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: P1224006

Luminaire Tested: **FFX-CLB-80-750-U-VM8-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:	P1224006
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-VM8-T4
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK TYPE 4 DISTRIBUTION
Light Source:	(6) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	12714.4 lumens
Efficiency:	N/A
Efficacy:	155.4 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

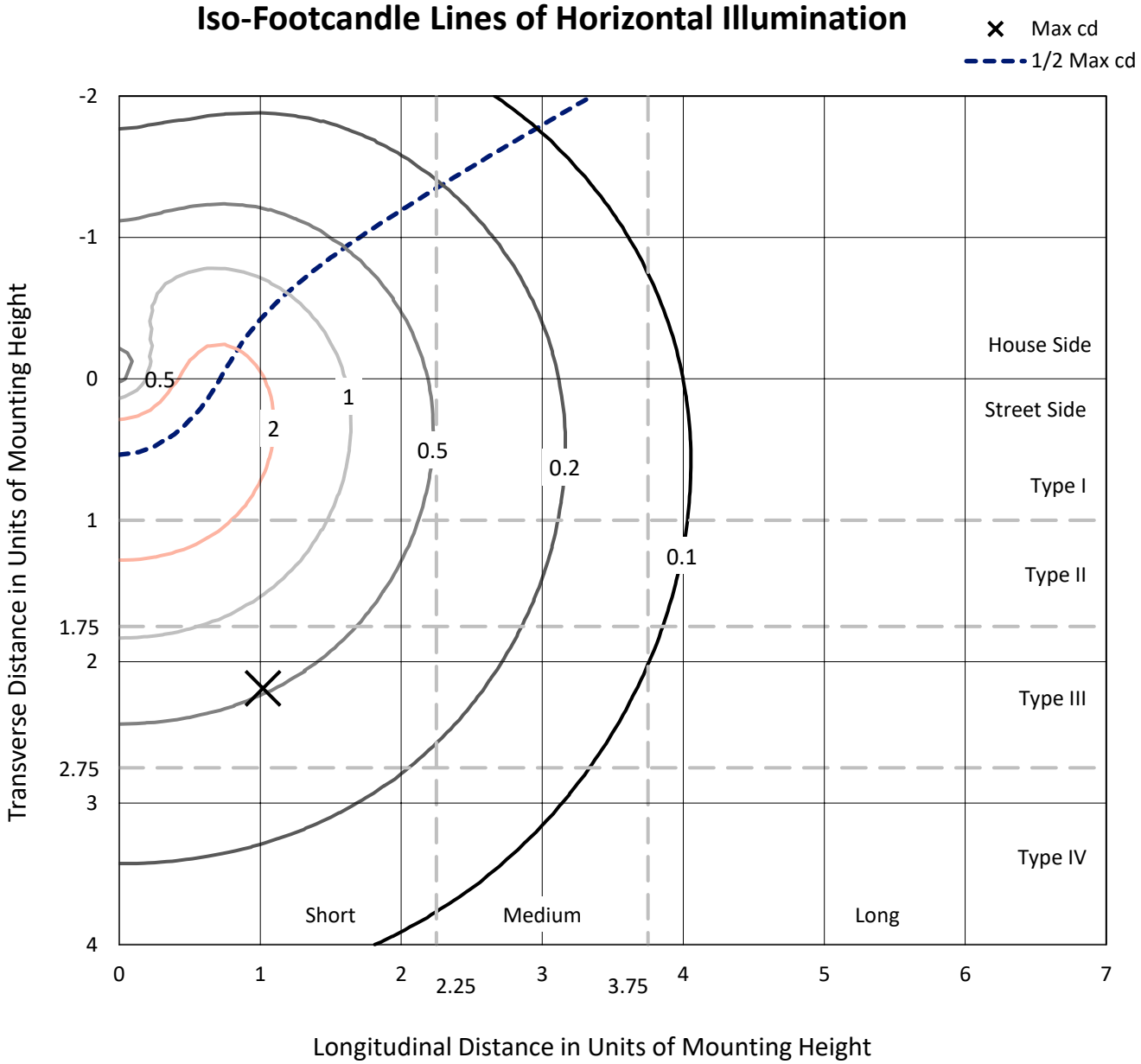


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Iso-Footcandle Lines of Horizontal Illumination



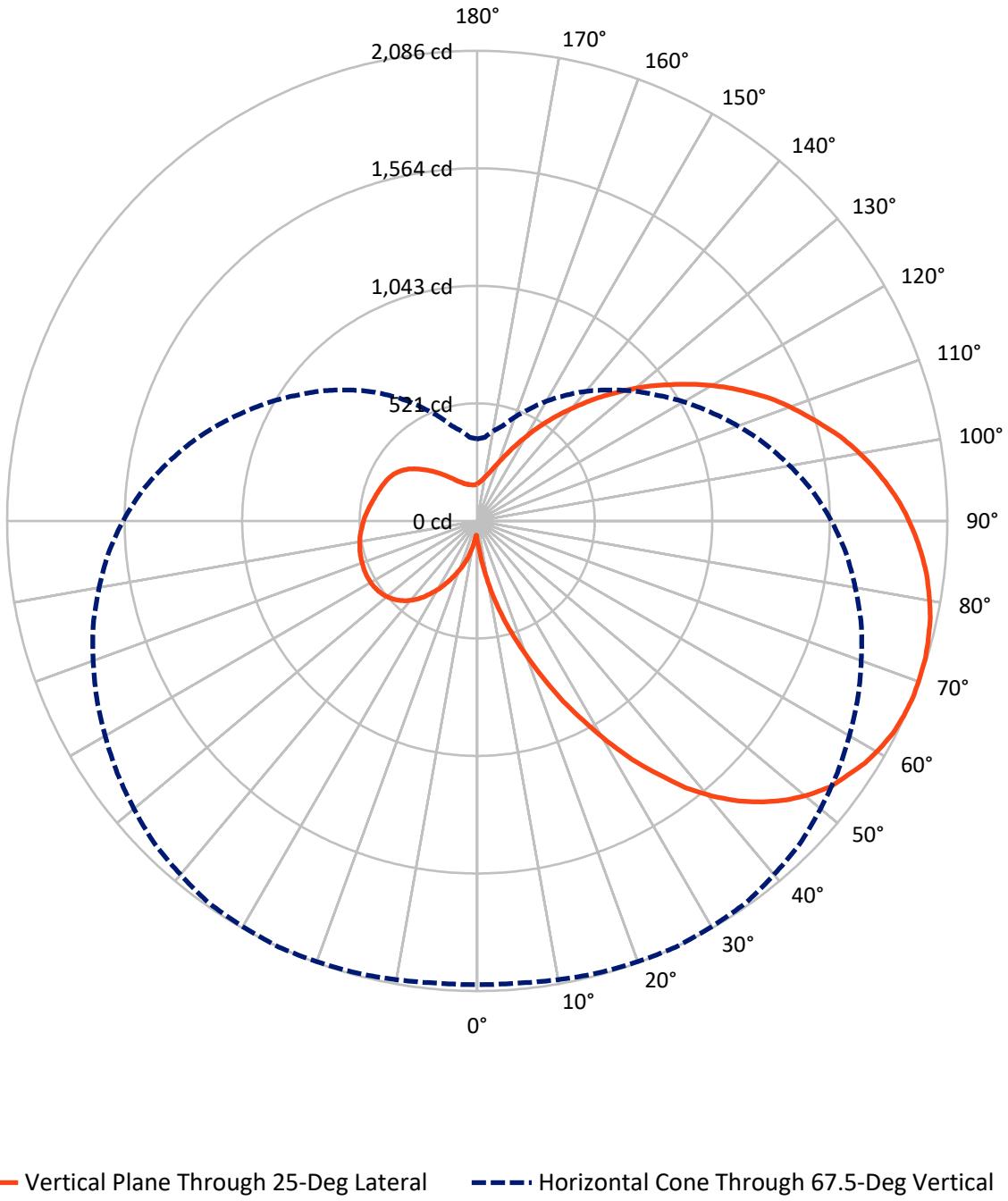
Based on 15 foot mounting height. Maximum calculated value = 3.4 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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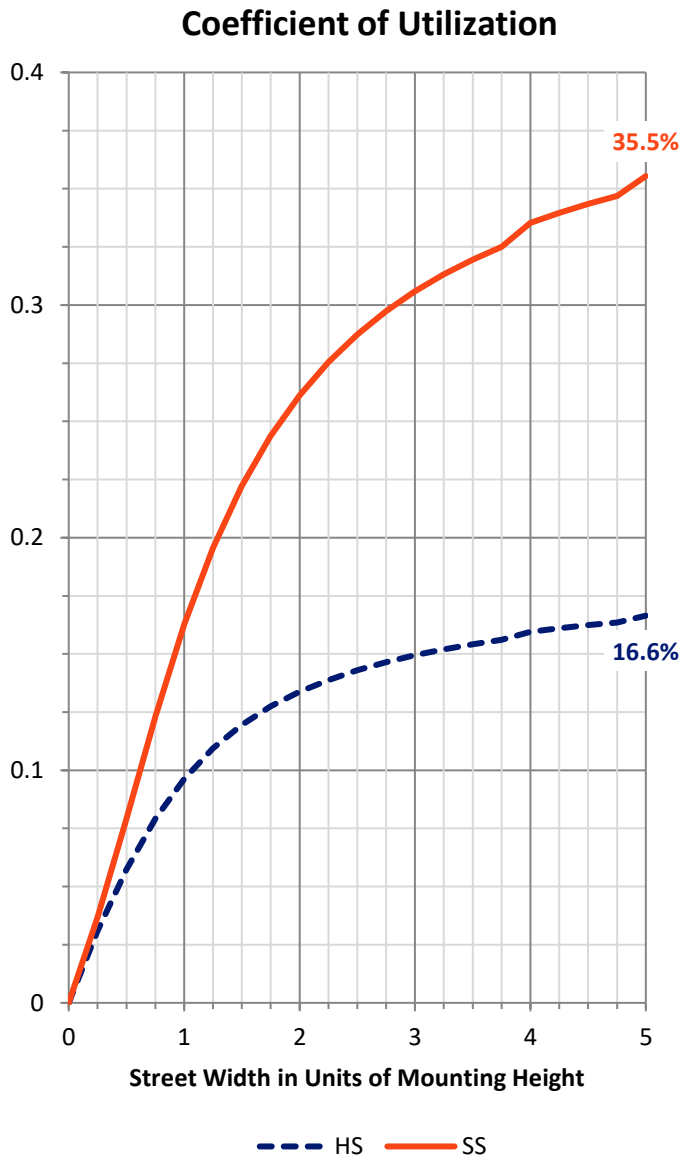
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2328.5	1779.8	4108.3
	% Fixture	18.3	14.0	32.3
Street Side	Lumens	5145.1	3461.0	8606.1
	% Fixture	40.5	27.2	67.7
Total	Lumens	7473.6	5240.9	12714.4
	% Fixture	58.8	41.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.9	0.1
10°-20°	96.7	0.8
20°-30°	289.6	2.3
30°-40°	596.1	4.7
40°-50°	930.7	7.3
50°-60°	1205.4	9.5
60°-70°	1389.9	10.9
70°-80°	1478.8	11.6
80°-90°	1472.4	11.6
90°-100°	1373.6	10.8
100°-110°	1200.7	9.4
110°-120°	983.3	7.7
120°-130°	731.2	5.8
130°-140°	475.6	3.7
140°-150°	269.4	2.1
150°-160°	132.8	1.0
160°-170°	58.0	0.5
170°-180°	16.3	0.1
0°-90°	7473.6	58.8
0°-180°	12714.4	100.0



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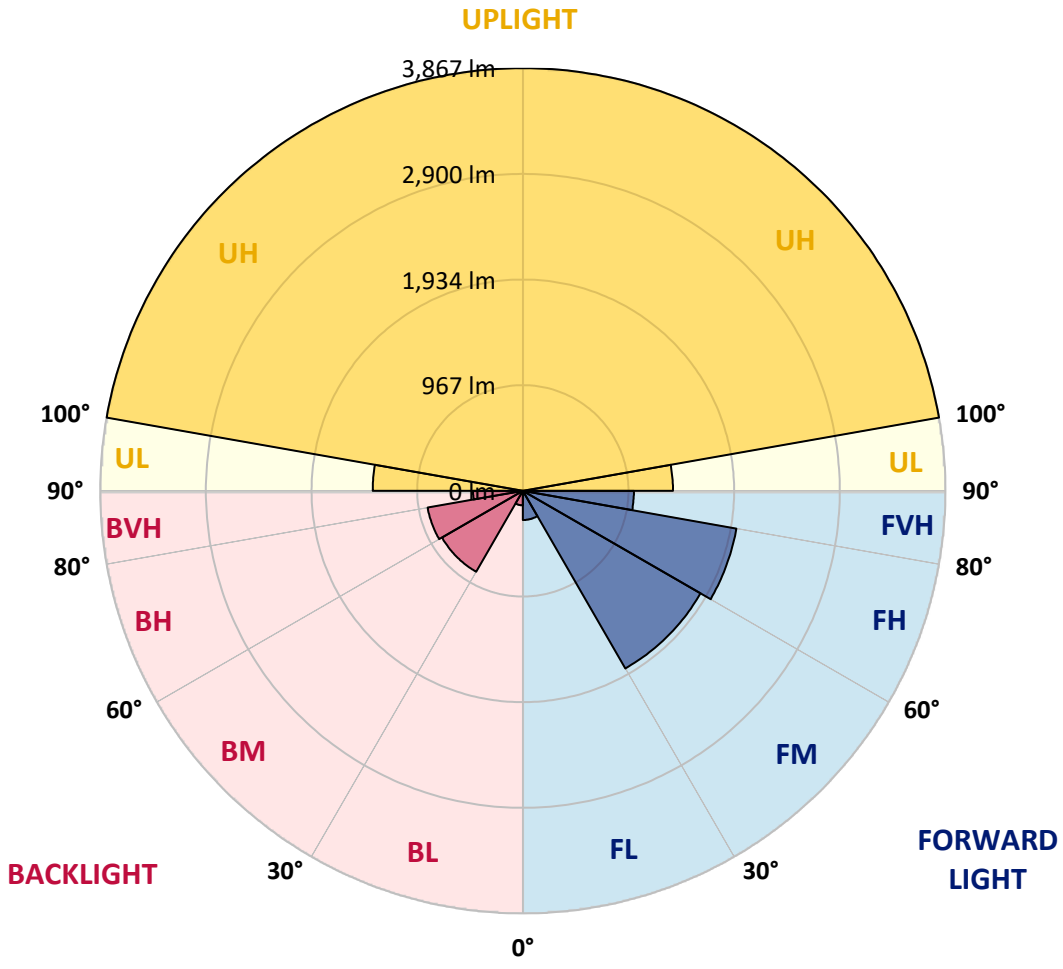
Scaled Data Report

REPORT NUMBER: P1224006
CATALOG NUMBER: FFX-CLB-80-750-U-VM8-T4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	267.1	2.1			
FM	(30°-60°)	1877.3	14.8			
FH	(60°-80°)	1984.3	15.6			G2/5000
FVH	(80°-90°)	1016.3	8.0			G5
BL	(0°-30°)	133.2	1.0	B1/500		
BM	(30°-60°)	854.9	6.7	B1/1000		
BH	(60°-80°)	884.4	7.0	B2/1000		G2/1000
BVH	(80°-90°)	456.1	3.6			G3/500
UL	(90°-100°)	1373.6	10.8		U5	
UH	(100°-180°)	3867.2	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°	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
2.5°	109.8	109.8	110.6	110.6	109.0	109.8	108.2	105.7	104.1	100.1	98.5
5°	159.8	157.4	158.2	156.6	153.4	151.7	145.3	140.4	132.4	123.5	119.5
7.5°	222.0	222.8	219.5	215.5	214.7	205.8	204.2	188.9	182.4	167.1	163.0
10°	298.6	297.0	293.8	293.0	285.7	276.8	263.1	255.0	234.1	222.8	213.9
12.5°	382.6	383.4	377.7	372.1	365.6	353.5	334.9	322.0	305.1	281.7	270.4
15°	473.0	469.7	469.7	463.3	453.6	439.9	425.3	406.8	382.6	357.5	341.4
17.5°	556.9	563.4	560.9	552.9	544.0	527.0	511.7	485.9	459.2	431.8	411.6
20°	661.8	663.4	659.4	652.1	644.1	624.7	606.1	580.3	547.2	504.4	487.5
22.5°	767.6	770.8	770.8	766.8	755.5	738.5	708.6	680.4	639.2	596.5	568.2
25°	889.4	887.0	889.4	887.0	868.4	853.1	822.4	788.5	744.2	691.7	657.8
27.5°	1012.1	1015.3	1008.9	1003.2	996.0	971.8	938.7	895.9	840.2	785.3	749.0
30°	1131.6	1138.8	1138.8	1132.4	1121.1	1096.9	1059.7	1013.7	952.4	883.0	840.2
32.5°	1256.7	1259.1	1262.3	1261.5	1248.6	1225.2	1184.0	1121.9	1053.3	976.6	934.6
35°	1389.0	1381.8	1383.4	1378.5	1372.9	1343.8	1296.2	1236.5	1162.2	1076.7	1025.8
37.5°	1498.8	1495.6	1498.0	1502.0	1486.7	1456.8	1401.9	1332.5	1251.0	1161.4	1110.6
40°	1602.9	1600.5	1604.5	1605.3	1590.0	1555.3	1497.2	1430.2	1342.2	1238.9	1191.3
42.5°	1690.1	1690.1	1694.1	1699.0	1682.8	1645.7	1586.8	1506.9	1416.5	1312.4	1254.2
45°	1770.8	1768.4	1776.4	1778.9	1762.7	1725.6	1659.4	1578.7	1481.8	1376.1	1315.6
47.5°	1835.4	1836.2	1844.2	1849.1	1834.6	1792.6	1725.6	1640.0	1539.2	1428.6	1366.4
50°	1888.6	1895.9	1903.2	1908.8	1893.5	1851.5	1782.1	1689.3	1588.4	1477.0	1412.4
52.5°	1941.9	1941.9	1953.2	1960.5	1943.5	1899.9	1827.3	1736.9	1633.6	1515.7	1452.8
55°	1975.8	1976.6	1990.3	1992.7	1982.3	1937.1	1862.8	1772.4	1669.1	1550.5	1483.5
57.5°	2005.7	2006.5	2021.8	2027.5	2012.9	1969.3	1893.5	1799.8	1699.0	1577.9	1510.1
60°	2031.5	2030.7	2043.6	2051.7	2037.1	1991.1	1916.9	1825.7	1722.4	1602.9	1532.7
62.5°	2047.6	2047.6	2063.0	2071.0	2055.7	2010.5	1934.6	1844.2	1740.9	1619.9	1550.5
65°	2054.9	2056.5	2071.0	2080.7	2066.2	2020.2	1944.3	1855.5	1753.8	1633.6	1563.4
67.5°	2057.3	2058.1	2075.9	2085.6	2071.8	2025.0	1950.0	1862.8	1763.5	1642.5	1571.4
70°	2058.9	2059.7	2073.5	2083.1	2071.0	2024.2	1951.6	1866.0	1769.2	1647.3	1576.3
72.5°	2050.1	2052.5	2067.8	2079.1	2064.6	2018.6	1947.5	1866.0	1768.4	1650.5	1577.9
75°	2038.8	2044.4	2058.1	2067.8	2054.9	2010.5	1941.1	1862.8	1767.6	1648.9	1577.9
77.5°	2027.5	2028.3	2046.0	2054.9	2041.2	1996.0	1929.8	1854.7	1762.7	1644.1	1572.2
80°	2004.9	2009.7	2025.0	2033.1	2021.0	1978.2	1913.7	1843.4	1753.8	1636.0	1563.4
82.5°	1988.7	1987.1	2002.4	2009.7	1997.6	1953.2	1895.1	1825.7	1740.9	1622.3	1551.3
85°	1958.0	1961.3	1973.4	1979.8	1966.1	1925.8	1870.1	1807.9	1723.2	1606.9	1535.1
87.5°	1929.0	1930.6	1938.7	1945.9	1932.2	1893.5	1841.8	1782.9	1701.4	1587.6	1517.4
90°	1892.7	1893.5	1902.4	1908.0	1895.9	1859.6	1812.0	1754.6	1678.0	1565.8	1495.6
92.5°	1858.8	1857.2	1863.6	1866.0	1855.5	1820.0	1777.2	1724.0	1649.7	1539.2	1471.4
95°	1814.4	1813.6	1819.2	1817.6	1806.3	1775.6	1736.9	1690.1	1616.6	1510.9	1443.9
97.5°	1765.1	1765.9	1769.2	1767.6	1755.5	1727.2	1697.3	1650.5	1582.7	1477.8	1413.2
100°	1710.3	1712.7	1717.5	1712.7	1702.2	1681.2	1649.7	1611.0	1544.0	1444.7	1381.0
102.5°	1664.3	1657.8	1656.2	1655.4	1644.9	1626.3	1602.1	1568.2	1506.1	1408.4	1347.1
105°	1603.7	1599.7	1598.9	1590.0	1586.0	1570.6	1550.5	1519.8	1464.1	1372.1	1312.4
107.5°	1540.0	1540.8	1537.5	1527.0	1521.4	1510.9	1499.6	1472.2	1418.9	1331.7	1276.8
110°	1482.7	1478.6	1469.7	1464.9	1460.9	1452.0	1444.7	1423.7	1374.5	1293.0	1238.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1411.6	1414.1	1403.6	*1400.3*	1393.9	1393.1	1388.2	1371.3	1327.7	1251.8	1200.2
115°	1347.9	1346.3	1335.8	*1329.3*	1326.9	1328.5	1331.7	1319.6	1279.3	1207.4	1159.8
117.5°	1277.6	1272.8	1265.5	*1259.1*	1255.9	1262.3	1269.6	1263.9	1230.0	1162.2	1117.0
120°	1202.6	1203.4	1192.9	*1186.4*	1187.3	1197.7	1207.4	1204.2	1171.9	1111.4	1071.0
122.5°	1132.4	1128.3	1119.5	*1113.0*	1118.6	1129.9	1141.2	1140.4	1112.2	1053.3	1017.0
125°	1055.7	1054.9	1046.0	*1039.6*	1044.4	1057.3	1071.0	1072.6	1046.0	996.8	960.5
127.5°	983.1	980.6	979.0	*971.8*	975.0	992.7	1002.4	1001.6	978.2	933.0	901.5
130°	913.6	912.8	903.2	*899.9*	904.0	918.5	928.2	926.6	908.0	868.4	840.2
132.5°	843.4	840.2	836.2	*831.3*	834.5	846.7	859.6	858.0	836.2	798.2	775.6
135°	774.0	771.6	768.4	*765.1*	767.6	779.7	791.0	787.7	769.2	735.3	712.7
137.5°	710.3	707.8	703.8	*699.8*	703.0	712.7	719.9	717.5	702.2	669.9	648.1
140°	644.1	645.7	640.8	*637.6*	639.2	648.9	654.6	651.3	634.4	607.8	590.0
142.5°	583.5	583.5	581.1	*580.3*	582.7	587.6	592.4	586.0	574.7	547.2	532.7
145°	525.4	526.2	525.4	*523.8*	524.6	530.3	531.1	528.7	515.7	495.6	479.4
147.5°	470.5	473.0	471.4	*471.4*	472.2	474.6	477.8	472.2	460.9	443.1	431.8
150°	419.7	421.3	421.3	*419.7*	419.7	422.9	422.9	418.9	410.0	395.5	385.0
152.5°	375.3	376.1	376.1	*374.5*	375.3	376.1	374.5	369.7	362.4	351.1	343.0
155°	334.9	336.6	334.1	*334.9*	332.5	333.3	332.5	329.3	321.2	311.5	306.7
157.5°	298.6	301.1	299.4	*299.4*	297.8	297.0	296.2	293.0	287.3	279.3	273.6
160°	269.6	271.2	268.8	*268.8*	267.2	267.2	263.9	262.3	256.7	249.4	246.2
162.5°	244.6	244.6	243.7	*244.6*	243.7	241.3	239.7	236.5	231.6	226.0	223.6
165°	224.4	223.6	223.6	*222.8*	222.0	220.3	217.9	216.3	211.5	206.6	205.0
167.5°	209.0	208.2	207.4	*206.6*	205.0	204.2	201.8	200.2	196.1	192.1	190.5
170°	196.1	196.1	194.5	*193.7*	192.9	191.3	188.9	186.4	183.2	180.8	179.2
172.5°	184.8	184.8	184.0	*183.2*	182.4	180.8	178.4	176.8	174.3	171.9	170.3
175°	176.8	176.8	175.9	*174.3*	173.5	171.9	170.3	168.7	166.3	164.6	163.8
177.5°	170.3	170.3	170.3	*168.7*	167.9	166.3	164.6	163.0	162.2	160.6	160.6
180°	162.2	162.2	162.2	*162.2*	162.2	162.2	162.2	162.2	162.2	162.2	162.2

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
2.5°	96.0	91.2	87.2	80.7	75.1	70.2	67.0	64.6	63.0	61.3
5°	114.6	105.7	96.9	87.2	78.3	70.2	63.8	58.9	56.5	56.5
7.5°	156.6	142.9	127.5	113.8	103.3	92.8	83.1	77.5	74.3	72.6
10°	205.0	184.8	169.5	152.5	134.0	121.1	109.8	102.5	98.5	99.3
12.5°	263.1	238.1	218.7	193.7	173.5	153.4	141.2	130.8	125.9	125.1
15°	327.7	298.6	270.4	240.5	213.9	190.5	172.7	159.0	150.9	150.1
17.5°	395.5	359.2	321.2	287.3	252.6	223.6	199.4	183.2	174.3	174.3
20°	464.1	422.9	378.5	334.1	292.2	256.7	228.4	207.4	196.1	194.5
22.5°	543.2	490.7	437.5	383.4	335.8	291.4	255.0	230.0	217.9	215.5
25°	629.5	567.4	503.6	439.9	381.0	327.7	285.7	257.5	240.5	238.1
27.5°	719.1	644.1	569.0	494.8	426.2	367.2	316.4	280.1	263.1	260.7
30°	807.1	724.8	637.6	550.4	473.0	405.2	347.1	305.1	284.1	280.9
32.5°	893.5	799.8	703.8	606.9	522.2	443.1	375.3	330.1	304.3	301.1
35°	975.8	878.9	766.8	662.6	565.8	481.0	405.2	352.7	323.6	320.4
37.5°	1056.5	946.7	828.9	714.3	609.4	513.3	432.6	373.7	341.4	338.2
40°	1133.2	1011.3	883.0	761.9	647.3	545.6	456.0	392.3	355.9	351.9
42.5°	1192.1	1067.0	933.0	802.3	680.4	569.8	477.0	406.8	367.2	361.6
45°	1251.0	1117.0	975.8	837.8	709.4	593.2	493.9	419.7	377.7	371.3
47.5°	1299.4	1159.8	1010.5	866.8	733.7	613.4	508.5	428.6	384.2	377.7
50°	1345.4	1197.7	1042.8	893.5	755.5	631.2	520.6	435.8	388.2	381.8
52.5°	1381.0	1229.2	1068.6	914.5	773.2	644.1	530.3	440.7	390.6	383.4
55°	1410.8	1255.1	1089.6	930.6	786.9	655.4	537.5	443.1	390.6	383.4
57.5°	1435.8	1275.2	1106.5	945.1	797.4	662.6	542.4	443.9	388.2	381.0
60°	1457.6	1293.8	1120.3	956.4	807.1	669.9	545.6	443.9	385.8	377.7
62.5°	1475.4	1306.7	1130.8	965.3	814.4	675.5	547.2	442.3	381.0	372.9
65°	1485.9	1315.6	1137.2	970.1	818.4	677.2	547.2	439.9	376.1	368.0
67.5°	*1494.8*	*1321.2*	*1141.2*	*972.6*	*820.8*	*678.8*	*546.4*	*435.8*	*371.3*	*363.2*
70°	1498.8	1323.7	1142.9	974.2	822.4	678.0	544.0	432.6	366.4	356.7
72.5°	1499.6	1324.5	1142.1	974.2	822.4	678.0	541.6	427.8	360.8	351.9
75°	1498.0	1322.0	1139.6	973.4	821.6	675.5	539.1	423.7	355.9	346.2
77.5°	1493.1	1317.2	1135.6	970.1	817.6	673.1	534.3	418.9	350.3	341.4
80°	1485.1	1309.1	1129.1	964.5	812.8	668.3	530.3	414.0	345.4	336.6
82.5°	1473.0	1298.6	1121.1	957.2	807.9	662.6	525.4	409.2	340.6	331.7
85°	1458.4	1285.7	1109.0	948.4	800.6	656.2	519.0	403.6	335.8	326.9
87.5°	1438.3	1269.6	1096.1	937.9	791.0	648.1	511.7	398.7	331.7	322.8
90°	1418.9	1251.8	1082.3	926.6	782.1	640.8	505.2	393.1	328.5	319.6
92.5°	1396.3	1230.8	1065.4	913.6	770.0	631.2	498.8	388.2	325.3	317.2
95°	1370.5	1208.2	1047.6	898.3	758.7	621.5	490.7	383.4	322.0	314.8
97.5°	1341.4	1184.0	1028.3	882.2	745.0	611.0	483.5	379.3	320.4	312.4
100°	1311.5	1156.6	1007.3	866.0	731.2	599.7	476.2	375.3	319.6	312.4
102.5°	1277.6	1131.6	986.3	849.9	717.5	589.2	468.9	372.9	319.6	312.4
105°	1245.4	1102.5	963.7	832.1	703.8	578.7	462.5	371.3	320.4	314.0
107.5°	1210.7	1075.1	941.1	813.6	688.5	568.2	456.8	369.7	322.0	315.6
110°	1178.4	1048.4	920.1	795.8	674.7	558.5	451.2	368.8	323.6	318.0

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

Scaled Data Report

REPORT NUMBER: P1224006
CATALOG NUMBER: FFX-CLB-80-750-U-VM8-T4

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1142.9	1019.4	896.7	776.4	660.2	547.2	445.5	367.2	325.3	320.4
115°	1105.7	988.7	873.3	757.1	643.3	536.7	439.9	366.4	326.9	322.0
117.5°	1065.4	955.6	845.0	734.5	625.5	523.8	431.8	363.2	326.9	322.0
120°	1021.8	920.9	814.4	710.3	605.3	508.5	423.7	359.2	325.3	321.2
122.5°	974.2	879.7	778.9	679.6	582.7	490.7	411.6	351.9	321.2	317.2
125°	921.7	833.7	742.5	646.5	554.5	470.5	397.1	343.8	314.8	311.5
127.5°	866.8	786.1	699.0	611.8	527.8	448.8	381.8	331.7	305.9	302.7
130°	805.5	732.9	653.8	573.0	496.4	423.7	363.2	318.0	294.6	291.4
132.5°	746.6	680.4	609.4	537.5	463.3	399.5	343.0	302.7	282.5	279.3
135°	685.2	627.1	563.4	495.6	432.6	372.9	322.8	287.3	268.8	266.3
137.5°	625.5	576.3	516.5	456.8	401.1	347.1	303.5	272.8	255.9	254.2
140°	569.8	523.8	473.8	421.3	369.7	322.8	284.9	256.7	242.9	240.5
142.5°	515.7	476.2	431.0	386.6	339.0	299.4	266.3	241.3	230.0	228.4
145°	464.9	431.8	392.3	351.9	311.5	276.8	248.6	227.6	217.9	217.1
147.5°	417.3	389.8	355.1	321.2	287.3	258.3	232.4	216.3	207.4	206.6
150°	373.7	348.7	321.2	292.2	263.9	238.1	218.7	204.2	196.9	196.1
152.5°	332.5	313.2	290.6	267.2	242.9	222.8	205.0	194.5	188.9	188.1
155°	297.0	281.7	263.1	242.9	224.4	208.2	194.5	186.4	181.6	181.6
157.5°	267.2	254.2	240.5	224.4	209.0	196.1	186.4	179.2	175.1	175.1
160°	241.3	230.0	219.5	207.4	196.9	186.4	179.2	173.5	170.3	170.3
162.5°	219.5	211.5	203.4	194.5	185.6	179.2	172.7	168.7	167.1	166.3
165°	201.8	196.9	190.5	184.0	178.4	172.7	168.7	166.3	164.6	164.6
167.5°	188.1	184.8	180.0	175.9	171.9	167.9	165.5	163.8	163.0	163.0
170°	177.6	175.1	171.9	169.5	167.1	164.6	163.0	162.2	161.4	161.4
172.5°	169.5	167.1	165.5	164.6	163.0	162.2	161.4	160.6	160.6	160.6
175°	163.8	162.2	162.2	161.4	160.6	160.6	159.8	159.8	159.8	160.6
177.5°	159.8	159.8	159.8	159.8	159.8	160.6	160.6	160.6	161.4	161.4
180°	162.2	162.2	162.2	162.2	162.2	162.2	162.2	162.2	162.2	162.2

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

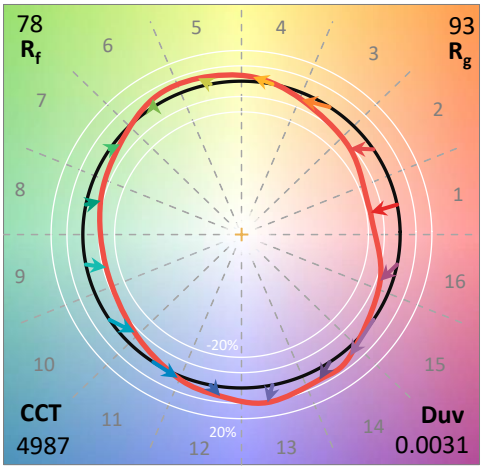
Test Information

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

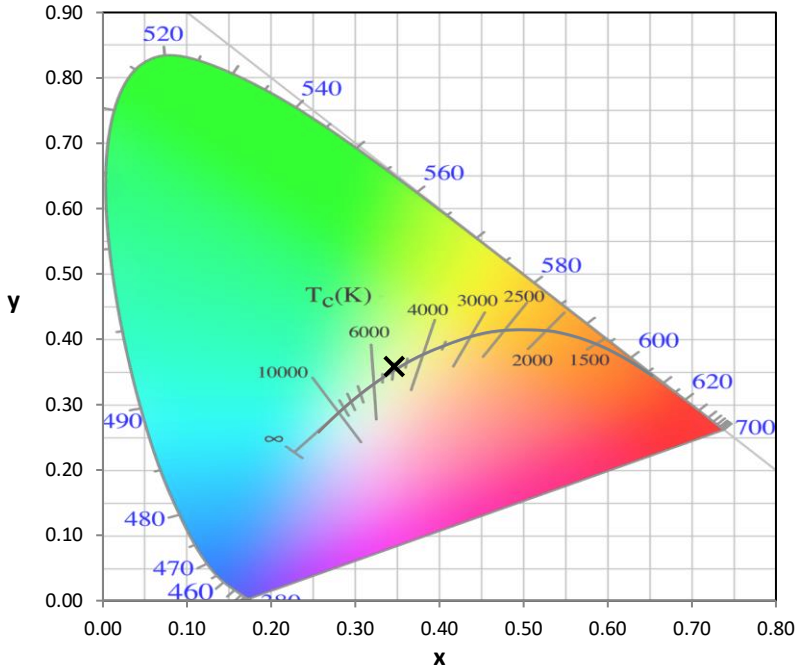
Stabilization Time:	67M
Operation Time:	2H 7M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-5

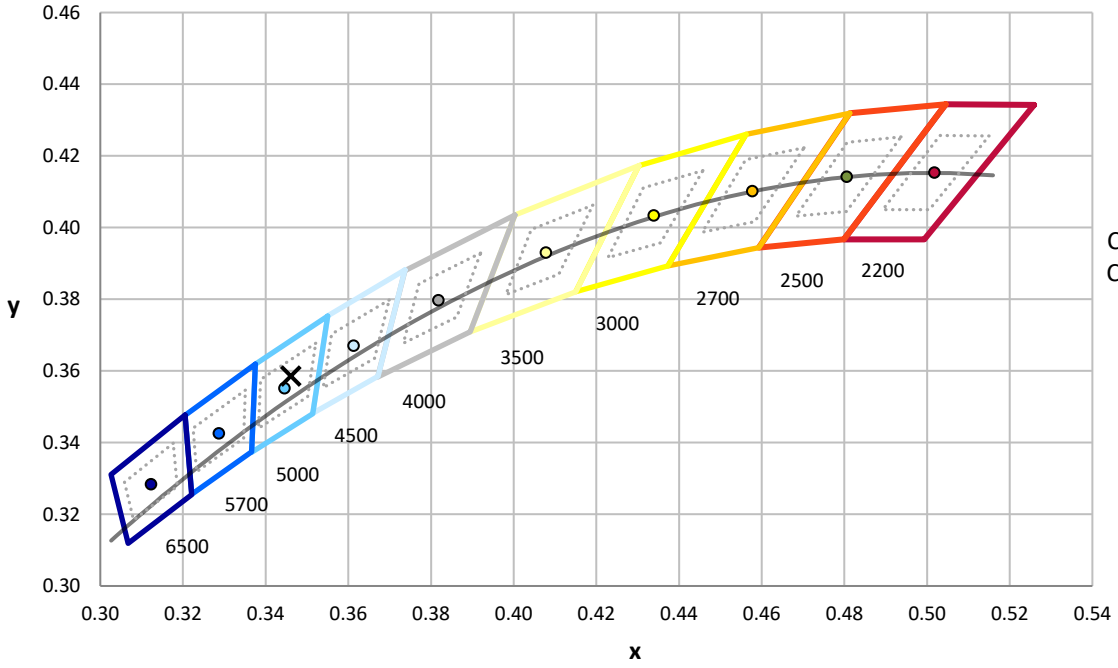
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

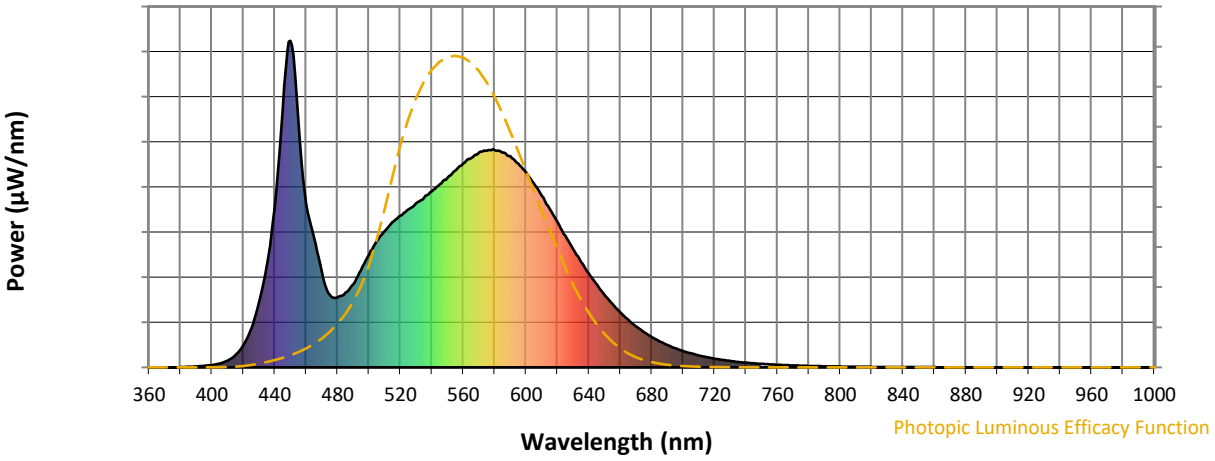


CCT = 4987K
CIE x = 0.3461
CIE y = 0.3586
Duv = 0.0031

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-5

Photopic Flux vs. Wavelength

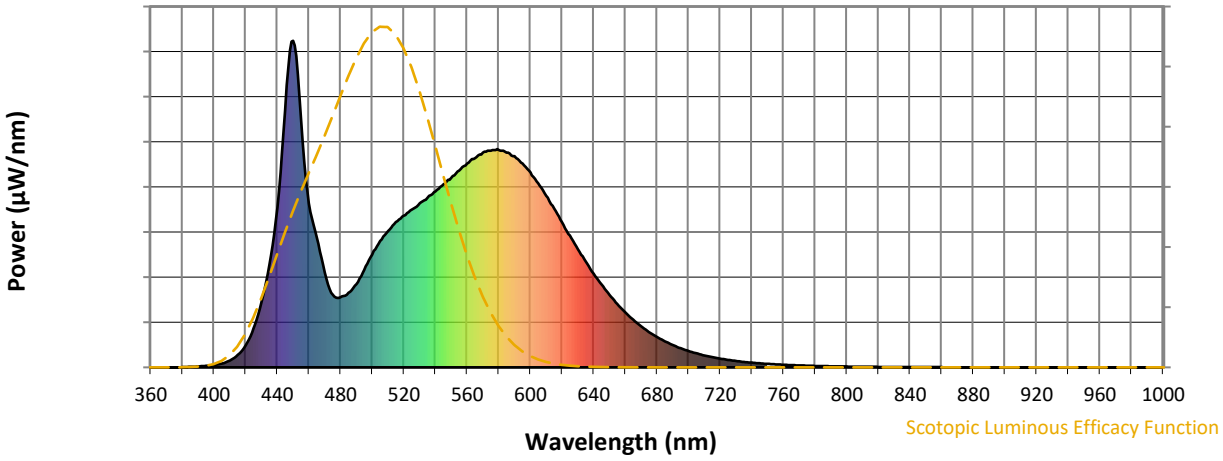


Photopic Lumens: NR

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

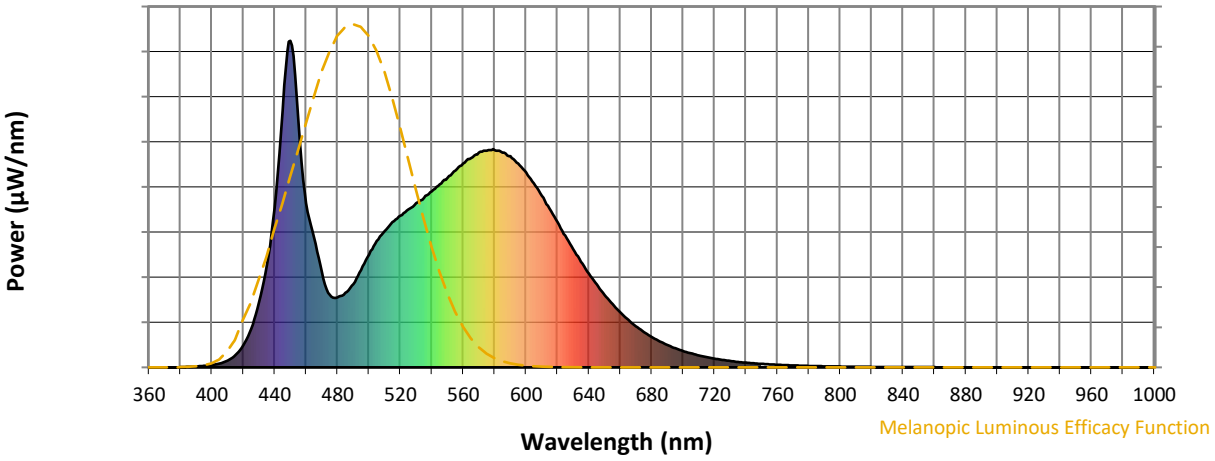


Scotopic Lumens: NR **S/P: 1.87**

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			

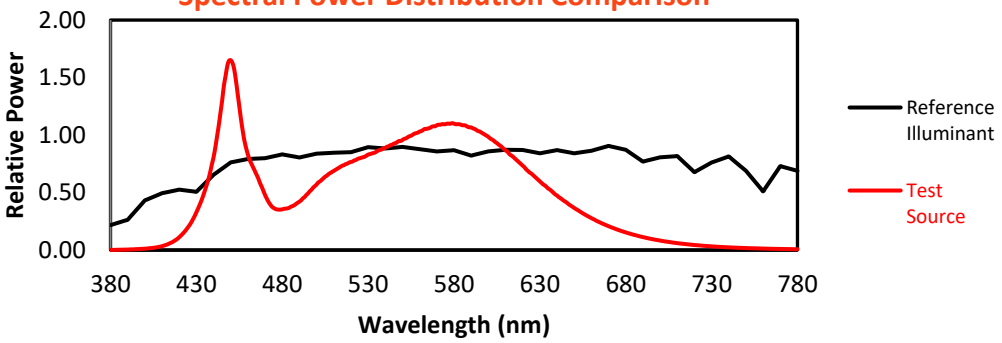
REPORT NUMBER: SP1-2501-332-5

TM-30-18

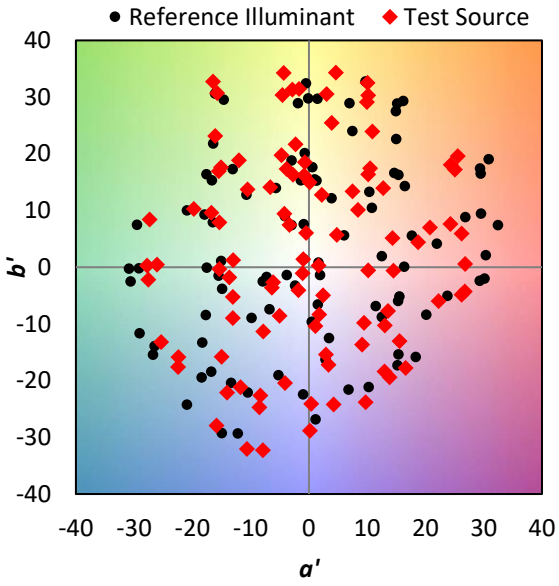
Summary

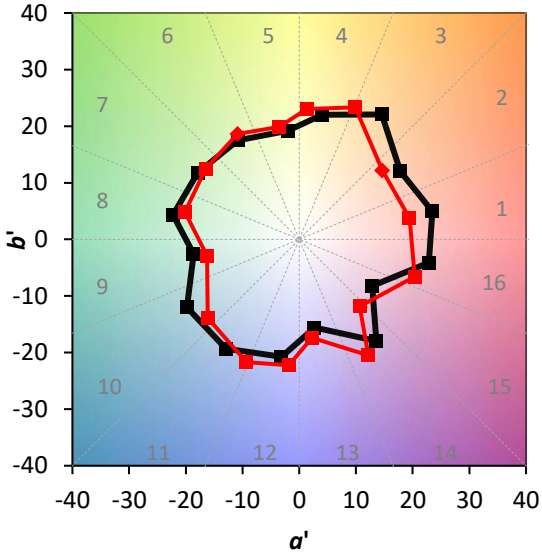
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R_g = 93.4
CIE R_a = 75.8
R_9 = -30.4

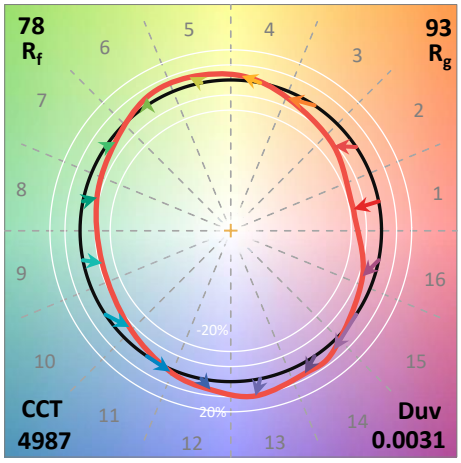
Spectral Power Distribution Comparison

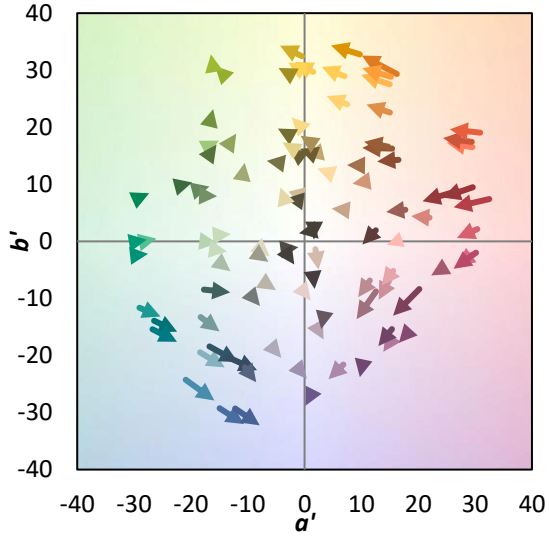


Color Vector Graphics







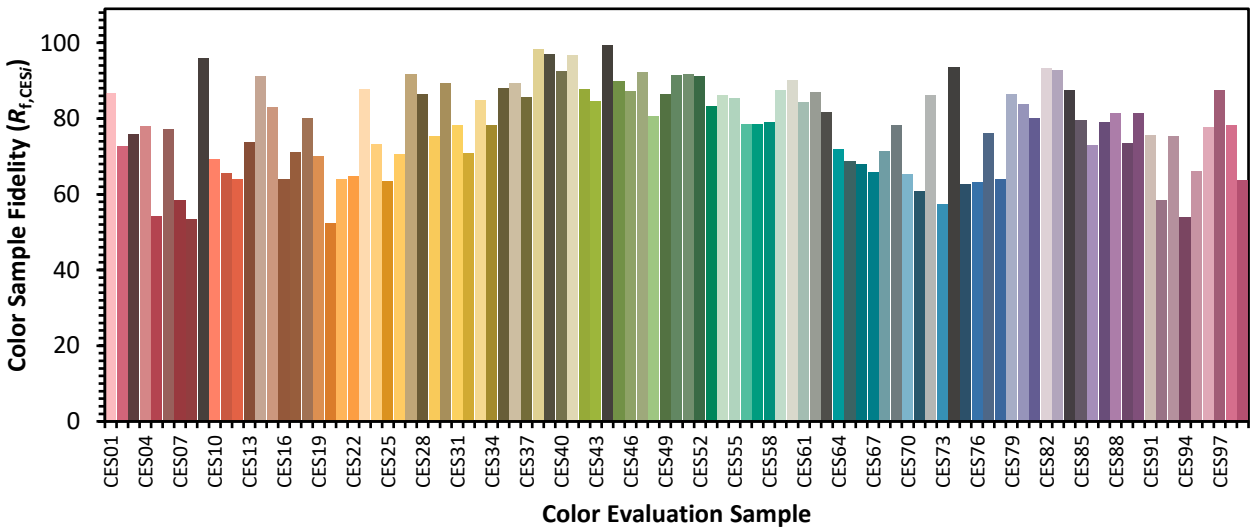


REPORT NUMBER: SP1-2501-332-5

TM-30-18

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

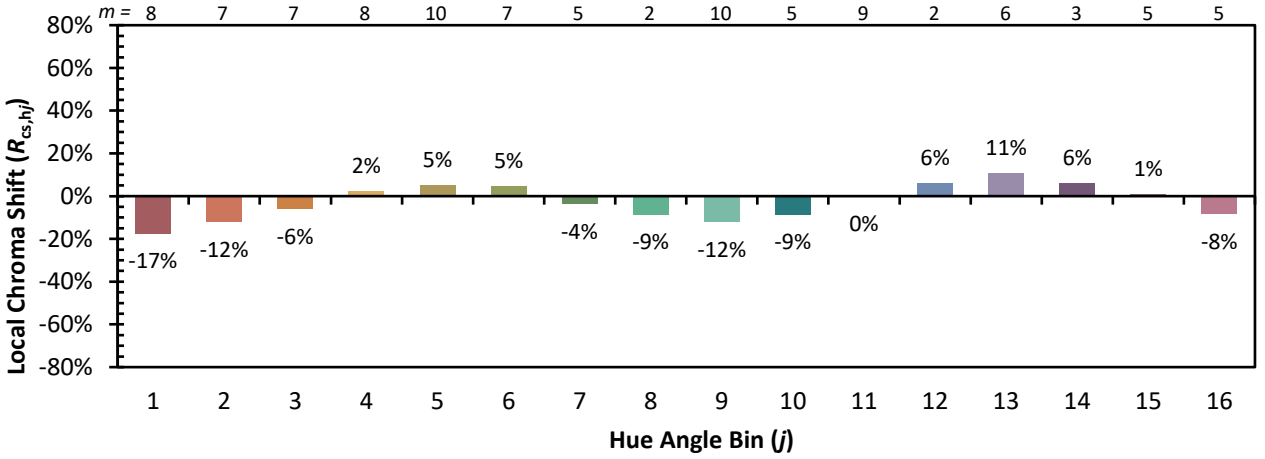
CES01 = 85	CES26 = 71	CES51 = 92	CES76 = 63
CES02 = 60	CES27 = 92	CES52 = 91	CES77 = 76
CES03 = 30	CES28 = 86	CES53 = 83	CES78 = 64
CES04 = 69	CES29 = 75	CES54 = 86	CES79 = 86
CES05 = 46	CES30 = 89	CES55 = 85	CES80 = 84
CES06 = 50	CES31 = 78	CES56 = 79	CES81 = 80
CES07 = 39	CES32 = 71	CES57 = 78	CES82 = 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	

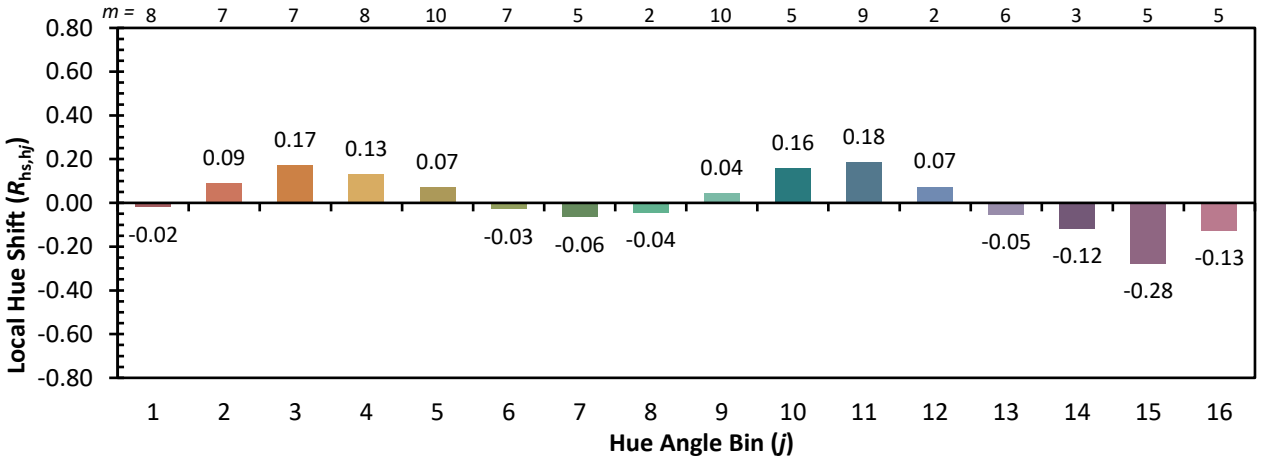


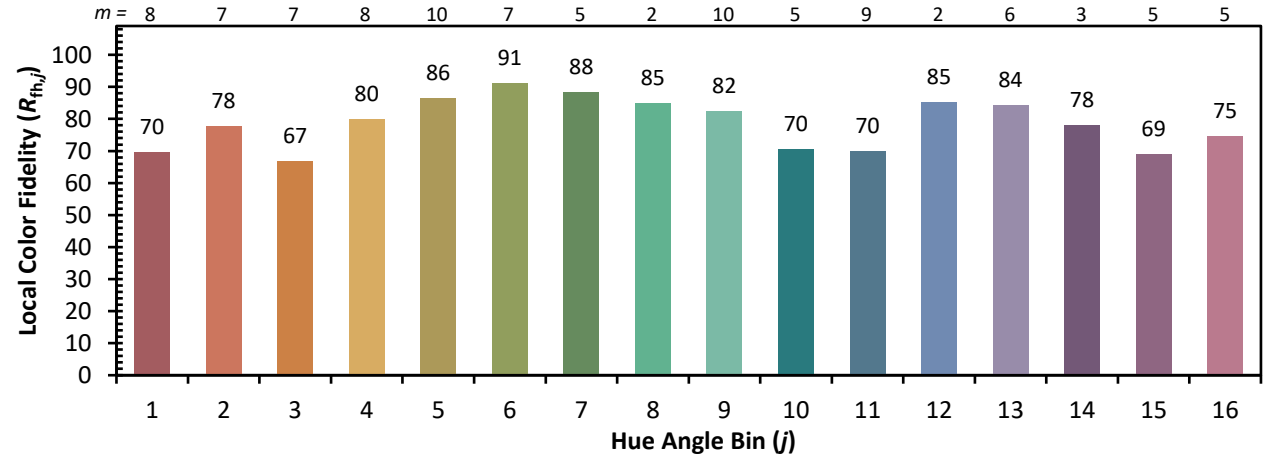
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Color Rendition by Hue-Angle Bin



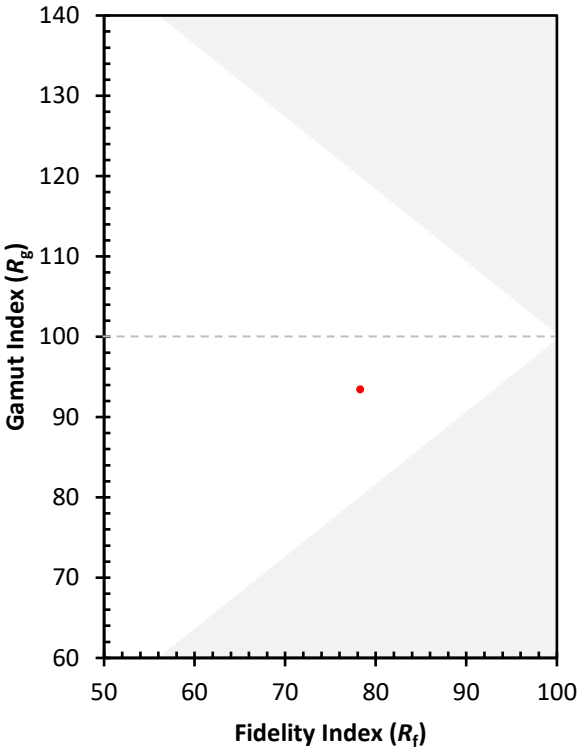


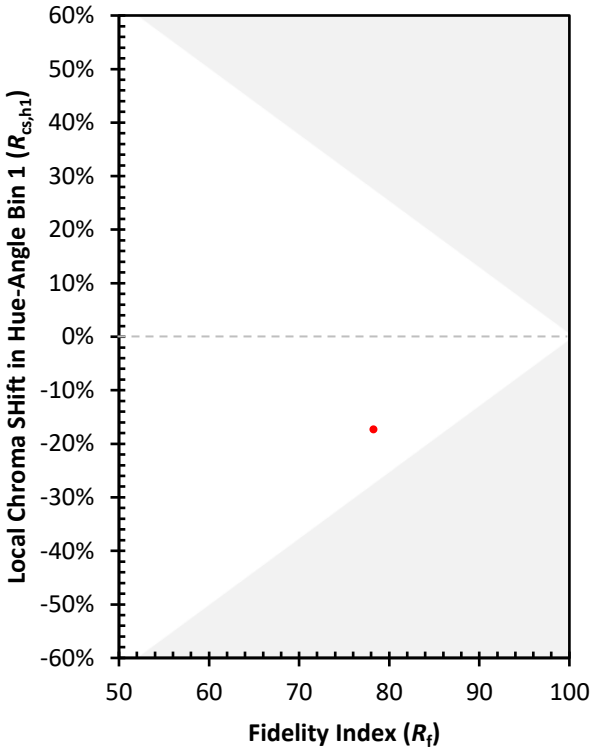


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Measure Comparisons





(END OF REPORT)