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: P1223897

Luminaire Tested: **FFX-CLB-90-730-U-VM9-T4**

Issue Date: 01/27/2026

Report Generated By 670245763

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1223897
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-90-730-U-VM9-T4
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK TYPE 4 DISTRIBUTION
Light Source:	(6) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	13620.8 lumens
Efficiency:	N/A
Efficacy:	150.3 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):	90.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	5.42%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

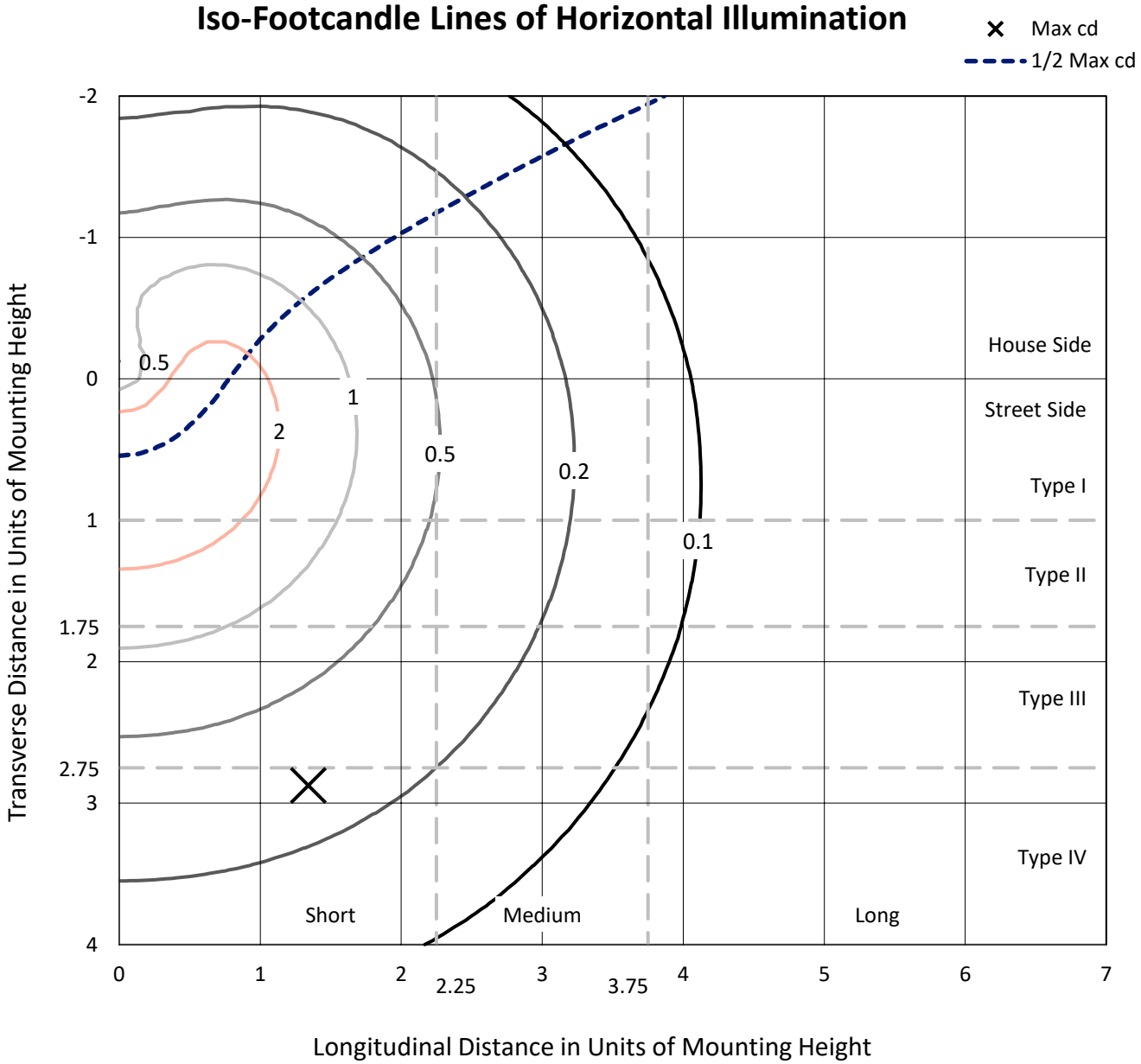


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Iso-Footcandle Lines of Horizontal Illumination



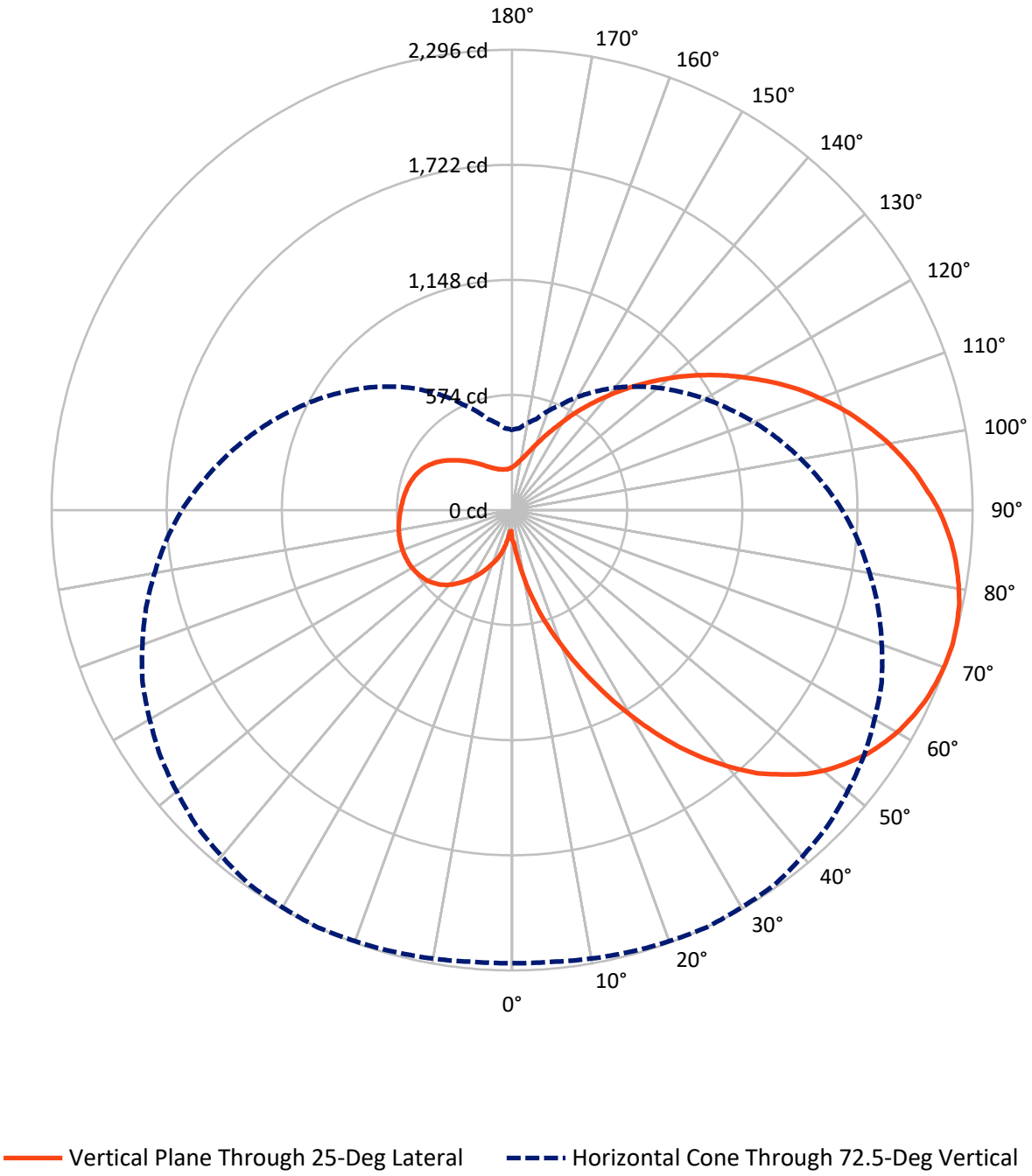
Based on 15 foot mounting height. Maximum calculated value = 3.6 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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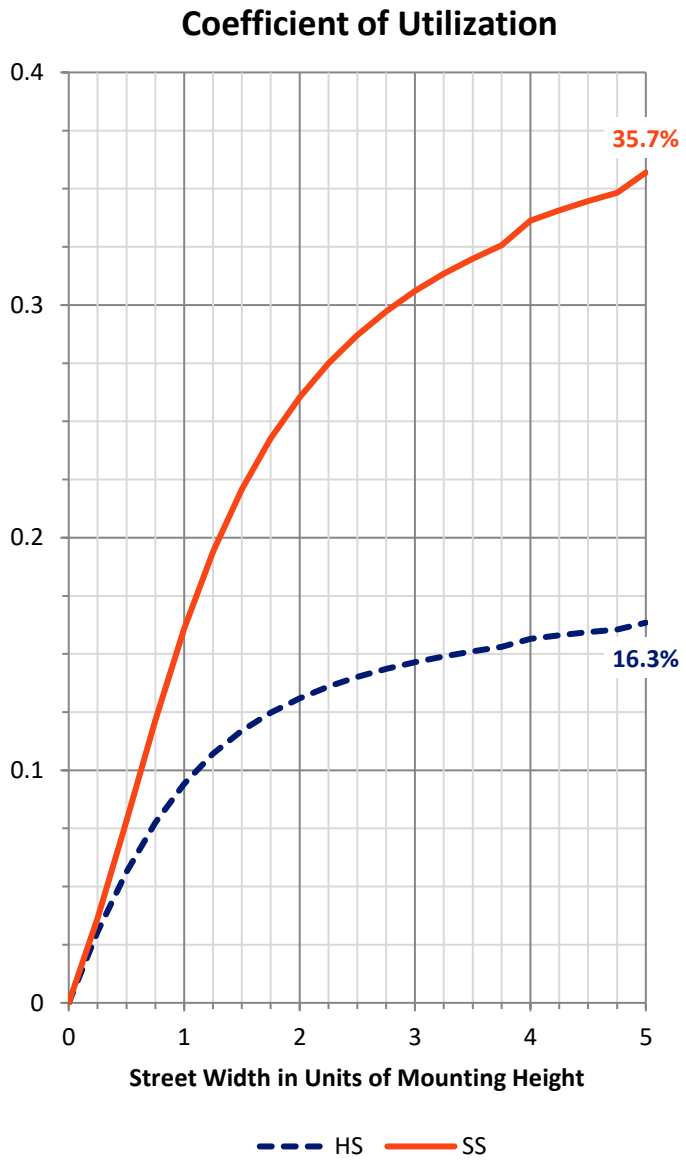
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2454.1	1878.0	4332.1
	% Fixture	18.0	13.8	31.8
Street Side	Lumens	5550.4	3738.4	9288.7
	% Fixture	40.7	27.4	68.2
Total	Lumens	8004.5	5616.3	13620.8
	% Fixture	58.8	41.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.3	0.1
10°-20°	115.6	0.8
20°-30°	315.0	2.3
30°-40°	624.2	4.6
40°-50°	974.5	7.2
50°-60°	1277.3	9.4
60°-70°	1490.5	10.9
70°-80°	1599.3	11.7
80°-90°	1588.7	11.7
90°-100°	1474.0	10.8
100°-110°	1283.5	9.4
110°-120°	1038.5	7.6
120°-130°	764.5	5.6
130°-140°	505.6	3.7
140°-150°	299.1	2.2
150°-160°	157.3	1.2
160°-170°	72.8	0.5
170°-180°	21.0	0.2
0°-90°	8004.5	58.8
0°-180°	13620.8	100.0



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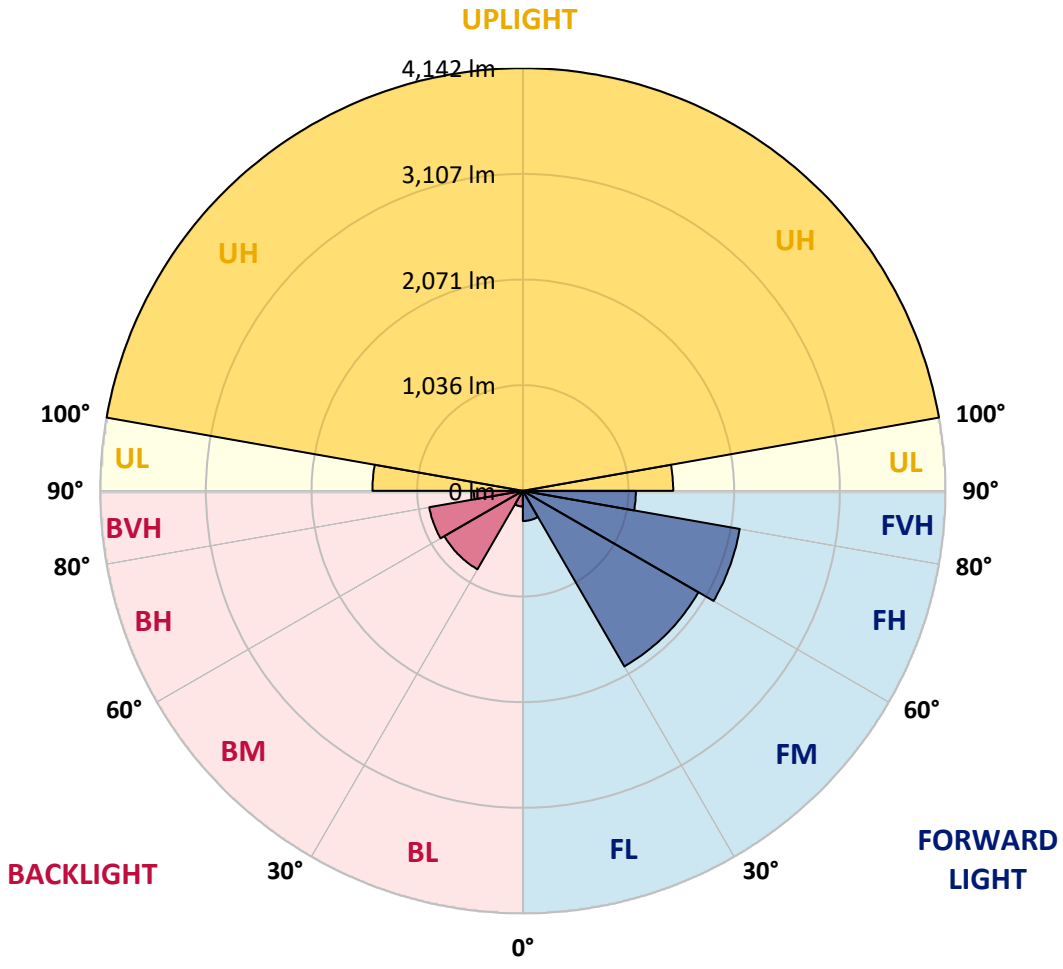
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	295.8	2.2			
FM	(30°-60°)	1987.9	14.6			
FH	(60°-80°)	2159.0	15.9			G2/5000
FVH	(80°-90°)	1107.6	8.1			G5
BL	(0°-30°)	154.1	1.1	B1/500		
BM	(30°-60°)	888.1	6.5	B1/1000		
BH	(60°-80°)	930.8	6.8	B2/1000		G2/1000
BVH	(80°-90°)	481.1	3.5			G3/500
UL	(90°-100°)	1474.0	10.8		U5	
UH	(100°-180°)	4142.4	30.4		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°	148.0	148.0	148.0	*148.0*	148.0	148.0	148.0	148.0	148.0	148.0	148.0
2.5°	159.0	159.0	161.7	*162.7*	163.6	163.6	164.5	163.6	159.9	155.3	152.6
5°	216.9	215.0	214.1	*215.0*	215.0	211.4	205.9	195.7	188.4	176.4	171.9
7.5°	290.4	288.6	285.8	*283.1*	283.1	273.9	264.7	256.4	243.5	227.0	221.5
10°	375.9	372.2	368.5	*363.0*	356.6	348.3	336.4	322.6	305.1	287.6	276.6
12.5°	459.5	458.6	456.7	*448.5*	436.5	429.2	416.3	397.0	375.0	351.1	341.9
15°	556.0	551.4	548.6	*542.2*	534.9	520.2	499.0	480.6	454.9	421.8	410.8
17.5°	645.1	643.3	637.8	*636.0*	624.0	608.4	584.5	556.9	525.7	495.3	478.8
20°	742.6	747.2	740.7	*735.2*	714.1	698.4	676.4	649.7	612.1	568.9	551.4
22.5°	851.0	855.6	845.5	*845.5*	828.0	802.3	771.0	739.8	692.9	647.9	625.8
25°	976.9	978.7	963.1	*956.7*	943.8	918.1	880.4	843.6	789.4	732.4	706.7
27.5°	1096.4	1100.0	1090.9	*1082.6*	1061.5	1036.6	995.3	952.1	890.5	822.5	794.0
30°	1231.5	1224.1	1220.4	*1205.7*	1183.7	1157.9	1112.0	1064.2	993.4	913.5	878.6
32.5°	1350.9	1345.4	1348.2	*1336.2*	1304.1	1275.6	1232.4	1174.5	1091.8	1008.1	968.6
35°	1474.1	1476.8	1473.2	*1460.3*	1441.0	1403.3	1344.5	1279.3	1196.5	1098.2	1055.9
37.5°	1600.0	1593.6	1589.0	*1577.9*	1558.6	1516.4	1458.5	1384.9	1289.4	1185.5	1138.6
40°	1708.4	1713.0	1707.5	*1689.1*	1671.7	1624.8	1561.4	1477.8	1379.4	1268.2	1214.0
42.5°	1811.4	1809.5	1804.9	*1794.8*	1770.9	1721.3	1658.8	1573.3	1462.1	1339.0	1282.0
45°	1894.1	1895.9	1895.9	*1881.2*	1859.1	1814.1	1742.4	1655.1	1536.6	1407.0	1347.3
47.5°	1973.1	1975.9	1974.0	*1967.6*	1943.7	1890.4	1817.8	1727.7	1601.8	1468.6	1401.5
50°	2042.9	2042.9	2042.0	*2036.5*	2013.5	1962.1	1887.6	1791.1	1660.6	1520.0	1453.9
52.5°	2100.8	2099.9	2100.8	*2094.4*	2070.5	2023.6	1946.5	1843.5	1713.0	1563.2	1498.9
55°	2146.8	2144.0	2150.5	*2147.7*	2126.6	2074.2	1992.4	1892.2	1757.1	1604.6	1536.6
57.5°	2183.6	2182.6	2190.9	*2188.2*	2167.0	2114.6	2033.8	1931.7	1793.9	1638.6	1564.1
60°	2213.9	2212.0	2223.1	*2223.1*	2201.9	2149.6	2069.6	1962.1	1823.3	1665.2	1589.9
62.5°	2235.0	2235.9	2246.0	*2249.7*	2231.3	2178.0	2094.4	1988.7	1847.2	1686.4	1610.1
65°	2249.7	2251.6	2263.5	*2270.9*	2252.5	2200.1	2113.7	2008.0	1866.5	1703.8	1625.7
67.5°	2258.9	2259.8	2276.4	*2283.7*	2269.0	2213.9	2130.3	2021.8	1879.4	1714.9	1637.7
70°	2262.6	2263.5	2281.9	*2292.9*	2278.2	2222.2	2137.6	2029.2	1887.6	1722.2	1644.1
72.5°	*2259.8*	*2261.7*	*2281.0*	*2295.7*	*2281.0*	*2225.8*	*2140.4*	*2032.8*	*1889.5*	*1730.5*	*1645.9*
75°	2250.6	2252.5	2274.5	*2289.2*	2278.2	2221.2	2135.8	2029.2	1886.7	1723.1	1643.2
77.5°	2235.0	2237.8	2260.8	*2279.1*	2266.3	2212.0	2126.6	2019.1	1876.6	1713.9	1633.1
80°	2212.0	2213.0	2238.7	*2257.1*	2247.9	2193.7	2108.2	2001.6	1860.1	1698.3	1619.3
82.5°	2182.6	2186.3	2211.1	*2231.3*	2223.1	2167.0	2084.3	1979.5	1838.9	1679.0	1599.1
85°	2151.4	2155.1	2178.0	*2200.1*	2190.0	2137.6	2054.9	1951.0	1810.4	1652.4	1576.1
87.5°	2113.7	2116.5	2138.5	*2161.5*	2152.3	2099.9	2020.0	1918.0	1781.0	1627.6	1549.4
90°	2072.4	2075.1	2096.2	*2118.3*	2106.4	2056.7	1978.6	1878.4	1745.2	1594.5	1519.1
92.5°	2028.2	2029.2	2053.1	*2065.0*	2058.6	2014.5	1937.3	1840.8	1707.5	1560.5	1489.7
95°	1978.6	1978.6	2001.6	*2014.5*	2003.4	1962.1	1889.5	1793.0	1663.4	1525.5	1452.9
97.5°	1924.4	1926.2	1943.7	*1956.6*	1952.9	1909.7	1840.8	1748.9	1624.8	1487.9	1418.9
100°	1868.3	1868.3	1884.0	*1895.0*	1886.7	1851.8	1786.5	1702.0	1576.1	1447.4	1380.3
102.5°	1809.5	1808.6	1821.5	*1829.7*	1824.2	1792.1	1731.4	1647.8	1530.1	1405.2	1341.7
105°	1744.3	1741.5	1754.4	*1763.6*	1758.1	1729.6	1678.1	1597.2	1483.3	1363.8	1303.1
107.5°	1674.4	1679.0	1686.4	*1691.9*	1687.3	1662.5	1613.8	1542.1	1434.6	1320.6	1261.8
110°	1608.3	1611.0	1611.9	*1618.4*	1617.4	1597.2	1555.9	1484.2	1382.2	1274.7	1217.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1541.2	1540.3	1541.2	*1545.8*	1545.8	1525.5	1486.0	1423.5	1330.7	1226.0	1173.6
115°	1468.6	1464.9	1465.8	*1466.7*	1470.4	1454.8	1420.8	1362.0	1271.0	1178.2	1126.7
117.5°	1393.2	1392.3	1390.5	*1387.7*	1387.7	1381.3	1351.9	1299.5	1213.1	1121.2	1078.0
120°	1321.5	1317.9	1313.3	*1310.5*	1312.3	1305.0	1281.1	1228.7	1152.4	1069.7	1026.5
122.5°	1238.8	1241.6	1238.8	*1235.1*	1236.1	1228.7	1208.5	1164.4	1088.1	1009.1	970.5
125°	1168.1	1167.1	1163.5	*1157.9*	1157.9	1155.2	1133.1	1094.5	1026.5	951.2	915.3
127.5°	1089.0	1089.9	1086.3	*1083.5*	1085.3	1079.8	1065.1	1021.0	961.3	894.2	859.3
130°	1014.6	1013.7	1012.7	*1007.2*	1011.8	1001.7	988.8	952.1	895.1	838.1	806.0
132.5°	944.7	939.2	935.5	*934.6*	933.7	932.8	917.2	885.0	837.2	780.2	749.0
135°	874.9	870.3	865.7	*863.9*	865.7	861.1	847.3	820.7	776.6	721.4	697.5
137.5°	803.2	801.4	801.4	*796.8*	796.8	793.1	781.2	759.1	717.7	670.0	646.1
140°	738.9	735.2	733.4	*730.6*	733.4	729.7	716.8	695.7	660.8	619.4	596.4
142.5°	672.7	669.0	671.8	*669.0*	666.3	664.4	653.4	636.9	606.5	568.9	549.6
145°	611.1	611.1	609.3	*610.2*	608.4	606.5	595.5	579.9	554.2	519.2	505.5
147.5°	553.2	555.1	553.2	*555.1*	555.1	547.7	540.4	527.5	503.6	476.0	461.3
150°	499.0	501.8	499.9	*499.0*	499.9	496.3	486.2	478.8	457.7	433.8	419.1
152.5°	453.1	454.9	454.9	*453.1*	452.2	450.3	440.2	430.1	413.6	395.2	385.1
155°	409.9	409.9	410.8	*411.7*	409.0	403.4	399.8	391.5	376.8	360.2	350.1
157.5°	374.0	373.1	374.0	*373.1*	372.2	366.7	361.2	354.7	342.8	328.1	322.6
160°	340.0	340.0	341.0	*340.0*	336.4	333.6	329.0	323.5	313.4	303.3	295.9
162.5°	312.5	312.5	312.5	*311.5*	307.9	306.9	301.4	295.9	287.6	279.4	273.9
165°	288.6	288.6	287.6	*287.6*	285.8	283.1	278.5	273.9	266.5	260.1	256.4
167.5°	269.3	268.3	267.4	*266.5*	265.6	262.8	258.2	255.5	250.0	244.5	241.7
170°	252.7	252.7	251.8	*251.8*	250.0	247.2	244.5	240.8	237.1	231.6	229.8
172.5°	238.0	238.0	238.0	*238.0*	235.3	234.3	231.6	228.8	226.1	222.4	220.6
175°	227.0	227.0	227.0	*227.0*	225.2	223.3	222.4	219.6	217.8	215.0	214.1
177.5°	218.7	218.7	218.7	*218.7*	217.8	216.0	215.0	213.2	211.4	210.5	209.5
180°	211.4	211.4	211.4	*211.4*	211.4	211.4	211.4	211.4	211.4	211.4	211.4

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	148.0	148.0	148.0	148.0	148.0	148.0	148.0	148.0	148.0	148.0
2.5°	149.8	144.3	136.9	128.7	122.2	114.0	105.7	101.1	98.3	96.5
5°	167.3	155.3	144.3	132.3	123.1	114.9	105.7	98.3	94.7	93.7
7.5°	213.2	196.7	180.1	165.4	152.6	139.7	130.5	123.1	118.6	118.6
10°	268.3	245.4	226.1	206.8	189.3	173.7	160.8	153.5	148.0	146.1
12.5°	330.8	303.3	276.6	254.6	228.8	211.4	195.7	185.6	179.2	178.3
15°	396.1	367.6	333.6	303.3	274.8	247.2	228.8	214.1	208.6	208.6
17.5°	458.6	421.8	384.1	347.4	312.5	280.3	254.6	238.0	229.8	227.9
20°	525.7	481.6	432.9	389.7	346.5	308.8	278.5	257.3	246.3	245.4
22.5°	594.6	543.1	490.7	433.8	384.1	339.1	303.3	278.5	264.7	262.8
25°	673.6	611.1	548.6	486.2	426.4	373.1	330.8	300.5	284.9	283.1
27.5°	760.9	682.8	608.4	536.7	466.9	408.0	357.5	322.6	303.3	302.4
30°	840.9	754.5	670.0	587.2	511.0	440.2	384.1	343.7	322.6	319.8
32.5°	920.8	825.3	729.7	638.7	550.5	474.2	410.8	363.9	339.1	337.3
35°	1003.6	895.1	791.3	686.5	594.6	508.2	435.6	384.1	357.5	353.8
37.5°	1080.7	964.0	850.1	738.9	633.2	539.5	459.5	403.4	373.1	368.5
40°	1151.5	1025.6	903.4	783.9	670.0	568.9	482.5	420.0	386.0	382.3
42.5°	1216.8	1083.5	952.1	823.4	704.0	594.6	501.8	433.8	396.1	392.4
45°	1278.3	1137.7	997.1	860.2	733.4	618.5	520.2	446.6	406.2	400.7
47.5°	1330.7	1183.7	1033.0	891.4	760.0	638.7	533.9	455.8	413.6	408.0
50°	1377.6	1222.3	1067.0	921.8	783.0	657.1	546.8	463.2	417.2	411.7
52.5°	1415.3	1258.1	1096.4	945.7	804.1	671.8	556.0	469.6	420.9	415.4
55°	1452.0	1287.5	1122.1	966.8	819.8	685.6	563.3	473.3	422.7	416.3
57.5°	1482.4	1312.3	1143.2	983.3	835.4	694.8	569.8	475.1	422.7	415.4
60°	1504.4	1331.6	1159.8	997.1	845.5	703.0	574.4	476.0	421.8	414.5
62.5°	1523.7	1347.3	1171.7	1009.1	855.6	709.5	579.0	477.0	420.0	412.6
65°	1538.4	1360.1	1181.8	1016.4	862.0	715.0	579.9	476.0	417.2	409.9
67.5°	1550.4	1368.4	1188.3	1022.9	866.6	717.7	581.7	475.1	415.4	407.1
70°	1555.0	1372.1	1191.9	1025.6	869.4	719.6	581.7	473.3	411.7	403.4
72.5°	*1554.0*	*1372.1*	*1192.9*	*1026.5*	*870.3*	*720.5*	*580.8*	*470.5*	*409.0*	*400.7*
75°	1551.3	1369.3	1191.0	1025.6	869.4	719.6	579.9	468.7	406.2	398.8
77.5°	1543.9	1362.0	1184.6	1021.9	867.5	716.8	577.1	466.9	404.4	395.2
80°	1531.1	1350.9	1175.4	1013.7	861.1	714.1	574.4	463.2	400.7	393.3
82.5°	1512.7	1337.2	1164.4	1006.3	855.6	708.6	570.7	461.3	398.8	391.5
85°	1491.5	1319.7	1149.7	995.3	847.3	703.0	566.1	457.7	397.0	389.7
87.5°	1465.8	1296.7	1135.0	982.4	837.2	695.7	561.5	454.9	396.1	388.7
90°	1439.2	1275.6	1116.6	970.5	828.9	688.3	556.9	453.1	395.2	388.7
92.5°	1409.8	1252.6	1099.1	954.8	817.9	681.0	552.3	451.2	395.2	388.7
95°	1380.3	1228.7	1081.7	941.1	806.9	673.6	547.7	450.3	397.0	390.6
97.5°	1345.4	1201.1	1060.5	926.4	794.0	665.4	544.1	449.4	397.9	392.4
100°	1312.3	1173.6	1038.5	909.8	782.1	656.2	538.5	448.5	399.8	393.3
102.5°	1276.5	1146.9	1016.4	892.4	769.2	646.1	533.9	447.6	401.6	396.1
105°	1240.7	1114.8	992.5	872.1	753.6	636.0	528.4	446.6	402.5	397.0
107.5°	1201.1	1084.4	965.9	852.8	738.0	624.9	521.1	444.8	403.4	397.9
110°	1160.7	1048.6	938.3	830.8	719.6	611.1	513.7	440.2	402.5	397.9

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

Scaled Data Report

REPORT NUMBER: P1223897
CATALOG NUMBER: FFX-CLB-90-730-U-VM9-T4

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1122.1	1014.6	908.0	806.0	700.3	597.4	503.6	435.6	399.8	396.1
115°	1074.3	976.0	875.8	779.3	678.2	579.9	492.6	429.2	396.1	391.5
117.5°	1030.2	935.5	841.8	750.8	655.3	562.4	479.7	420.9	389.7	386.0
120°	980.6	892.4	805.0	718.7	629.5	542.2	464.1	410.8	381.4	378.6
122.5°	931.9	850.1	767.4	685.6	601.9	519.2	448.5	397.9	372.2	369.4
125°	880.4	805.0	727.9	650.7	571.6	495.3	430.1	383.2	360.2	357.5
127.5°	828.0	758.2	685.6	613.9	542.2	471.4	410.8	368.5	346.5	345.5
130°	772.9	710.4	644.2	578.1	511.9	446.6	390.6	352.9	332.7	330.8
132.5°	723.3	665.4	603.8	541.3	478.8	421.8	371.3	336.4	318.9	317.1
135°	674.5	616.7	563.3	508.2	450.3	397.0	352.0	320.7	305.1	303.3
137.5°	624.9	574.4	524.8	473.3	420.9	373.1	333.6	306.0	292.2	290.4
140°	575.3	533.0	488.0	439.3	394.3	351.1	315.2	292.2	279.4	277.5
142.5°	530.3	489.8	449.4	407.1	366.7	329.9	298.7	276.6	265.6	264.7
145°	486.2	451.2	414.5	376.8	341.9	311.5	283.1	264.7	255.5	254.6
147.5°	446.6	415.4	382.3	350.1	319.8	291.3	268.3	252.7	243.5	242.6
150°	407.1	379.5	352.0	324.4	298.7	274.8	254.6	241.7	235.3	233.4
152.5°	372.2	350.1	325.3	302.4	279.4	259.2	243.5	231.6	226.1	225.2
155°	341.0	322.6	302.4	282.1	263.8	247.2	233.4	224.2	219.6	219.6
157.5°	314.3	298.7	282.1	265.6	250.9	237.1	226.1	218.7	215.0	214.1
160°	290.4	276.6	263.8	251.8	238.0	227.9	219.6	213.2	210.5	209.5
162.5°	268.3	259.2	249.1	238.9	228.8	220.6	214.1	209.5	207.7	207.7
165°	252.7	244.5	236.2	228.8	221.5	216.0	210.5	207.7	205.9	204.9
167.5°	238.9	232.5	227.0	221.5	216.0	211.4	207.7	205.9	204.0	204.0
170°	227.9	223.3	219.6	216.0	212.3	208.6	206.8	204.9	204.0	204.0
172.5°	218.7	216.0	213.2	211.4	208.6	206.8	204.9	204.0	204.0	204.0
175°	213.2	211.4	209.5	208.6	207.7	206.8	205.9	204.9	204.9	204.9
177.5°	209.5	208.6	208.6	207.7	207.7	207.7	207.7	207.7	207.7	207.7
180°	211.4	211.4	211.4	211.4	211.4	211.4	211.4	211.4	211.4	211.4

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

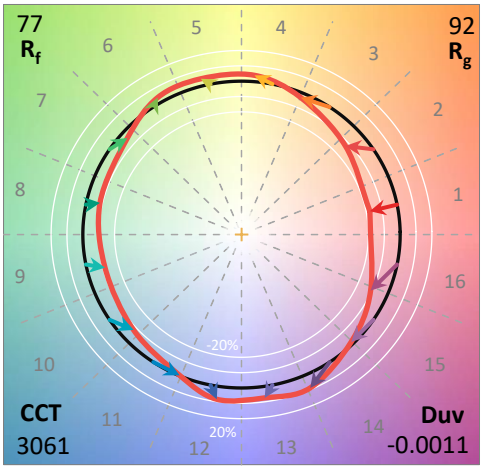
Test Information

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

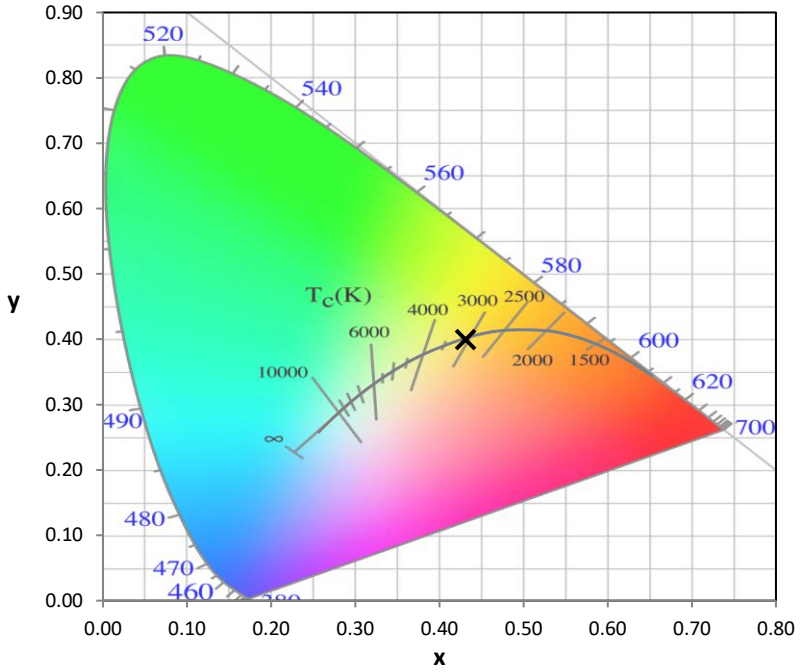
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

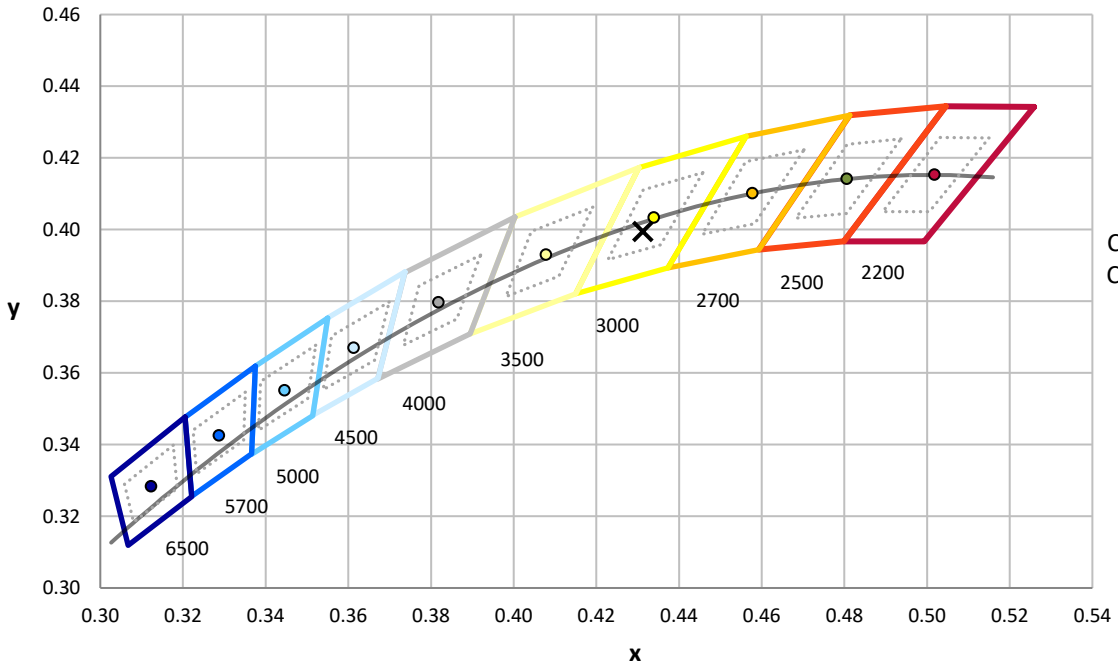
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

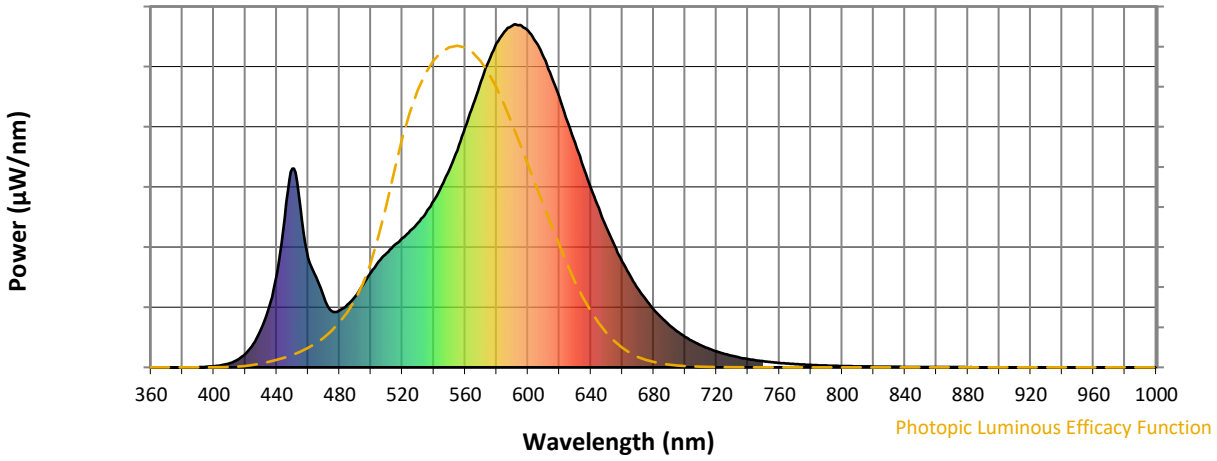


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

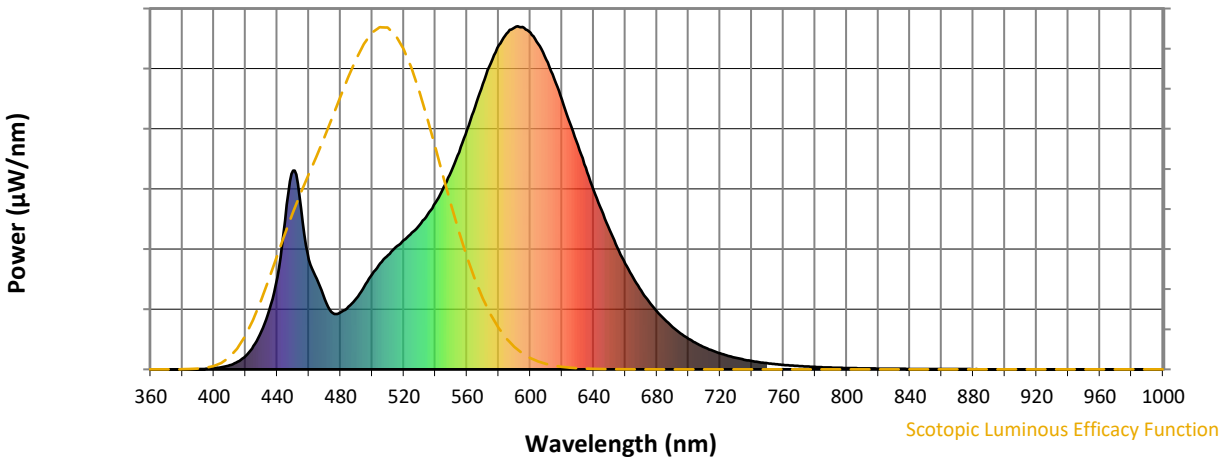


Photopic Lumens: NR

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

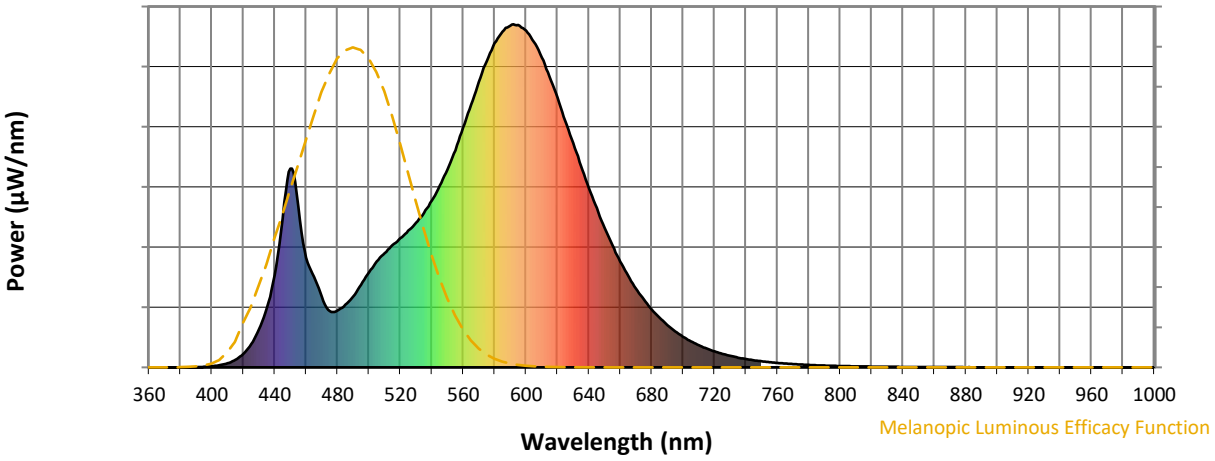


Scotopic Lumens: NR **S/P: 1.29**

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			

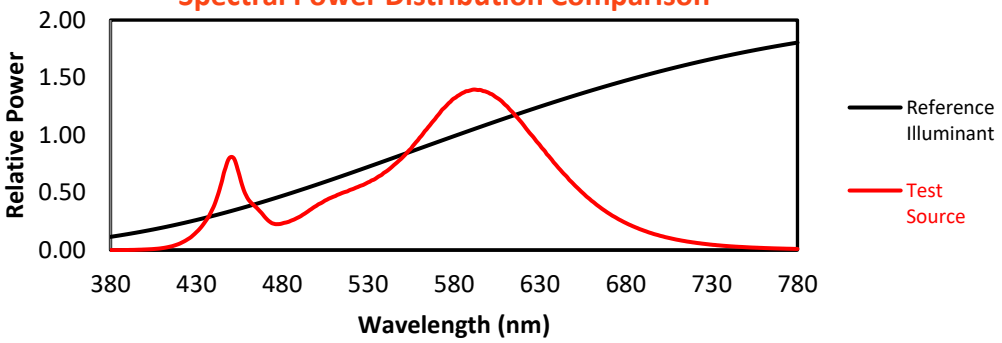
REPORT NUMBER: SP1-2501-332-4

TM-30-18

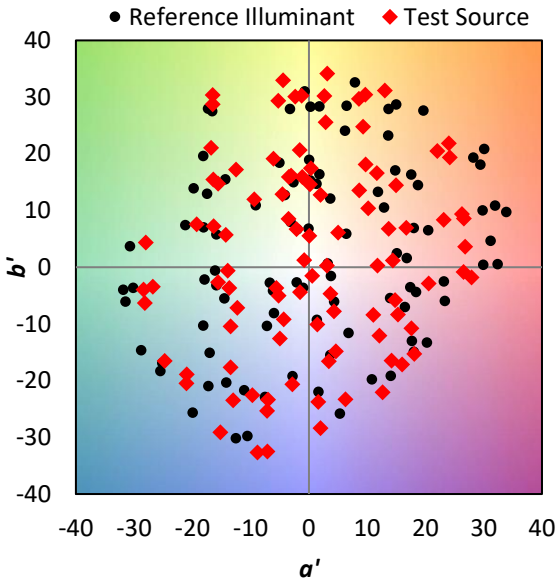
Summary

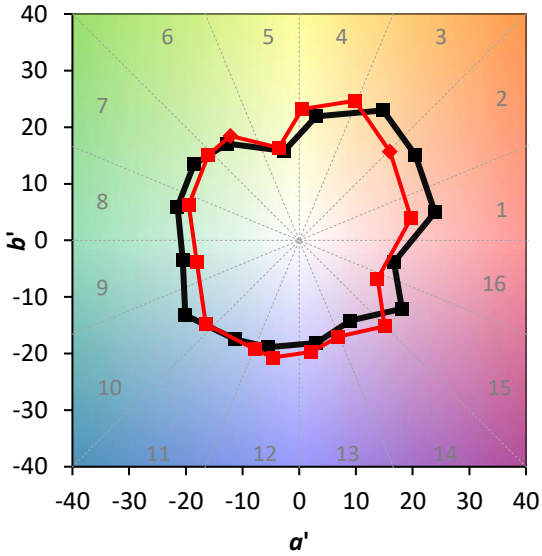
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

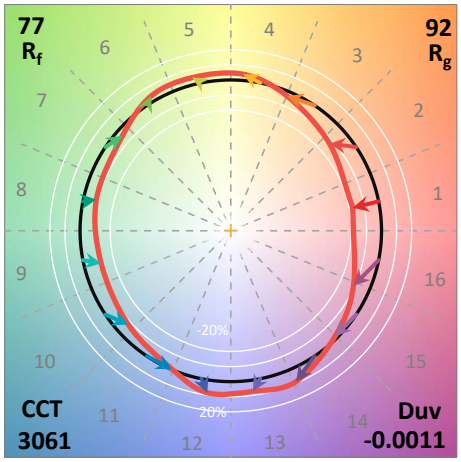
Spectral Power Distribution Comparison

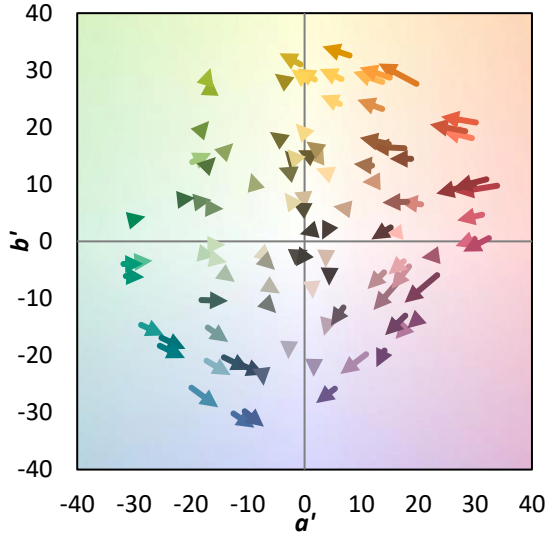


Color Vector Graphics







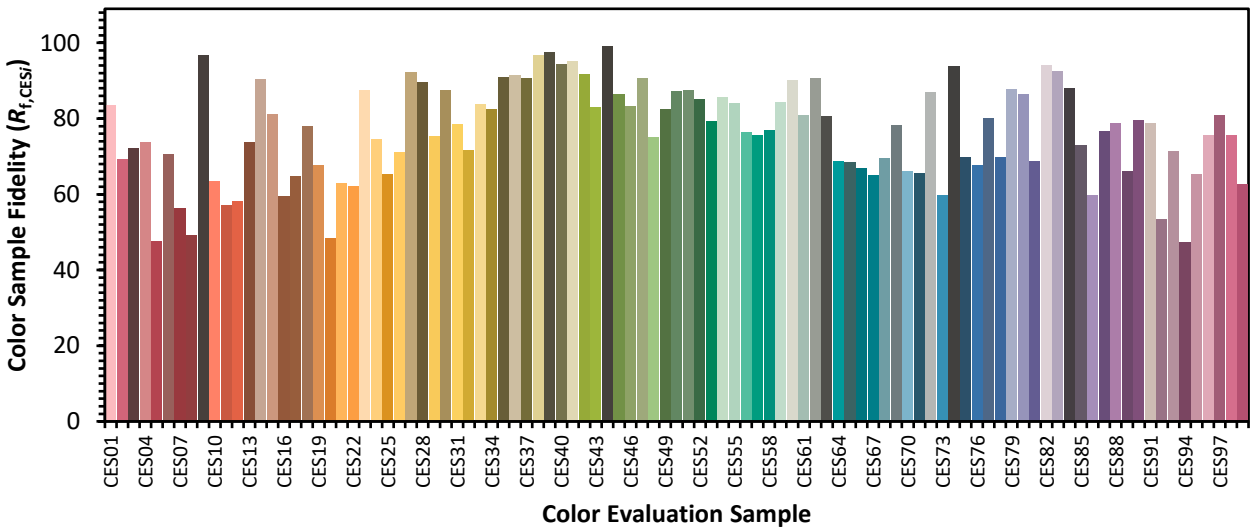


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

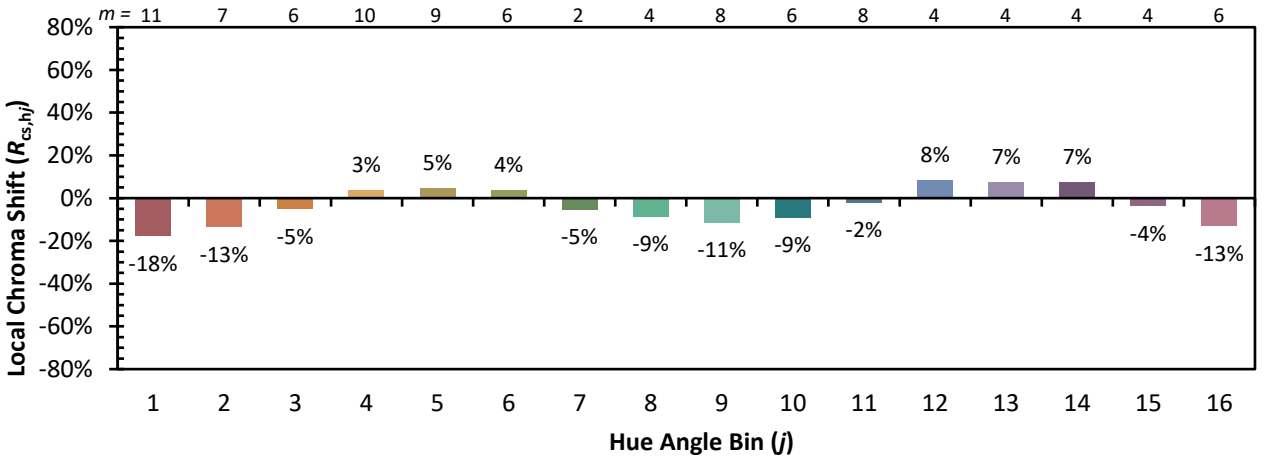
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57 = 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	

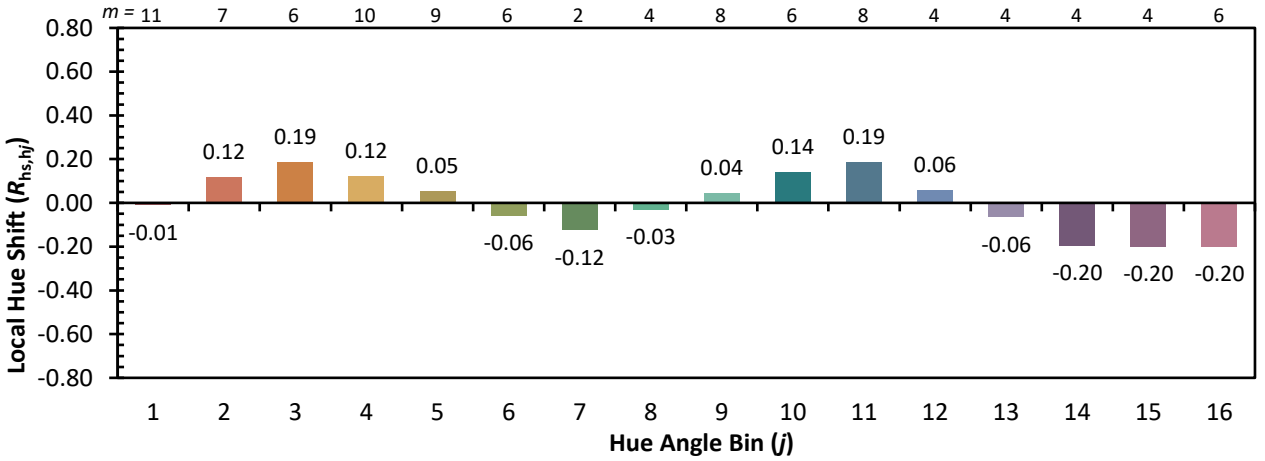


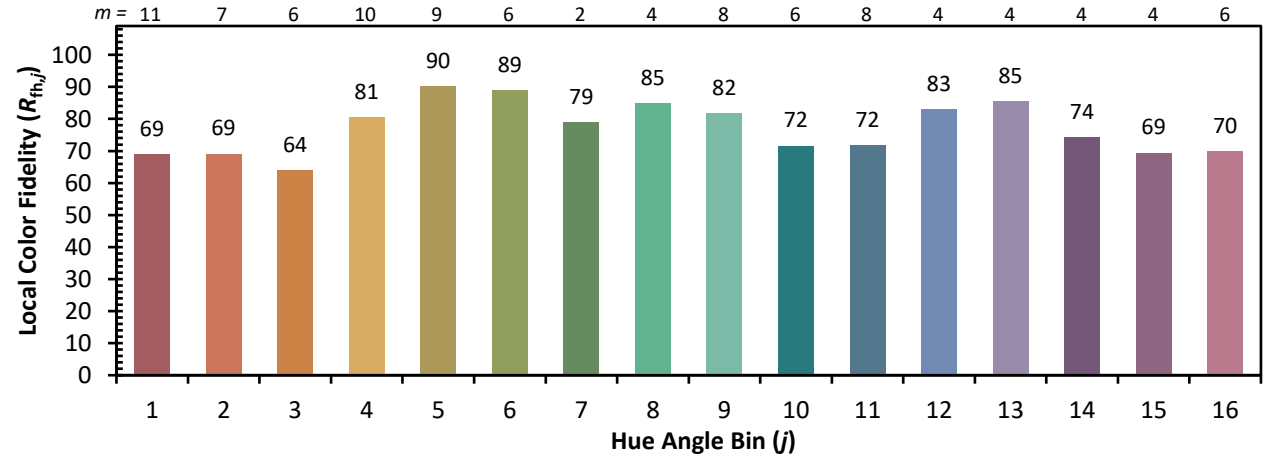
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Color Rendition by Hue-Angle Bin



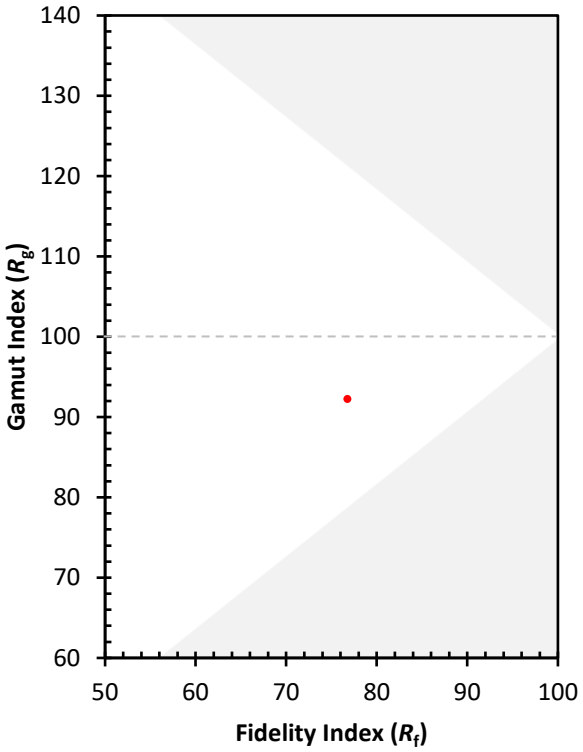


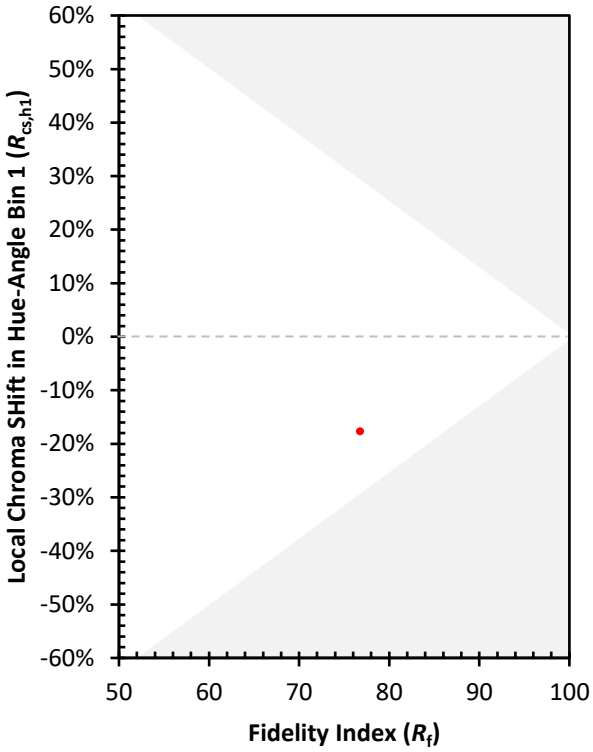


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Measure Comparisons





(END OF REPORT)