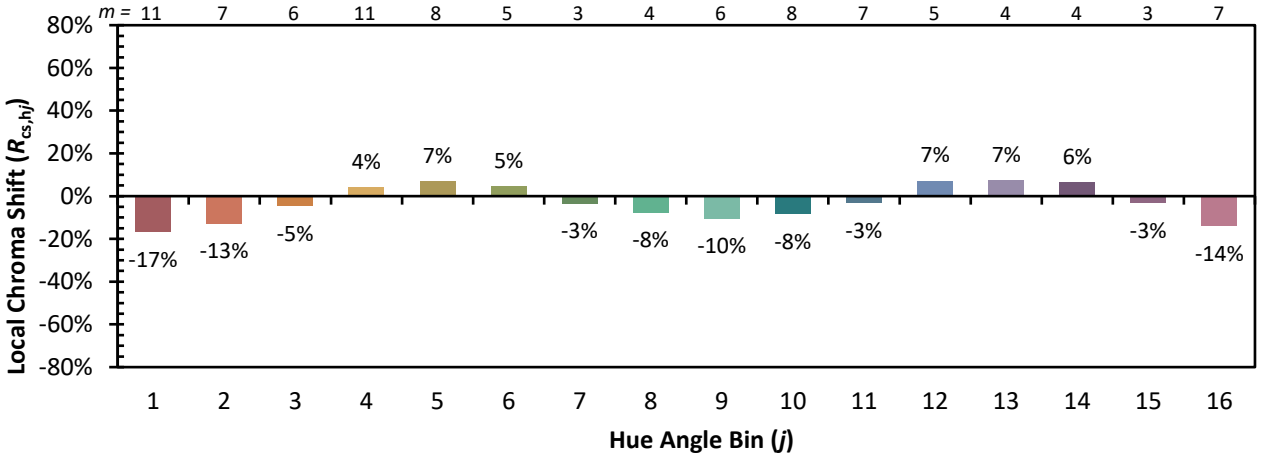
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57 = 77	CES82 = 94
CES08 = 41	CES33 = 82	CES58 = 79	CES83 = 91
CES09 = 29	CES34 = 84	CES59 = 85	CES84 = 89
CES10 = 77	CES35 = 92	CES60 = 92	CES85 = 73
CES11 = 60	CES36 = 95	CES61 = 83	CES86 = 57
CES12 = 66	CES37 = 92	CES62 = 95	CES87 = 78
CES13 = 44	CES38 = 93	CES63 = 82	CES88 = 79
CES14 = 74	CES39 = 97	CES64 = 72	CES89 = 66
CES15 = 72	CES40 = 94	CES65 = 71	CES90 = 80
CES16 = 48	CES41 = 93	CES66 = 71	CES91 = 83
CES17 = 51	CES42 = 92	CES67 = 69	CES92 = 56
CES18 = 57	CES43 = 82	CES68 = 73	CES93 = 73
CES19 = 73	CES44 = 99	CES69 = 82	CES94 = 49
CES20 = 67	CES45 = 86	CES70 = 70	CES95 = 68
CES21 = 87	CES46 = 82	CES71 = 71	CES96 = 77
CES22 = 80	CES47 = 88	CES72 = 89	CES97 = 81
CES23 = 92	CES48 = 74	CES73 = 64	CES98 = 76
CES24 = 91	CES49 = 82	CES74 = 92	CES99 = 65
CES25 = 73	CES50 = 88	CES75 = 74	

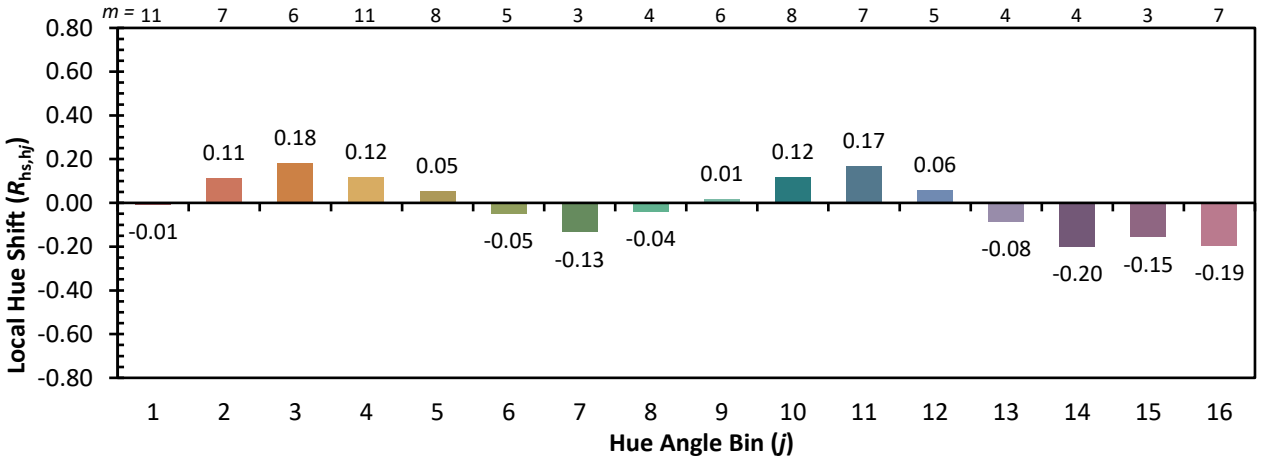


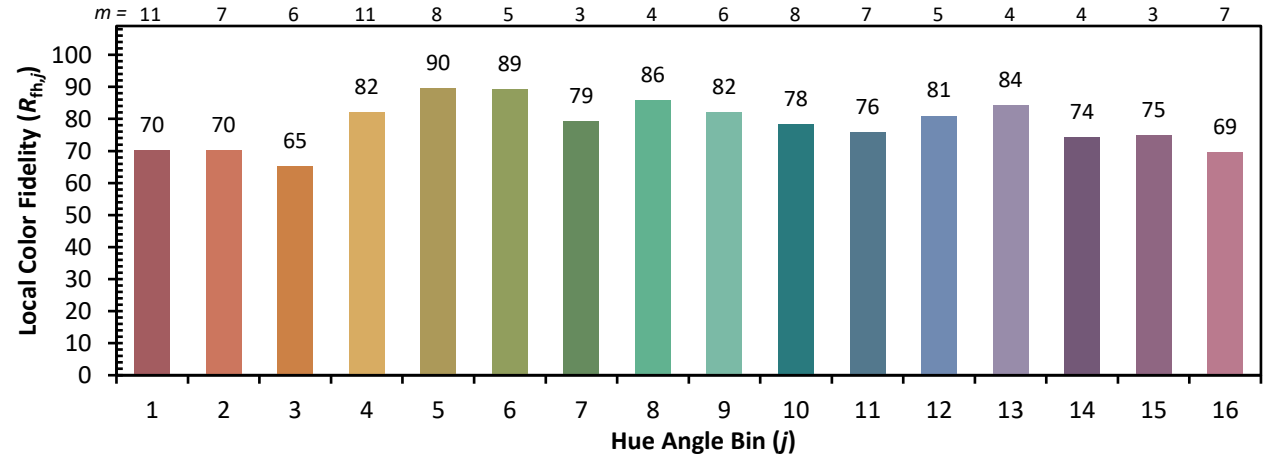
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Color Rendition by Hue-Angle Bin



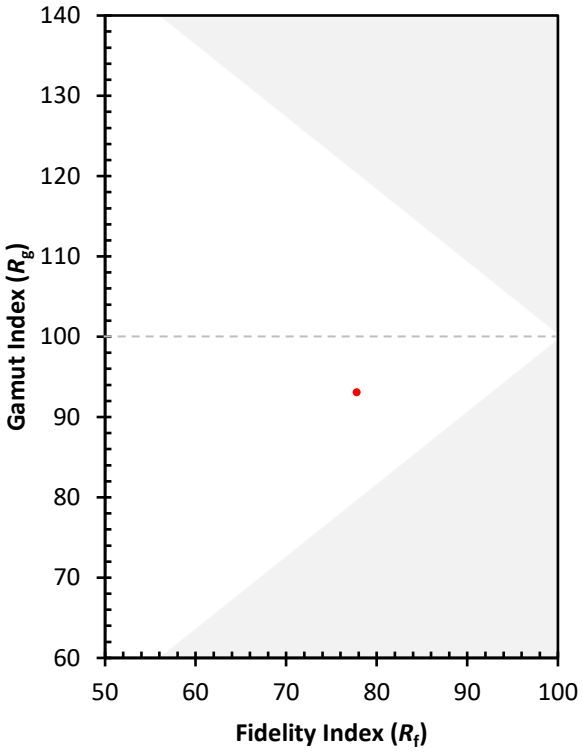


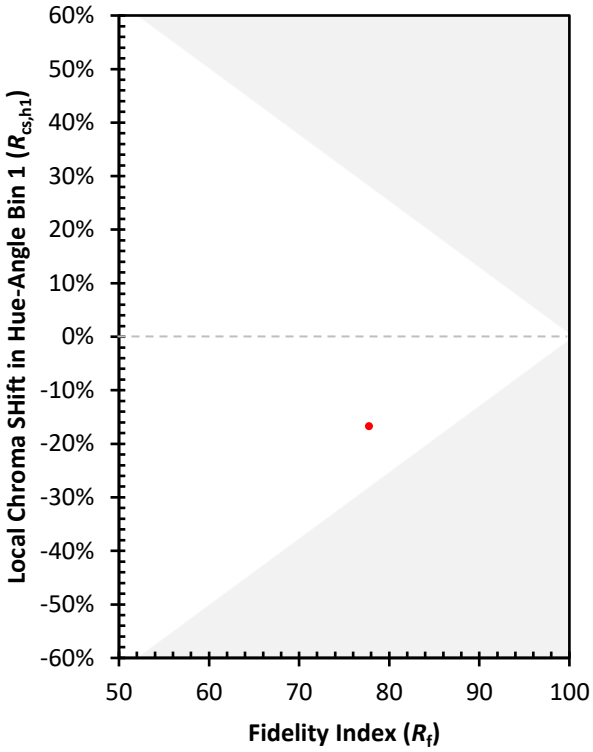


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Measure Comparisons





(END OF REPORT)