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: P1224052

Luminaire Tested: **FFX-CLB-70-750-U-VM8-T4-HSS**

Issue Date: 01/27/2026

Report Generated By 670245763

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1224052
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-70-750-U-VM8-T4-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 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:	10286.8 lumens
Efficiency:	N/A
Efficacy:	144.5 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U5 - G5

Input Watts (W):	71.2
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.93%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

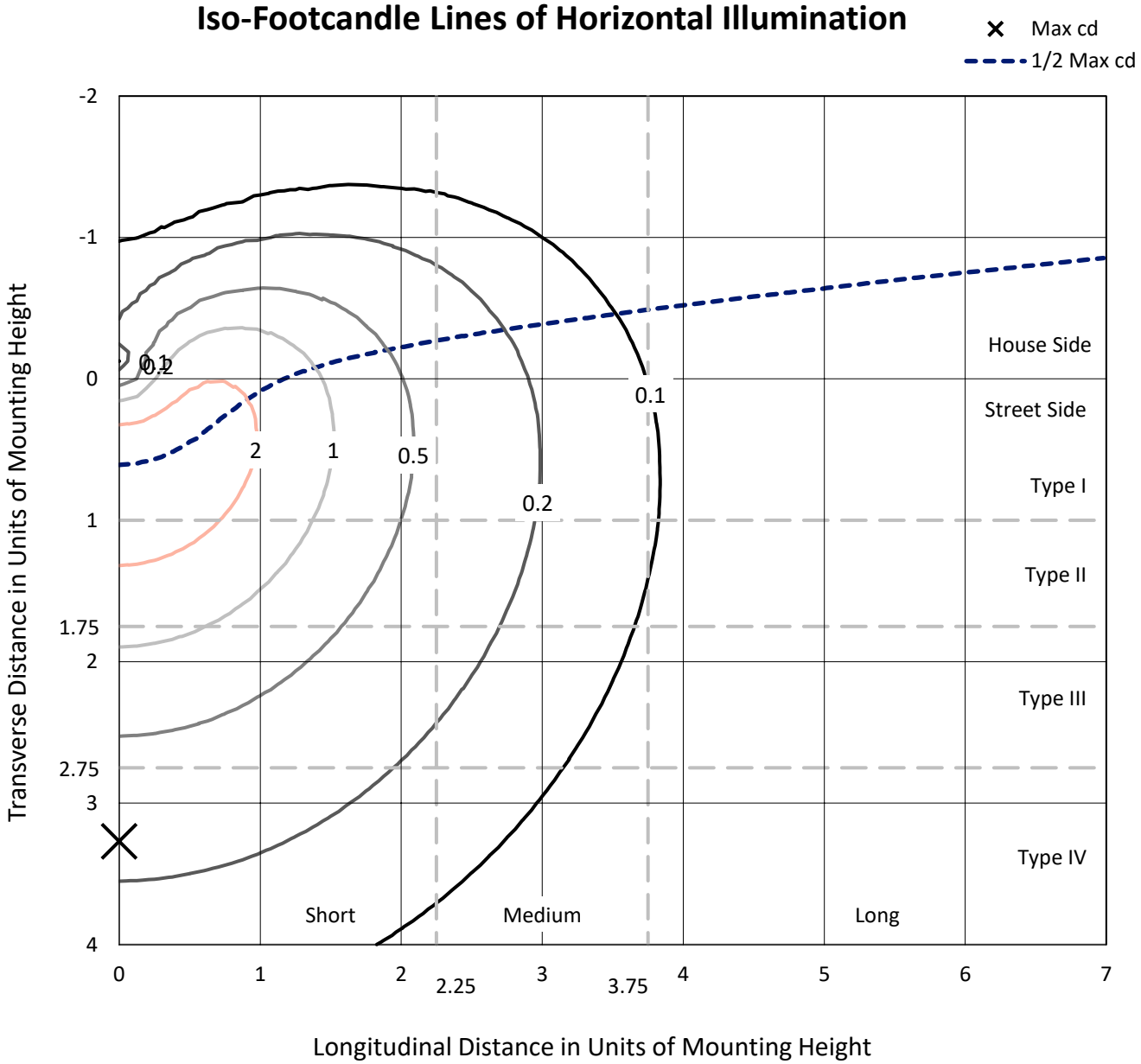


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Iso-Footcandle Lines of Horizontal Illumination



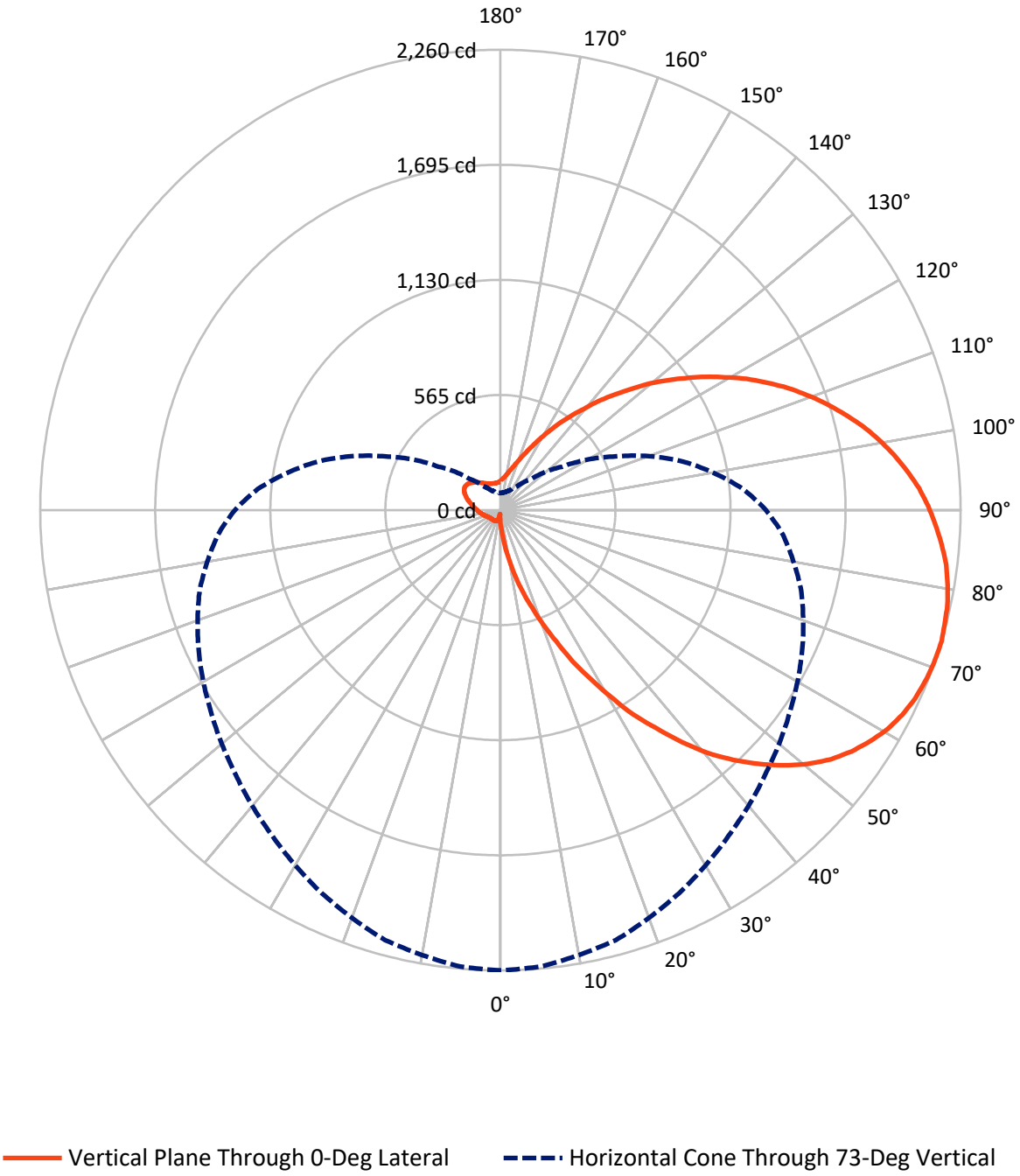
Based on 15 foot mounting height. Maximum calculated value = 3.2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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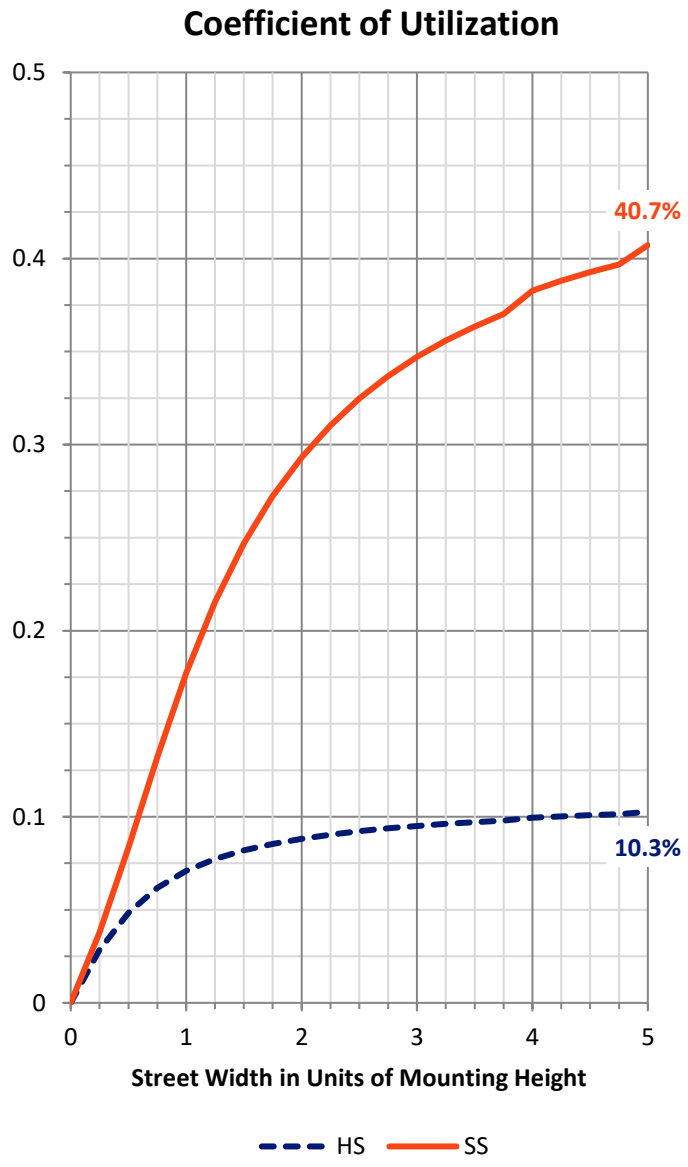
REPORT NUMBER: P1224052
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1139.4	1119.6	2259.0
	% Fixture	11.1	10.9	22.0
Street Side	Lumens	4804.0	3223.8	8027.8
	% Fixture	46.7	31.3	78.0
Total	Lumens	5943.4	4343.4	10286.8
	% Fixture	57.8	42.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.5	0.1
10°-20°	72.9	0.7
20°-30°	220.2	2.1
30°-40°	458.7	4.5
40°-50°	727.0	7.1
50°-60°	955.0	9.3
60°-70°	1112.7	10.8
70°-80°	1192.6	11.6
80°-90°	1193.6	11.6
90°-100°	1119.3	10.9
100°-110°	984.6	9.6
110°-120°	813.1	7.9
120°-130°	612.0	5.9
130°-140°	403.8	3.9
140°-150°	231.6	2.3
150°-160°	114.9	1.1
160°-170°	50.1	0.5
170°-180°	14.0	0.1
0°-90°	5943.4	57.8
0°-180°	10286.8	100.0



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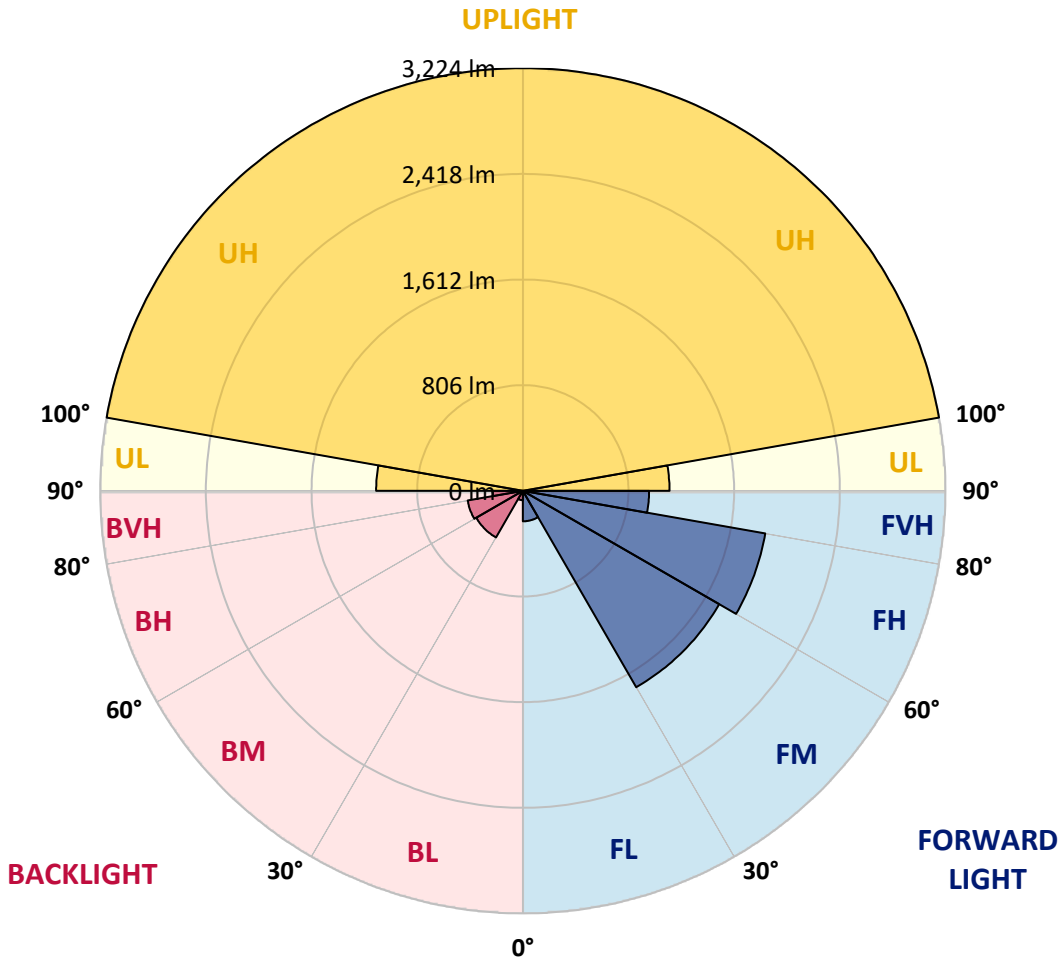
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	232.6	2.3			
FM	(30°-60°)	1730.2	16.8			
FH	(60°-80°)	1878.0	18.3			G2/5000
FVH	(80°-90°)	963.2	9.4			G5
BL	(0°-30°)	71.1	0.7	B0/110		
BM	(30°-60°)	410.6	4.0	B1/1000		
BH	(60°-80°)	427.3	4.2	B1/500		G1/500
BVH	(80°-90°)	230.4	2.2			G3/500
UL	(90°-100°)	1119.3	10.9		U5	
UH	(100°-180°)	3224.2	31.3		U5	

BUG Rating: B1-U5-G5
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
2.5°	92.8	93.5	92.8	94.2	90.7	90.7	87.9	85.1	81.6	77.3	74.5
5°	137.8	137.1	137.1	137.8	135.7	129.4	122.3	112.5	104.1	94.9	90.0
7.5°	198.3	195.5	192.6	191.9	184.9	175.8	165.9	154.7	142.7	130.1	120.9
10°	261.5	263.7	260.8	253.1	244.7	234.1	221.5	206.0	190.5	173.0	162.4
12.5°	343.1	337.5	330.4	322.7	314.3	304.4	284.0	266.5	244.7	222.9	208.8
15°	422.5	417.6	417.6	407.8	394.4	379.7	360.7	338.9	308.6	274.2	261.5
17.5°	504.1	504.8	497.8	486.5	474.6	455.6	435.2	404.3	373.3	337.5	315.7
20°	599.7	596.9	592.0	583.5	562.5	545.6	520.3	485.8	443.6	400.0	373.3
22.5°	698.8	700.3	700.3	686.9	667.2	644.0	615.2	575.8	525.9	469.6	437.3
25°	822.6	821.9	808.5	793.1	777.6	753.7	717.1	669.3	614.5	547.0	509.0
27.5°	935.1	934.4	931.6	917.5	894.3	863.4	820.5	768.5	705.9	625.0	580.0
30°	1060.2	1063.0	1055.3	1043.4	1013.1	981.5	931.6	870.4	796.6	709.4	658.8
32.5°	1195.9	1190.3	1184.0	1168.5	1135.5	1091.2	1034.9	971.6	890.8	791.0	735.4
35°	1313.3	1323.9	1314.0	1290.1	1249.4	1202.2	1140.4	1069.4	981.5	874.6	811.3
37.5°	1445.5	1443.4	1428.6	1405.4	1366.1	1306.3	1240.9	1158.7	1060.2	949.1	878.8
40°	1568.5	1560.1	1551.7	1517.2	1467.3	1407.5	1326.7	1243.0	1141.8	1016.6	945.6
42.5°	1677.5	1676.8	1654.3	1619.9	1557.3	1491.2	1407.5	1314.0	1208.6	1079.2	999.1
45°	1778.1	1776.0	1754.2	1702.8	1643.8	1564.3	1477.1	1380.1	1269.0	1132.6	1056.0
47.5°	1873.0	1867.3	1837.1	1785.1	1710.6	1626.9	1536.9	1435.0	1320.4	1180.5	1100.3
50°	1959.5	1954.5	1919.4	1853.3	1773.8	1684.6	1586.1	1480.7	1368.9	1228.3	1141.8
52.5°	2033.3	2024.8	1984.1	1913.0	1822.4	1728.1	1625.5	1520.0	1406.8	1262.0	1178.3
55°	2092.3	2083.2	2039.6	1960.2	1865.2	1763.3	1659.2	1554.5	1436.4	1292.2	1206.5
57.5°	2141.5	2134.5	2086.7	1999.5	1898.3	1793.5	1688.1	1581.2	1463.8	1320.4	1231.1
60°	2184.4	2176.0	2121.9	2031.9	1925.0	1816.7	1709.2	1602.3	1487.0	1342.2	1253.6
62.5°	2214.7	2208.3	2151.4	2055.1	1944.0	1834.3	1723.2	1619.9	1504.6	1361.8	1270.4
65°	2236.5	2228.7	2171.1	2069.1	1955.9	1842.7	1733.8	1627.6	1515.8	1373.8	1283.1
67.5°	2249.1	2243.5	2183.0	2079.0	1960.9	1847.0	1738.7	1635.3	1525.0	1383.6	1292.9
70°	2257.6	2249.1	2187.9	2081.1	1959.5	1846.3	1738.7	1636.0	1529.9	1390.7	1298.6
72.5°	2259.7	2250.5	2187.2	2077.6	1955.2	1839.2	1735.2	1636.7	1531.3	1394.2	1304.2
73°	2260.4	2250.5	2186.5	2076.2	1953.1	1838.5	1734.5	1635.3	1529.9	1393.5	1304.2
75°	2252.6	2246.3	2180.9	2067.7	1946.1	1831.5	1729.5	1631.8	1529.9	1394.2	1303.5
77.5°	2244.9	2235.1	2166.9	2055.8	1929.9	1818.8	1719.0	1624.8	1525.0	1392.8	1302.8
80°	2226.6	2216.8	2148.6	2033.3	1909.5	1800.6	1704.2	1613.5	1515.8	1385.0	1297.2
82.5°	2205.5	2194.3	2123.3	2007.3	1884.9	1777.4	1685.3	1598.8	1503.9	1375.9	1288.7
85°	2174.6	2166.2	2093.7	1975.6	1856.8	1753.5	1663.5	1581.2	1488.4	1361.8	1276.1
87.5°	2138.7	2131.7	2056.5	1939.8	1820.9	1722.5	1638.1	1558.0	1470.8	1346.4	1262.0
90°	2101.5	2093.0	2017.8	1899.0	1785.8	1688.8	1608.6	1533.4	1449.0	1327.4	1243.7
92.5°	2058.6	2048.7	1972.8	1857.5	1747.1	1654.3	1579.8	1506.0	1424.4	1305.6	1224.7
95°	2006.6	1997.4	1922.2	1806.9	1698.6	1614.2	1541.8	1473.6	1395.6	1279.6	1201.5
97.5°	1951.0	1942.6	1866.6	1756.3	1651.5	1568.5	1501.1	1439.2	1364.7	1254.3	1175.5
100°	1891.3	1880.0	1804.8	1698.6	1595.3	1520.0	1459.6	1404.0	1330.9	1222.6	1147.4
102.5°	1828.0	1817.4	1745.7	1641.7	1544.6	1471.5	1416.7	1362.5	1295.8	1193.8	1120.0
105°	1756.3	1750.6	1678.2	1577.7	1487.0	1419.5	1368.2	1321.1	1257.8	1158.7	1091.2
107.5°	1685.3	1674.0	1606.5	1510.2	1425.1	1364.0	1319.7	1276.1	1218.4	1123.5	1059.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	*1610.0*	1598.8	1538.3	1446.2	1367.5	1309.1	1268.3	1229.7	1177.6	1089.1	1028.6
112.5°	*1534.1*	1521.4	1461.7	1377.3	1300.7	1252.9	1215.6	1183.3	1136.2	1054.6	994.8
115°	*1451.8*	1446.9	1388.6	1307.7	1240.2	1195.2	1162.9	1133.3	1089.1	1017.3	962.5
117.5°	*1371.0*	1361.8	1311.2	1236.7	1174.1	1131.9	1107.3	1081.3	1041.2	973.7	925.9
120°	*1283.8*	1281.7	1233.2	1163.6	1105.2	1072.2	1048.3	1026.5	991.3	930.2	885.2
122.5°	*1201.5*	1197.3	1150.9	1088.3	1039.8	1008.9	989.9	970.9	940.7	883.8	841.6
125°	*1114.4*	1109.4	1072.9	1021.6	975.2	945.6	927.3	912.6	885.2	833.8	794.5
127.5°	*1033.5*	1028.6	995.5	946.3	909.8	883.1	866.2	852.8	825.4	781.1	746.7
130°	*953.4*	944.9	916.1	876.7	840.2	821.9	805.0	795.2	767.0	725.6	695.3
132.5°	*867.6*	863.4	843.0	806.4	776.9	757.9	743.1	730.5	708.7	670.7	643.3
135°	*791.7*	787.4	768.5	737.5	717.1	699.6	686.2	672.8	650.3	613.8	590.6
137.5°	*719.2*	715.7	698.8	677.8	651.7	641.2	632.1	615.9	596.2	563.2	542.1
140°	*643.3*	644.7	631.4	612.4	596.2	583.5	574.4	561.0	541.4	513.2	492.1
142.5°	*580.7*	582.8	566.7	553.3	538.6	528.7	519.6	508.3	489.3	464.0	447.9
145°	*521.7*	516.8	510.4	497.8	483.7	477.4	468.2	458.4	443.6	418.3	405.0
147.5°	*461.9*	460.5	454.2	445.7	434.5	424.7	417.6	412.0	397.2	376.1	364.2
150°	*407.8*	406.4	402.9	396.5	386.7	380.4	374.7	367.0	352.9	336.8	326.2
152.5°	*360.0*	360.0	357.9	349.4	345.2	338.2	331.1	326.9	312.9	299.5	290.4
155°	*318.5*	318.5	315.7	311.5	303.7	299.5	295.3	289.0	279.1	268.6	260.1
157.5°	*282.6*	283.3	279.8	276.3	270.7	267.2	262.9	256.6	250.3	240.4	234.1
160°	*251.0*	251.7	250.3	247.5	241.9	238.3	234.8	229.9	224.3	216.5	210.9
162.5°	*225.7*	225.0	223.6	220.8	217.2	215.1	210.9	207.4	202.5	196.9	191.9
165°	*206.0*	203.9	203.2	201.1	197.6	195.5	191.9	189.1	185.6	180.0	177.9
167.5°	*188.4*	188.4	187.0	185.6	182.8	180.0	177.2	175.1	172.3	168.7	165.9
170°	*174.4*	174.4	173.0	171.5	168.7	167.3	165.2	163.1	161.0	158.2	156.8
172.5°	*163.1*	163.1	162.4	160.3	158.9	156.8	156.1	154.0	151.9	150.5	149.1
175°	*154.7*	154.7	153.3	151.9	150.5	149.1	147.6	146.9	146.2	144.8	144.1
177.5°	*148.3*	147.6	146.9	145.5	144.1	143.4	142.7	142.0	142.0	141.3	140.6
180°	*139.9*	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
2.5°	71.7	65.4	58.4	52.0	48.5	43.6	40.8	39.4	40.8	38.7
5°	85.1	73.8	62.6	54.1	45.0	38.0	31.6	25.3	21.1	20.4
7.5°	113.2	100.5	85.1	71.0	58.4	47.1	37.3	29.5	23.9	23.2
10°	149.8	130.8	111.1	91.4	73.1	58.4	46.4	38.0	35.2	34.5
12.5°	195.5	168.0	140.6	114.6	92.1	72.4	59.1	49.9	45.7	45.0
15°	243.3	208.8	173.7	139.9	109.7	85.8	68.9	59.1	54.1	53.4
17.5°	294.6	249.6	201.8	162.4	126.6	97.7	76.6	63.3	57.7	56.2
20°	346.6	290.4	235.5	184.2	140.6	105.5	80.9	65.4	58.4	56.9
22.5°	405.0	337.5	269.3	205.3	153.3	113.2	84.4	66.8	59.1	57.7
25°	471.1	385.3	304.4	229.9	167.3	120.2	87.9	68.9	59.8	58.4
27.5°	538.6	438.7	340.3	251.7	179.3	125.1	90.7	69.6	60.5	59.1
30°	606.7	492.1	376.8	272.8	189.8	130.8	92.1	70.3	60.5	59.8
32.5°	677.8	542.1	412.0	292.5	199.0	134.3	93.5	71.0	61.2	59.8
35°	741.7	594.8	445.0	311.5	207.4	137.1	94.2	71.0	61.2	59.8
37.5°	802.9	639.8	475.3	326.9	213.7	139.2	94.9	71.0	61.2	59.8
40°	866.9	687.6	502.7	341.0	218.7	140.6	94.9	71.0	61.2	60.5
42.5°	918.9	727.7	525.9	350.8	222.2	140.6	94.9	71.0	61.9	60.5
45°	966.0	760.7	548.4	360.0	224.3	140.6	94.2	71.7	61.9	61.2
47.5°	1006.8	793.8	565.3	366.3	225.0	140.6	94.2	71.7	62.6	61.9
50°	1044.8	820.5	580.0	371.2	225.7	139.9	94.2	72.4	63.3	61.9
52.5°	1077.1	842.3	592.0	374.0	224.3	138.5	94.2	73.1	64.7	63.3
55°	1104.5	862.7	600.4	375.4	222.9	137.8	94.2	73.8	65.4	64.7
57.5°	1127.0	878.8	608.2	376.1	221.5	137.1	94.9	75.2	67.5	66.8
60°	1147.4	892.2	613.8	376.1	220.1	136.4	95.6	76.6	68.9	68.2
62.5°	1163.6	902.7	618.0	375.4	219.4	136.4	97.0	78.7	71.0	70.3
65°	1174.8	910.5	620.1	374.0	218.0	137.1	98.4	80.9	73.8	73.1
67.5°	1185.4	917.5	621.5	373.3	217.2	137.8	100.5	83.7	76.6	75.9
70°	1191.7	921.7	622.2	372.6	216.5	139.2	102.6	86.5	80.1	79.4
72.5°	1194.5	924.5	622.9	371.2	217.2	140.6	105.5	89.3	83.7	83.0
73°	*1195.2*	*924.5*	*622.2*	*371.2*	*217.2*	*141.3*	*106.2*	*90.7*	*84.4*	*83.7*
75°	1196.6	924.5	621.5	370.5	218.0	142.7	108.3	93.5	87.2	87.2
77.5°	1194.5	923.1	620.1	369.8	218.7	145.5	111.8	97.0	91.4	90.7
80°	1190.3	919.6	618.0	369.8	220.1	148.3	116.0	101.2	95.6	94.9
82.5°	1181.2	913.3	615.2	369.1	222.2	151.9	120.2	105.5	100.5	99.8
85°	1172.0	905.6	611.0	369.1	225.0	156.1	124.4	110.4	105.5	104.8
87.5°	1158.0	896.4	606.7	368.4	227.8	159.6	128.7	115.3	109.7	109.7
90°	1141.8	886.6	602.5	369.1	230.6	164.5	134.3	120.9	115.3	114.6
92.5°	1125.6	875.3	597.6	370.5	235.5	169.4	139.9	126.6	120.9	119.5
95°	1103.8	859.9	592.0	371.2	239.7	175.1	145.5	132.2	126.6	126.6
97.5°	1081.3	845.8	585.7	373.3	245.4	182.1	153.3	139.2	133.6	133.6
100°	1057.4	831.0	581.4	375.4	251.0	189.8	160.3	146.2	140.6	140.6
102.5°	1032.1	814.9	577.2	379.7	259.4	197.6	168.7	154.7	148.3	148.3
105°	1006.1	799.4	573.0	384.6	267.9	207.4	177.9	163.8	157.5	157.5
107.5°	980.8	784.6	569.5	390.9	277.0	217.2	187.0	173.0	166.6	165.2

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

Scaled Data Report

REPORT NUMBER: P1224052
CATALOG NUMBER: FFX-CLB-70-750-U-VM8-T4-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	954.1	769.2	566.7	397.2	287.6	228.5	198.3	182.1	175.1	175.1
112.5°	925.2	753.0	564.6	403.6	298.8	239.7	208.1	191.9	184.9	183.5
115°	895.0	736.8	560.3	410.6	308.6	251.0	218.7	200.4	192.6	191.9
117.5°	865.5	717.8	555.4	415.5	317.8	260.1	227.1	208.8	200.4	199.7
120°	831.0	696.7	547.0	416.9	324.8	267.2	234.1	214.4	206.0	204.6
122.5°	793.1	669.3	535.0	415.5	328.3	272.1	238.3	218.7	208.8	208.1
125°	750.2	639.1	519.6	410.6	329.0	274.2	239.7	219.4	210.2	208.8
127.5°	705.2	608.9	499.2	400.7	324.8	272.8	238.3	218.0	208.1	207.4
130°	658.8	573.0	475.3	388.1	317.8	267.9	234.8	214.4	204.6	203.9
132.5°	612.4	535.0	449.3	371.2	307.9	260.1	228.5	208.8	199.7	198.3
135°	562.5	497.8	422.5	353.6	294.6	251.7	220.8	201.8	192.6	191.9
137.5°	516.8	459.1	395.1	334.0	281.9	240.4	212.3	194.7	187.0	185.6
140°	471.8	421.8	365.6	312.9	265.8	229.2	202.5	187.0	179.3	178.6
142.5°	430.3	387.4	339.6	292.5	251.0	218.0	194.0	179.3	173.0	171.5
145°	387.4	351.5	312.2	271.4	234.8	206.0	184.9	171.5	165.9	164.5
147.5°	350.1	318.5	284.7	250.3	220.1	194.0	175.8	164.5	159.6	158.9
150°	315.0	288.3	258.7	230.6	203.9	182.8	167.3	157.5	153.3	152.6
152.5°	283.3	260.1	236.2	212.3	189.8	173.0	159.6	151.2	147.6	147.6
155°	253.8	234.8	215.8	196.2	178.6	164.5	154.0	146.9	144.1	143.4
157.5°	228.5	213.7	198.3	182.1	168.7	156.8	148.3	143.4	140.6	140.6
160°	206.7	195.5	182.8	170.8	160.3	150.5	144.1	139.9	137.8	137.8
162.5°	189.1	180.0	170.1	161.0	151.9	145.5	140.6	137.8	136.4	136.4
165°	174.4	168.0	161.0	153.3	146.9	142.0	138.5	136.4	135.7	135.7
167.5°	163.8	158.2	152.6	147.6	143.4	139.2	137.1	135.7	135.7	135.0
170°	154.7	151.2	146.2	142.7	139.2	137.1	135.7	135.0	135.0	134.3
172.5°	147.6	144.8	142.0	139.2	137.1	135.7	135.0	135.0	135.0	135.0
175°	143.4	141.3	139.2	137.8	136.4	135.0	135.0	135.7	135.7	135.7
177.5°	139.9	139.2	137.8	137.1	136.4	136.4	136.4	137.1	137.8	137.8
180°	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9	139.9

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

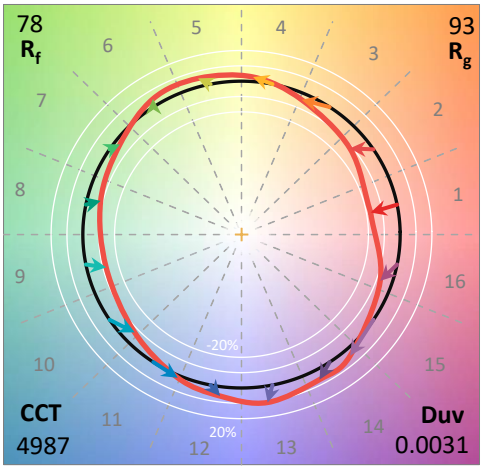
Test Information

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

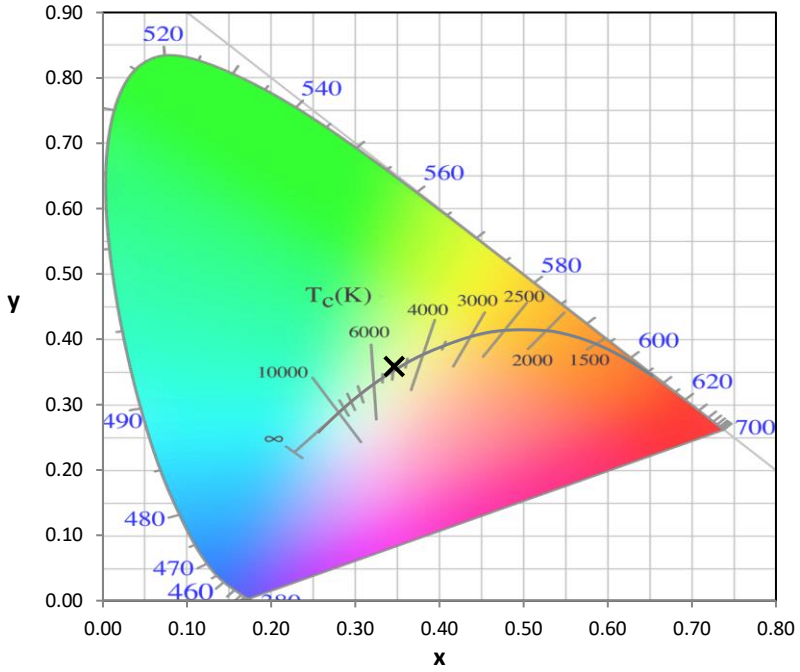
Stabilization Time:	67M
Operation Time:	2H 7M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-5

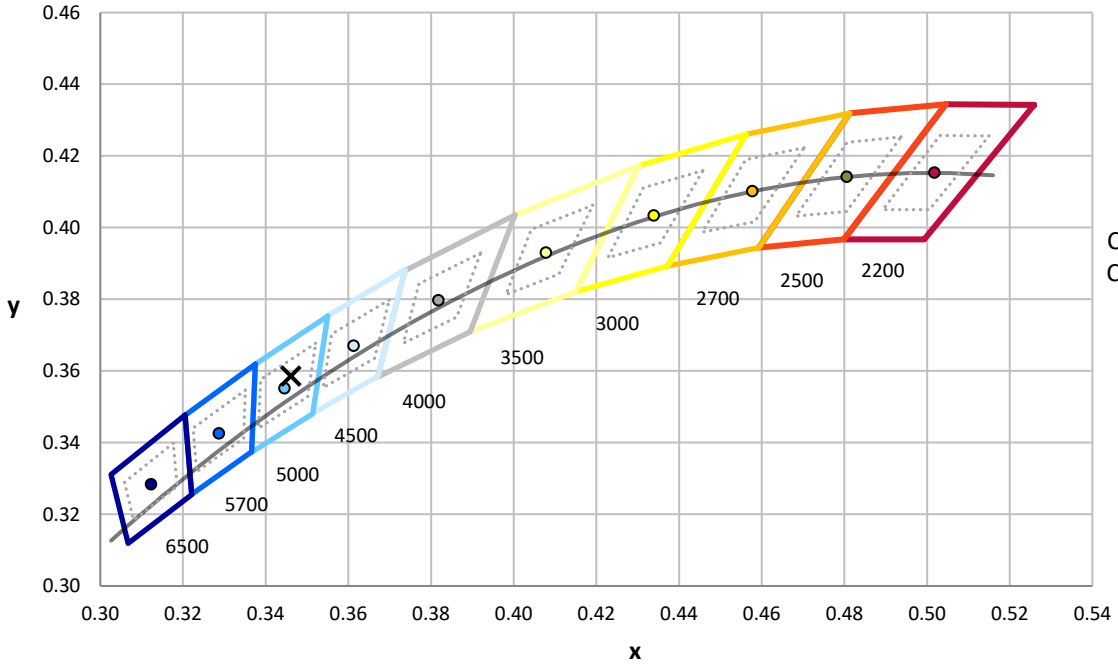
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

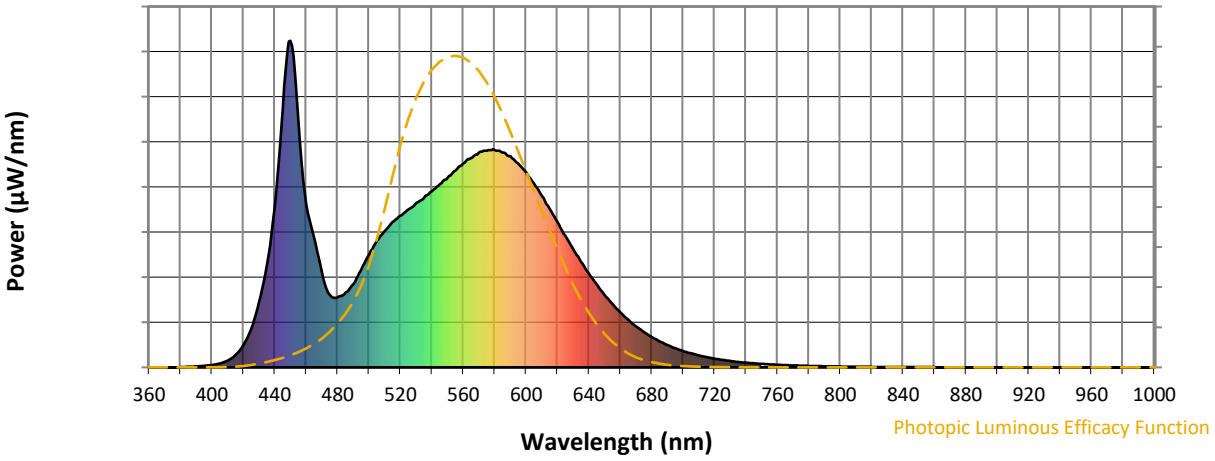


CCT = 4987K
CIE x = 0.3461
CIE y = 0.3586
Duv = 0.0031

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-5

Photopic Flux vs. Wavelength

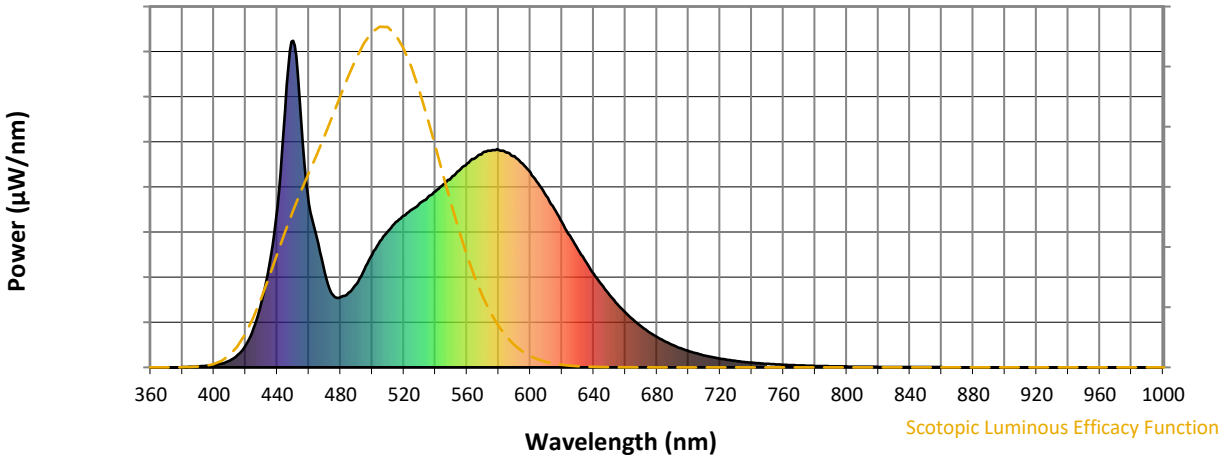


Photopic Lumens: NR

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

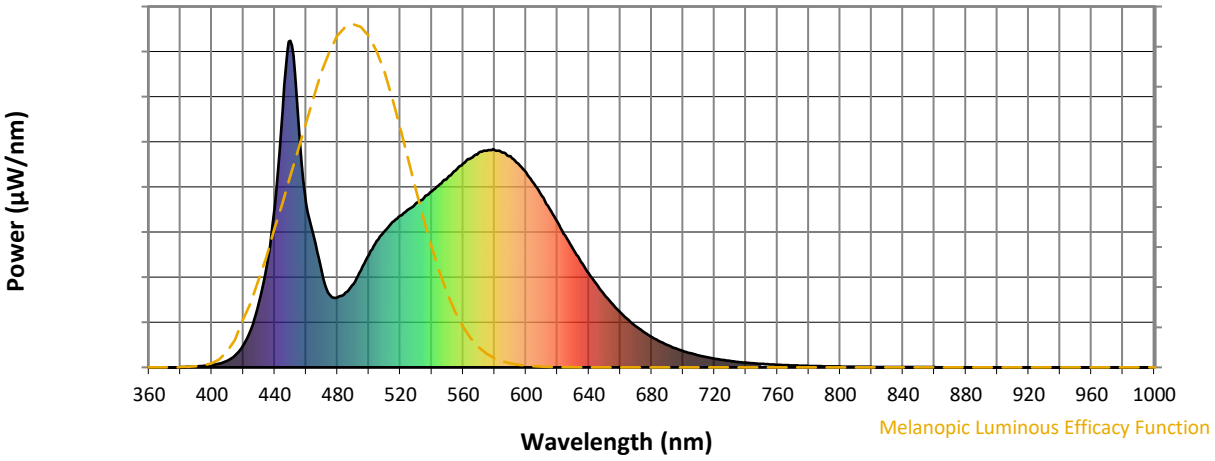


Scotopic Lumens: NR **S/P: 1.87**

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			

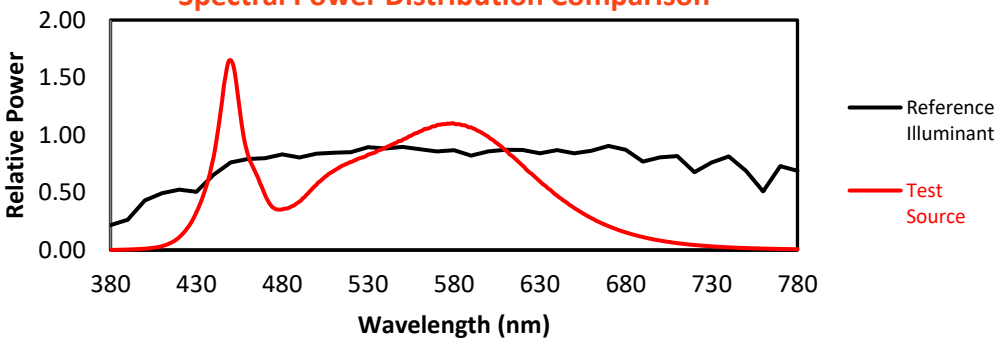
REPORT NUMBER: SP1-2501-332-5

TM-30-18

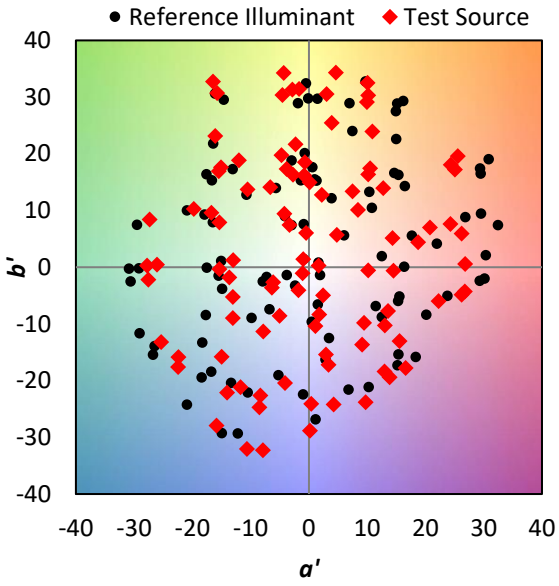
Summary

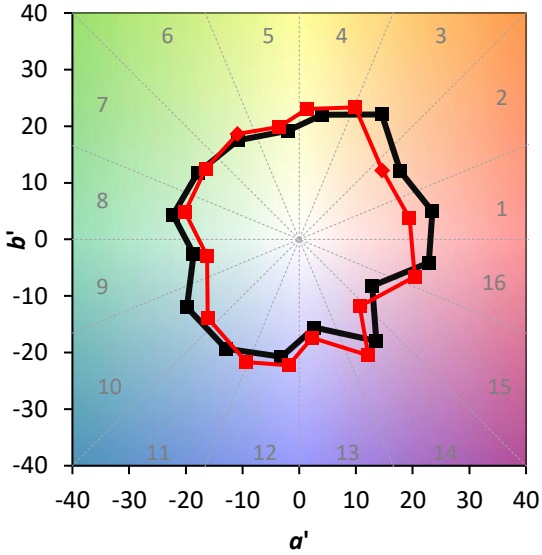
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R_g = 93.4
CIE R_a = 75.8
R_9 = -30.4

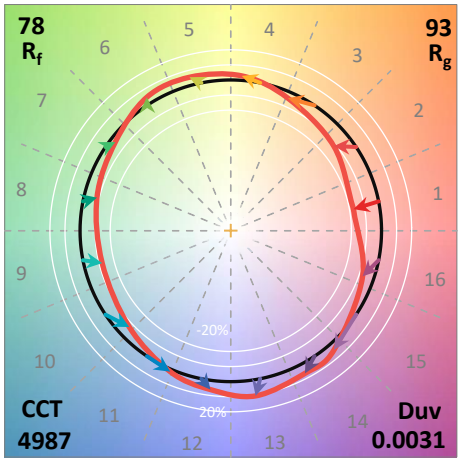
Spectral Power Distribution Comparison

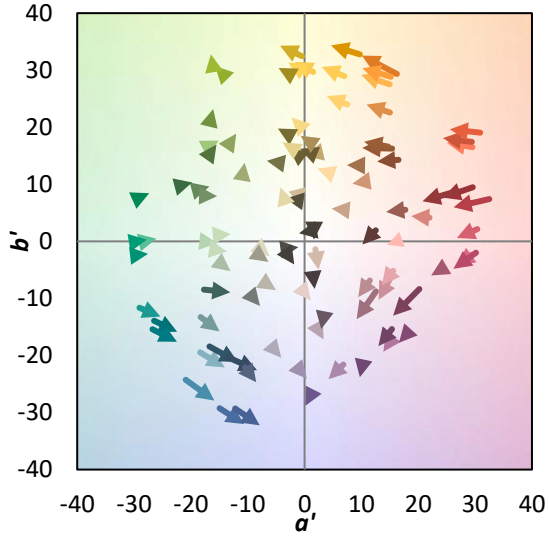


Color Vector Graphics







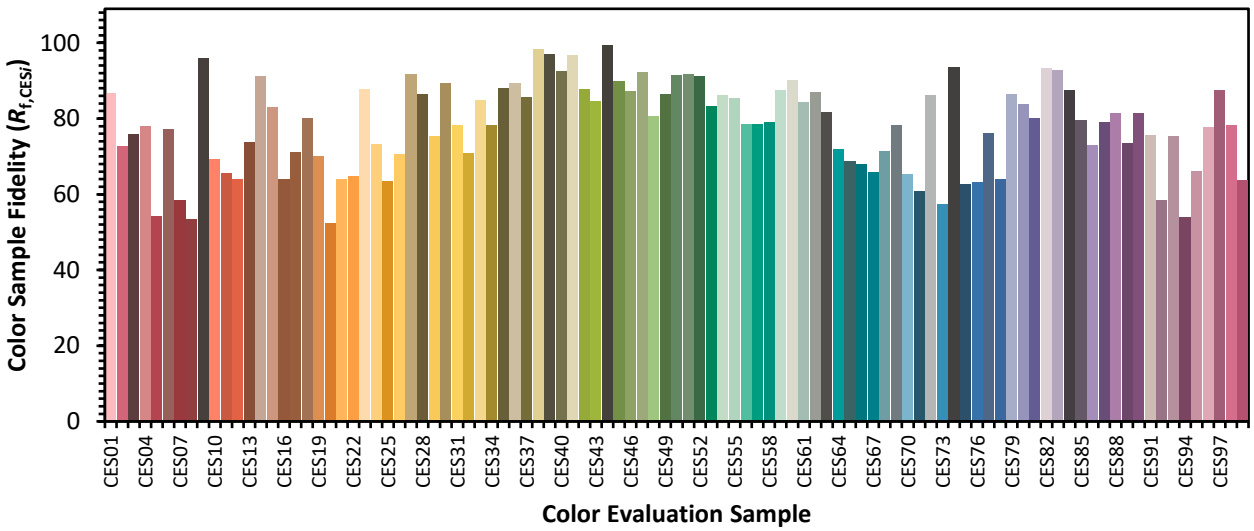


REPORT NUMBER: SP1-2501-332-5

TM-30-18

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

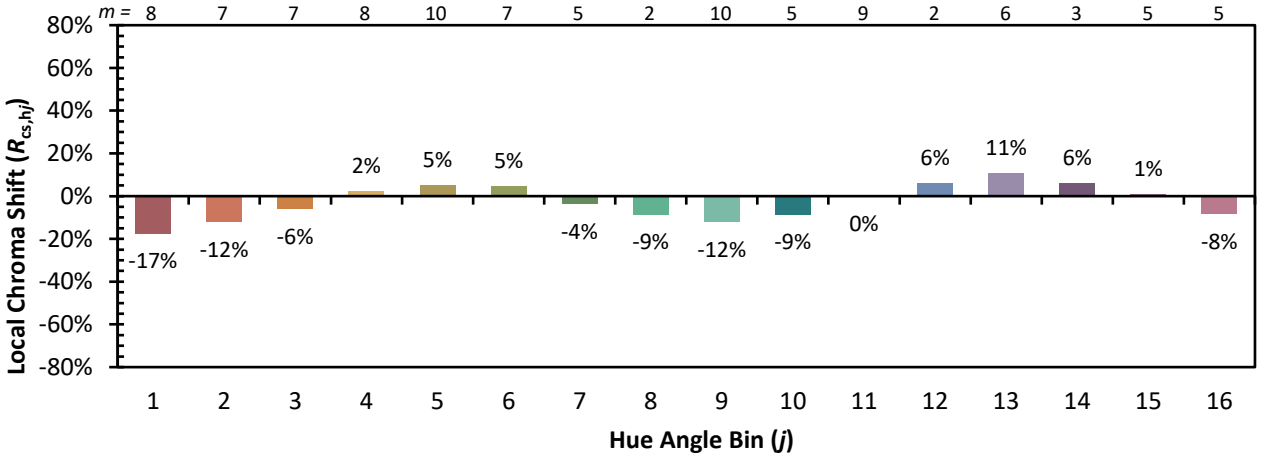
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CES02 = 60	CES27 = 92	CES52 = 91	CES77 = 76
CES03 = 30	CES28 = 86	CES53 = 83	CES78 = 64
CES04 = 69	CES29 = 75	CES54 = 86	CES79 = 86
CES05 = 46	CES30 = 89	CES55 = 85	CES80 = 84
CES06 = 50	CES31 = 78	CES56 = 79	CES81 = 80
CES07 = 39	CES32 = 71	CES57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

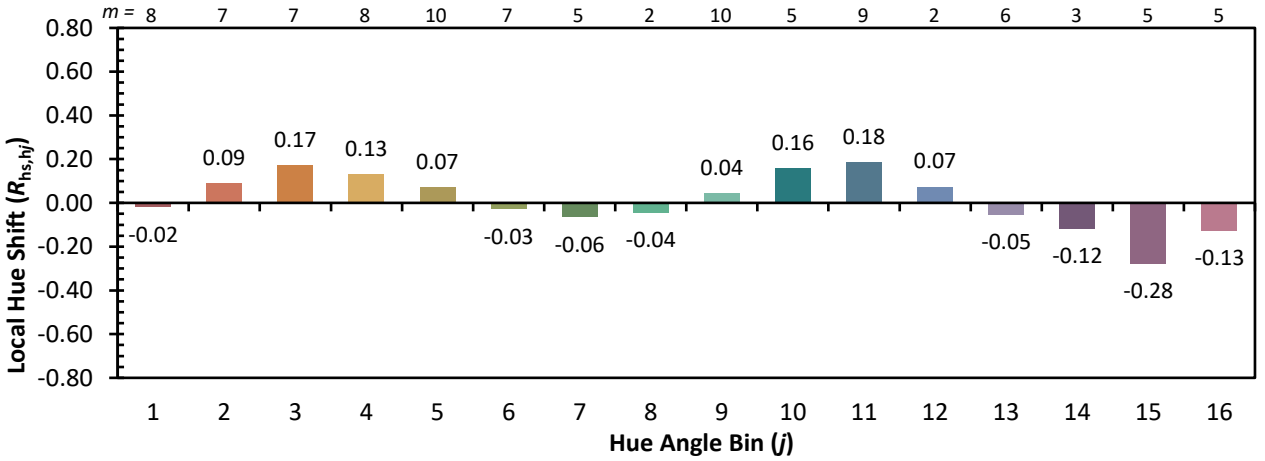


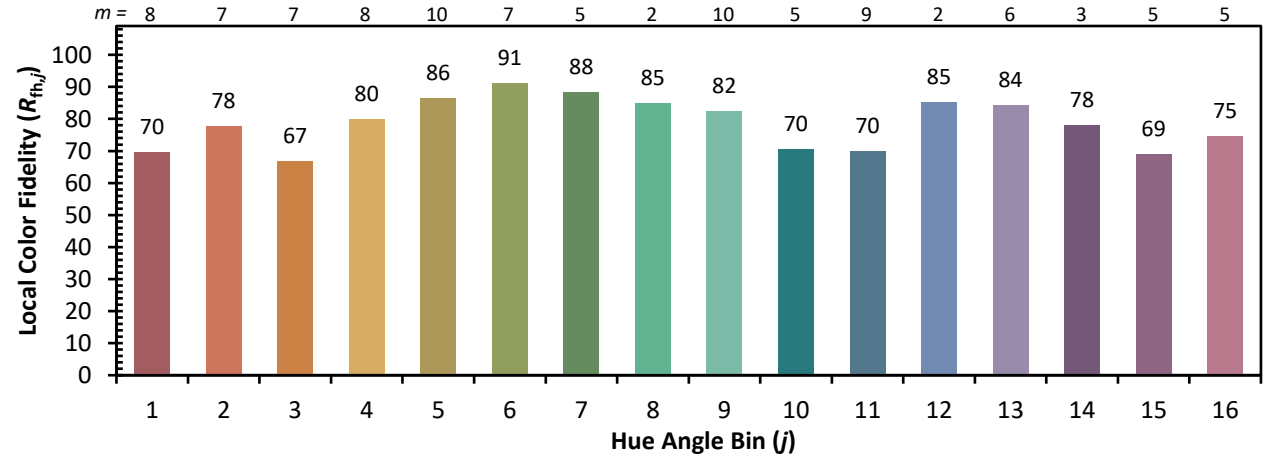
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Color Rendition by Hue-Angle Bin



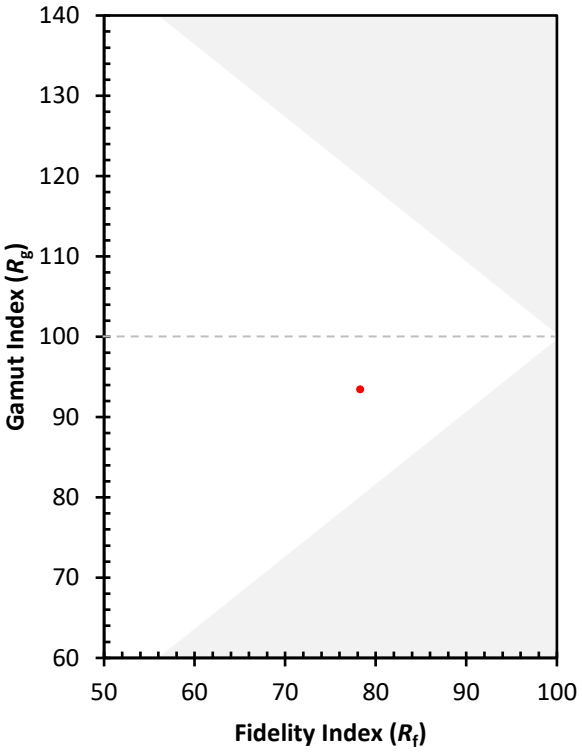


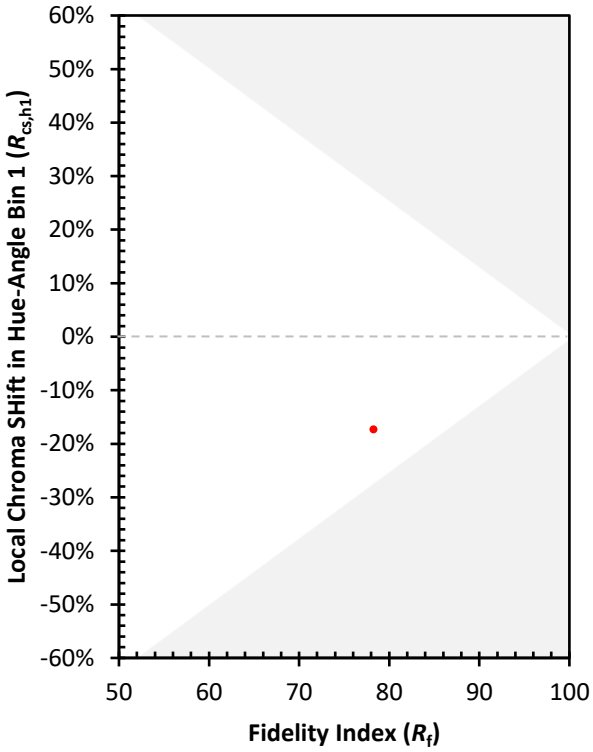


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Measure Comparisons





(END OF REPORT)