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: P1223988

Luminaire Tested: **FFX-CLB-80-730-U-VM8-T4**

Issue Date: 01/27/2026

Report Generated By 670245763

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1223988
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-VM8-T4
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 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:	12078.7 lumens
Efficiency:	N/A
Efficacy:	147.7 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

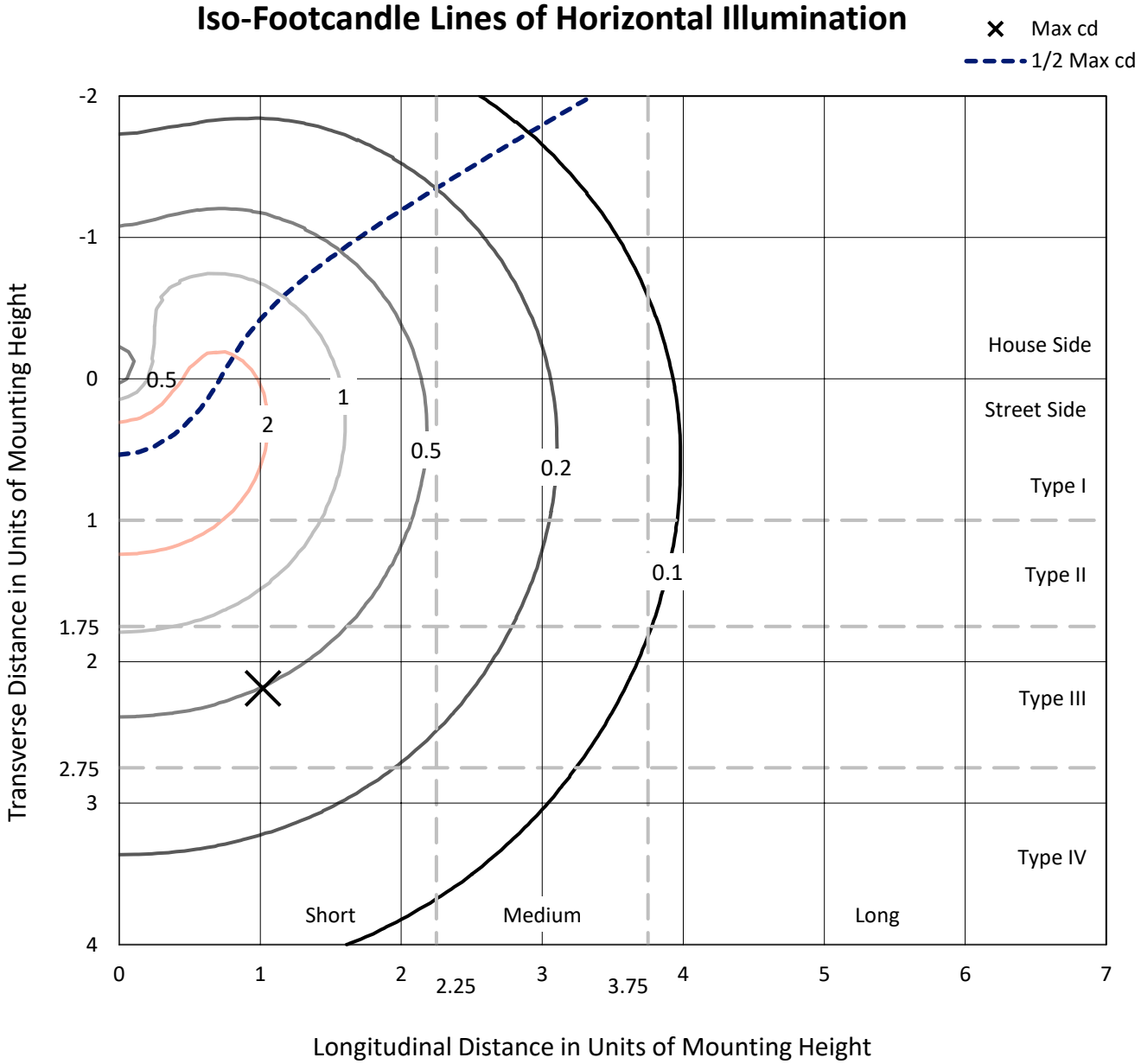


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Iso-Footcandle Lines of Horizontal Illumination



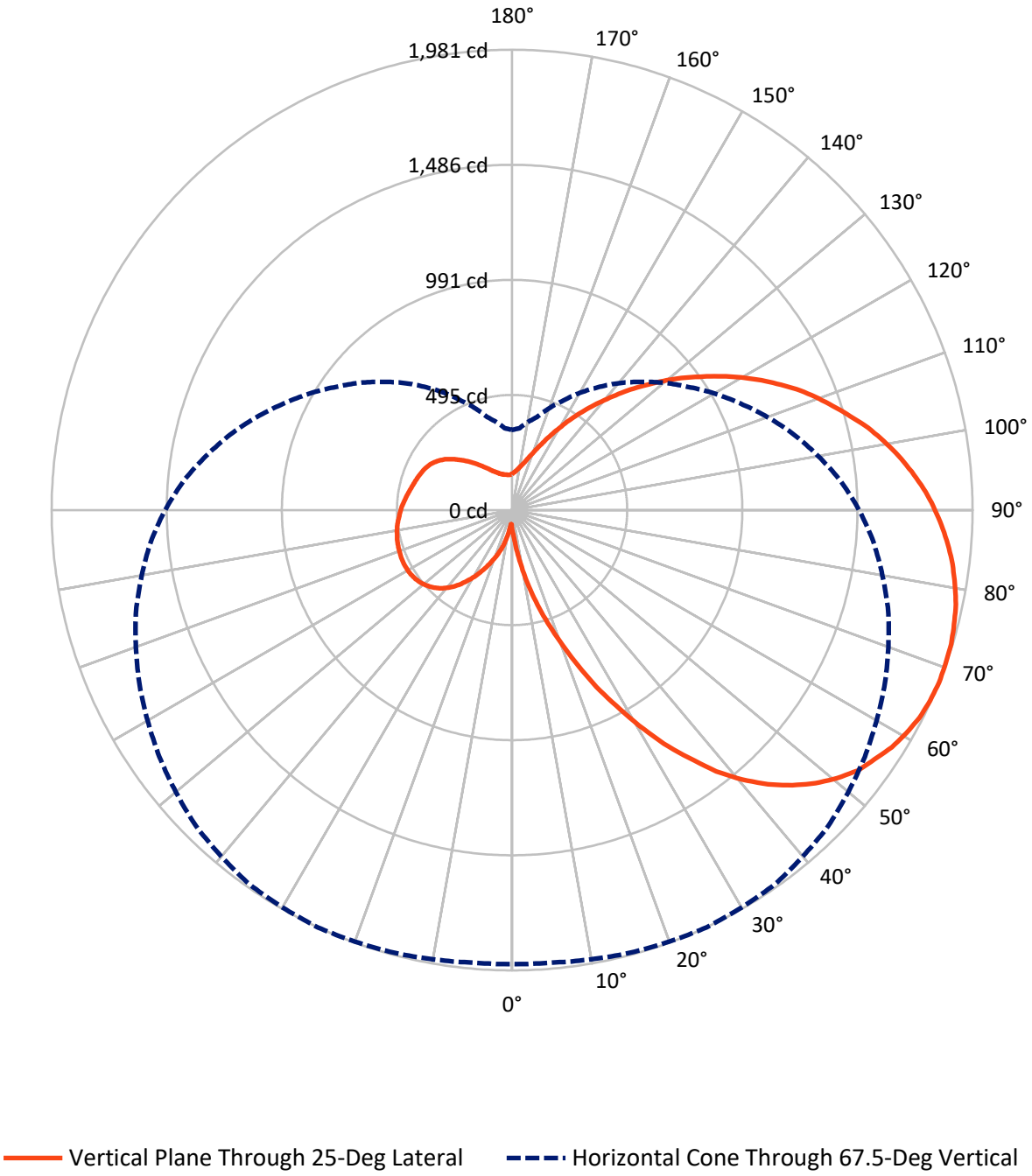
Based on 15 foot mounting height. Maximum calculated value = 3.2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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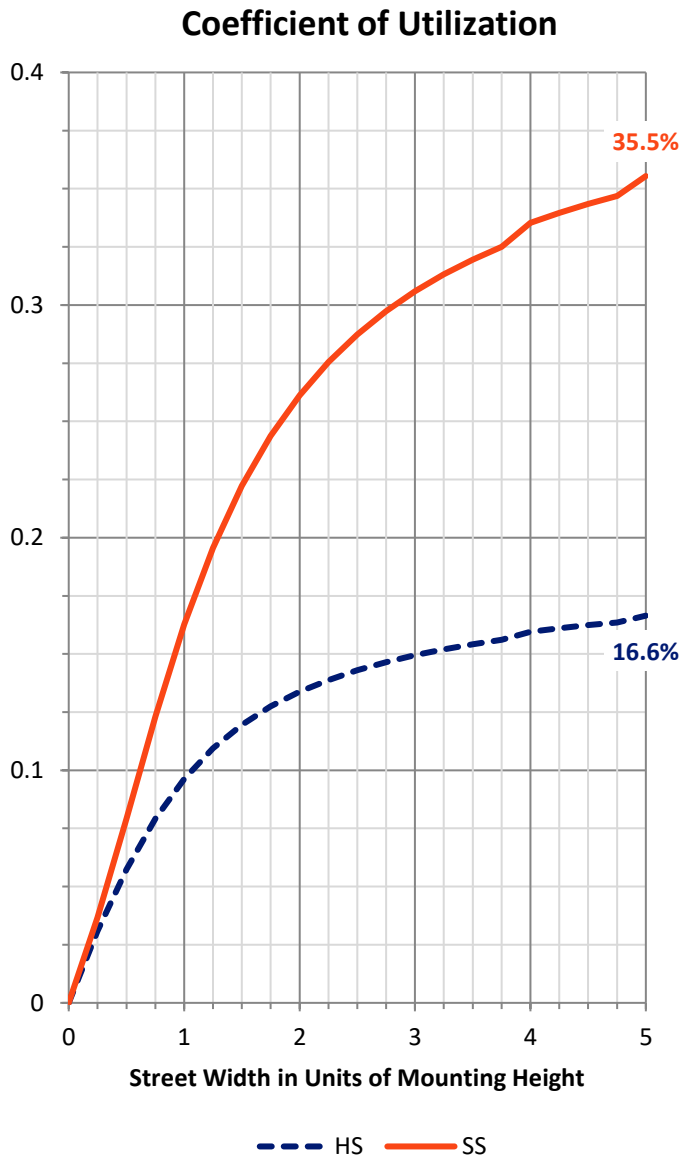
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2212.1	1690.8	3902.9
	% Fixture	18.3	14.0	32.3
Street Side	Lumens	4887.8	3288.0	8175.8
	% Fixture	40.5	27.2	67.7
Total	Lumens	7099.9	4978.8	12078.7
	% Fixture	58.8	41.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.2	0.1
10°-20°	91.9	0.8
20°-30°	275.1	2.3
30°-40°	566.3	4.7
40°-50°	884.2	7.3
50°-60°	1145.1	9.5
60°-70°	1320.4	10.9
70°-80°	1404.9	11.6
80°-90°	1398.8	11.6
90°-100°	1304.9	10.8
100°-110°	1140.6	9.4
110°-120°	934.1	7.7
120°-130°	694.7	5.8
130°-140°	451.8	3.7
140°-150°	255.9	2.1
150°-160°	126.1	1.0
160°-170°	55.1	0.5
170°-180°	15.5	0.1
0°-90°	7099.9	58.8
0°-180°	12078.7	100.0



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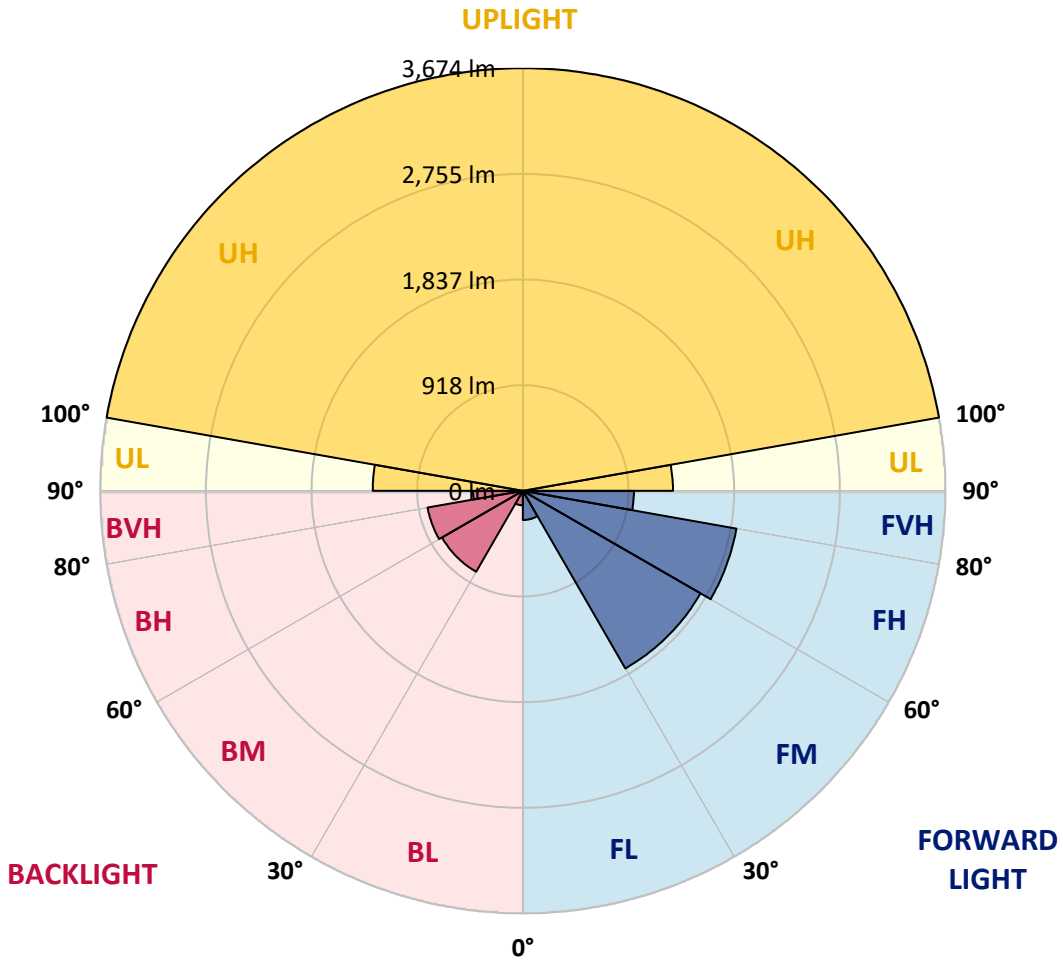
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	253.8	2.1			
FM	(30°-60°)	1783.4	14.8			
FH	(60°-80°)	1885.1	15.6			G2/5000
FVH	(80°-90°)	965.5	8.0			G5
BL	(0°-30°)	126.5	1.0	B1/500		
BM	(30°-60°)	812.1	6.7	B1/1000		
BH	(60°-80°)	840.2	7.0	B2/1000		G2/1000
BVH	(80°-90°)	433.3	3.6			G3/500
UL	(90°-100°)	1304.9	10.8		U5	
UH	(100°-180°)	3673.9	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°	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
2.5°	104.3	104.3	105.0	105.0	103.5	104.3	102.7	100.4	98.9	95.1	93.5
5°	151.8	149.5	150.3	148.7	145.7	144.1	138.0	133.4	125.7	117.3	113.5
7.5°	210.9	211.6	208.6	204.7	204.0	195.5	194.0	179.4	173.3	158.7	154.9
10°	283.7	282.2	279.1	278.3	271.4	263.0	250.0	242.3	222.4	211.6	203.2
12.5°	363.4	364.2	358.8	353.5	347.3	335.8	318.2	305.9	289.8	267.6	256.9
15°	449.3	446.2	446.2	440.1	430.9	417.9	404.1	386.4	363.4	339.7	324.3
17.5°	529.1	535.2	532.9	525.2	516.8	500.7	486.1	461.6	436.3	410.2	391.0
20°	628.7	630.3	626.4	619.5	611.9	593.5	575.8	551.3	519.9	479.2	463.1
22.5°	729.2	732.2	732.2	728.4	717.7	701.6	673.2	646.4	607.3	566.6	539.8
25°	845.0	842.7	845.0	842.7	825.0	810.5	781.3	749.1	706.9	657.1	624.9
27.5°	961.5	964.6	958.4	953.1	946.2	923.2	891.7	851.1	798.2	746.0	711.5
30°	1075.0	1081.9	1081.9	1075.8	1065.0	1042.0	1006.7	963.0	904.8	838.8	798.2
32.5°	1193.8	1196.1	1199.2	1198.4	1186.2	1163.9	1124.8	1065.8	1000.6	927.8	887.9
35°	1319.6	1312.7	1314.2	1309.6	1304.2	1276.6	1231.4	1174.7	1104.1	1022.8	974.5
37.5°	1423.9	1420.8	1423.1	1426.9	1412.4	1384.0	1331.8	1265.9	1188.5	1103.4	1055.0
40°	1522.8	1520.5	1524.3	1525.1	1510.5	1477.5	1422.3	1358.7	1275.1	1177.0	1131.7
42.5°	1605.6	1605.6	1609.4	1614.0	1598.7	1563.4	1507.4	1431.5	1345.6	1246.7	1191.5
45°	1682.3	1680.0	1687.6	1689.9	1674.6	1639.3	1576.4	1499.8	1407.8	1307.3	1249.8
47.5°	1743.6	1744.4	1752.0	1756.6	1742.8	1703.0	1639.3	1558.0	1462.2	1357.1	1298.1
50°	1794.2	1801.1	1808.0	1813.4	1798.8	1758.9	1693.0	1604.8	1509.0	1403.2	1341.8
52.5°	1844.8	1844.8	1855.5	1862.4	1846.3	1804.9	1735.9	1650.0	1551.9	1440.0	1380.2
55°	1877.0	1877.8	1890.8	1893.1	1883.1	1840.2	1769.7	1683.8	1585.6	1472.9	1409.3
57.5°	1905.4	1906.1	1920.7	1926.1	1912.3	1870.9	1798.8	1709.9	1614.0	1499.0	1434.6
60°	1929.9	1929.1	1941.4	1949.1	1935.3	1891.6	1821.0	1734.4	1636.2	1522.8	1456.1
62.5°	1945.2	1945.2	1959.8	1967.5	1952.9	1910.0	1837.9	1752.0	1653.9	1538.9	1472.9
65°	1952.1	1953.7	1967.5	1976.7	1962.9	1919.2	1847.1	1762.8	1666.2	1551.9	1485.2
67.5°	1954.4	1955.2	1972.1	1981.3	1968.3	1923.8	1852.5	1769.7	1675.4	1560.3	1492.9
70°	1956.0	1956.7	1969.8	1979.0	1967.5	1923.0	1854.0	1772.7	1680.7	1564.9	1497.5
72.5°	1947.5	1949.8	1964.4	1975.2	1961.4	1917.6	1850.2	1772.7	1680.0	1568.0	1499.0
75°	1936.8	1942.2	1955.2	1964.4	1952.1	1910.0	1844.0	1769.7	1679.2	1566.5	1499.0
77.5°	1926.1	1926.8	1943.7	1952.1	1939.1	1896.2	1833.3	1762.0	1674.6	1561.9	1493.6
80°	1904.6	1909.2	1923.8	1931.4	1919.9	1879.3	1818.0	1751.3	1666.2	1554.2	1485.2
82.5°	1889.3	1887.7	1902.3	1909.2	1897.7	1855.5	1800.3	1734.4	1653.9	1541.2	1473.7
85°	1860.1	1863.2	1874.7	1880.8	1867.8	1829.5	1776.6	1717.5	1637.0	1526.6	1458.4
87.5°	1832.5	1834.1	1841.7	1848.6	1835.6	1798.8	1749.7	1693.8	1616.3	1508.2	1441.5
90°	1798.0	1798.8	1807.2	1812.6	1801.1	1766.6	1721.4	1666.9	1594.1	1487.5	1420.8
92.5°	1765.8	1764.3	1770.4	1772.7	1762.8	1729.0	1688.4	1637.8	1567.2	1462.2	1397.8
95°	1723.7	1722.9	1728.3	1726.7	1716.0	1686.9	1650.0	1605.6	1535.8	1435.4	1371.7
97.5°	1676.9	1677.7	1680.7	1679.2	1667.7	1640.8	1612.5	1568.0	1503.6	1403.9	1342.6
100°	1624.7	1627.0	1631.6	1627.0	1617.1	1597.1	1567.2	1530.4	1466.8	1372.5	1311.9
102.5°	1581.0	1574.9	1573.4	1572.6	1562.6	1545.0	1522.0	1489.8	1430.8	1338.0	1279.7
105°	1523.5	1519.7	1518.9	1510.5	1506.7	1492.1	1472.9	1443.8	1390.9	1303.5	1246.7
107.5°	1463.0	1463.7	1460.7	1450.7	1445.3	1435.4	1424.6	1398.6	1347.9	1265.1	1213.0
110°	1408.5	1404.7	1396.3	1391.7	1387.8	1379.4	1372.5	1352.5	1305.8	1228.3	1176.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1341.0	1343.3	1333.4	*1330.3*	1324.2	1323.4	1318.8	1302.7	1261.3	1189.2	1140.2
115°	1280.5	1278.9	1269.0	*1262.8*	1260.5	1262.1	1265.1	1253.6	1215.3	1147.1	1101.8
117.5°	1213.8	1209.2	1202.3	*1196.1*	1193.1	1199.2	1206.1	1200.7	1168.5	1104.1	1061.2
120°	1142.5	1143.2	1133.3	*1127.1*	1127.9	1137.9	1147.1	1144.0	1113.3	1055.8	1017.5
122.5°	1075.8	1071.9	1063.5	*1057.4*	1062.7	1073.5	1084.2	1083.4	1056.6	1000.6	966.1
125°	1002.9	1002.1	993.7	*987.6*	992.2	1004.4	1017.5	1019.0	993.7	946.9	912.4
127.5°	933.9	931.6	930.1	*923.2*	926.2	943.1	952.3	951.5	929.3	886.4	856.5
130°	868.0	867.2	858.0	*854.9*	858.8	872.6	881.8	880.2	862.6	825.0	798.2
132.5°	801.3	798.2	794.4	*789.8*	792.8	804.3	816.6	815.1	794.4	758.3	736.8
135°	735.3	733.0	729.9	*726.9*	729.2	740.7	751.4	748.3	730.7	698.5	677.0
137.5°	674.7	672.4	668.6	*664.8*	667.8	677.0	683.9	681.6	667.1	636.4	615.7
140°	611.9	613.4	608.8	*605.7*	607.3	616.5	621.8	618.8	602.7	577.4	560.5
142.5°	554.4	554.4	552.1	*551.3*	553.6	558.2	562.8	556.7	545.9	519.9	506.1
145°	499.2	499.9	499.2	*497.6*	498.4	503.8	504.5	502.2	490.0	470.8	455.5
147.5°	447.0	449.3	447.8	*447.8*	448.5	450.8	453.9	448.5	437.8	420.9	410.2
150°	398.7	400.2	400.2	*398.7*	398.7	401.8	401.8	397.9	389.5	375.7	365.7
152.5°	356.5	357.3	357.3	*355.8*	356.5	357.3	355.8	351.2	344.3	333.5	325.9
155°	318.2	319.7	317.4	*318.2*	315.9	316.7	315.9	312.8	305.2	296.0	291.4
157.5°	283.7	286.0	284.5	*284.5*	282.9	282.2	281.4	278.3	273.0	265.3	259.9
160°	256.1	257.6	255.3	*255.3*	253.8	253.8	250.7	249.2	243.8	236.9	233.9
162.5°	232.3	232.3	231.6	*232.3*	231.6	229.3	227.7	224.7	220.1	214.7	212.4
165°	213.2	212.4	212.4	*211.6*	210.9	209.3	207.0	205.5	200.9	196.3	194.8
167.5°	198.6	197.8	197.1	*196.3*	194.8	194.0	191.7	190.2	186.3	182.5	181.0
170°	186.3	186.3	184.8	*184.0*	183.3	181.7	179.4	177.1	174.1	171.8	170.2
172.5°	175.6	175.6	174.8	*174.1*	173.3	171.8	169.5	167.9	165.6	163.3	161.8
175°	167.9	167.9	167.2	*165.6*	164.9	163.3	161.8	160.3	158.0	156.4	155.7
177.5°	161.8	161.8	161.8	*160.3*	159.5	158.0	156.4	154.9	154.1	152.6	152.6
180°	154.1	154.1	154.1	*154.1*	154.1	154.1	154.1	154.1	154.1	154.1	154.1

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
2.5°	91.2	86.6	82.8	76.7	71.3	66.7	63.6	61.3	59.8	58.3
5°	108.9	100.4	92.0	82.8	74.4	66.7	60.6	56.0	53.7	53.7
7.5°	148.7	135.7	121.1	108.1	98.1	88.2	79.0	73.6	70.5	69.0
10°	194.8	175.6	161.0	144.9	127.3	115.0	104.3	97.4	93.5	94.3
12.5°	250.0	226.2	207.8	184.0	164.9	145.7	134.2	124.2	119.6	118.8
15°	311.3	283.7	256.9	228.5	203.2	181.0	164.1	151.1	143.4	142.6
17.5°	375.7	341.2	305.2	273.0	240.0	212.4	189.4	174.1	165.6	165.6
20°	440.9	401.8	359.6	317.4	277.6	243.8	217.0	197.1	186.3	184.8
22.5°	516.0	466.2	415.6	364.2	319.0	276.8	242.3	218.5	207.0	204.7
25°	598.1	539.0	478.5	417.9	361.9	311.3	271.4	244.6	228.5	226.2
27.5°	683.2	611.9	540.6	470.0	404.8	348.9	300.6	266.1	250.0	247.7
30°	766.8	688.5	605.7	522.9	449.3	384.9	329.7	289.8	269.9	266.8
32.5°	848.8	759.9	668.6	576.6	496.1	420.9	356.5	313.6	289.1	286.0
35°	927.0	835.0	728.4	629.5	537.5	457.0	384.9	335.1	307.5	304.4
37.5°	1003.7	899.4	787.5	678.6	578.9	487.7	411.0	355.0	324.3	321.3
40°	1076.5	960.7	838.8	723.8	614.9	518.3	433.2	372.6	338.1	334.3
42.5°	1132.5	1013.6	886.4	762.2	646.4	541.3	453.2	386.4	348.9	343.5
45°	1188.5	1061.2	927.0	795.9	674.0	563.6	469.3	398.7	358.8	352.7
47.5°	1234.5	1101.8	960.0	823.5	697.0	582.7	483.1	407.1	365.0	358.8
50°	1278.2	1137.9	990.6	848.8	717.7	599.6	494.6	414.0	368.8	362.7
52.5°	1311.9	1167.8	1015.2	868.7	734.5	611.9	503.8	418.6	371.1	364.2
55°	1340.3	1192.3	1035.1	884.1	747.6	622.6	510.7	420.9	371.1	364.2
57.5°	1364.1	1211.5	1051.2	897.9	757.6	629.5	515.3	421.7	368.8	361.9
60°	1384.8	1229.1	1064.3	908.6	766.8	636.4	518.3	421.7	366.5	358.8
62.5°	1401.6	1241.4	1074.2	917.0	773.7	641.8	519.9	420.2	361.9	354.2
65°	1411.6	1249.8	1080.4	921.6	777.5	643.3	519.9	417.9	357.3	349.6
67.5°	*1420.0*	*1255.2*	*1084.2*	*923.9*	*779.8*	*644.8*	*519.1*	*414.0*	*352.7*	*345.0*
70°	1423.9	1257.5	1085.7	925.5	781.3	644.1	516.8	411.0	348.1	338.9
72.5°	1424.6	1258.2	1085.0	925.5	781.3	644.1	514.5	406.4	342.7	334.3
75°	1423.1	1255.9	1082.7	924.7	780.6	641.8	512.2	402.5	338.1	328.9
77.5°	1418.5	1251.3	1078.8	921.6	776.7	639.5	507.6	397.9	332.8	324.3
80°	1410.8	1243.7	1072.7	916.3	772.1	634.9	503.8	393.3	328.2	319.7
82.5°	1399.3	1233.7	1065.0	909.4	767.5	629.5	499.2	388.7	323.6	315.1
85°	1385.5	1221.4	1053.5	900.9	760.6	623.4	493.0	383.4	319.0	310.5
87.5°	1366.4	1206.1	1041.2	891.0	751.4	615.7	486.1	378.8	315.1	306.7
90°	1347.9	1189.2	1028.2	880.2	743.0	608.8	480.0	373.4	312.1	303.6
92.5°	1326.5	1169.3	1012.1	868.0	731.5	599.6	473.9	368.8	309.0	301.3
95°	1301.9	1147.8	995.2	853.4	720.7	590.4	466.2	364.2	305.9	299.0
97.5°	1274.3	1124.8	976.8	838.1	707.7	580.4	459.3	360.4	304.4	296.7
100°	1246.0	1098.8	956.9	822.7	694.7	569.7	452.4	356.5	303.6	296.7
102.5°	1213.8	1075.0	937.0	807.4	681.6	559.7	445.5	354.2	303.6	296.7
105°	1183.1	1047.4	915.5	790.5	668.6	549.8	439.3	352.7	304.4	298.3
107.5°	1150.1	1021.3	894.0	772.9	654.0	539.8	434.0	351.2	305.9	299.8
110°	1119.5	996.0	874.1	756.0	641.0	530.6	428.6	350.4	307.5	302.1

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

Scaled Data Report

REPORT NUMBER: P1223988
CATALOG NUMBER: FFX-CLB-80-730-U-VM8-T4

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1085.7	968.4	851.9	737.6	627.2	519.9	423.2	348.9	309.0	304.4
115°	1050.4	939.3	829.6	719.2	611.1	509.9	417.9	348.1	310.5	305.9
117.5°	1012.1	907.8	802.8	697.7	594.2	497.6	410.2	345.0	310.5	305.9
120°	970.7	874.9	773.7	674.7	575.1	483.1	402.5	341.2	309.0	305.2
122.5°	925.5	835.8	739.9	645.6	553.6	466.2	391.0	334.3	305.2	301.3
125°	875.6	792.1	705.4	614.2	526.8	447.0	377.2	326.6	299.0	296.0
127.5°	823.5	746.8	664.0	581.2	501.5	426.3	362.7	315.1	290.6	287.5
130°	765.2	696.2	621.1	544.4	471.6	402.5	345.0	302.1	279.9	276.8
132.5°	709.2	646.4	578.9	510.7	440.1	379.5	325.9	287.5	268.4	265.3
135°	651.0	595.8	535.2	470.8	411.0	354.2	306.7	273.0	255.3	253.0
137.5°	594.2	547.5	490.7	434.0	381.1	329.7	288.3	259.2	243.1	241.5
140°	541.3	497.6	450.1	400.2	351.2	306.7	270.7	243.8	230.8	228.5
142.5°	490.0	452.4	409.4	367.3	322.0	284.5	253.0	229.3	218.5	217.0
145°	441.6	410.2	372.6	334.3	296.0	263.0	236.2	216.2	207.0	206.3
147.5°	396.4	370.3	337.4	305.2	273.0	245.4	220.8	205.5	197.1	196.3
150°	355.0	331.2	305.2	277.6	250.7	226.2	207.8	194.0	187.1	186.3
152.5°	315.9	297.5	276.0	253.8	230.8	211.6	194.8	184.8	179.4	178.7
155°	282.2	267.6	250.0	230.8	213.2	197.8	184.8	177.1	172.5	172.5
157.5°	253.8	241.5	228.5	213.2	198.6	186.3	177.1	170.2	166.4	166.4
160°	229.3	218.5	208.6	197.1	187.1	177.1	170.2	164.9	161.8	161.8
162.5°	208.6	200.9	193.2	184.8	176.4	170.2	164.1	160.3	158.7	158.0
165°	191.7	187.1	181.0	174.8	169.5	164.1	160.3	158.0	156.4	156.4
167.5°	178.7	175.6	171.0	167.2	163.3	159.5	157.2	155.7	154.9	154.9
170°	168.7	166.4	163.3	161.0	158.7	156.4	154.9	154.1	153.4	153.4
172.5°	161.0	158.7	157.2	156.4	154.9	154.1	153.4	152.6	152.6	152.6
175°	155.7	154.1	154.1	153.4	152.6	152.6	151.8	151.8	151.8	152.6
177.5°	151.8	151.8	151.8	151.8	151.8	152.6	152.6	152.6	153.4	153.4
180°	154.1	154.1	154.1	154.1	154.1	154.1	154.1	154.1	154.1	154.1

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

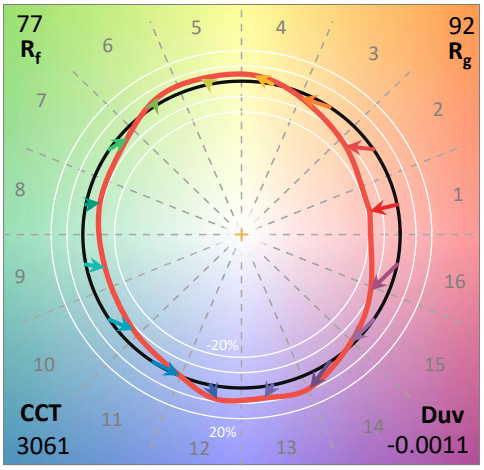
Test Information

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

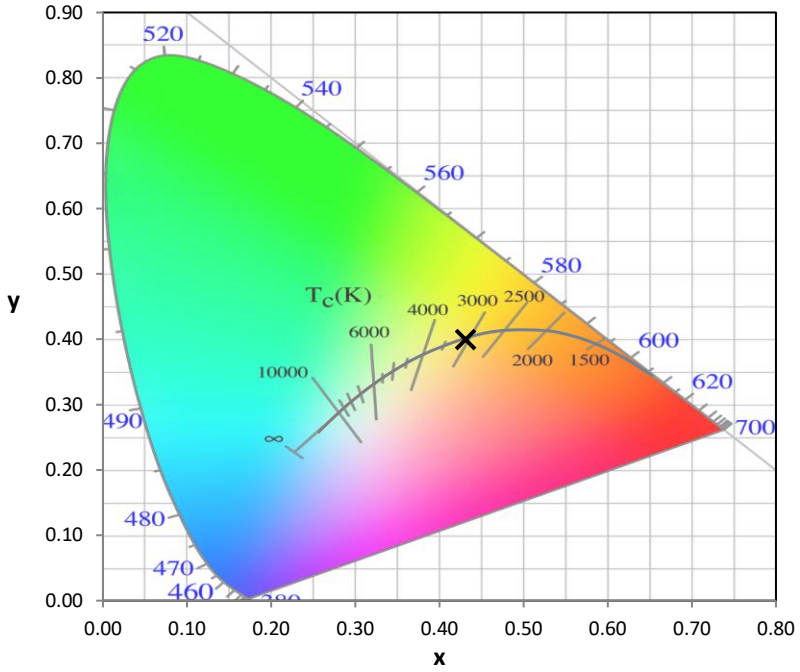
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

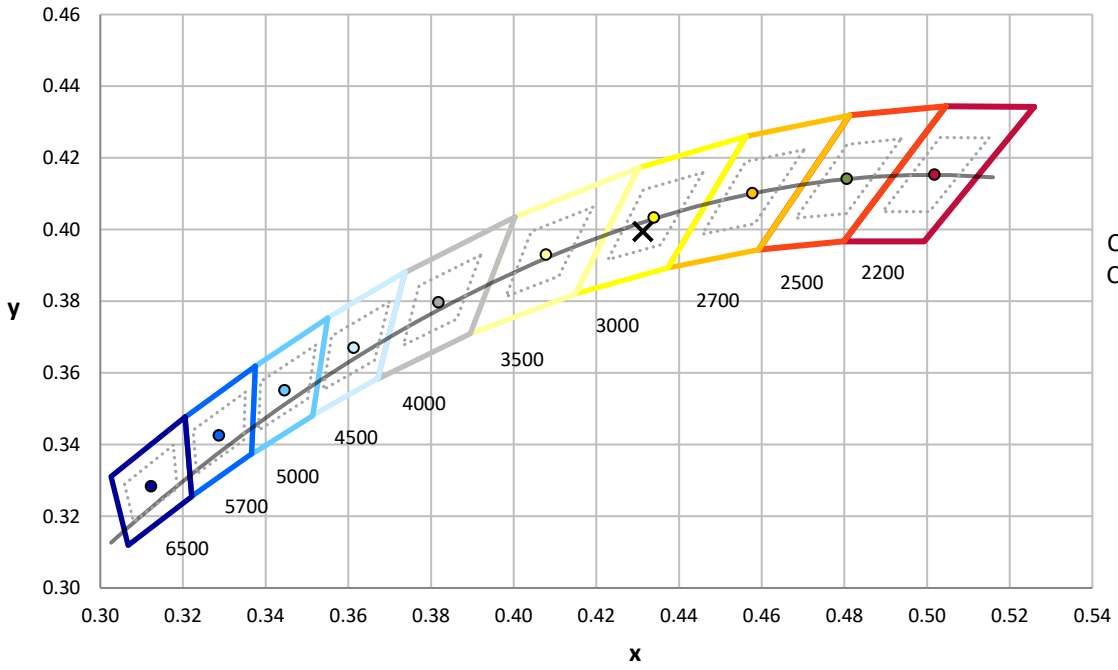
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

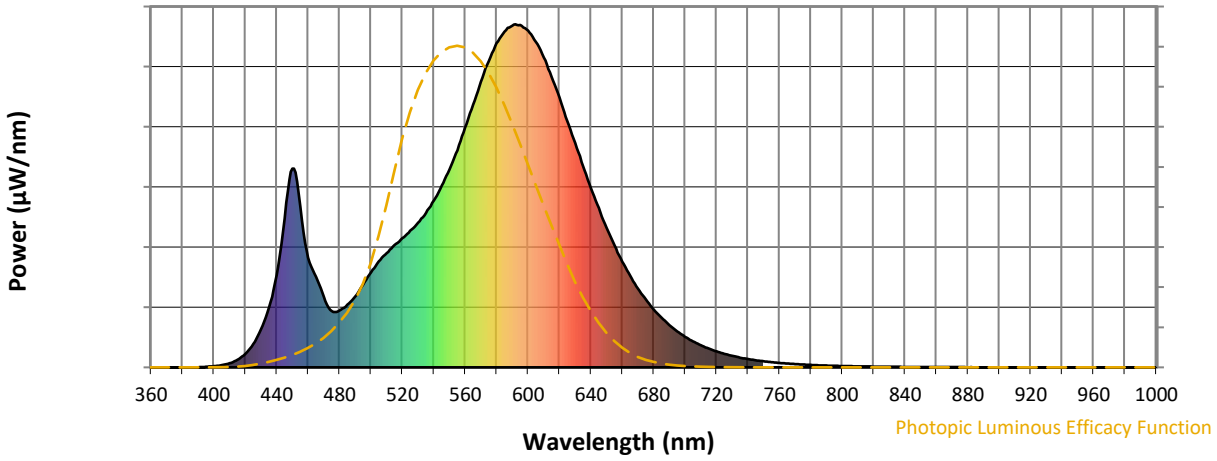


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

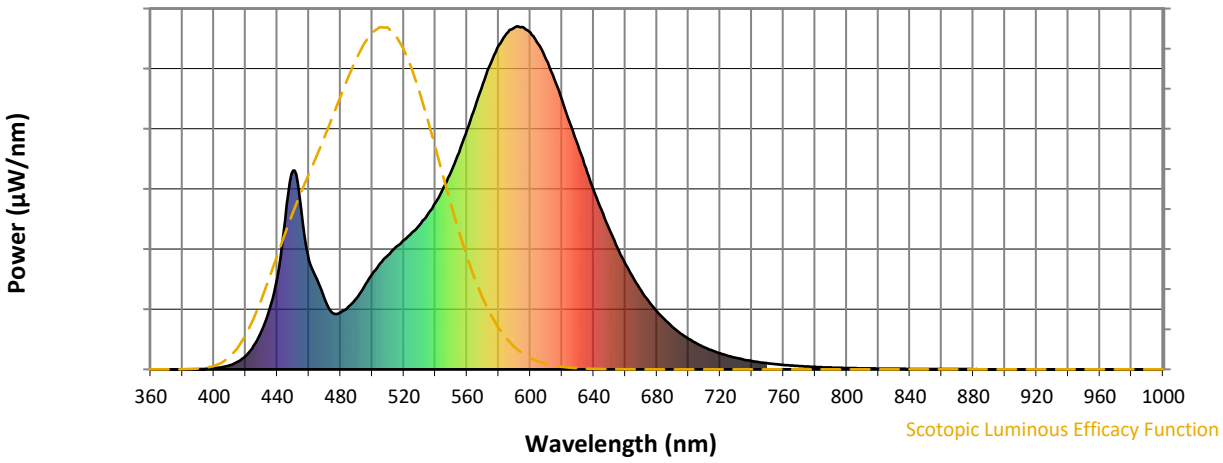


Photopic Lumens: NR

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

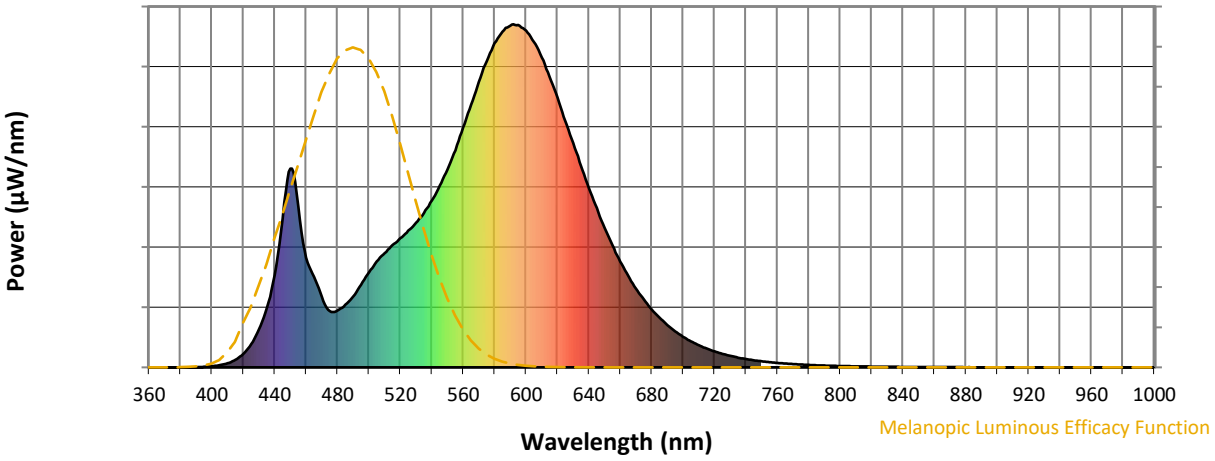


Scotopic Lumens: NR **S/P: 1.29**

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			

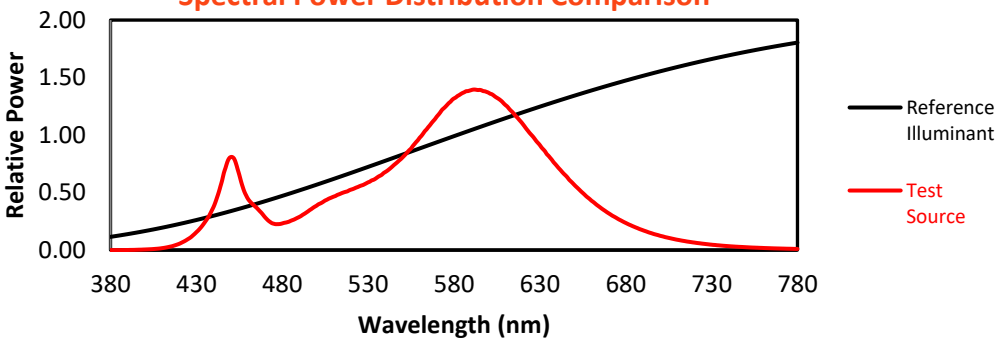
REPORT NUMBER: SP1-2501-332-4

TM-30-18

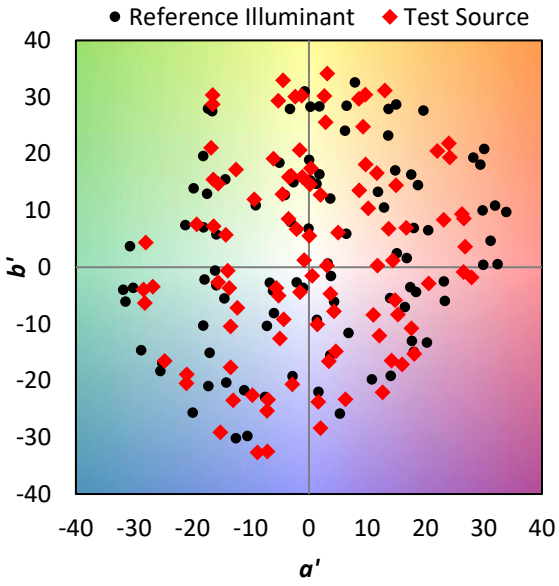
Summary

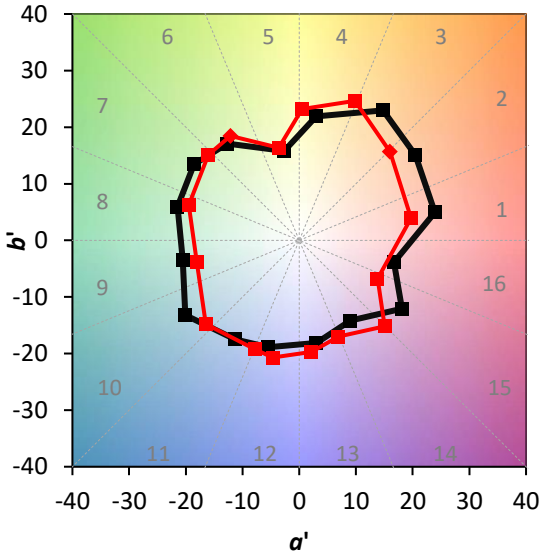
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

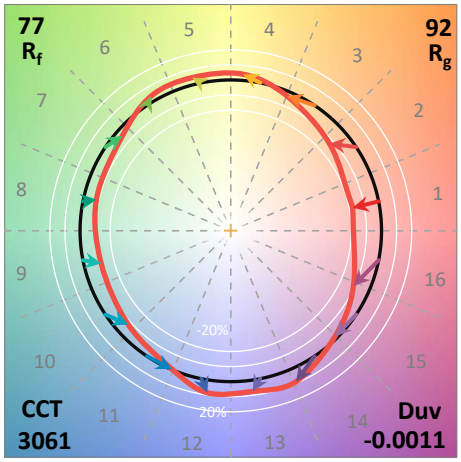
Spectral Power Distribution Comparison

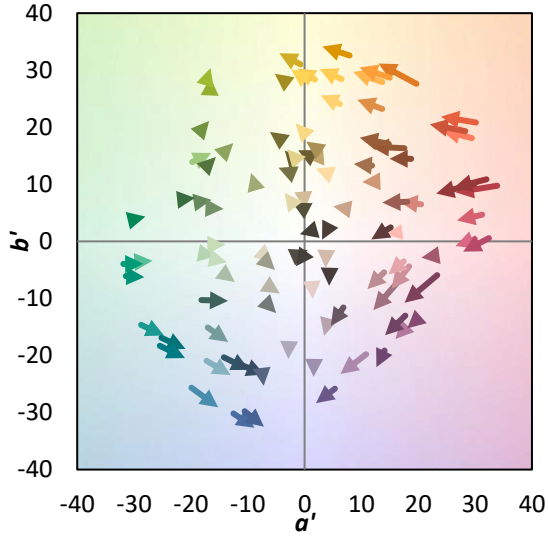


Color Vector Graphics







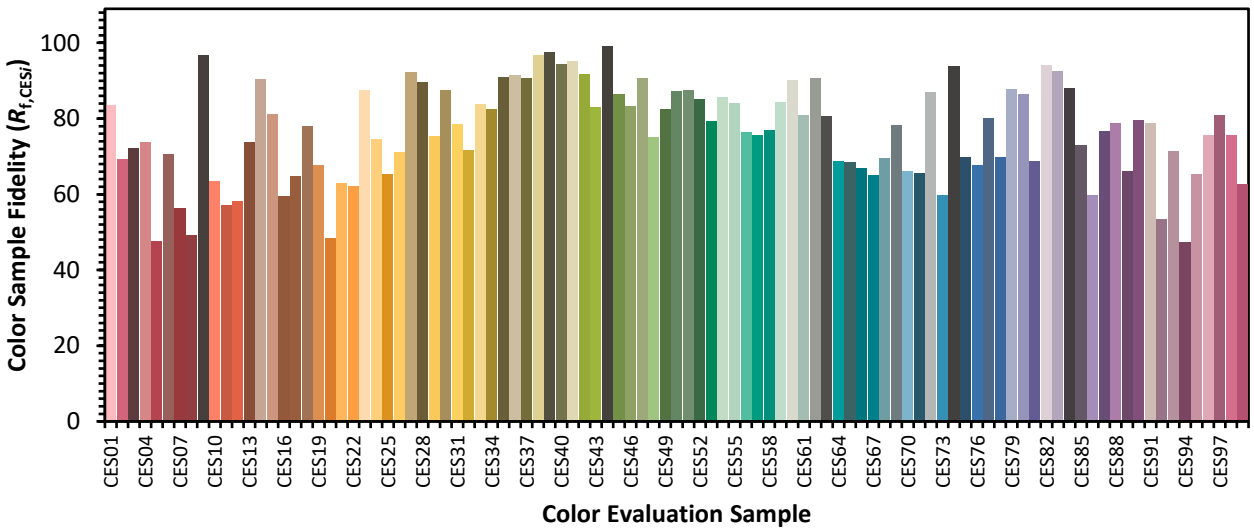


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

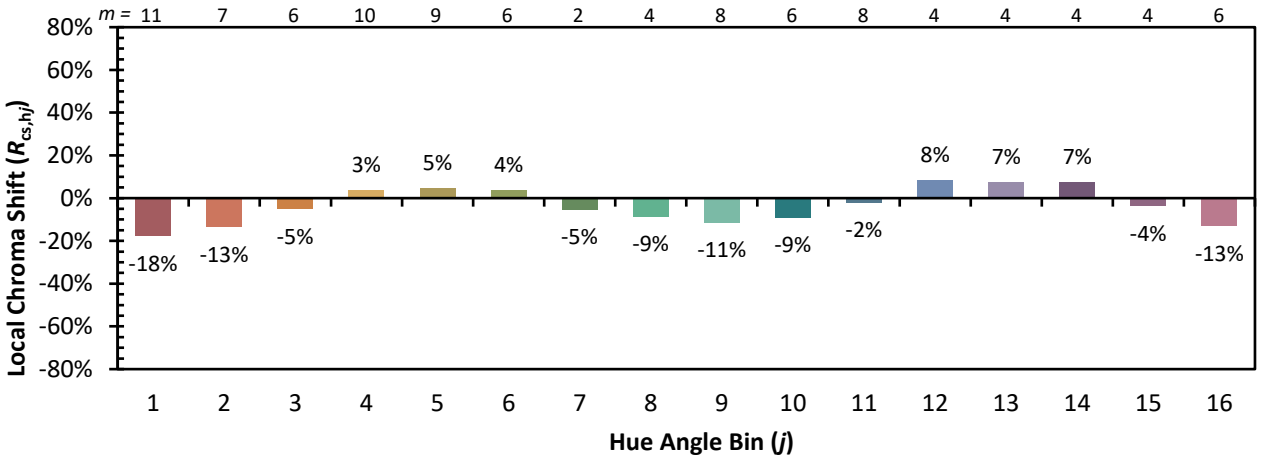
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57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

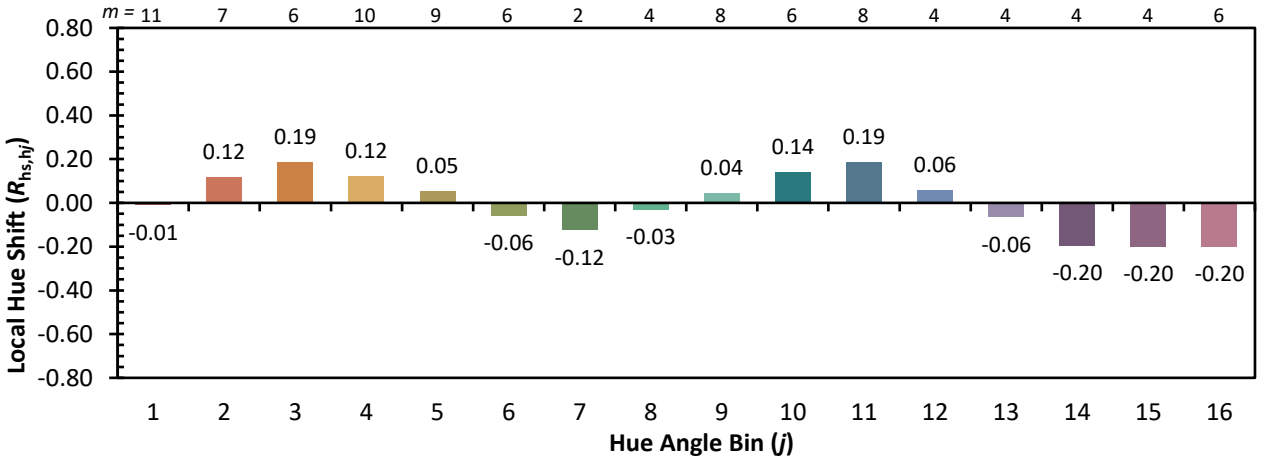


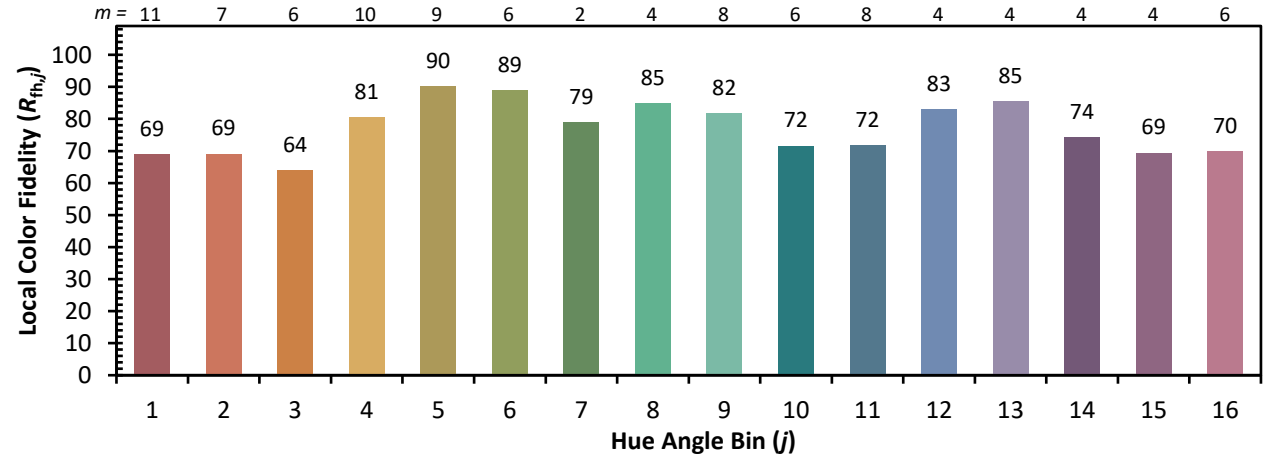
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Color Rendition by Hue-Angle Bin



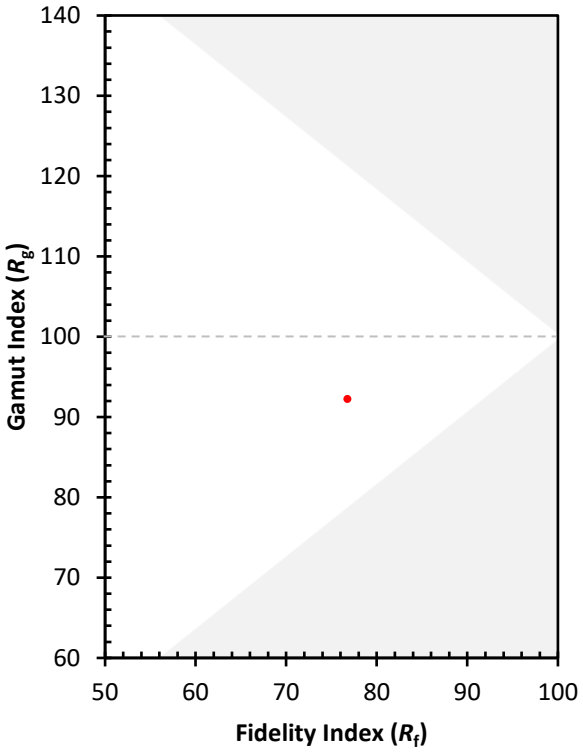


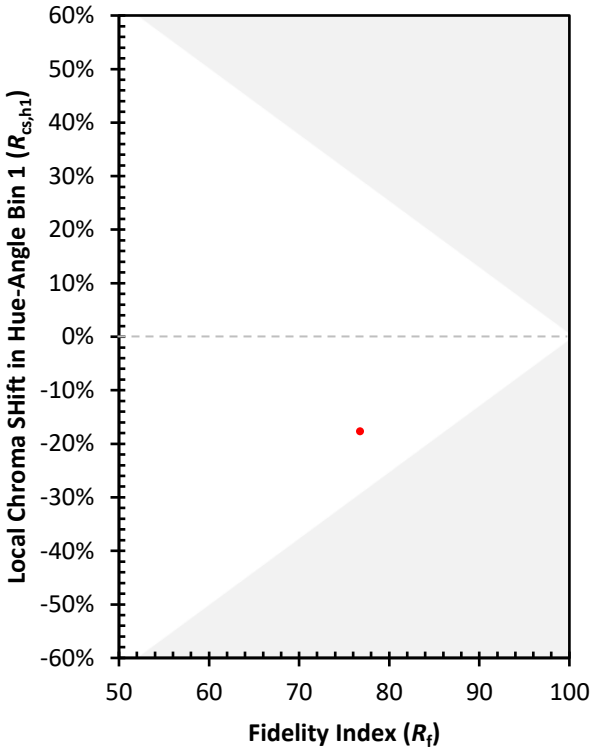


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Measure Comparisons





(END OF REPORT)