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: P1223943

Luminaire Tested: **FFX-CLB-80-730-U-VM9-T4-HSS**

Issue Date: 01/27/2026

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1223943
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-80-730-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) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11113.1 lumens
Efficiency:	N/A
Efficacy:	135.9 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U5 - G5

Input Watts (W):	81.8
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.01%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

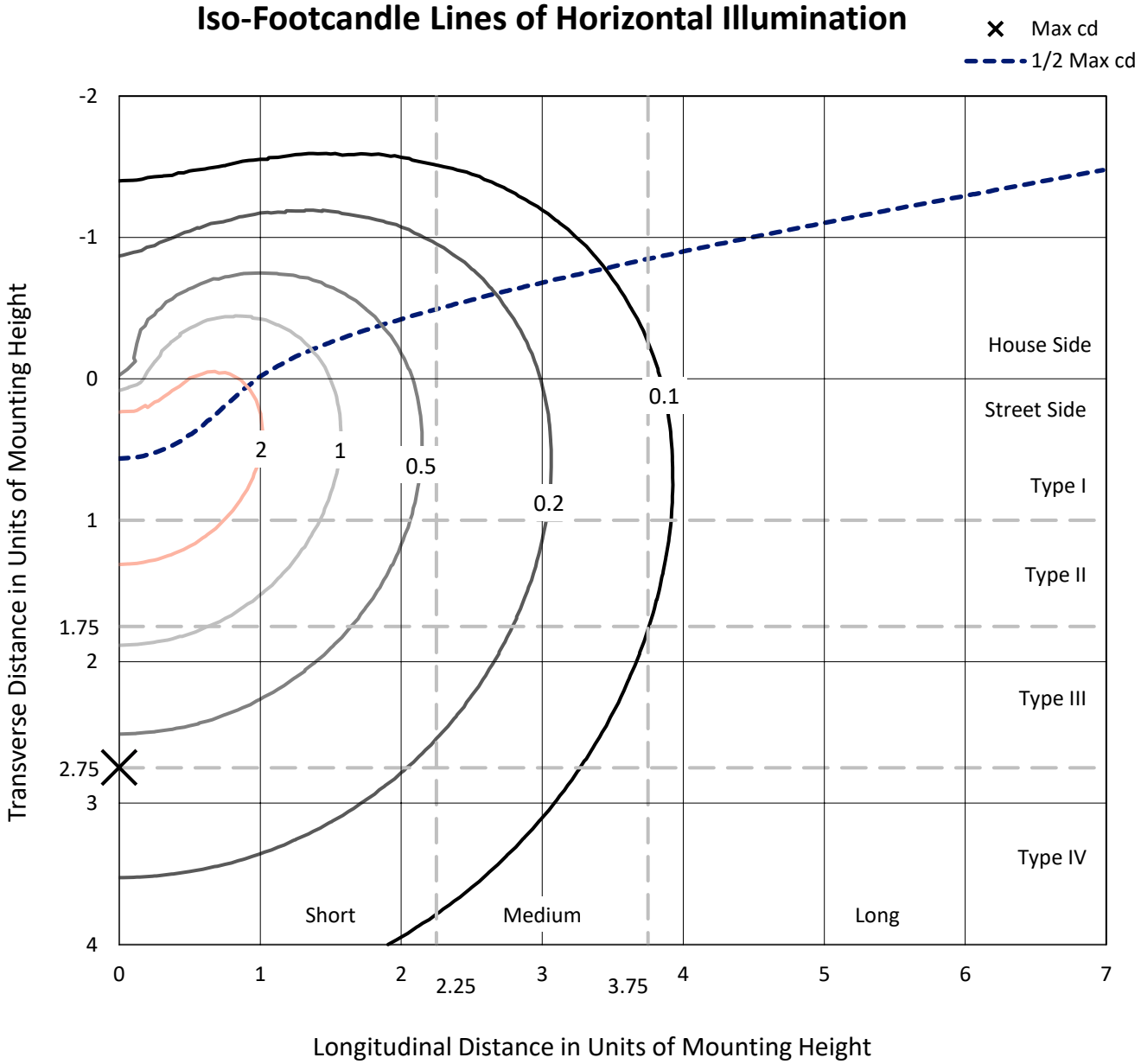


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Iso-Footcandle Lines of Horizontal Illumination



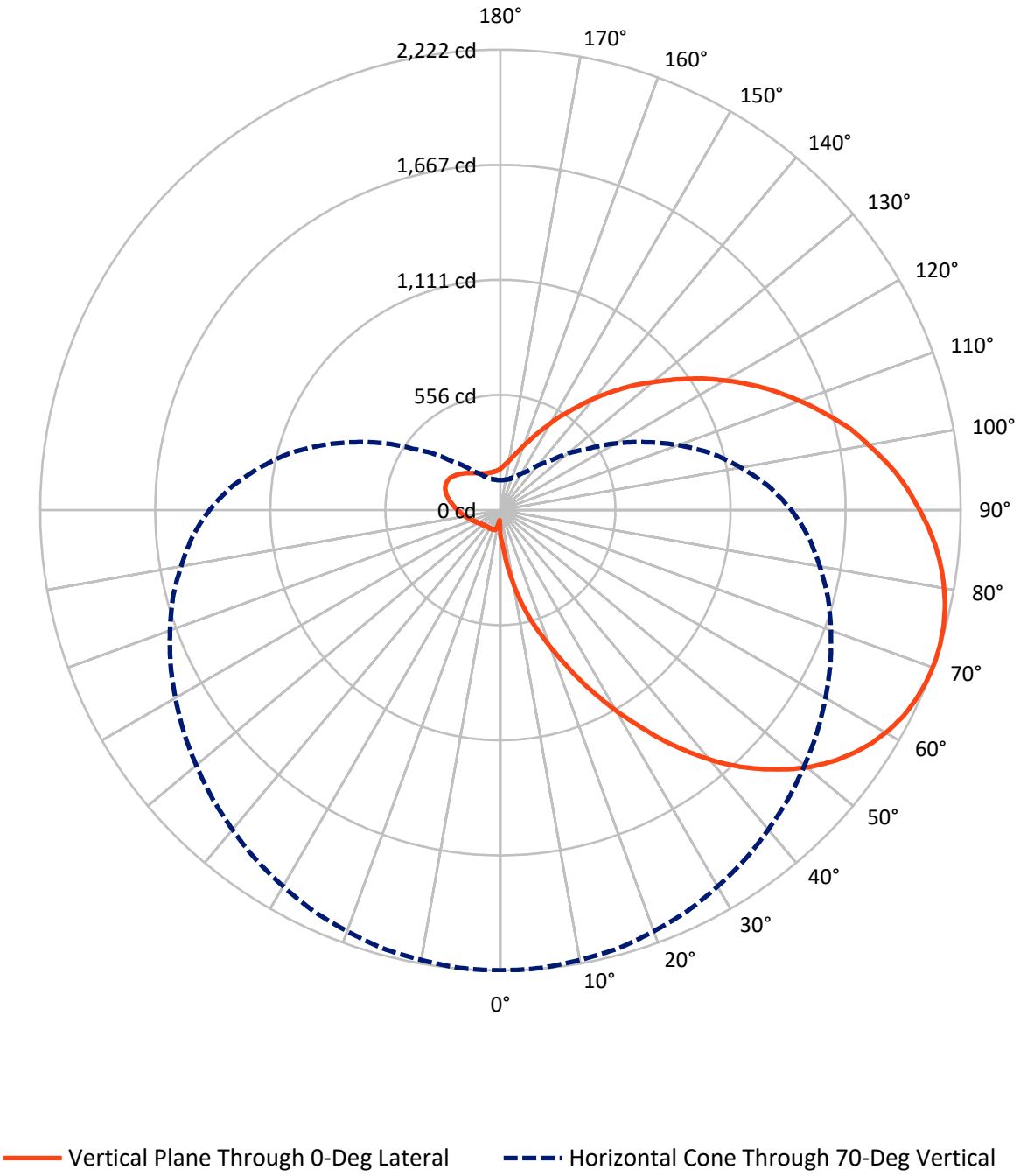
Based on 15 foot mounting height. Maximum calculated value = 3.3 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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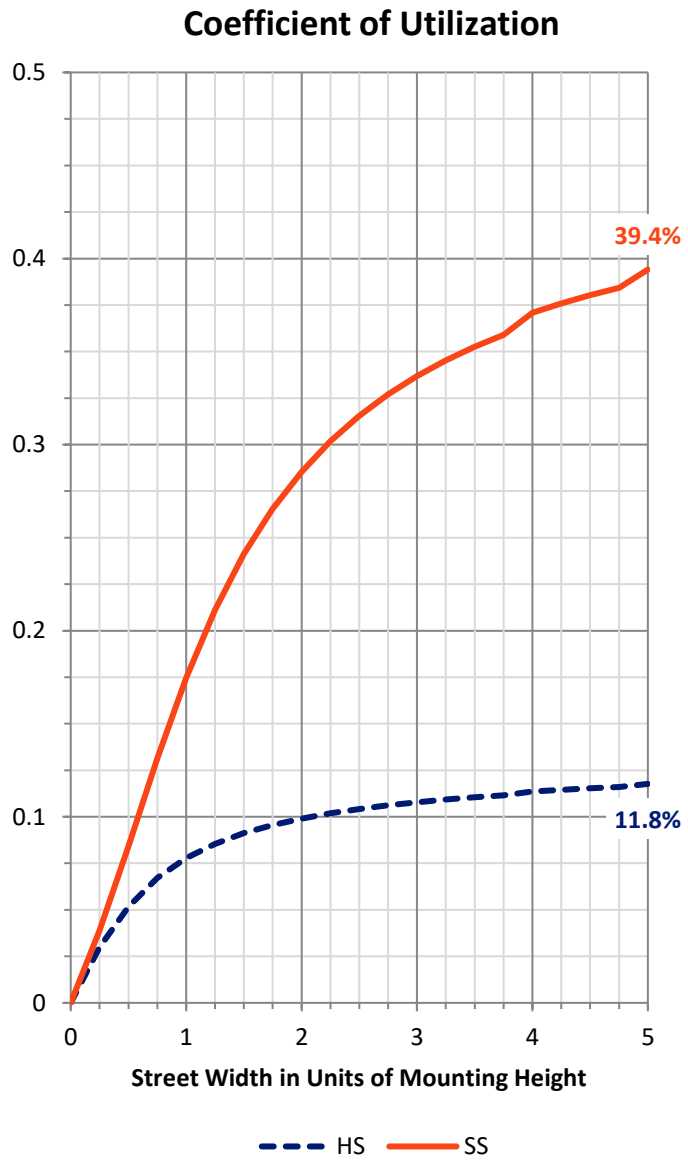
REPORT NUMBER: P1223943
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1425.0	1374.9	2799.9
	% Fixture	12.8	12.4	25.2
Street Side	Lumens	5005.5	3307.8	8313.3
	% Fixture	45.0	29.8	74.8
Total	Lumens	6430.5	4682.7	11113.1
	% Fixture	57.9	42.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.7	0.2
10°-20°	97.2	0.9
20°-30°	255.6	2.3
30°-40°	496.5	4.5
40°-50°	773.7	7.0
50°-60°	1020.7	9.2
60°-70°	1198.5	10.8
70°-80°	1289.5	11.6
80°-90°	1282.1	11.5
90°-100°	1192.0	10.7
100°-110°	1046.6	9.4
110°-120°	860.8	7.7
120°-130°	648.0	5.8
130°-140°	439.2	4.0
140°-150°	265.9	2.4
150°-160°	143.2	1.3
160°-170°	67.4	0.6
170°-180°	19.6	0.2
0°-90°	6430.5	57.9
0°-180°	11113.1	100.0



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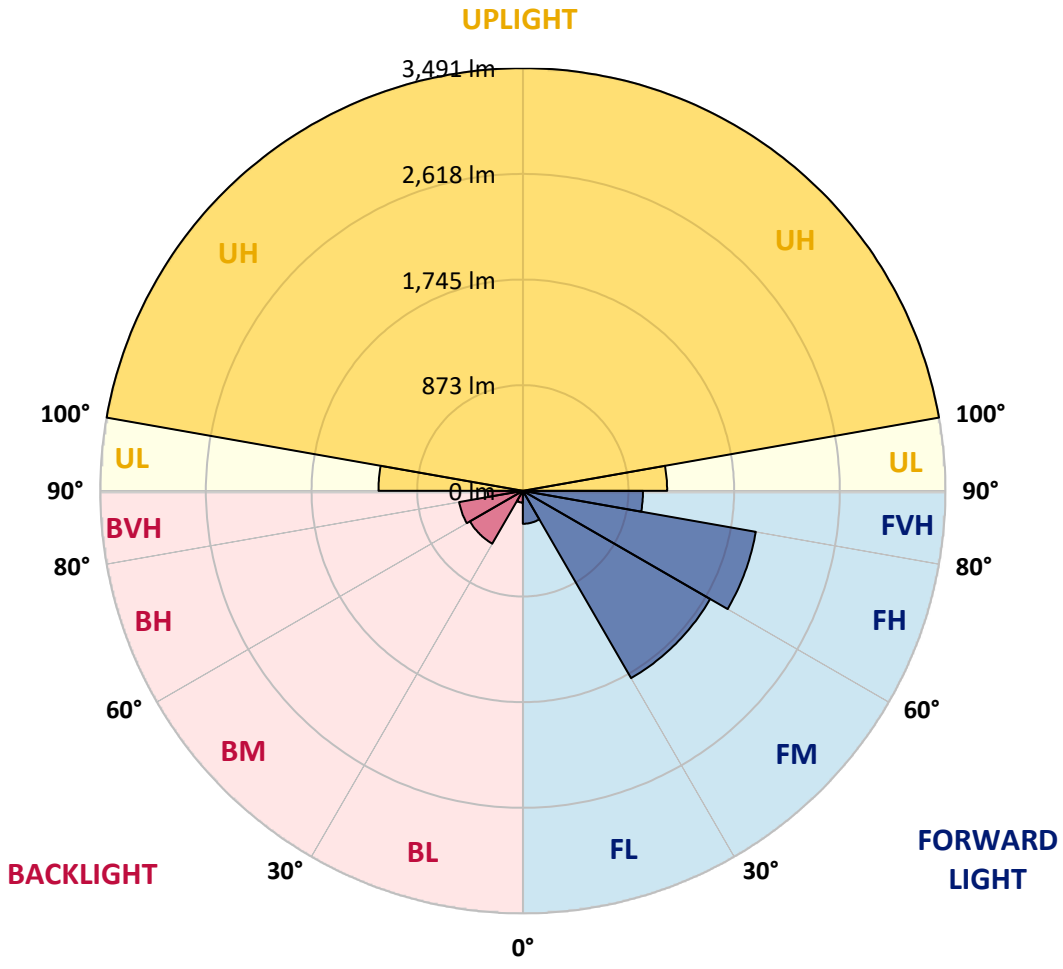
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	272.2	2.4			
FM	(30°-60°)	1786.6	16.1			
FH	(60°-80°)	1954.0	17.6			G2/5000
FVH	(80°-90°)	992.6	8.9			G5
BL	(0°-30°)	97.2	0.9	B0/110		
BM	(30°-60°)	504.3	4.5	B1/1000		
BH	(60°-80°)	534.0	4.8	B2/1000		G2/1000
BVH	(80°-90°)	289.5	2.6			G3/500
UL	(90°-100°)	1192.0	10.7		U5	
UH	(100°-180°)	3490.6	31.4		U5	

BUG Rating: B2-U5-G5
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	*127.1*	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1
2.5°	*154.8*	155.6	154.8	154.8	156.5	154.8	153.2	147.5	141.0	132.8	128.8
5°	*216.8*	216.8	220.8	220.8	216.8	207.8	197.2	182.5	169.5	155.6	145.9
7.5°	*295.8*	297.4	294.2	286.0	281.1	263.2	252.6	233.9	217.6	198.8	189.9
10°	*378.1*	378.9	374.8	367.5	352.0	334.1	318.6	296.6	275.4	251.0	237.9
12.5°	*466.1*	464.5	457.1	440.9	431.9	411.5	391.1	368.3	339.8	309.7	294.2
15°	*550.0*	546.8	543.5	526.4	514.2	493.8	470.2	439.2	405.8	372.4	349.6
17.5°	*630.7*	623.4	618.5	610.3	591.6	573.7	543.5	506.9	471.0	427.0	403.4
20°	*717.1*	718.7	710.6	699.2	678.8	652.7	623.4	584.3	539.5	487.3	458.8
22.5°	*814.1*	814.1	809.2	794.5	773.3	739.9	705.7	664.9	609.5	554.9	519.9
25°	*921.6*	915.9	909.4	890.7	872.7	836.9	796.1	752.1	694.3	628.3	589.2
27.5°	*1028.4*	1025.9	1019.4	999.0	976.2	938.7	898.0	841.0	778.2	700.8	660.1
30°	*1141.6*	1139.2	1132.7	1113.1	1079.7	1043.0	994.2	933.0	864.6	777.4	732.6
32.5°	*1250.8*	1250.8	1242.7	1222.3	1187.3	1143.3	1091.1	1022.7	946.9	857.3	803.5
35°	*1372.3*	1371.4	1356.8	1332.3	1290.0	1251.7	1193.0	1121.3	1035.7	933.0	876.0
37.5°	*1483.9*	1479.8	1465.2	1439.1	1400.0	1350.3	1284.3	1205.2	1117.2	1008.0	943.6
40°	*1593.9*	1589.0	1576.0	1546.6	1499.4	1443.2	1375.5	1290.8	1191.4	1078.1	1011.3
42.5°	*1693.3*	1691.7	1672.9	1637.9	1590.6	1527.1	1454.6	1364.9	1265.5	1143.3	1072.4
45°	*1783.8*	1783.8	1765.0	1726.7	1672.9	1608.6	1528.7	1436.6	1330.7	1202.8	1127.8
47.5°	*1869.3*	1869.3	1851.4	1807.4	1747.9	1677.0	1595.5	1500.2	1387.7	1256.5	1176.7
50°	*1946.7*	1943.5	1923.1	1874.2	1813.9	1739.8	1654.2	1554.0	1440.7	1304.6	1223.9
52.5°	*2013.6*	2009.5	1985.9	1940.2	1872.6	1793.6	1703.9	1602.1	1483.9	1346.2	1263.9
55°	*2069.8*	2067.4	2044.5	1992.4	1921.5	1842.4	1747.1	1641.2	1524.6	1381.2	1298.1
57.5°	*2118.7*	2114.6	2087.7	2034.8	1963.9	1877.5	1781.3	1676.2	1555.6	1413.0	1326.6
60°	*2155.4*	2151.3	2123.6	2070.6	1998.9	1907.6	1811.5	1704.7	1582.5	1438.3	1350.3
62.5°	*2185.5*	2180.6	2153.7	2097.5	2022.5	1932.9	1834.3	1725.9	1603.7	1458.6	1370.6
65°	*2204.3*	2200.2	2174.1	2117.9	2040.5	1950.0	1851.4	1742.2	1620.8	1474.1	1386.1
67.5°	*2216.5*	2213.2	2186.3	2131.7	2054.3	1962.2	1862.0	1752.8	1632.2	1485.5	1397.5
70°	*2222.2*	*2218.9*	*2191.2*	*2135.8*	*2059.2*	*1967.1*	*1866.9*	*1757.7*	*1637.9*	*1493.7*	*1404.9*
71°	*2222.2*	2218.9	2192.0	2136.6	2060.0	1967.9	1867.7	1758.5	1638.7	1494.5	1405.7
72.5°	*2219.7*	2217.3	2190.4	2134.2	2057.6	1966.3	1865.3	1757.7	1638.7	1495.3	1407.3
75°	*2210.8*	2205.9	2179.8	2125.2	2049.4	1958.2	1857.9	1750.4	1633.8	1492.9	1405.7
77.5°	*2194.5*	2190.4	2163.5	2110.5	2034.8	1942.7	1843.3	1738.1	1624.1	1484.7	1399.1
80°	*2170.8*	2166.8	2140.7	2086.1	2011.1	1922.3	1822.9	1719.4	1606.9	1471.7	1387.7
82.5°	*2140.7*	2137.4	2112.2	2057.6	1983.4	1895.4	1796.0	1695.0	1588.2	1453.7	1371.4
85°	*2104.8*	2100.8	2073.1	2019.3	1948.4	1860.4	1763.4	1665.6	1561.3	1431.7	1351.9
87.5°	*2061.6*	2059.2	2031.5	1980.2	1909.3	1822.1	1729.2	1633.8	1531.2	1407.3	1329.9
90°	*2014.4*	2013.6	1984.2	1932.9	1862.8	1780.5	1688.4	1595.5	1496.1	1378.0	1303.0
92.5°	*1967.1*	1967.1	1937.8	1884.8	1815.6	1734.1	1646.9	1557.2	1462.7	1348.6	1276.9
95°	*1915.0*	1909.3	1881.6	1834.3	1765.0	1686.8	1602.9	1514.9	1423.6	1315.2	1247.6
97.5°	*1853.9*	1852.2	1825.3	1774.8	1711.2	1636.3	1554.8	1473.3	1385.3	1281.0	1216.6
100°	*1794.4*	1791.1	1765.8	1719.4	1654.2	1582.5	1505.9	1427.7	1344.6	1246.0	1184.0
102.5°	*1735.7*	1727.5	1701.5	1654.2	1597.2	1527.1	1455.4	1383.7	1302.2	1208.5	1150.6
105°	*1664.8*	1664.0	1637.1	1592.3	1534.4	1472.5	1404.9	1334.8	1260.6	1170.2	1116.4
107.5°	*1595.5*	1595.5	1570.3	1526.3	1471.7	1412.2	1351.9	1285.9	1217.4	1130.2	1081.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	*1524.6*	1523.8	1501.0	1461.9	1409.7	1352.7	1297.3	1237.0	1168.5	1091.9	1043.9
112.5°	*1454.6*	1452.9	1430.9	1391.0	1342.9	1296.5	1241.1	1185.7	1122.9	1052.0	1006.4
115°	*1383.7*	1382.0	1358.4	1323.4	1279.4	1231.3	1184.8	1131.9	1077.3	1006.4	966.4
117.5°	*1310.3*	1308.7	1289.1	1254.9	1213.4	1175.1	1128.6	1083.0	1027.6	963.2	923.3
120°	*1235.4*	1236.2	1216.6	1185.7	1147.4	1111.5	1070.8	1029.2	977.9	916.7	878.4
122.5°	*1164.5*	1158.8	1145.7	1118.0	1083.8	1050.4	1016.2	973.8	925.7	867.8	834.4
125°	*1088.7*	1087.0	1074.0	1046.3	1017.0	990.9	959.1	920.8	876.8	818.1	788.0
127.5°	*1015.3*	1017.8	1003.1	982.7	954.2	932.2	899.6	866.2	823.8	770.9	742.4
130°	*946.9*	945.3	937.1	915.9	892.3	869.5	845.0	814.9	775.0	722.0	695.9
132.5°	*883.3*	876.0	868.7	850.7	831.2	812.4	791.2	761.1	720.4	673.9	651.1
135°	*814.1*	814.1	802.7	787.2	773.3	755.4	734.2	706.5	671.5	630.7	604.6
137.5°	*750.5*	747.2	739.9	727.7	714.6	701.6	683.7	656.0	625.0	585.9	563.1
140°	*690.2*	687.8	681.2	670.6	660.1	647.8	631.5	607.9	579.4	541.9	522.3
142.5°	*627.5*	629.1	623.4	616.0	603.8	595.7	581.0	559.8	534.6	502.0	483.2
145°	*571.2*	572.0	569.6	562.3	553.3	545.2	529.7	514.2	489.7	460.4	446.6
147.5°	*524.8*	521.5	516.6	512.6	504.4	497.9	485.7	471.0	448.2	422.9	409.9
150°	*472.6*	475.1	470.2	465.3	460.4	451.4	442.5	430.3	409.1	388.7	374.8
152.5°	*428.6*	430.3	426.2	423.7	418.8	411.5	402.6	391.1	374.8	356.9	343.9
155°	*389.5*	389.5	389.5	386.3	380.5	375.7	366.7	356.1	342.2	326.0	317.0
157.5°	*353.7*	354.5	354.5	350.4	346.3	342.2	334.9	326.0	313.7	299.9	293.4
160°	*325.1*	323.5	322.7	319.4	316.2	312.9	306.4	299.1	288.5	277.1	271.4
162.5°	*296.6*	296.6	295.0	292.5	290.1	285.2	281.1	273.8	266.5	258.3	251.8
165°	*274.6*	273.8	273.8	270.5	268.1	264.0	259.9	255.1	248.5	241.2	236.3
167.5°	*255.9*	254.2	253.4	251.8	248.5	246.1	242.0	237.9	233.1	228.2	224.1
170°	*237.9*	238.8	237.1	235.5	233.9	231.4	228.2	224.9	220.8	215.9	214.3
172.5°	*225.7*	224.9	224.1	222.5	220.8	218.4	216.8	213.5	211.1	207.8	206.2
175°	*214.3*	214.3	213.5	211.9	210.2	208.6	207.0	205.3	203.7	201.3	200.5
177.5°	*205.3*	205.3	205.3	203.7	202.9	202.1	200.5	199.6	198.8	197.2	197.2
180°	*196.4*	196.4	196.4	196.4	196.4	196.4	196.4	196.4	196.4	196.4	196.4

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1
2.5°	124.7	114.1	105.1	97.0	90.5	84.7	81.5	75.8	71.7	69.3
5°	140.2	124.7	111.6	98.6	88.8	78.2	67.6	57.0	50.5	49.7
7.5°	177.6	160.5	141.0	123.9	104.3	88.0	74.2	63.6	59.5	58.7
10°	224.9	199.6	173.6	148.3	123.0	102.7	88.0	78.2	73.3	72.5
12.5°	277.1	242.8	209.4	176.8	146.7	123.9	105.9	94.5	88.8	88.8
15°	330.8	288.5	246.1	206.2	171.1	142.6	120.6	105.9	99.4	98.6
17.5°	378.1	330.0	279.5	232.2	189.9	154.0	127.9	110.0	101.9	101.0
20°	431.9	370.8	312.9	254.2	204.5	163.0	132.0	111.6	101.0	100.2
22.5°	488.9	419.7	348.0	279.5	220.0	171.9	136.1	113.3	101.9	100.2
25°	553.3	470.2	383.8	304.8	235.5	180.1	140.2	114.9	102.7	101.0
27.5°	614.4	522.3	422.1	328.4	249.4	187.4	143.4	116.5	103.5	101.9
30°	679.6	573.7	459.6	353.7	264.0	194.8	146.7	117.3	103.5	101.9
32.5°	745.6	623.4	498.7	376.5	276.2	199.6	148.3	118.2	104.3	102.7
35°	815.7	677.2	535.4	400.1	287.7	204.5	149.9	119.0	104.3	102.7
37.5°	880.1	728.5	571.2	420.5	297.4	208.6	151.6	119.0	105.1	103.5
40°	937.9	775.0	603.0	438.4	305.6	211.1	152.4	119.8	105.9	104.3
42.5°	995.0	820.6	631.5	453.1	312.1	212.7	153.2	120.6	106.7	105.1
45°	1045.5	858.9	657.6	466.9	317.0	214.3	154.0	121.4	107.6	105.9
47.5°	1090.3	894.7	682.1	478.3	320.2	215.1	154.8	122.2	109.2	107.6
50°	1133.5	929.0	700.8	487.3	323.5	215.9	154.8	123.9	111.6	110.0
52.5°	1170.2	956.7	717.9	494.6	325.1	216.8	156.5	125.5	113.3	112.5
55°	1201.9	981.1	733.4	500.3	326.8	216.8	158.1	127.9	116.5	114.9
57.5°	1228.0	1000.7	744.0	503.6	326.8	217.6	158.9	131.2	119.8	118.2
60°	1250.8	1017.8	753.8	507.7	327.6	218.4	161.3	134.5	123.9	123.0
62.5°	1269.6	1030.8	761.1	510.1	328.4	220.8	164.6	138.5	127.9	127.1
65°	1284.3	1042.2	766.8	511.7	329.2	222.5	167.9	142.6	133.6	132.8
67.5°	1294.0	1050.4	770.9	512.6	330.0	224.9	171.9	148.3	139.3	137.7
70°	*1301.4*	*1055.3*	*773.3*	*513.4*	*331.7*	*227.4*	*176.8*	*153.2*	*145.0*	*144.2*
71°	1303.0	1056.1	774.1	513.4	332.5	229.0	178.5	155.6	147.5	146.7
72.5°	1303.8	1056.9	774.1	513.4	333.3	231.4	181.7	159.7	151.6	150.8
75°	1303.0	1056.1	773.3	513.4	334.9	235.5	187.4	165.4	158.1	157.3
77.5°	1297.3	1052.8	770.9	513.4	337.4	240.4	193.9	173.6	165.4	164.6
80°	1287.5	1046.3	766.8	512.6	339.8	246.1	200.5	180.9	172.8	171.9
82.5°	1274.5	1036.5	761.1	512.6	343.1	251.0	207.0	187.4	180.9	180.1
85°	1257.4	1025.1	755.4	511.7	347.1	257.5	215.1	196.4	189.9	188.2
87.5°	1237.0	1011.3	748.9	511.7	351.2	264.8	223.3	204.5	198.0	196.4
90°	1214.2	995.8	742.4	511.7	356.1	272.2	232.2	213.5	206.2	205.3
92.5°	1191.4	981.1	735.8	512.6	362.6	280.3	241.2	223.3	215.9	215.9
95°	1165.3	963.2	728.5	514.2	369.1	289.3	251.8	233.1	225.7	224.9
97.5°	1139.2	946.9	722.8	516.6	376.5	299.9	261.6	243.6	236.3	234.7
100°	1109.9	929.8	717.1	519.9	385.4	309.7	272.2	254.2	246.9	246.1
102.5°	1081.3	911.0	710.6	524.0	394.4	321.1	283.6	264.8	257.5	256.7
105°	1050.4	891.5	703.2	527.2	403.4	331.7	294.2	274.6	266.5	266.5
107.5°	1020.2	871.1	695.9	531.3	412.3	342.2	304.0	284.4	275.4	274.6

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

Scaled Data Report

REPORT NUMBER: P1223943
CATALOG NUMBER: FFX-CLB-80-730-U-VM9-T4-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	986.0	849.1	686.9	533.7	420.5	351.2	312.9	291.7	282.8	281.9
112.5°	955.0	825.5	677.2	534.6	427.8	359.4	320.2	298.2	289.3	287.7
115°	915.9	801.0	664.1	532.9	431.9	365.9	325.1	302.3	292.5	290.9
117.5°	878.4	773.3	650.3	528.9	434.3	369.1	328.4	304.8	294.2	292.5
120°	840.1	742.4	630.7	521.5	431.9	369.1	328.4	303.1	292.5	291.7
122.5°	797.0	709.8	610.3	510.9	427.8	365.9	325.1	300.7	289.3	288.5
125°	752.1	674.7	585.9	496.3	419.7	361.0	320.2	295.8	284.4	283.6
127.5°	708.9	638.9	560.6	479.1	408.3	352.8	313.7	288.5	277.1	275.4
130°	666.6	601.4	532.1	458.8	394.4	342.2	304.8	281.1	269.7	268.1
132.5°	622.6	565.5	503.6	439.2	379.7	330.8	295.0	272.2	261.6	259.9
135°	581.0	528.0	472.6	415.6	362.6	317.8	284.4	263.2	252.6	251.8
137.5°	541.1	493.0	444.1	392.8	345.5	304.8	273.8	254.2	244.5	242.8
140°	500.3	458.8	414.8	370.8	326.8	290.9	263.2	244.5	235.5	233.9
142.5°	465.3	426.2	387.1	346.3	308.8	276.2	251.8	234.7	227.4	226.5
145°	428.6	394.4	359.4	324.3	291.7	263.2	241.2	226.5	219.2	218.4
147.5°	396.0	363.4	333.3	303.1	274.6	249.4	230.6	218.4	212.7	211.9
150°	362.6	336.5	310.5	282.8	258.3	237.1	221.6	211.1	205.3	204.5
152.5°	333.3	311.3	287.7	266.5	243.6	226.5	213.5	203.7	199.6	198.8
155°	308.0	289.3	269.7	250.2	232.2	218.4	207.0	198.8	195.6	195.6
157.5°	286.0	269.7	253.4	237.1	222.5	210.2	201.3	195.6	192.3	191.5
160°	264.8	251.8	237.1	224.9	213.5	204.5	197.2	192.3	189.9	189.1
162.5°	247.7	236.3	226.5	215.9	207.0	199.6	193.9	189.9	188.2	188.2
165°	233.1	224.9	215.9	208.6	201.3	195.6	191.5	189.1	187.4	187.4
167.5°	221.6	214.3	208.6	202.1	197.2	193.1	189.9	188.2	187.4	186.6
170°	211.9	207.0	202.1	198.0	193.9	191.5	189.1	188.2	187.4	187.4
172.5°	204.5	201.3	198.0	194.8	192.3	189.9	189.1	188.2	188.2	188.2
175°	198.8	197.2	194.8	193.1	191.5	190.7	189.9	189.9	189.9	189.9
177.5°	196.4	194.8	193.9	193.1	192.3	192.3	192.3	193.1	193.1	193.1
180°	196.4	196.4	196.4	196.4	196.4	196.4	196.4	196.4	196.4	196.4

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: SP1-2501-332-4

Test Date: 03/21/2025

Luminaire Tested: FFX-CLB-100-730-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-730-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

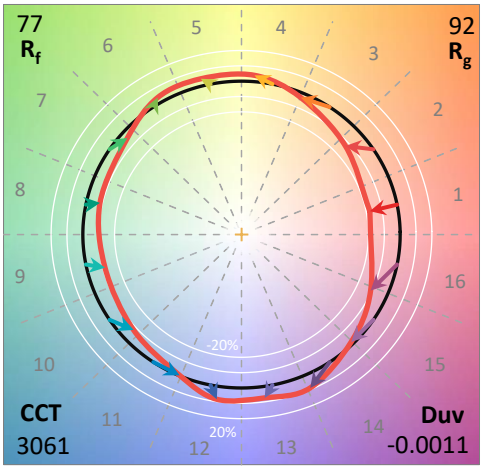
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-4
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-100-730-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	3061
CIE u':	0.2489
CIE v':	0.5187
Duv:	-0.0011
CIE x:	0.4312
CIE y:	0.3995
CIE z:	0.1693
Peak Wavelength (nm):	592
Dominant Wavelength (nm):	582
Purity:	49.32381
Rf:	76.8
Rg:	92.2

CRI (Ra):	71.7
R1:	67.8
R2:	85.0
R3:	92.9
R4:	66.0
R5:	68.5
R6:	80.2
R7:	74.5
R8:	39.0
R9:	-40.3
R10:	67.2
R11:	61.6
R12:	59.9
R13:	71.4
R14:	96.3
R15:	58.8



Test Conditions

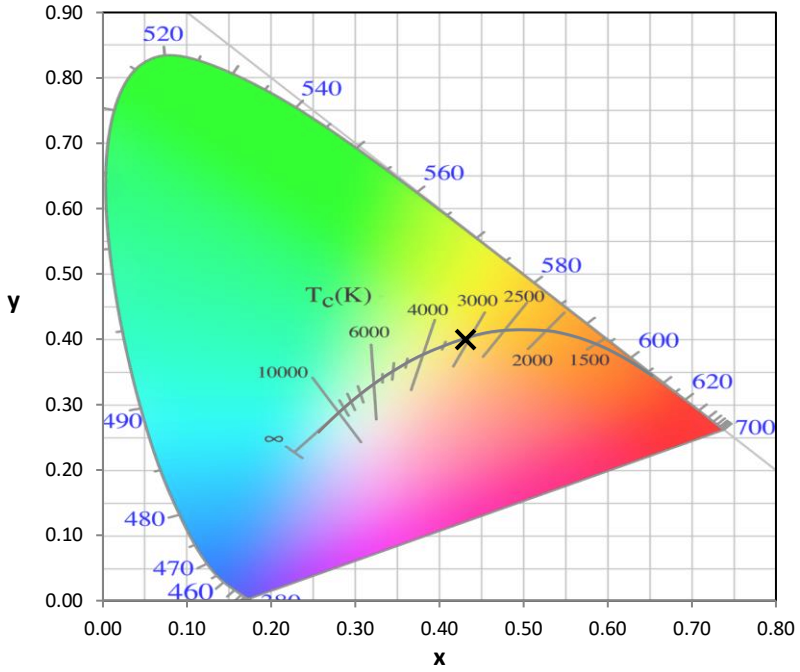
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

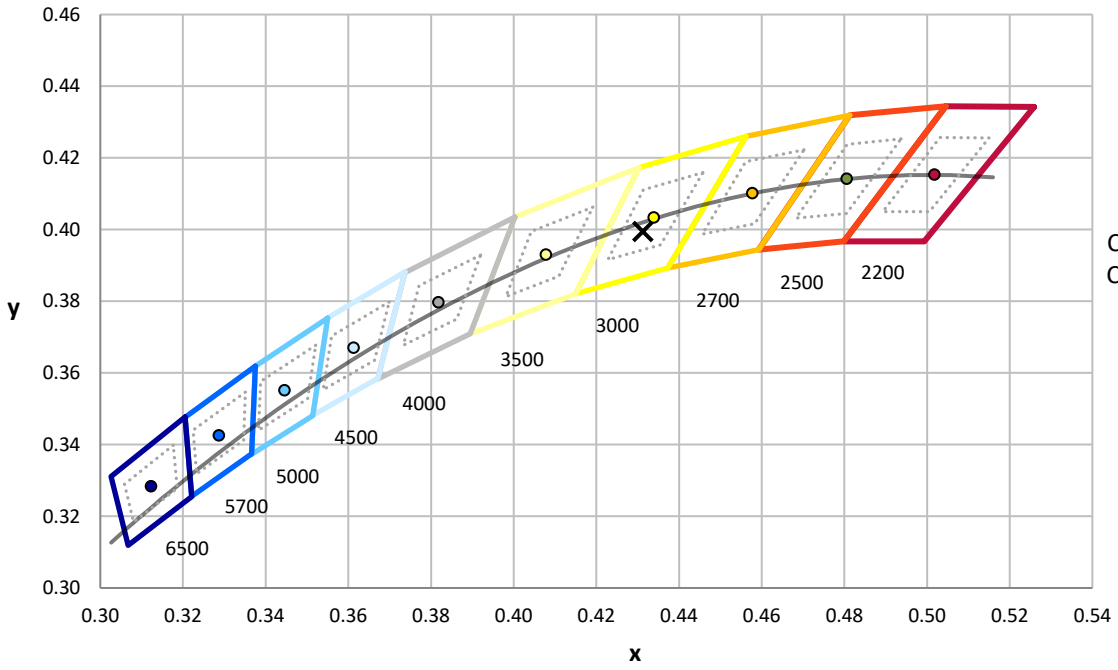
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-4

CIE 1931 Chromaticity Diagram



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

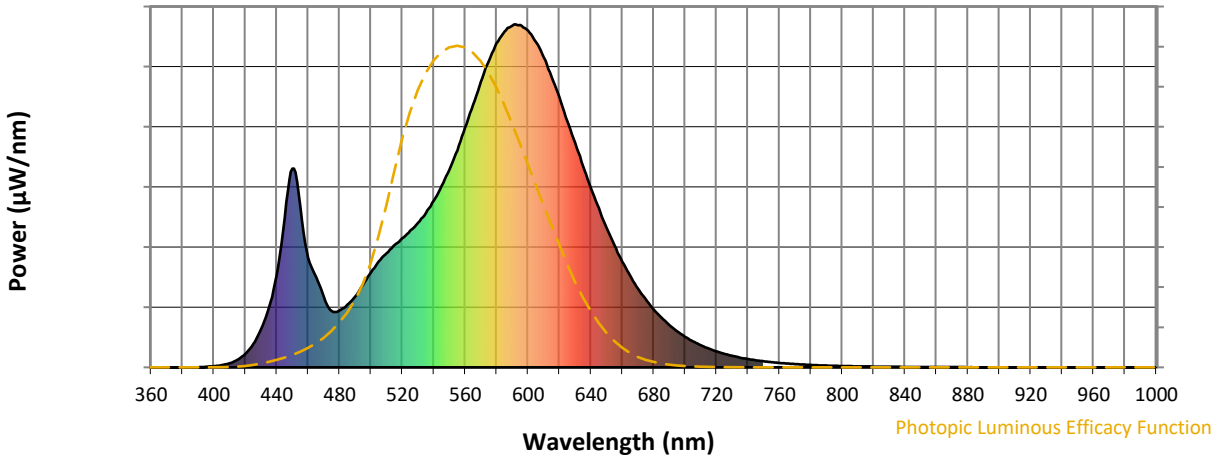


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

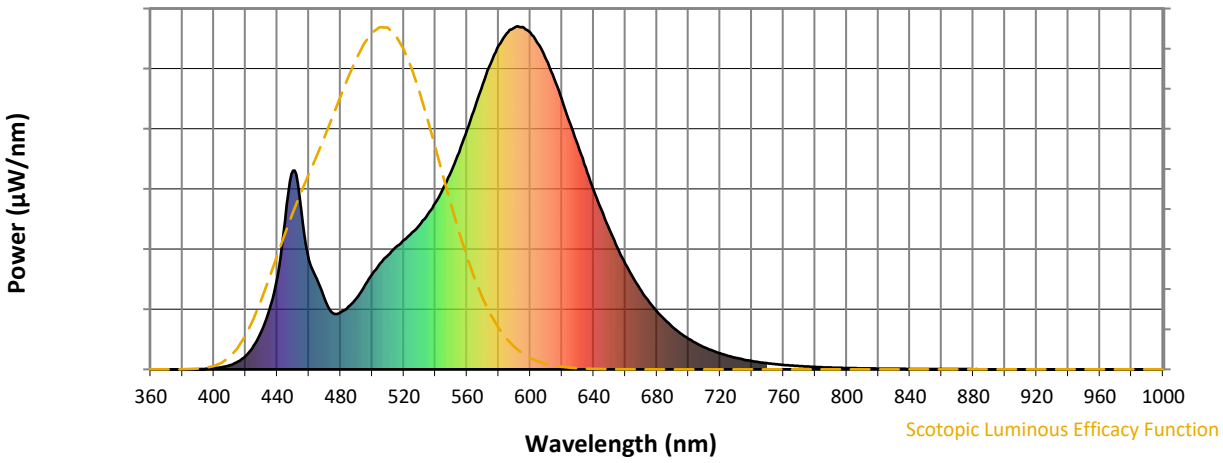


Photopic Lumens: NR

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-4

Scotopic Flux vs. Wavelength

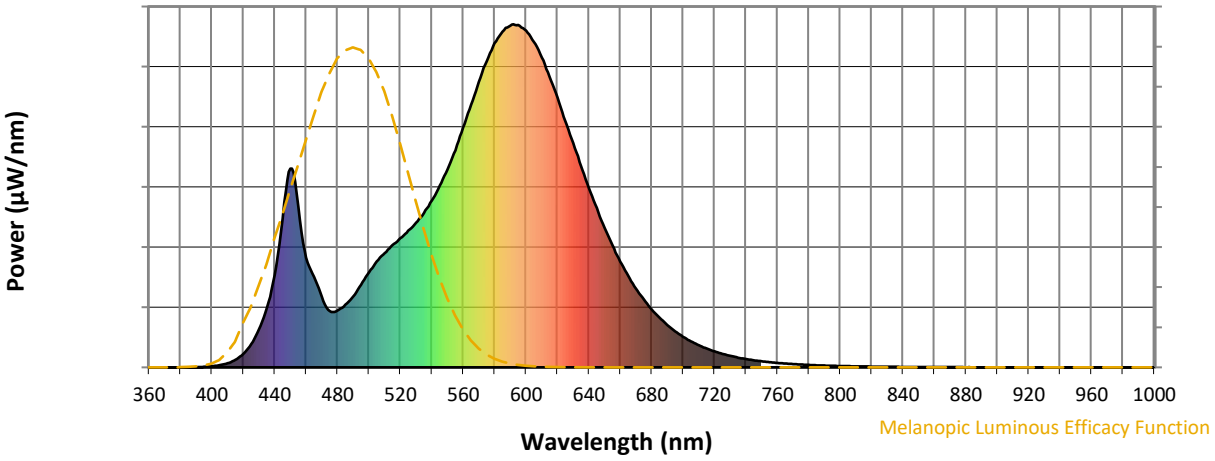


Scotopic Lumens: NR **S/P: 1.29**

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.47**

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

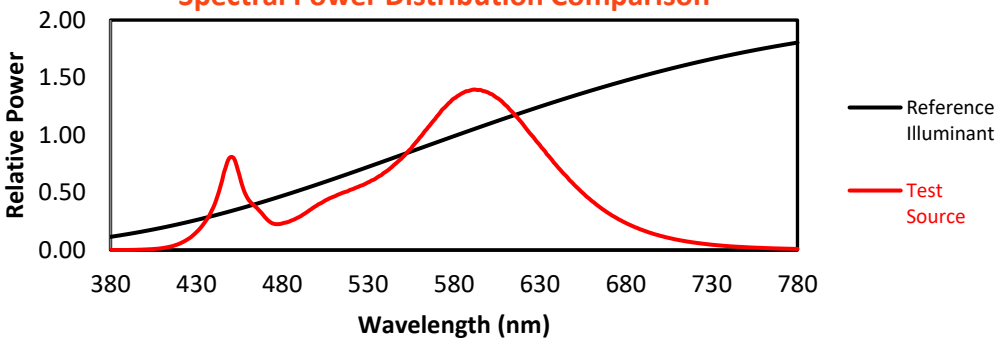
REPORT NUMBER: SP1-2501-332-4

TM-30-18

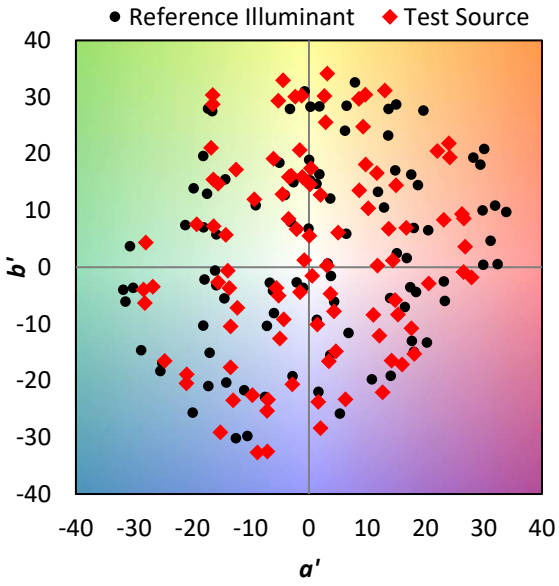
Summary

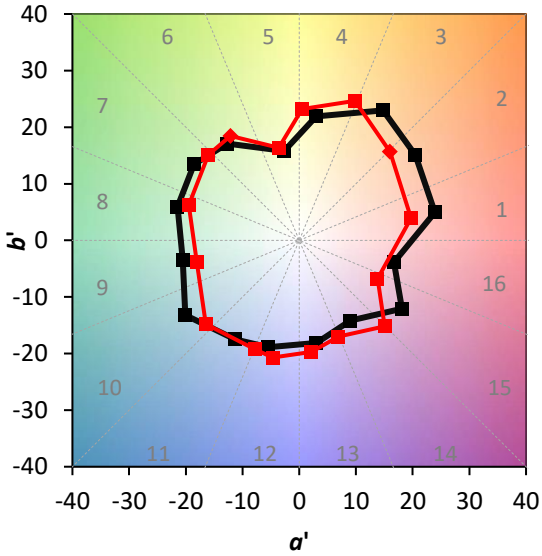
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

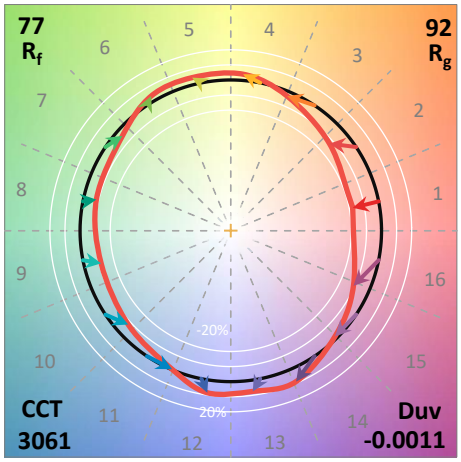
Spectral Power Distribution Comparison

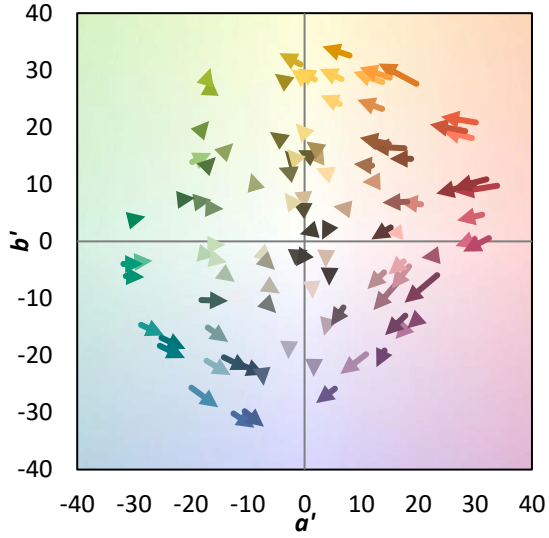


Color Vector Graphics







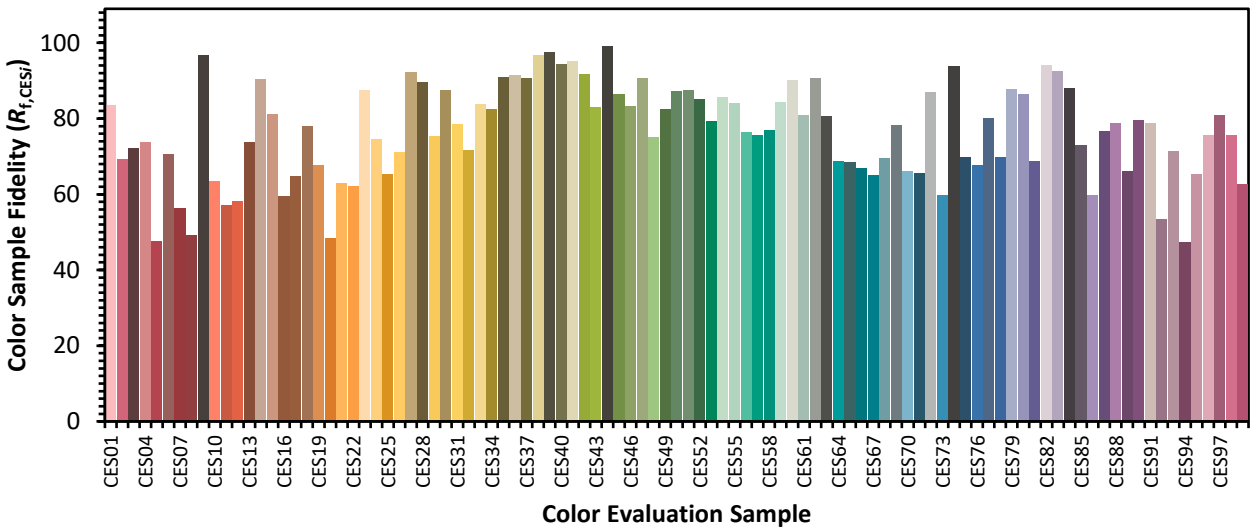


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

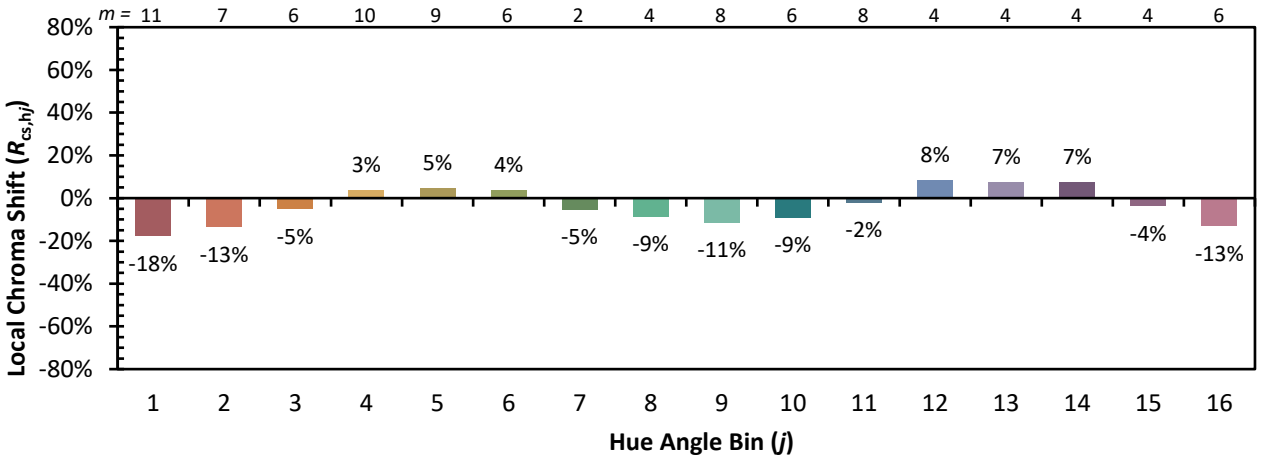
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57 = 76	CES82 = 94
CES08 = 40	CES33 = 84	CES58 = 77	CES83 = 92
CES09 = 29	CES34 = 83	CES59 = 84	CES84 = 88
CES10 = 76	CES35 = 91	CES60 = 90	CES85 = 73
CES11 = 59	CES36 = 92	CES61 = 81	CES86 = 60
CES12 = 65	CES37 = 91	CES62 = 91	CES87 = 77
CES13 = 43	CES38 = 97	CES63 = 81	CES88 = 79
CES14 = 74	CES39 = 98	CES64 = 69	CES89 = 66
CES15 = 71	CES40 = 94	CES65 = 69	CES90 = 80
CES16 = 47	CES41 = 95	CES66 = 67	CES91 = 79
CES17 = 50	CES42 = 92	CES67 = 65	CES92 = 53
CES18 = 56	CES43 = 83	CES68 = 70	CES93 = 71
CES19 = 73	CES44 = 99	CES69 = 78	CES94 = 47
CES20 = 66	CES45 = 87	CES70 = 66	CES95 = 65
CES21 = 87	CES46 = 83	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 91	CES72 = 87	CES97 = 81
CES23 = 92	CES48 = 75	CES73 = 60	CES98 = 76
CES24 = 91	CES49 = 83	CES74 = 94	CES99 = 63
CES25 = 73	CES50 = 87	CES75 = 70	

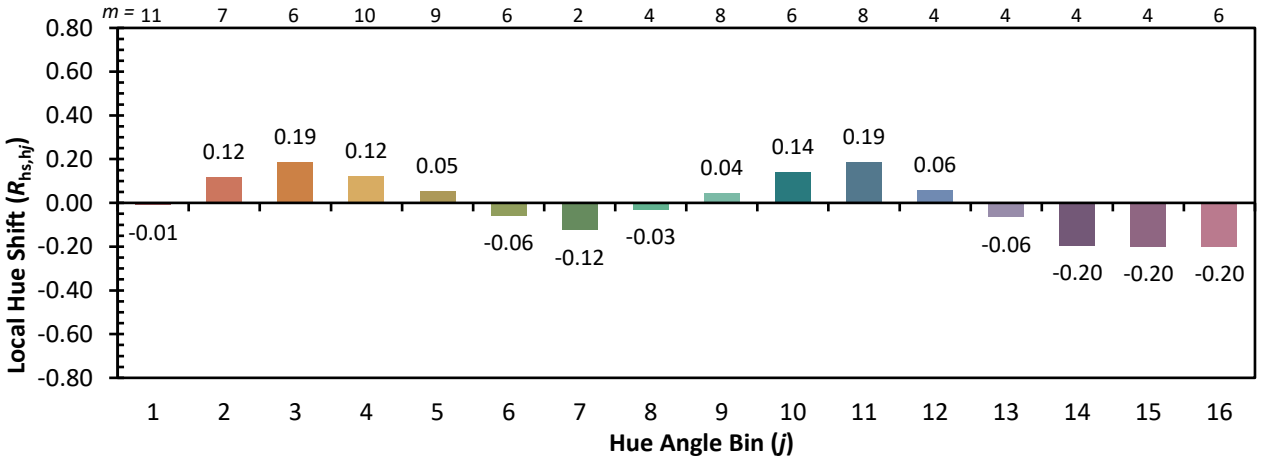


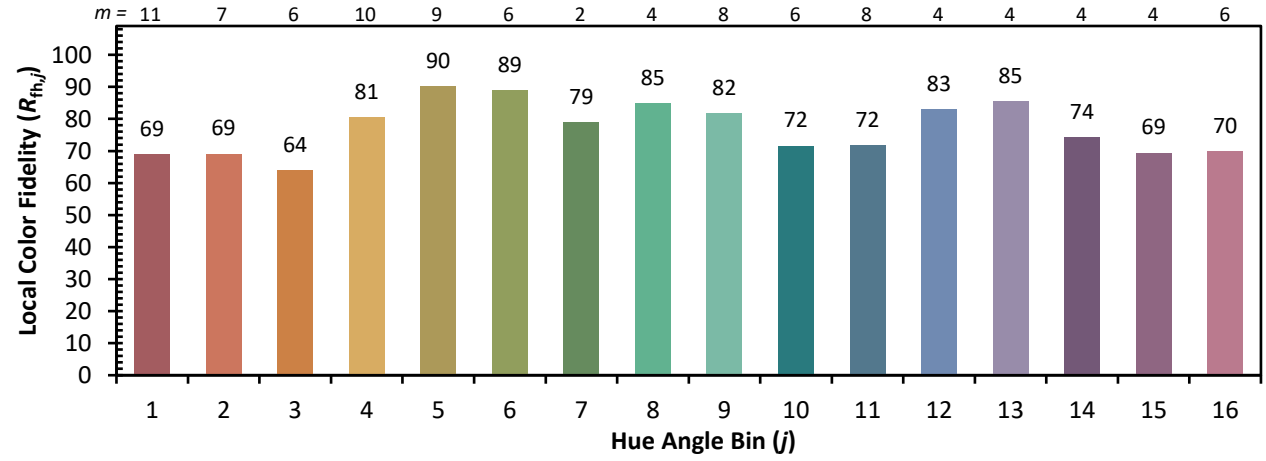
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Color Rendition by Hue-Angle Bin



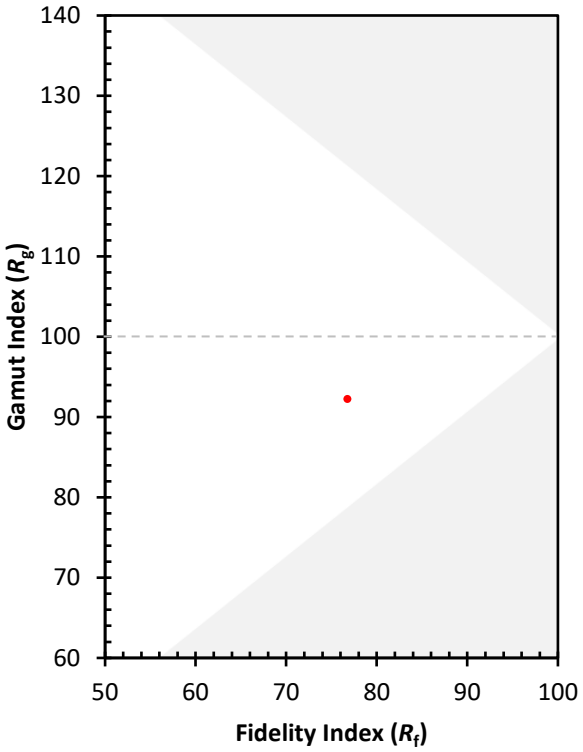


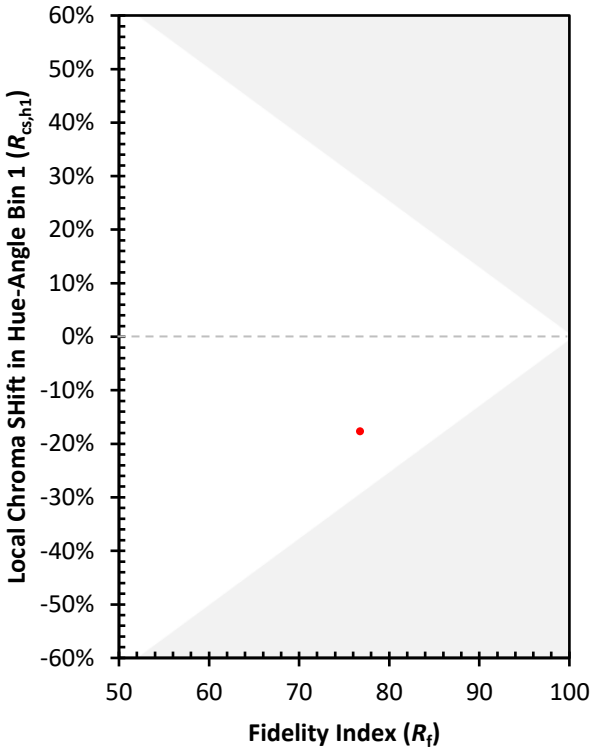


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Measure Comparisons





(END OF REPORT)