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: P1223961

Luminaire Tested: **FFX-CLB-80-750-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:	P1223961
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-80-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11698.1 lumens
Efficiency:	N/A
Efficacy:	143.0 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

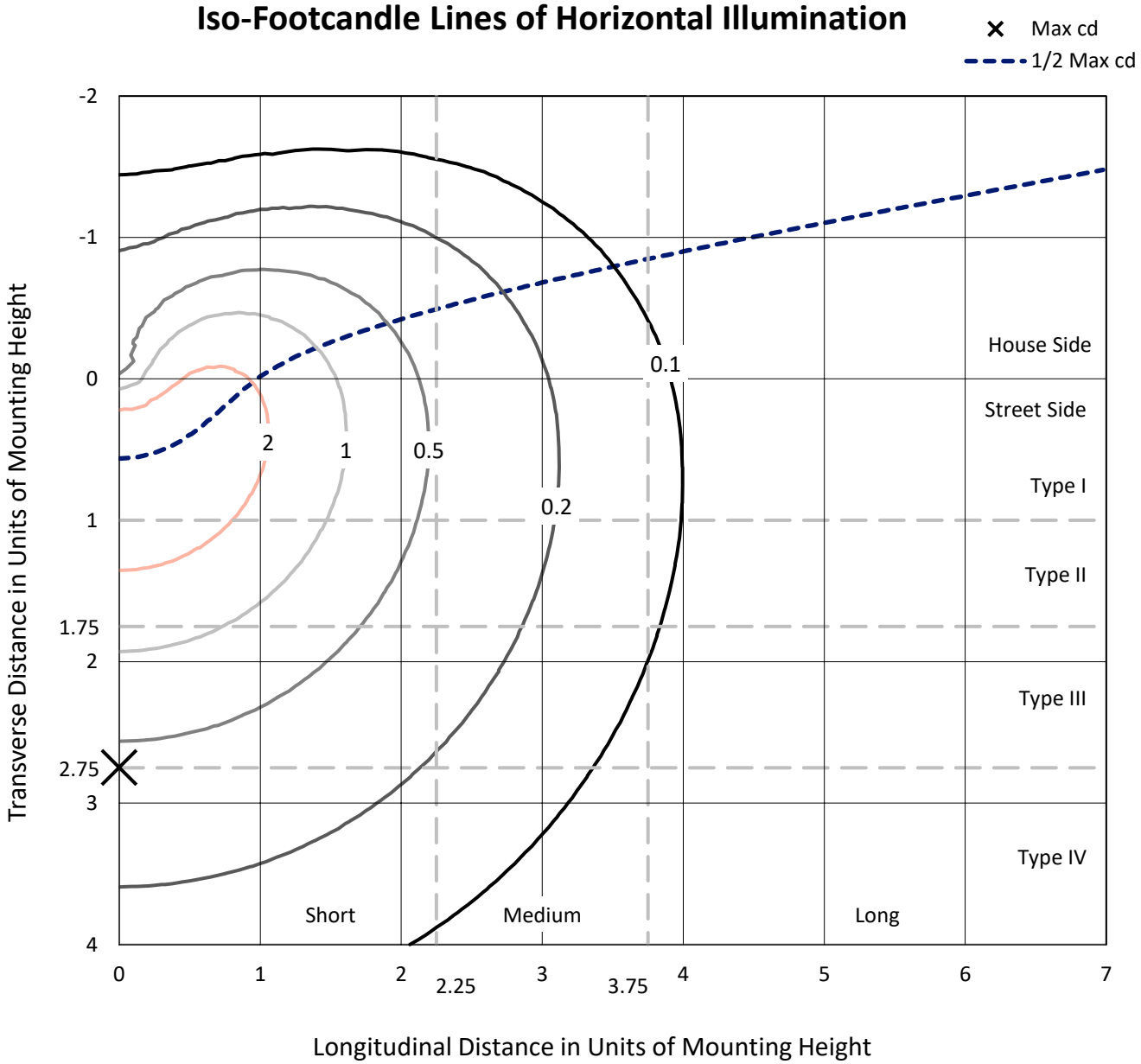


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Iso-Footcandle Lines of Horizontal Illumination



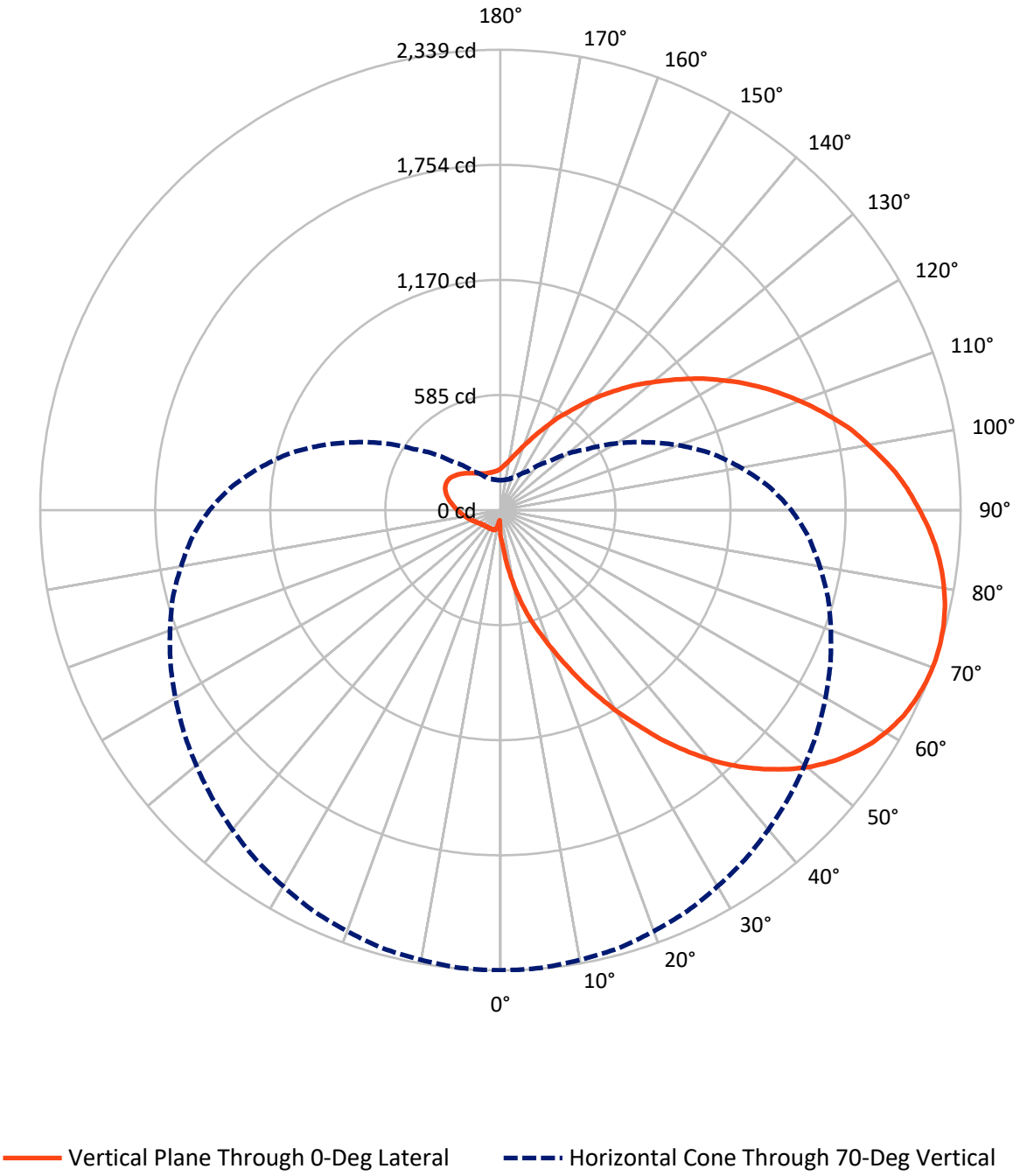
Based on 15 foot mounting height. Maximum calculated value = 3.5 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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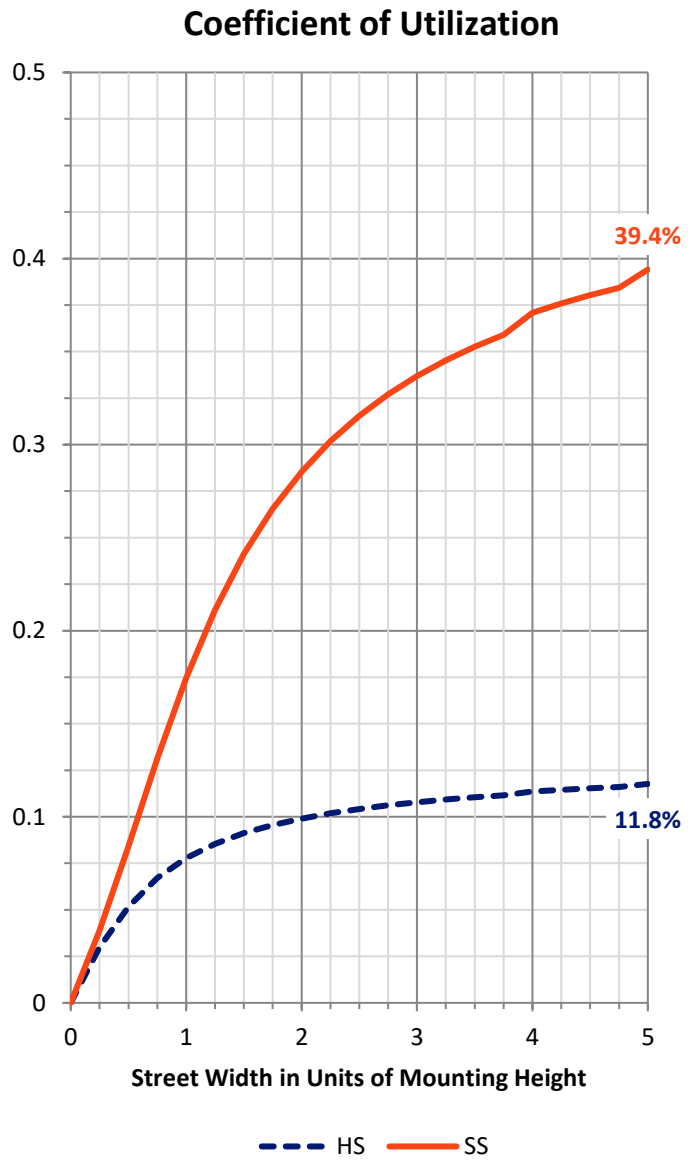
REPORT NUMBER: P1223961
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1500.0	1447.2	2947.2
	% Fixture	12.8	12.4	25.2
Street Side	Lumens	5268.9	3481.9	8750.8
	% Fixture	45.0	29.8	74.8
Total	Lumens	6768.9	4929.1	11698.1
	% Fixture	57.9	42.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.6	0.2
10°-20°	102.3	0.9
20°-30°	269.0	2.3
30°-40°	522.7	4.5
40°-50°	814.4	7.0
50°-60°	1074.4	9.2
60°-70°	1261.6	10.8
70°-80°	1357.3	11.6
80°-90°	1349.6	11.5
90°-100°	1254.8	10.7
100°-110°	1101.7	9.4
110°-120°	906.1	7.7
120°-130°	682.1	5.8
130°-140°	462.3	4.0
140°-150°	279.9	2.4
150°-160°	150.7	1.3
160°-170°	70.9	0.6
170°-180°	20.6	0.2
0°-90°	6768.9	57.9
0°-180°	11698.1	100.0



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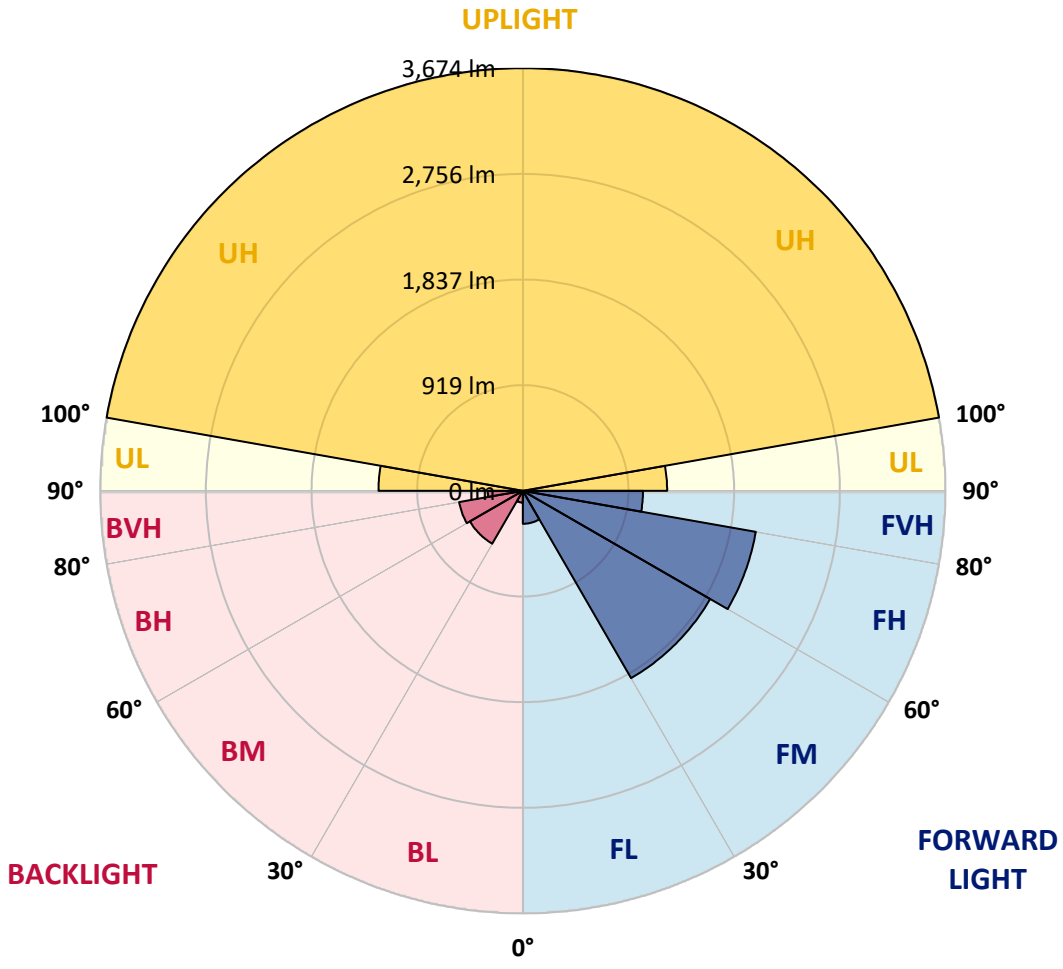
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	286.5	2.4			
FM	(30°-60°)	1880.7	16.1			
FH	(60°-80°)	2056.9	17.6			G2/5000
FVH	(80°-90°)	1044.9	8.9			G5
BL	(0°-30°)	102.4	0.9	B0/110		
BM	(30°-60°)	530.8	4.5	B1/1000		
BH	(60°-80°)	562.1	4.8	B2/1000		G2/1000
BVH	(80°-90°)	304.7	2.6			G3/500
UL	(90°-100°)	1254.8	10.7		U5	
UH	(100°-180°)	3674.3	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°	*133.8*	133.8	133.8	133.8	133.8	133.8	133.8	133.8	133.8	133.8	133.8
2.5°	*163.0*	163.8	163.0	163.0	164.7	163.0	161.3	155.3	148.4	139.8	135.5
5°	*228.2*	228.2	232.5	232.5	228.2	218.7	207.6	192.1	178.4	163.8	153.5
7.5°	*311.4*	313.1	309.7	301.1	295.9	277.1	265.9	246.2	229.0	209.3	199.9
10°	*398.0*	398.9	394.6	386.9	370.6	351.7	335.4	312.2	289.9	264.2	250.5
12.5°	*490.6*	488.9	481.2	464.1	454.6	433.2	411.7	387.7	357.7	326.0	309.7
15°	*579.0*	575.6	572.1	554.1	541.3	519.8	494.9	462.3	427.2	392.0	368.0
17.5°	*663.9*	656.2	651.0	642.5	622.7	603.9	572.1	533.5	495.8	449.5	424.6
20°	*754.8*	756.6	748.0	736.0	714.5	687.1	656.2	615.0	567.8	512.9	482.9
22.5°	*856.9*	856.9	851.8	836.3	814.0	778.9	742.8	699.9	641.6	584.1	547.3
25°	*970.1*	964.1	957.3	937.5	918.7	880.9	838.0	791.7	730.8	661.3	620.2
27.5°	*1082.5*	1079.9	1073.1	1051.6	1027.6	988.1	945.3	885.2	819.2	737.7	694.8
30°	*1201.7*	1199.2	1192.3	1171.7	1136.5	1097.9	1046.5	982.1	910.1	818.3	771.1
32.5°	*1316.7*	1316.7	1308.1	1286.7	1249.8	1203.4	1148.6	1076.5	996.7	902.4	845.8
35°	*1444.5*	1443.6	1428.2	1402.5	1357.8	1317.5	1255.8	1180.3	1090.2	982.1	922.1
37.5°	*1562.0*	1557.7	1542.3	1514.8	1473.6	1421.3	1351.8	1268.6	1176.0	1061.1	993.3
40°	*1677.8*	1672.6	1658.9	1628.0	1578.3	1519.1	1447.9	1358.7	1254.1	1134.8	1064.5
42.5°	*1782.4*	1780.7	1761.0	1724.1	1674.4	1607.5	1531.1	1436.8	1332.1	1203.4	1128.8
45°	*1877.7*	1877.7	1857.9	1817.6	1761.0	1693.2	1609.2	1512.2	1400.7	1266.1	1187.2
47.5°	*1967.7*	1967.7	1948.8	1902.5	1839.9	1765.3	1679.5	1579.2	1460.8	1322.7	1238.6
50°	*2049.2*	2045.8	2024.3	1972.9	1909.4	1831.3	1741.3	1635.8	1516.5	1373.3	1288.4
52.5°	*2119.5*	2115.3	2090.4	2042.3	1971.2	1887.9	1793.6	1686.4	1562.0	1417.0	1330.4
55°	*2178.7*	2176.2	2152.1	2097.2	2022.6	1939.4	1839.1	1727.5	1604.9	1453.9	1366.4
57.5°	*2230.2*	2225.9	2197.6	2141.8	2067.2	1976.3	1875.1	1764.4	1637.5	1487.4	1396.4
60°	*2268.8*	2264.5	2235.3	2179.6	2104.1	2008.0	1906.8	1794.5	1665.8	1514.0	1421.3
62.5°	*2300.5*	2295.4	2267.1	2207.9	2129.0	2034.6	1930.8	1816.8	1688.1	1535.4	1442.8
65°	*2320.3*	2316.0	2288.5	2229.3	2147.9	2052.6	1948.8	1833.9	1706.1	1551.7	1459.1
67.5°	*2333.1*	2329.7	2301.4	2243.9	2162.4	2065.5	1960.0	1845.1	1718.1	1563.7	1471.1
70°	*2339.1*	*2335.7*	*2306.5*	*2248.2*	*2167.6*	*2070.7*	*1965.1*	*1850.2*	*1724.1*	*1572.3*	*1478.8*
71°	*2339.1*	2335.7	2307.4	2249.1	2168.4	2071.5	1966.0	1851.1	1725.0	1573.1	1479.7
72.5°	*2336.6*	2334.0	2305.7	2246.5	2165.9	2069.8	1963.4	1850.2	1725.0	1574.0	1481.4
75°	*2327.1*	2322.0	2294.5	2237.1	2157.3	2061.2	1955.7	1842.5	1719.8	1571.4	1479.7
77.5°	*2310.0*	2305.7	2277.4	2221.6	2141.8	2044.9	1940.3	1829.6	1709.5	1562.9	1472.8
80°	*2285.1*	2280.8	2253.4	2195.9	2117.0	2023.5	1918.8	1809.9	1691.5	1549.1	1460.8
82.5°	*2253.4*	2249.9	2223.3	2165.9	2087.8	1995.2	1890.5	1784.2	1671.8	1530.3	1443.6
85°	*2215.6*	2211.3	2182.2	2125.6	2050.9	1958.3	1856.2	1753.3	1643.5	1507.1	1423.0
87.5°	*2170.2*	2167.6	2138.4	2084.4	2009.8	1918.0	1820.2	1719.8	1611.7	1481.4	1399.9
90°	*2120.4*	2119.5	2088.7	2034.6	1960.9	1874.2	1777.3	1679.5	1574.9	1450.5	1371.6
92.5°	*2070.7*	2070.7	2039.8	1984.0	1911.1	1825.3	1733.6	1639.2	1539.7	1419.6	1344.1
95°	*2015.8*	2009.8	1980.6	1930.8	1857.9	1775.6	1687.2	1594.6	1498.5	1384.4	1313.2
97.5°	*1951.4*	1949.7	1921.4	1868.2	1801.3	1722.4	1636.6	1550.8	1458.2	1348.4	1280.6
100°	*1888.8*	1885.4	1858.8	1809.9	1741.3	1665.8	1585.2	1502.8	1415.3	1311.5	1246.3
102.5°	*1827.0*	1818.5	1791.0	1741.3	1681.2	1607.5	1532.0	1456.5	1370.7	1272.1	1211.2
105°	*1752.4*	1751.6	1723.3	1676.1	1615.2	1550.0	1478.8	1405.0	1327.0	1231.8	1175.1
107.5°	*1679.5*	1679.5	1652.9	1606.6	1549.1	1486.5	1423.0	1353.6	1281.5	1189.7	1138.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	*1604.9*	1604.0	1580.0	1538.8	1483.9	1423.9	1365.6	1302.1	1230.0	1149.4	1098.8
112.5°	*1531.1*	1529.4	1506.2	1464.2	1413.6	1364.7	1306.4	1248.1	1182.0	1107.4	1059.3
115°	*1456.5*	1454.8	1429.9	1393.0	1346.7	1296.1	1247.2	1191.4	1134.0	1059.3	1017.3
117.5°	*1379.3*	1377.6	1357.0	1321.0	1277.2	1236.9	1188.0	1140.0	1081.6	1013.9	971.9
120°	*1300.4*	1301.2	1280.6	1248.1	1207.7	1170.0	1127.1	1083.4	1029.3	965.0	924.7
122.5°	*1225.8*	1219.7	1206.0	1176.9	1140.8	1105.7	1069.6	1025.0	974.4	913.5	878.4
125°	*1146.0*	1144.3	1130.5	1101.4	1070.5	1043.0	1009.6	969.3	923.0	861.2	829.5
127.5°	*1068.8*	1071.4	1055.9	1034.5	1004.4	981.3	947.0	911.8	867.2	811.4	781.4
130°	*996.7*	995.0	986.4	964.1	939.3	915.2	889.5	857.8	815.7	760.0	732.5
132.5°	*929.8*	922.1	914.4	895.5	874.9	855.2	832.9	801.2	758.3	709.4	685.4
135°	*856.9*	856.9	844.9	828.6	814.0	795.2	772.8	743.7	706.8	663.9	636.5
137.5°	*790.0*	786.6	778.9	766.0	752.3	738.5	719.7	690.5	657.9	616.7	592.7
140°	*726.5*	724.0	717.1	705.9	694.8	681.9	664.8	639.9	609.9	570.4	549.8
142.5°	*660.5*	662.2	656.2	648.5	635.6	627.0	611.6	589.3	562.7	528.4	508.7
145°	*601.3*	602.2	599.6	591.9	582.4	573.8	557.5	541.3	515.5	484.6	470.1
147.5°	*552.4*	549.0	543.8	539.5	531.0	524.1	511.2	495.8	471.8	445.2	431.5
150°	*497.5*	500.1	494.9	489.8	484.6	475.2	465.8	452.9	430.6	409.2	394.6
152.5°	*451.2*	452.9	448.6	446.0	440.9	433.2	423.7	411.7	394.6	375.7	362.0
155°	*410.0*	410.0	410.0	406.6	400.6	395.4	386.0	374.8	360.3	343.1	333.7
157.5°	*372.3*	373.1	373.1	368.8	364.6	360.3	352.5	343.1	330.2	315.7	308.8
160°	*342.2*	340.5	339.7	336.2	332.8	329.4	322.5	314.8	303.7	291.6	285.6
162.5°	*312.2*	312.2	310.5	307.9	305.4	300.2	295.9	288.2	280.5	271.9	265.1
165°	*289.1*	288.2	288.2	284.8	282.2	277.9	273.6	268.5	261.6	253.9	248.8
167.5°	*269.3*	267.6	266.8	265.1	261.6	259.0	254.8	250.5	245.3	240.2	235.9
170°	*250.5*	251.3	249.6	247.9	246.2	243.6	240.2	236.7	232.5	227.3	225.6
172.5°	*237.6*	236.7	235.9	234.2	232.5	229.9	228.2	224.7	222.2	218.7	217.0
175°	*225.6*	225.6	224.7	223.0	221.3	219.6	217.9	216.2	214.4	211.9	211.0
177.5°	*216.2*	216.2	216.2	214.4	213.6	212.7	211.0	210.2	209.3	207.6	207.6
180°	*206.7*	206.7	206.7	206.7	206.7	206.7	206.7	206.7	206.7	206.7	206.7

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	133.8	133.8	133.8	133.8	133.8	133.8	133.8	133.8	133.8	133.8
2.5°	131.2	120.1	110.7	102.1	95.2	89.2	85.8	79.8	75.5	72.9
5°	147.5	131.2	117.5	103.8	93.5	82.3	71.2	60.0	53.2	52.3
7.5°	187.0	169.0	148.4	130.4	109.8	92.6	78.1	66.9	62.6	61.8
10°	236.7	210.2	182.7	156.1	129.5	108.1	92.6	82.3	77.2	76.3
12.5°	291.6	255.6	220.4	186.1	154.4	130.4	111.5	99.5	93.5	93.5
15°	348.3	303.7	259.0	217.0	180.1	150.1	126.9	111.5	104.6	103.8
17.5°	398.0	347.4	294.2	244.5	199.9	162.1	134.7	115.8	107.2	106.4
20°	454.6	390.3	329.4	267.6	215.3	171.6	139.0	117.5	106.4	105.5
22.5°	514.7	441.8	366.3	294.2	231.6	181.0	143.2	119.2	107.2	105.5
25°	582.4	494.9	404.0	320.8	247.9	189.6	147.5	120.9	108.1	106.4
27.5°	646.8	549.8	444.3	345.7	262.5	197.3	151.0	122.7	108.9	107.2
30°	715.4	603.9	483.8	372.3	277.9	205.0	154.4	123.5	108.9	107.2
32.5°	784.9	656.2	525.0	396.3	290.8	210.2	156.1	124.4	109.8	108.1
35°	858.6	712.8	563.6	421.2	302.8	215.3	157.8	125.2	109.8	108.1
37.5°	926.4	766.8	601.3	442.6	313.1	219.6	159.5	125.2	110.7	108.9
40°	987.3	815.7	634.7	461.5	321.7	222.2	160.4	126.1	111.5	109.8
42.5°	1047.3	863.8	664.8	476.9	328.5	223.9	161.3	126.9	112.4	110.7
45°	1100.5	904.1	692.2	491.5	333.7	225.6	162.1	127.8	113.2	111.5
47.5°	1147.7	941.8	718.0	503.5	337.1	226.5	163.0	128.7	114.9	113.2
50°	1193.2	977.9	737.7	512.9	340.5	227.3	163.0	130.4	117.5	115.8
52.5°	1231.8	1007.0	755.7	520.7	342.2	228.2	164.7	132.1	119.2	118.4
55°	1265.2	1032.8	772.0	526.7	344.0	228.2	166.4	134.7	122.7	120.9
57.5°	1292.7	1053.3	783.1	530.1	344.0	229.0	167.3	138.1	126.1	124.4
60°	1316.7	1071.4	793.4	534.4	344.8	229.9	169.8	141.5	130.4	129.5
62.5°	1336.4	1085.1	801.2	537.0	345.7	232.5	173.3	145.8	134.7	133.8
65°	1351.8	1097.1	807.2	538.7	346.5	234.2	176.7	150.1	140.7	139.8
67.5°	1362.1	1105.7	811.4	539.5	347.4	236.7	181.0	156.1	146.7	145.0
70°	*1369.9*	*1110.8*	*814.0*	*540.4*	*349.1*	*239.3*	*186.1*	*161.3*	*152.7*	*151.8*
71°	1371.6	1111.7	814.9	540.4	350.0	241.0	187.9	163.8	155.3	154.4
72.5°	1372.4	1112.5	814.9	540.4	350.8	243.6	191.3	168.1	159.5	158.7
75°	1371.6	1111.7	814.0	540.4	352.5	247.9	197.3	174.1	166.4	165.5
77.5°	1365.6	1108.2	811.4	540.4	355.1	253.0	204.1	182.7	174.1	173.3
80°	1355.3	1101.4	807.2	539.5	357.7	259.0	211.0	190.4	181.8	181.0
82.5°	1341.5	1091.1	801.2	539.5	361.1	264.2	217.9	197.3	190.4	189.6
85°	1323.5	1079.1	795.2	538.7	365.4	271.1	226.5	206.7	199.9	198.1
87.5°	1302.1	1064.5	788.3	538.7	369.7	278.8	235.0	215.3	208.4	206.7
90°	1278.1	1048.2	781.4	538.7	374.8	286.5	244.5	224.7	217.0	216.2
92.5°	1254.1	1032.8	774.6	539.5	381.7	295.1	253.9	235.0	227.3	227.3
95°	1226.6	1013.9	766.8	541.3	388.6	304.5	265.1	245.3	237.6	236.7
97.5°	1199.2	996.7	760.8	543.8	396.3	315.7	275.3	256.5	248.8	247.0
100°	1168.3	978.7	754.8	547.3	405.7	326.0	286.5	267.6	259.9	259.0
102.5°	1138.3	959.0	748.0	551.5	415.2	338.0	298.5	278.8	271.1	270.2
105°	1105.7	938.4	740.3	555.0	424.6	349.1	309.7	289.1	280.5	280.5
107.5°	1073.9	917.0	732.5	559.3	434.0	360.3	319.9	299.4	289.9	289.1

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

Scaled Data Report

REPORT NUMBER: P1223961
CATALOG NUMBER: FFX-CLB-80-750-U-VM9-T4-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	1037.9	893.8	723.1	561.8	442.6	369.7	329.4	307.1	297.6	296.8
112.5°	1005.3	868.9	712.8	562.7	450.3	378.3	337.1	313.9	304.5	302.8
115°	964.1	843.2	699.1	561.0	454.6	385.1	342.2	318.2	307.9	306.2
117.5°	924.7	814.0	684.5	556.7	457.2	388.6	345.7	320.8	309.7	307.9
120°	884.4	781.4	663.9	549.0	454.6	388.6	345.7	319.1	307.9	307.1
122.5°	838.9	747.1	642.5	537.8	450.3	385.1	342.2	316.5	304.5	303.7
125°	791.7	710.2	616.7	522.4	441.8	380.0	337.1	311.4	299.4	298.5
127.5°	746.3	672.5	590.1	504.4	429.7	371.4	330.2	303.7	291.6	289.9
130°	701.7	633.0	560.1	482.9	415.2	360.3	320.8	295.9	283.9	282.2
132.5°	655.3	595.3	530.1	462.3	399.7	348.3	310.5	286.5	275.3	273.6
135°	611.6	555.8	497.5	437.5	381.7	334.5	299.4	277.1	265.9	265.1
137.5°	569.6	518.9	467.5	413.4	363.7	320.8	288.2	267.6	257.3	255.6
140°	526.7	482.9	436.6	390.3	344.0	306.2	277.1	257.3	247.9	246.2
142.5°	489.8	448.6	407.4	364.6	325.1	290.8	265.1	247.0	239.3	238.5
145°	451.2	415.2	378.3	341.4	307.1	277.1	253.9	238.5	230.7	229.9
147.5°	416.9	382.6	350.8	319.1	289.1	262.5	242.7	229.9	223.9	223.0
150°	381.7	354.3	326.8	297.6	271.9	249.6	233.3	222.2	216.2	215.3
152.5°	350.8	327.7	302.8	280.5	256.5	238.5	224.7	214.4	210.2	209.3
155°	324.2	304.5	283.9	263.3	244.5	229.9	217.9	209.3	205.9	205.9
157.5°	301.1	283.9	266.8	249.6	234.2	221.3	211.9	205.9	202.4	201.6
160°	278.8	265.1	249.6	236.7	224.7	215.3	207.6	202.4	199.9	199.0
162.5°	260.8	248.8	238.5	227.3	217.9	210.2	204.1	199.9	198.1	198.1
165°	245.3	236.7	227.3	219.6	211.9	205.9	201.6	199.0	197.3	197.3
167.5°	233.3	225.6	219.6	212.7	207.6	203.3	199.9	198.1	197.3	196.4
170°	223.0	217.9	212.7	208.4	204.1	201.6	199.0	198.1	197.3	197.3
172.5°	215.3	211.9	208.4	205.0	202.4	199.9	199.0	198.1	198.1	198.1
175°	209.3	207.6	205.0	203.3	201.6	200.7	199.9	199.9	199.9	199.9
177.5°	206.7	205.0	204.1	203.3	202.4	202.4	202.4	203.3	203.3	203.3
180°	206.7	206.7	206.7	206.7	206.7	206.7	206.7	206.7	206.7	206.7

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: SP1-2501-332-5

Test Date: 03/25/2025

Luminaire Tested: FFX-CLB-100-750-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-750-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

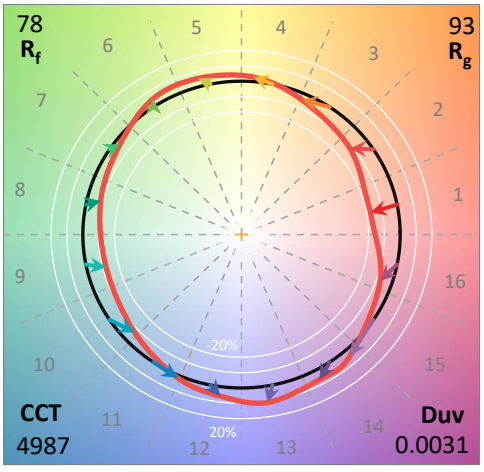
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-5
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-100-750-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	4987	CRI (Ra):	75.8		
CIE u':	0.2094	R1:	71.6	R9:	-30.4
CIE v':	0.4882	R2:	82.8	R10:	59.9
Duv:	0.0031	R3:	91.2	R11:	70.9
CIE x:	0.3461	R4:	73.8	R12:	51.2
CIE y:	0.3586	R5:	73.0	R13:	74.2
CIE z:	0.2954	R6:	76.1	R14:	95.3
Peak Wavelength (nm):	450	R7:	82.9	R15:	63.7
Dominant Wavelength (nm):	570	R8:	54.9		
Purity:	11.4				

Rf:	78.3
Rg:	93.4



Test Conditions

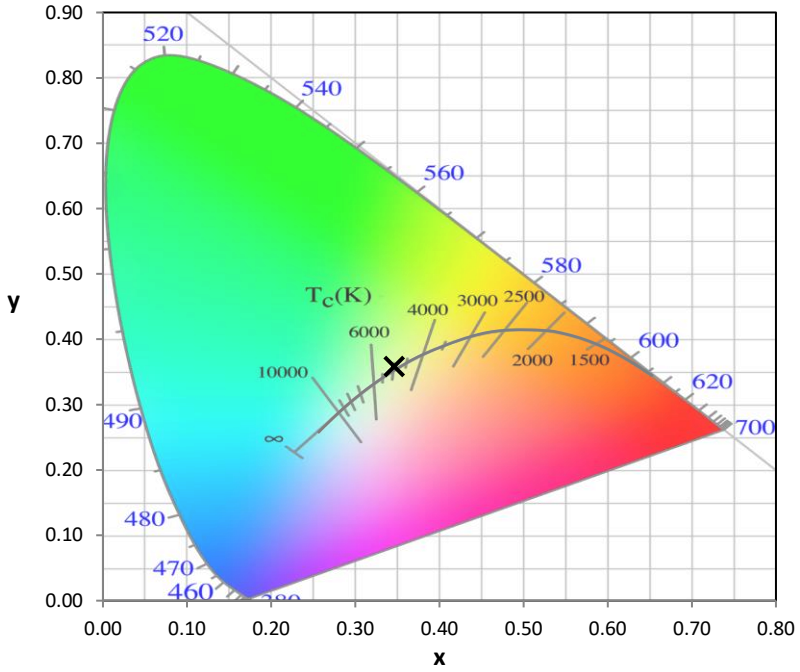
Stabilization Time:	67M
Operation Time:	2H 7M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-5

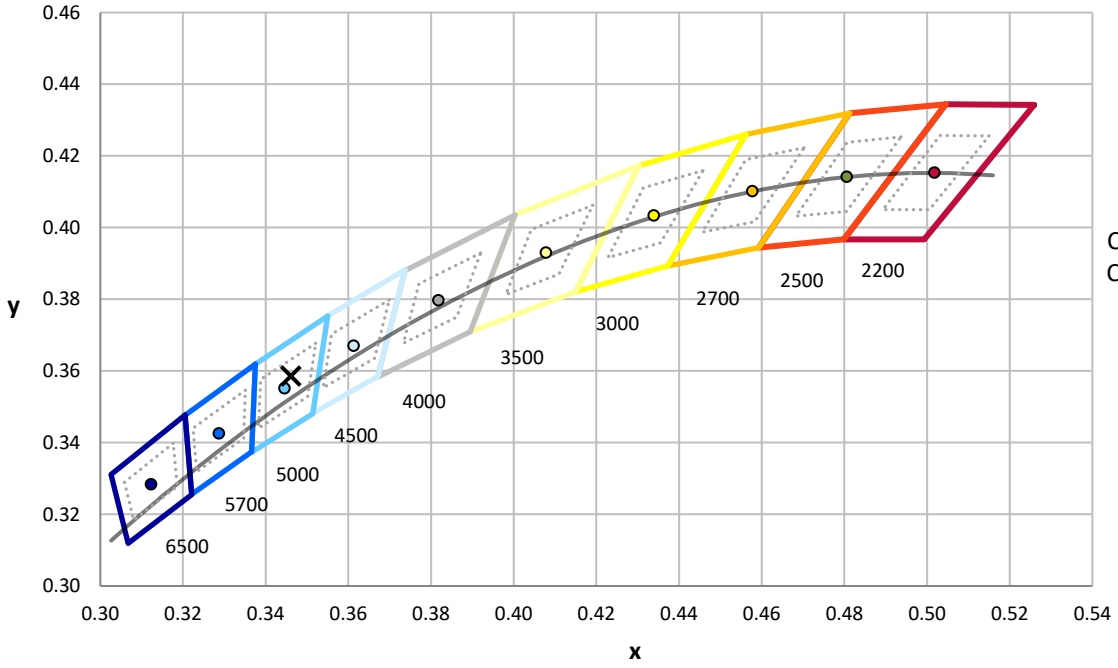
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-5

CIE 1931 Chromaticity Diagram



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

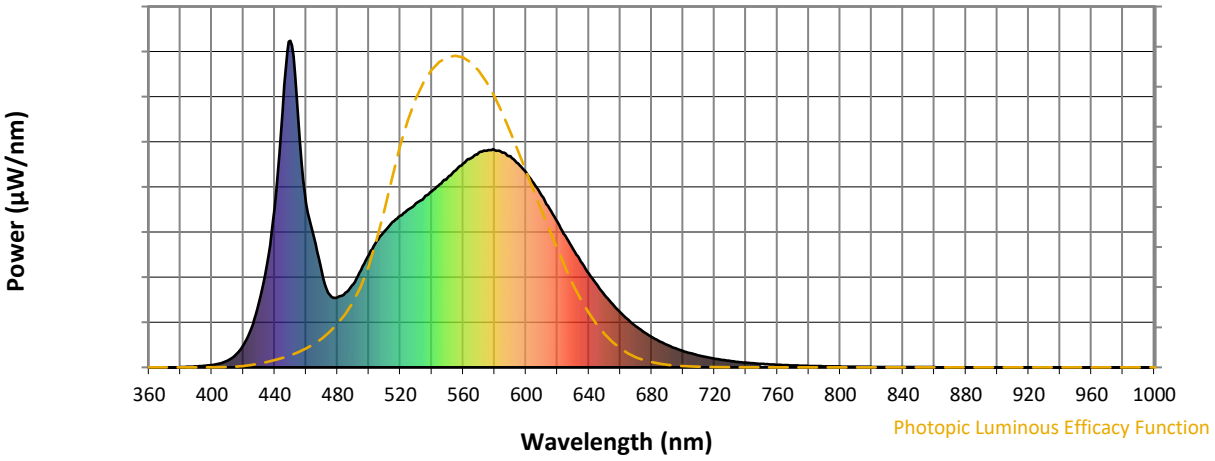


CCT = 4987K
CIE x = 0.3461
CIE y = 0.3586
Duv = 0.0031

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-5

Photopic Flux vs. Wavelength

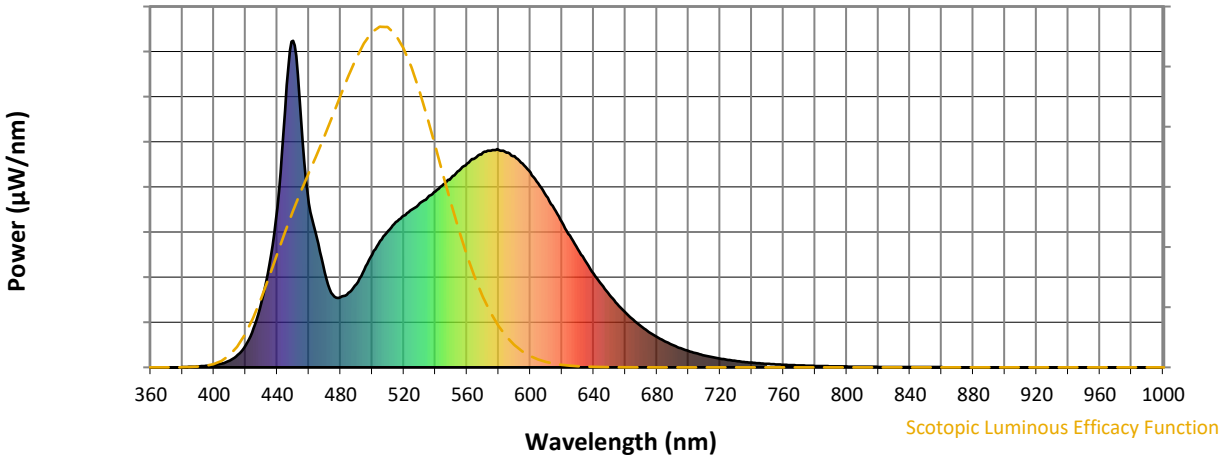


Photopic Lumens: NR

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	255	NR	620	445	NR	750	11	NR	880	0	NR
365	0	NR	495	298	NR	625	403	NR	755	9	NR	885	0	NR
370	0	NR	500	345	NR	630	362	NR	760	8	NR	890	0	NR
375	0	NR	505	387	NR	635	323	NR	765	7	NR	895	0	NR
380	1	NR	510	417	NR	640	287	NR	770	6	NR	900	0	NR
385	2	NR	515	445	NR	645	254	NR	775	5	NR	905	0	NR
390	3	NR	520	464	NR	650	222	NR	780	4	NR	910	0	NR
395	5	NR	525	483	NR	655	194	NR	785	4	NR	915	0	NR
400	7	NR	530	503	NR	660	168	NR	790	3	NR	920	0	NR
405	12	NR	535	519	NR	665	146	NR	795	3	NR	925	0	NR
410	21	NR	540	539	NR	670	126	NR	800	3	NR	930	0	NR
415	38	NR	545	561	NR	675	108	NR	805	2	NR	935	0	NR
420	68	NR	550	580	NR	680	93	NR	810	2	NR	940	0	NR
425	119	NR	555	602	NR	685	80	NR	815	2	NR	945	0	NR
430	199	NR	560	624	NR	690	69	NR	820	2	NR	950	0	NR
435	315	NR	565	641	NR	695	59	NR	825	1	NR	955	0	NR
440	489	NR	570	657	NR	700	50	NR	830	1	NR	960	0	NR
445	787	NR	575	663	NR	705	43	NR	835	1	NR	965	0	NR
450	1000	NR	580	666	NR	710	36	NR	840	1	NR	970	0	NR
455	757	NR	585	657	NR	715	31	NR	845	1	NR	975	0	NR
460	503	NR	590	646	NR	720	27	NR	850	1	NR	980	0	NR
465	398	NR	595	624	NR	725	23	NR	855	1	NR	985	0	NR
470	290	NR	600	597	NR	730	20	NR	860	1	NR	990	0	NR
475	222	NR	605	564	NR	735	17	NR	865	0	NR	995	0	NR
480	215	NR	610	525	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	486	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP1-2501-332-5

Scotopic Flux vs. Wavelength

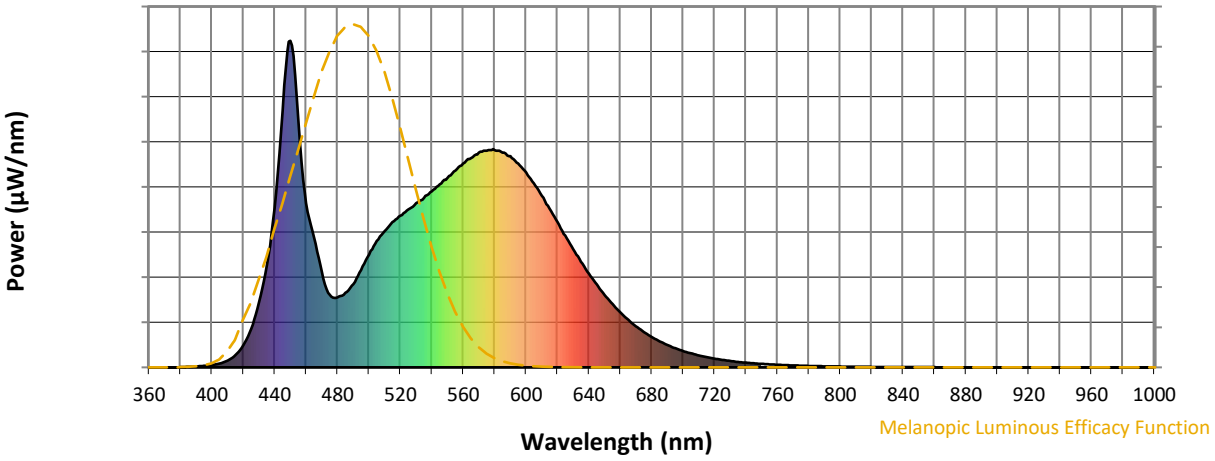


Scotopic Lumens: NR **S/P: 1.87**

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	255	NR	620	445	NR	750	11	NR	880	0	NR
365	0	NR	495	298	NR	625	403	NR	755	9	NR	885	0	NR
370	0	NR	500	345	NR	630	362	NR	760	8	NR	890	0	NR
375	0	NR	505	387	NR	635	323	NR	765	7	NR	895	0	NR
380	1	NR	510	417	NR	640	287	NR	770	6	NR	900	0	NR
385	2	NR	515	445	NR	645	254	NR	775	5	NR	905	0	NR
390	3	NR	520	464	NR	650	222	NR	780	4	NR	910	0	NR
395	5	NR	525	483	NR	655	194	NR	785	4	NR	915	0	NR
400	7	NR	530	503	NR	660	168	NR	790	3	NR	920	0	NR
405	12	NR	535	519	NR	665	146	NR	795	3	NR	925	0	NR
410	21	NR	540	539	NR	670	126	NR	800	3	NR	930	0	NR
415	38	NR	545	561	NR	675	108	NR	805	2	NR	935	0	NR
420	68	NR	550	580	NR	680	93	NR	810	2	NR	940	0	NR
425	119	NR	555	602	NR	685	80	NR	815	2	NR	945	0	NR
430	199	NR	560	624	NR	690	69	NR	820	2	NR	950	0	NR
435	315	NR	565	641	NR	695	59	NR	825	1	NR	955	0	NR
440	489	NR	570	657	NR	700	50	NR	830	1	NR	960	0	NR
445	787	NR	575	663	NR	705	43	NR	835	1	NR	965	0	NR
450	1000	NR	580	666	NR	710	36	NR	840	1	NR	970	0	NR
455	757	NR	585	657	NR	715	31	NR	845	1	NR	975	0	NR
460	503	NR	590	646	NR	720	27	NR	850	1	NR	980	0	NR
465	398	NR	595	624	NR	725	23	NR	855	1	NR	985	0	NR
470	290	NR	600	597	NR	730	20	NR	860	1	NR	990	0	NR
475	222	NR	605	564	NR	735	17	NR	865	0	NR	995	0	NR
480	215	NR	610	525	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	486	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP1-2501-332-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.92**

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	255	NR	620	445	NR	750	11	NR	880	0	NR
365	0	NR	495	298	NR	625	403	NR	755	9	NR	885	0	NR
370	0	NR	500	345	NR	630	362	NR	760	8	NR	890	0	NR
375	0	NR	505	387	NR	635	323	NR	765	7	NR	895	0	NR
380	1	NR	510	417	NR	640	287	NR	770	6	NR	900	0	NR
385	2	NR	515	445	NR	645	254	NR	775	5	NR	905	0	NR
390	3	NR	520	464	NR	650	222	NR	780	4	NR	910	0	NR
395	5	NR	525	483	NR	655	194	NR	785	4	NR	915	0	NR
400	7	NR	530	503	NR	660	168	NR	790	3	NR	920	0	NR
405	12	NR	535	519	NR	665	146	NR	795	3	NR	925	0	NR
410	21	NR	540	539	NR	670	126	NR	800	3	NR	930	0	NR
415	38	NR	545	561	NR	675	108	NR	805	2	NR	935	0	NR
420	68	NR	550	580	NR	680	93	NR	810	2	NR	940	0	NR
425	119	NR	555	602	NR	685	80	NR	815	2	NR	945	0	NR
430	199	NR	560	624	NR	690	69	NR	820	2	NR	950	0	NR
435	315	NR	565	641	NR	695	59	NR	825	1	NR	955	0	NR
440	489	NR	570	657	NR	700	50	NR	830	1	NR	960	0	NR
445	787	NR	575	663	NR	705	43	NR	835	1	NR	965	0	NR
450	1000	NR	580	666	NR	710	36	NR	840	1	NR	970	0	NR
455	757	NR	585	657	NR	715	31	NR	845	1	NR	975	0	NR
460	503	NR	590	646	NR	720	27	NR	850	1	NR	980	0	NR
465	398	NR	595	624	NR	725	23	NR	855	1	NR	985	0	NR
470	290	NR	600	597	NR	730	20	NR	860	1	NR	990	0	NR
475	222	NR	605	564	NR	735	17	NR	865	0	NR	995	0	NR
480	215	NR	610	525	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	486	NR	745	12	NR	875	0	NR			

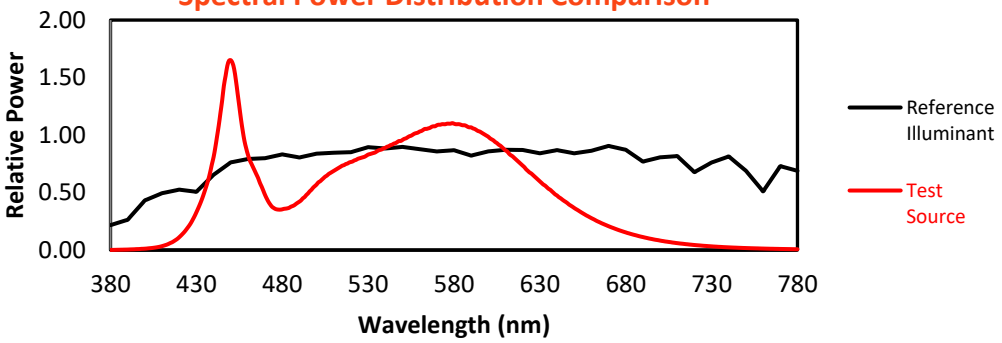
REPORT NUMBER: SP1-2501-332-5

TM-30-18

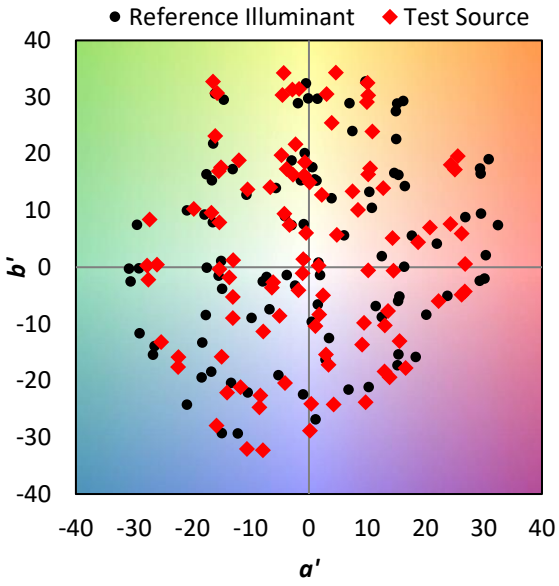
Summary

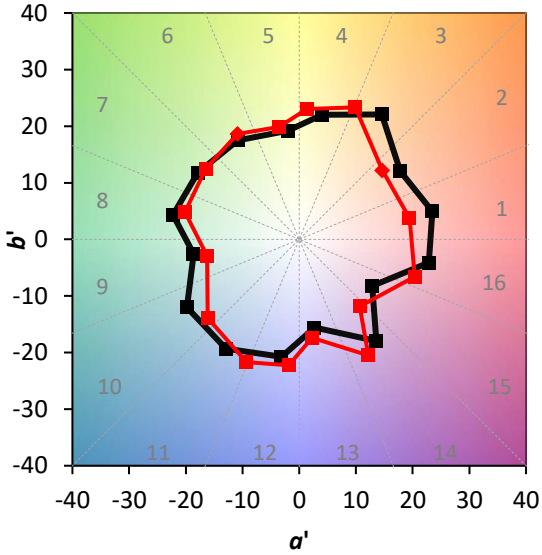
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R_g = 93.4
CIE R_a = 75.8
R_9 = -30.4

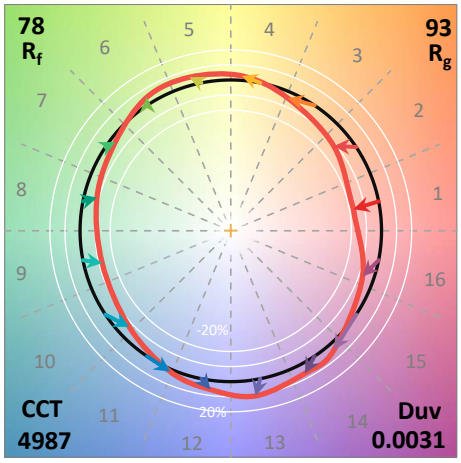
Spectral Power Distribution Comparison

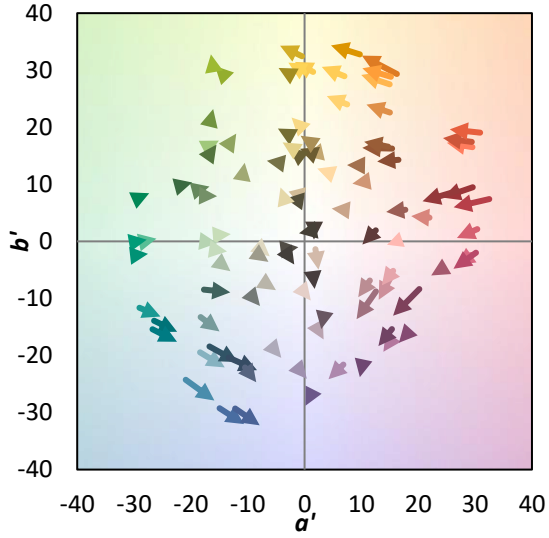


Color Vector Graphics







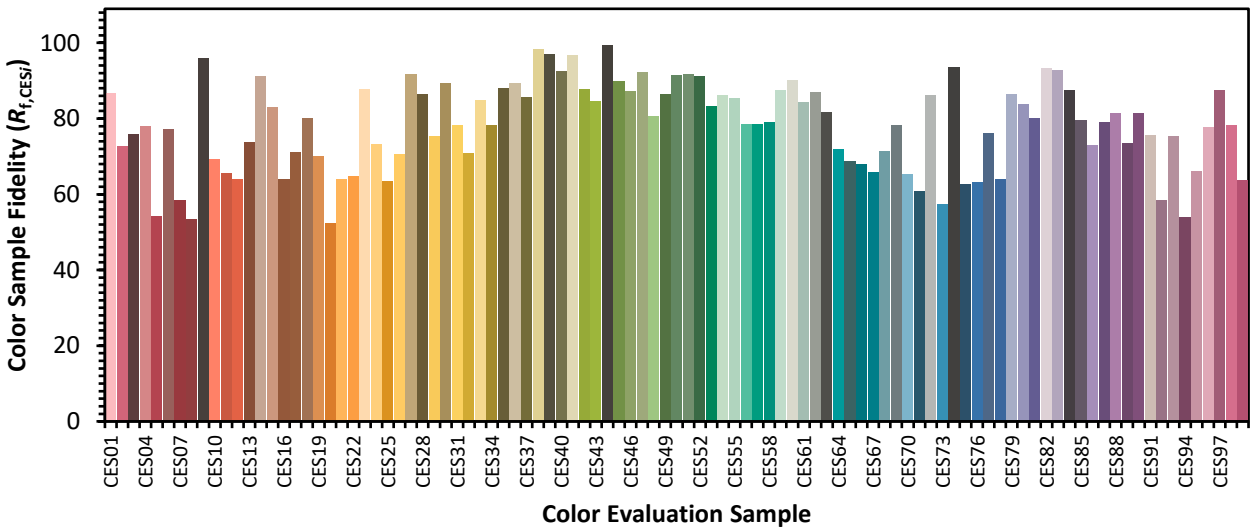


REPORT NUMBER: SP1-2501-332-5

TM-30-18

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

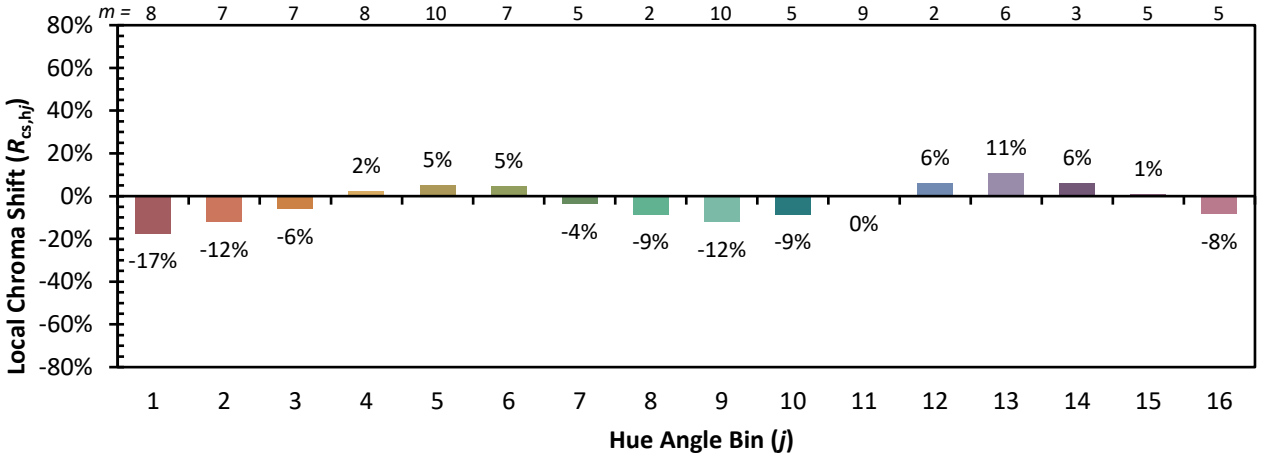
CES01 = 85	CES26 = 71	CES51 = 92	CES76 = 63
CES02 = 60	CES27 = 92	CES52 = 91	CES77 = 76
CES03 = 30	CES28 = 86	CES53 = 83	CES78 = 64
CES04 = 69	CES29 = 75	CES54 = 86	CES79 = 86
CES05 = 46	CES30 = 89	CES55 = 85	CES80 = 84
CES06 = 50	CES31 = 78	CES56 = 79	CES81 = 80
CES07 = 39	CES32 = 71	CES57 = 78	CES82 = 93
CES08 = 38	CES33 = 85	CES58 = 79	CES83 = 93
CES09 = 29	CES34 = 78	CES59 = 88	CES84 = 87
CES10 = 73	CES35 = 88	CES60 = 90	CES85 = 80
CES11 = 56	CES36 = 89	CES61 = 84	CES86 = 73
CES12 = 61	CES37 = 86	CES62 = 87	CES87 = 79
CES13 = 41	CES38 = 98	CES63 = 82	CES88 = 81
CES14 = 74	CES39 = 97	CES64 = 72	CES89 = 74
CES15 = 70	CES40 = 93	CES65 = 69	CES90 = 81
CES16 = 46	CES41 = 97	CES66 = 68	CES91 = 76
CES17 = 49	CES42 = 88	CES67 = 66	CES92 = 58
CES18 = 55	CES43 = 85	CES68 = 71	CES93 = 75
CES19 = 71	CES44 = 99	CES69 = 78	CES94 = 54
CES20 = 64	CES45 = 90	CES70 = 65	CES95 = 66
CES21 = 85	CES46 = 87	CES71 = 61	CES96 = 78
CES22 = 77	CES47 = 92	CES72 = 86	CES97 = 88
CES23 = 91	CES48 = 81	CES73 = 57	CES98 = 78
CES24 = 90	CES49 = 86	CES74 = 93	CES99 = 64
CES25 = 71	CES50 = 91	CES75 = 63	

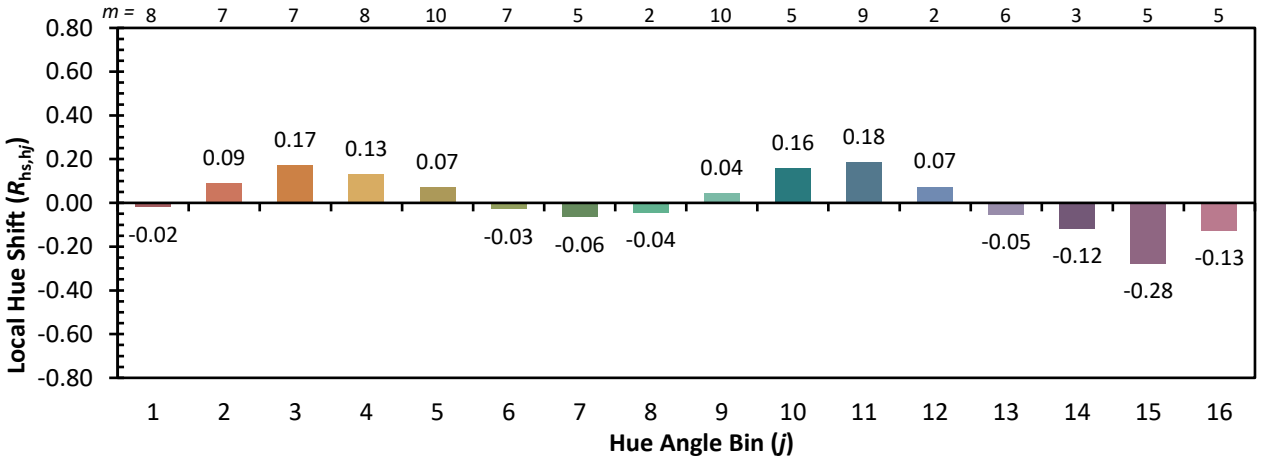


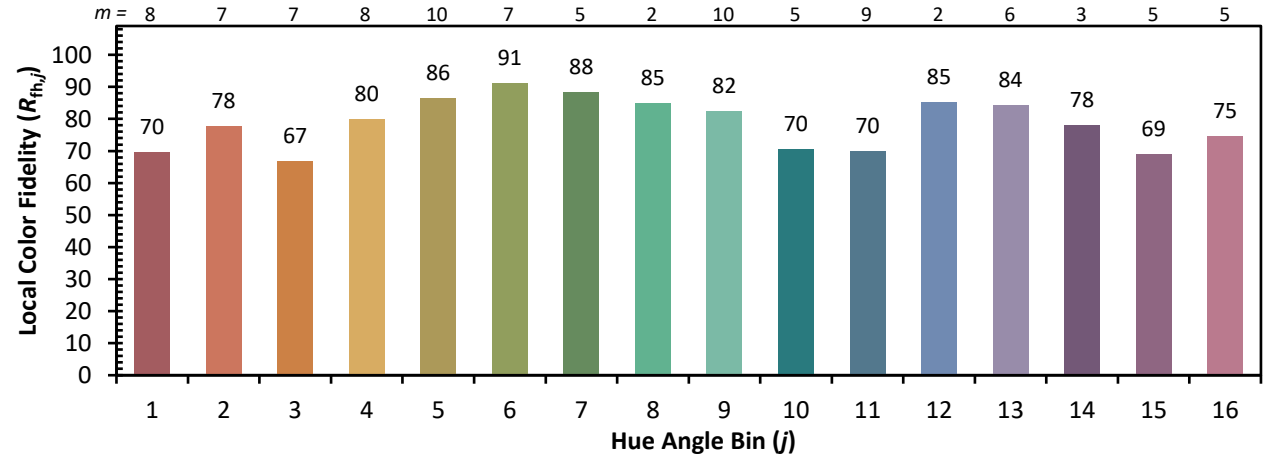
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Color Rendition by Hue-Angle Bin



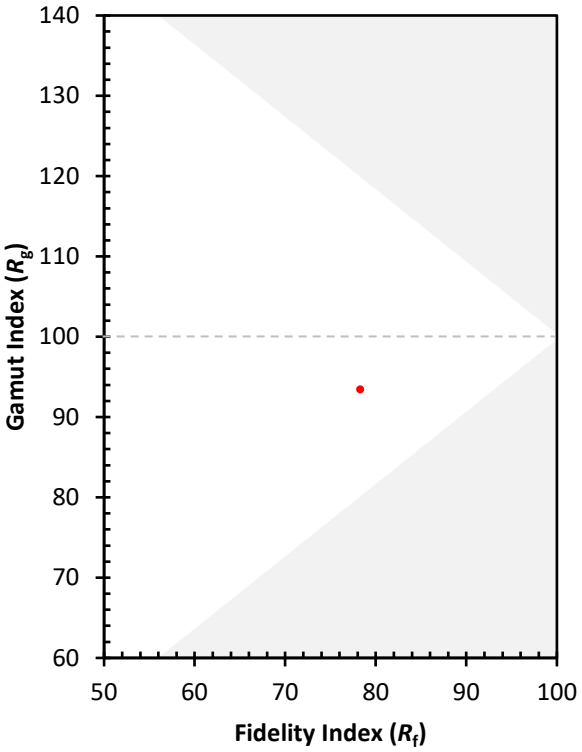


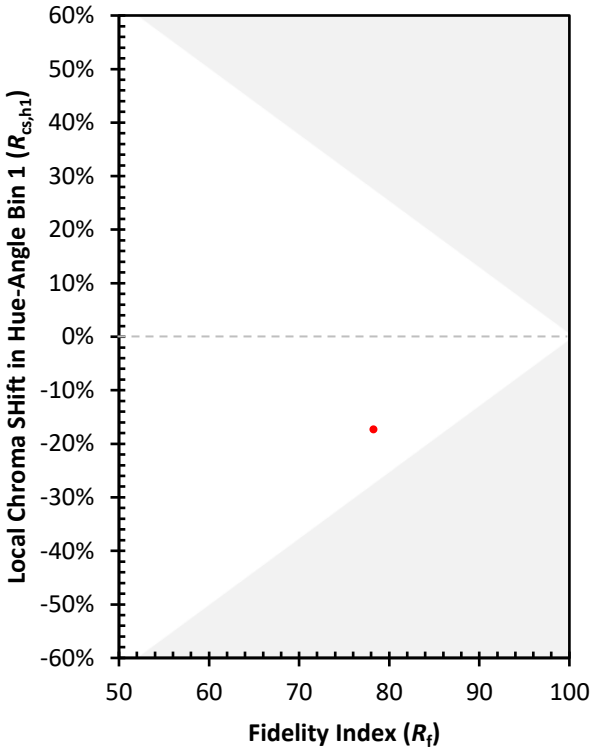


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Measure Comparisons





(END OF REPORT)