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: P1223925

Luminaire Tested: **FFX-CLB-80-722-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:	P1223925
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-80-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9358.4 lumens
Efficiency:	N/A
Efficacy:	114.4 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):	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

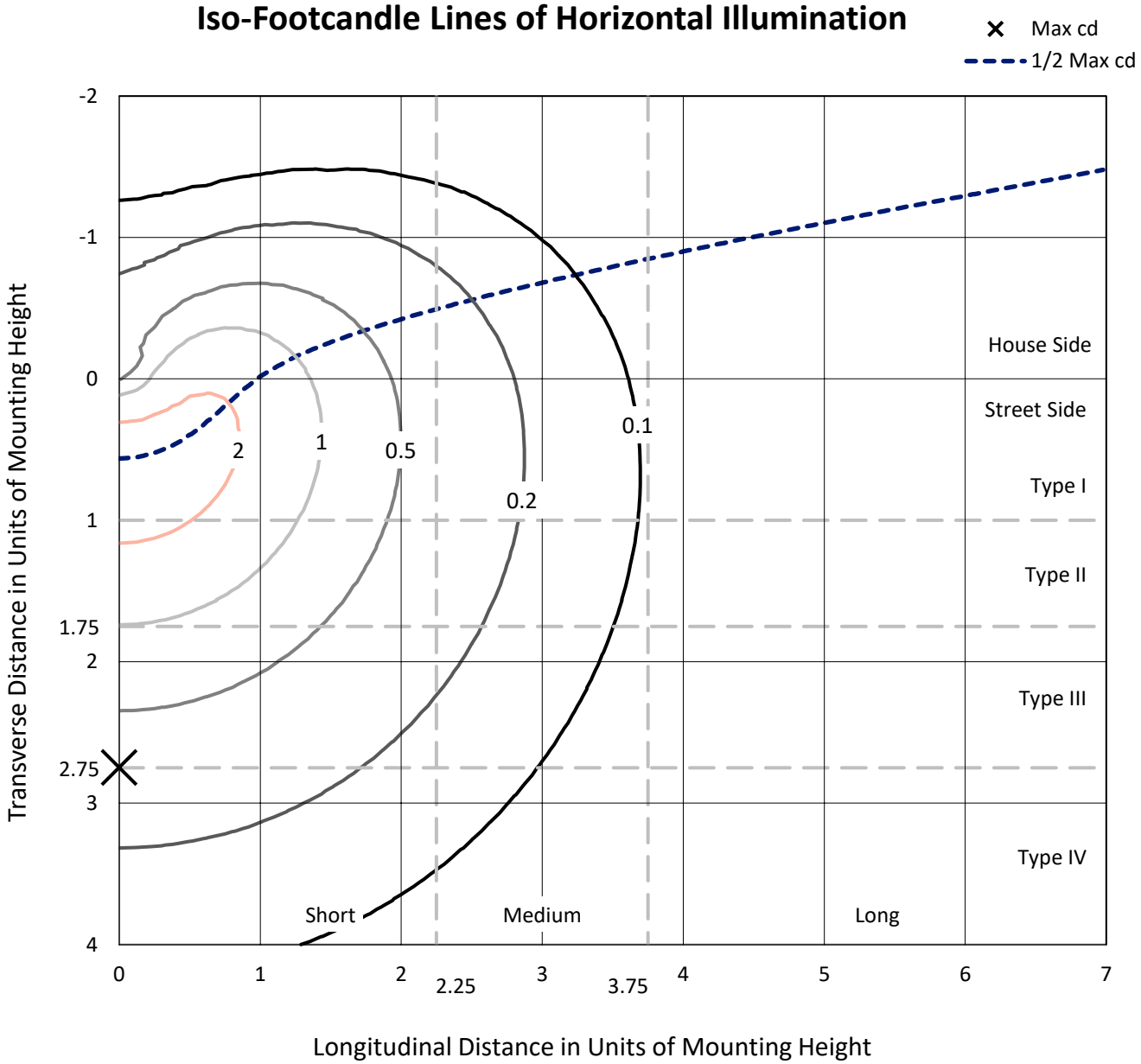


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Iso-Footcandle Lines of Horizontal Illumination



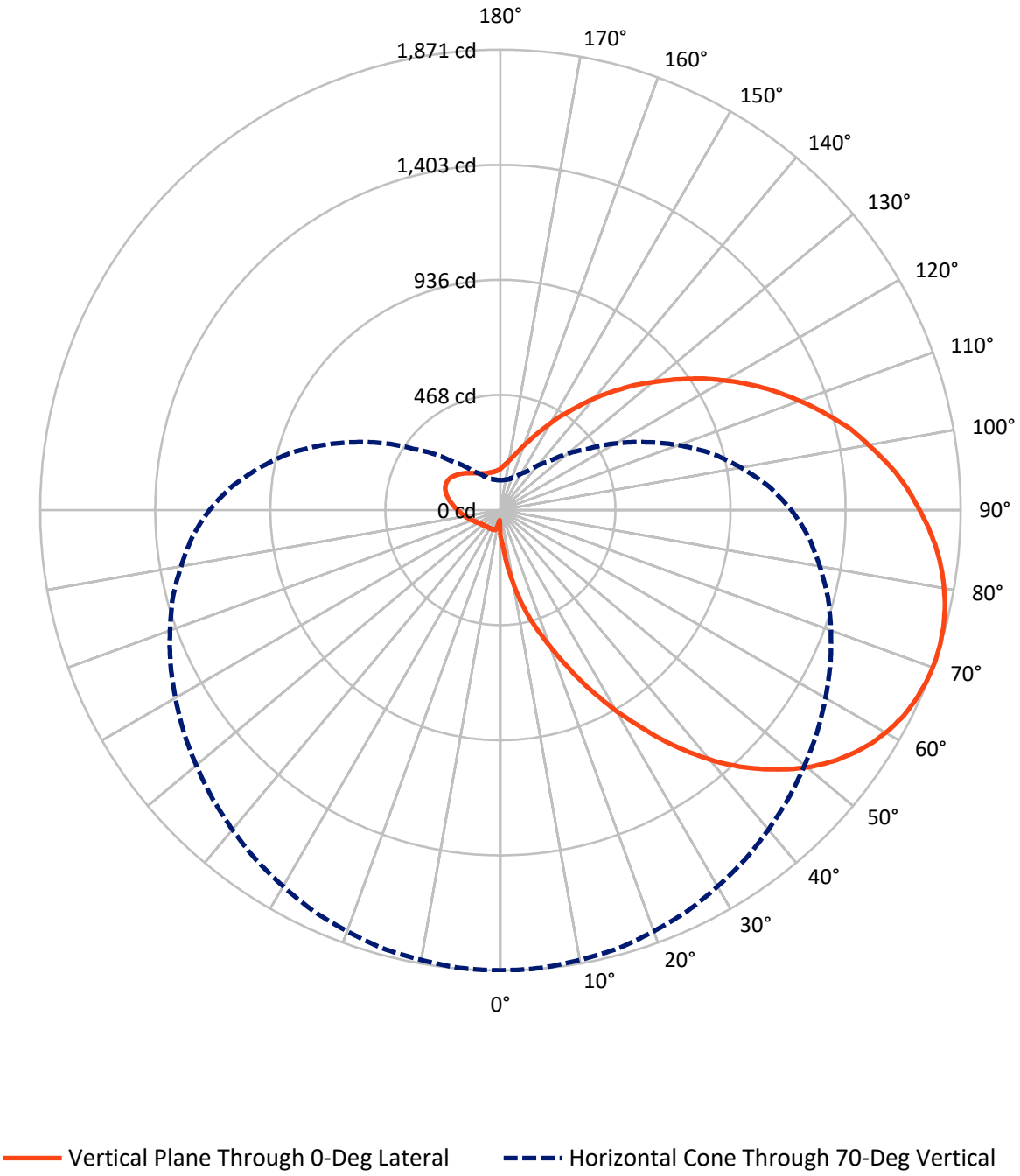
Based on 15 foot mounting height. Maximum calculated value = 2.8 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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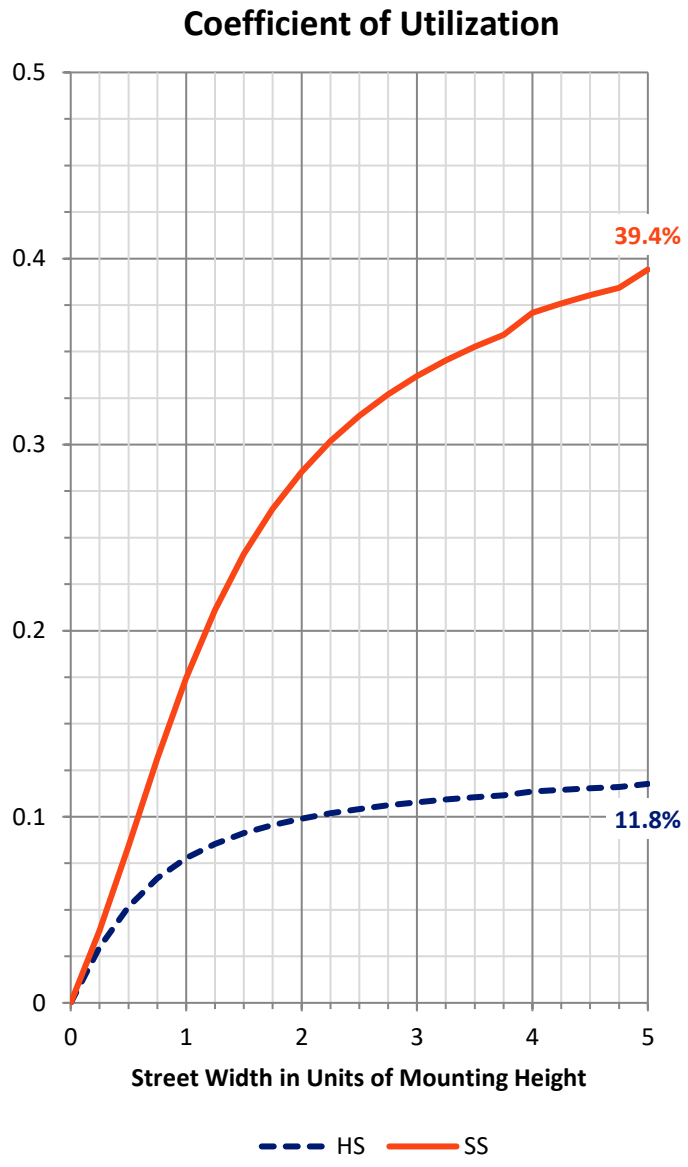
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1200.0	1157.8	2357.8
	% Fixture	12.8	12.4	25.2
Street Side	Lumens	4215.1	2785.5	7000.7
	% Fixture	45.0	29.8	74.8
Total	Lumens	5415.1	3943.3	9358.4
	% Fixture	57.9	42.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.1	0.2
10°-20°	81.8	0.9
20°-30°	215.2	2.3
30°-40°	418.1	4.5
40°-50°	651.5	7.0
50°-60°	859.6	9.2
60°-70°	1009.3	10.8
70°-80°	1085.9	11.6
80°-90°	1079.7	11.5
90°-100°	1003.8	10.7
100°-110°	881.4	9.4
110°-120°	724.9	7.7
120°-130°	545.7	5.8
130°-140°	369.8	4.0
140°-150°	223.9	2.4
150°-160°	120.5	1.3
160°-170°	56.7	0.6
170°-180°	16.5	0.2
0°-90°	5415.1	57.9
0°-180°	9358.4	100.0



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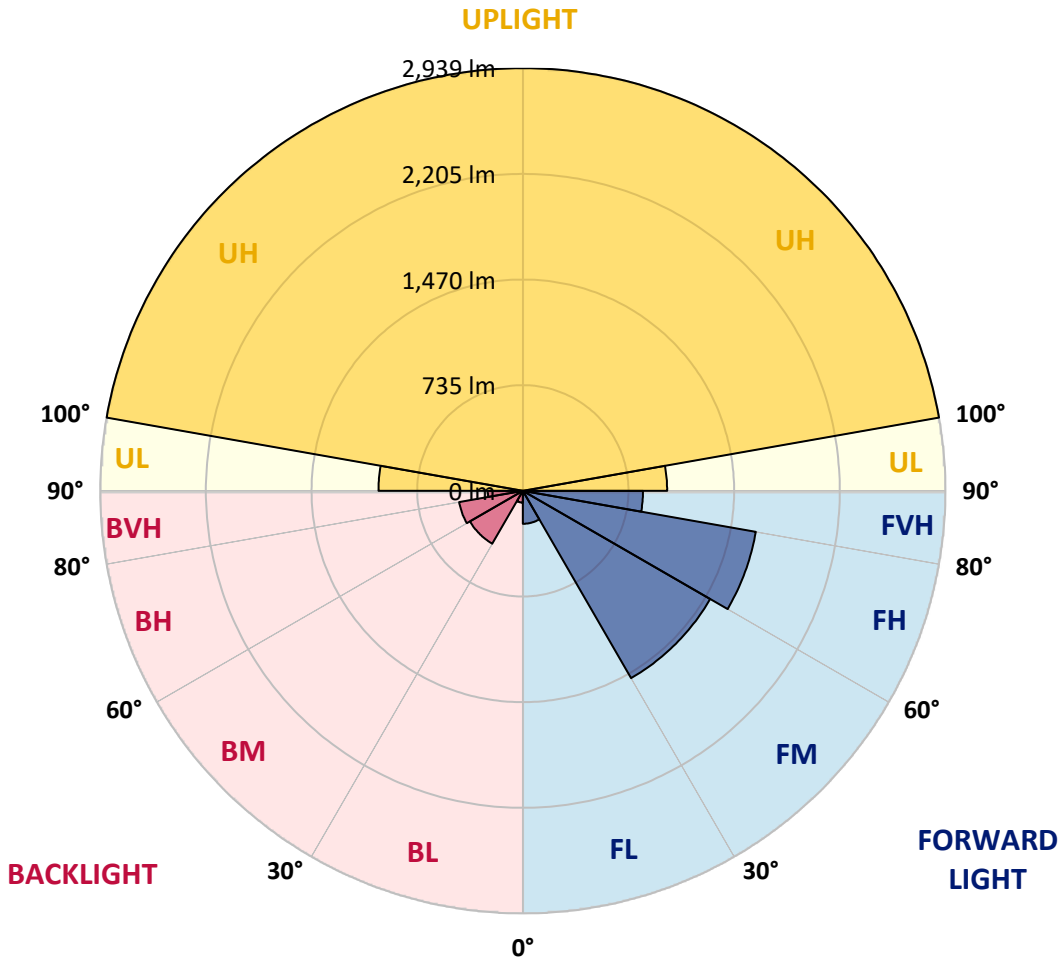
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	229.2	2.4			
FM	(30°-60°)	1504.5	16.1			
FH	(60°-80°)	1645.5	17.6			G1/1800
FVH	(80°-90°)	835.9	8.9			G5
BL	(0°-30°)	81.9	0.9	B0/110		
BM	(30°-60°)	424.7	4.5	B1/1000		
BH	(60°-80°)	449.7	4.8	B1/500		G1/500
BVH	(80°-90°)	243.8	2.6			G3/500
UL	(90°-100°)	1003.8	10.7		U5	
UH	(100°-180°)	2939.5	31.4		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°	*107.0*	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0
2.5°	*130.4*	131.1	130.4	130.4	131.8	130.4	129.0	124.2	118.7	111.9	108.4
5°	*182.5*	182.5	186.0	186.0	182.5	175.0	166.1	153.7	142.7	131.1	122.8
7.5°	*249.1*	250.5	247.7	240.9	236.7	221.6	212.7	196.9	183.2	167.4	159.9
10°	*318.4*	319.1	315.7	309.5	296.4	281.3	268.3	249.8	231.9	211.4	200.4
12.5°	*392.5*	391.1	385.0	371.2	363.7	346.5	329.4	310.2	286.2	260.8	247.7
15°	*463.2*	460.5	457.7	443.3	433.0	415.8	395.9	369.9	341.7	313.6	294.4
17.5°	*531.1*	525.0	520.8	514.0	498.2	483.1	457.7	426.8	396.6	359.6	339.7
20°	*603.9*	605.2	598.4	588.8	571.6	549.7	525.0	492.0	454.3	410.4	386.3
22.5°	*685.5*	685.5	681.4	669.1	651.2	623.1	594.3	560.0	513.3	467.3	437.8
25°	*776.1*	771.3	765.8	750.0	734.9	704.7	670.4	633.4	584.7	529.1	496.1
27.5°	*866.0*	863.9	858.5	841.3	822.1	790.5	756.2	708.2	655.3	590.1	555.8
30°	*961.4*	959.3	953.8	937.4	909.2	878.4	837.2	785.7	728.1	654.6	616.9
32.5°	*1053.3*	1053.3	1046.5	1029.3	999.8	962.8	918.8	861.2	797.4	721.9	676.6
35°	*1155.6*	1154.9	1142.5	1122.0	1086.3	1054.0	1004.6	944.2	872.2	785.7	737.7
37.5°	*1249.6*	1246.2	1233.8	1211.9	1178.9	1137.1	1081.5	1014.9	940.8	848.8	794.6
40°	*1342.2*	1338.1	1327.1	1302.4	1262.6	1215.3	1158.3	1087.0	1003.2	907.9	851.6
42.5°	*1426.0*	1424.6	1408.8	1379.3	1339.5	1286.0	1224.9	1149.4	1065.7	962.8	903.1
45°	*1502.1*	1502.1	1486.3	1454.1	1408.8	1354.6	1287.3	1209.8	1120.6	1012.9	949.7
47.5°	*1574.2*	1574.2	1559.1	1522.0	1471.9	1412.2	1343.6	1263.3	1168.6	1058.1	990.9
50°	*1639.4*	1636.6	1619.5	1578.3	1527.5	1465.1	1393.0	1308.6	1213.2	1098.6	1030.7
52.5°	*1695.6*	1692.2	1672.3	1633.9	1576.9	1510.4	1434.9	1349.1	1249.6	1133.6	1064.3
55°	*1743.0*	1740.9	1721.7	1677.8	1618.1	1551.5	1471.2	1382.0	1283.9	1163.1	1093.1
57.5°	*1784.2*	1780.7	1758.1	1713.5	1653.8	1581.0	1500.1	1411.5	1310.0	1189.9	1117.2
60°	*1815.0*	1811.6	1788.3	1743.7	1683.3	1606.4	1525.5	1435.6	1332.6	1211.2	1137.1
62.5°	*1840.4*	1836.3	1813.7	1766.3	1703.2	1627.7	1544.7	1453.4	1350.5	1228.3	1154.2
65°	*1856.2*	1852.8	1830.8	1783.5	1718.3	1642.1	1559.1	1467.1	1364.9	1241.4	1167.3
67.5°	*1866.5*	1863.8	1841.1	1795.1	1729.9	1652.4	1568.0	1476.0	1374.5	1251.0	1176.9
70°	*1871.3*	*1868.6*	*1845.2*	*1798.6*	*1734.1*	*1656.5*	*1572.1*	*1480.2*	*1379.3*	*1257.8*	*1183.0*
71°	*1871.3*	1868.6	1845.9	1799.3	1734.8	1657.2	1572.8	1480.9	1380.0	1258.5	1183.7
72.5°	*1869.2*	1867.2	1844.5	1797.2	1732.7	1655.8	1570.7	1480.2	1380.0	1259.2	1185.1
75°	*1861.7*	1857.6	1835.6	1789.6	1725.8	1649.0	1564.6	1474.0	1375.9	1257.1	1183.7
77.5°	*1848.0*	1844.5	1821.9	1777.3	1713.5	1635.9	1552.2	1463.7	1367.6	1250.3	1178.2
80°	*1828.1*	1824.6	1802.7	1756.7	1693.6	1618.8	1535.1	1447.9	1353.2	1239.3	1168.6
82.5°	*1802.7*	1799.9	1778.7	1732.7	1670.2	1596.1	1512.4	1427.3	1337.4	1224.2	1154.9
85°	*1772.5*	1769.1	1745.7	1700.4	1640.7	1566.6	1485.0	1402.6	1314.8	1205.7	1138.4
87.5°	*1736.1*	1734.1	1710.7	1667.5	1607.8	1534.4	1456.1	1375.9	1289.4	1185.1	1119.9
90°	*1696.3*	1695.6	1670.9	1627.7	1568.7	1499.4	1421.8	1343.6	1259.9	1160.4	1097.3
92.5°	*1656.5*	1656.5	1631.8	1587.2	1528.9	1460.3	1386.8	1311.4	1231.8	1135.7	1075.3
95°	*1612.6*	1607.8	1584.5	1544.7	1486.3	1420.5	1349.8	1275.7	1198.8	1107.6	1050.6
97.5°	*1561.1*	1559.8	1537.1	1494.6	1441.1	1377.9	1309.3	1240.7	1166.6	1078.7	1024.5
100°	*1511.0*	1508.3	1487.0	1447.9	1393.0	1332.6	1268.1	1202.2	1132.3	1049.2	997.1
102.5°	*1461.6*	1454.8	1432.8	1393.0	1345.0	1286.0	1225.6	1165.2	1096.6	1017.7	968.9
105°	*1401.9*	1401.3	1378.6	1340.9	1292.1	1240.0	1183.0	1124.0	1061.6	985.4	940.1
107.5°	*1343.6*	1343.6	1322.3	1285.3	1239.3	1189.2	1138.4	1082.8	1025.2	951.8	910.6

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REPORT NUMBER: P1223925
CATALOG NUMBER: FFX-CLB-80-722-U-VM9-T4-HSS

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	*1283.9*	1283.2	1264.0	1231.1	1187.2	1139.1	1092.5	1041.7	984.0	919.5	879.0
112.5°	*1224.9*	1223.5	1205.0	1171.4	1130.9	1091.8	1045.1	998.4	945.6	885.9	847.5
115°	*1165.2*	1163.8	1143.9	1114.4	1077.4	1036.9	997.8	953.2	907.2	847.5	813.9
117.5°	*1103.4*	1102.1	1085.6	1056.8	1021.8	989.5	950.4	912.0	865.3	811.1	777.5
120°	*1040.3*	1041.0	1024.5	998.4	966.2	936.0	901.7	866.7	823.5	772.0	739.7
122.5°	*980.6*	975.8	964.8	941.5	912.7	884.5	855.7	820.0	779.5	730.8	702.7
125°	*916.8*	915.4	904.4	881.1	856.4	834.4	807.7	775.4	738.4	689.0	663.6
127.5°	*855.0*	857.1	844.7	827.6	803.6	785.0	757.6	729.4	693.8	649.2	625.1
130°	*797.4*	796.0	789.1	771.3	751.4	732.2	711.6	686.2	652.6	608.0	586.0
132.5°	*743.9*	737.7	731.5	716.4	699.9	684.2	666.3	640.9	606.6	567.5	548.3
135°	*685.5*	685.5	675.9	662.9	651.2	636.1	618.3	594.9	565.4	531.1	509.2
137.5°	*632.0*	629.3	623.1	612.8	601.8	590.8	575.7	552.4	526.3	493.4	474.2
140°	*581.2*	579.2	573.7	564.8	555.8	545.5	531.8	511.9	487.9	456.3	439.9
142.5°	*528.4*	529.8	525.0	518.8	508.5	501.6	489.3	471.4	450.2	422.7	406.9
145°	*481.0*	481.7	479.7	473.5	465.9	459.1	446.0	433.0	412.4	387.7	376.0
147.5°	*441.9*	439.2	435.1	431.6	424.8	419.3	409.0	396.6	377.4	356.1	345.2
150°	*398.0*	400.1	395.9	391.8	387.7	380.2	372.6	362.3	344.5	327.3	315.7
152.5°	*360.9*	362.3	358.9	356.8	352.7	346.5	339.0	329.4	315.7	300.6	289.6
155°	*328.0*	328.0	328.0	325.3	320.5	316.3	308.8	299.9	288.2	274.5	266.9
157.5°	*297.8*	298.5	298.5	295.1	291.6	288.2	282.0	274.5	264.2	252.5	247.0
160°	*273.8*	272.4	271.7	269.0	266.3	263.5	258.0	251.8	242.9	233.3	228.5
162.5°	*249.8*	249.8	248.4	246.4	244.3	240.2	236.7	230.6	224.4	217.5	212.0
165°	*231.3*	230.6	230.6	227.8	225.8	222.3	218.9	214.8	209.3	203.1	199.0
167.5°	*215.5*	214.1	213.4	212.0	209.3	207.2	203.8	200.4	196.3	192.1	188.7
170°	*200.4*	201.1	199.7	198.3	196.9	194.9	192.1	189.4	186.0	181.8	180.5
172.5°	*190.1*	189.4	188.7	187.3	186.0	183.9	182.5	179.8	177.7	175.0	173.6
175°	*180.5*	180.5	179.8	178.4	177.0	175.7	174.3	172.9	171.6	169.5	168.8
177.5°	*172.9*	172.9	172.9	171.6	170.9	170.2	168.8	168.1	167.4	166.1	166.1
180°	*165.4*	165.4	165.4	165.4	165.4	165.4	165.4	165.4	165.4	165.4	165.4

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0
2.5°	105.0	96.1	88.5	81.7	76.2	71.4	68.6	63.8	60.4	58.3
5°	118.0	105.0	94.0	83.0	74.8	65.9	57.0	48.0	42.5	41.9
7.5°	149.6	135.2	118.7	104.3	87.8	74.1	62.4	53.5	50.1	49.4
10°	189.4	168.1	146.2	124.9	103.6	86.5	74.1	65.9	61.8	61.1
12.5°	233.3	204.5	176.4	148.9	123.5	104.3	89.2	79.6	74.8	74.8
15°	278.6	242.9	207.2	173.6	144.1	120.1	101.6	89.2	83.7	83.0
17.5°	318.4	277.9	235.4	195.6	159.9	129.7	107.7	92.6	85.8	85.1
20°	363.7	312.2	263.5	214.1	172.2	137.2	111.2	94.0	85.1	84.4
22.5°	411.7	353.4	293.0	235.4	185.3	144.8	114.6	95.4	85.8	84.4
25°	465.9	395.9	323.2	256.6	198.3	151.7	118.0	96.8	86.5	85.1
27.5°	517.4	439.9	355.5	276.5	210.0	157.8	120.8	98.1	87.1	85.8
30°	572.3	483.1	387.0	297.8	222.3	164.0	123.5	98.8	87.1	85.8
32.5°	627.9	525.0	420.0	317.0	232.6	168.1	124.9	99.5	87.8	86.5
35°	686.9	570.2	450.8	336.9	242.2	172.2	126.3	100.2	87.8	86.5
37.5°	741.1	613.5	481.0	354.1	250.5	175.7	127.6	100.2	88.5	87.1
40°	789.8	652.6	507.8	369.2	257.3	177.7	128.3	100.9	89.2	87.8
42.5°	837.9	691.0	531.8	381.5	262.8	179.1	129.0	101.6	89.9	88.5
45°	880.4	723.3	553.8	393.2	266.9	180.5	129.7	102.2	90.6	89.2
47.5°	918.2	753.5	574.4	402.8	269.7	181.2	130.4	102.9	92.0	90.6
50°	954.5	782.3	590.1	410.4	272.4	181.8	130.4	104.3	94.0	92.6
52.5°	985.4	805.6	604.6	416.5	273.8	182.5	131.8	105.7	95.4	94.7
55°	1012.2	826.2	617.6	421.3	275.2	182.5	133.1	107.7	98.1	96.8
57.5°	1034.1	842.7	626.5	424.1	275.2	183.2	133.8	110.5	100.9	99.5
60°	1053.3	857.1	634.7	427.5	275.9	183.9	135.9	113.2	104.3	103.6
62.5°	1069.1	868.1	640.9	429.6	276.5	186.0	138.6	116.7	107.7	107.0
65°	1081.5	877.7	645.7	430.9	277.2	187.3	141.4	120.1	112.5	111.9
67.5°	1089.7	884.5	649.2	431.6	277.9	189.4	144.8	124.9	117.3	116.0
70°	*1095.9*	*888.6*	*651.2*	*432.3*	*279.3*	*191.5*	*148.9*	*129.0*	*122.1*	*121.5*
71°	1097.3	889.3	651.9	432.3	280.0	192.8	150.3	131.1	124.2	123.5
72.5°	1097.9	890.0	651.9	432.3	280.7	194.9	153.0	134.5	127.6	126.9
75°	1097.3	889.3	651.2	432.3	282.0	198.3	157.8	139.3	133.1	132.4
77.5°	1092.5	886.6	649.2	432.3	284.1	202.4	163.3	146.2	139.3	138.6
80°	1084.2	881.1	645.7	431.6	286.2	207.2	168.8	152.3	145.5	144.8
82.5°	1073.2	872.9	640.9	431.6	288.9	211.4	174.3	157.8	152.3	151.7
85°	1058.8	863.3	636.1	430.9	292.3	216.8	181.2	165.4	159.9	158.5
87.5°	1041.7	851.6	630.6	430.9	295.8	223.0	188.0	172.2	166.8	165.4
90°	1022.5	838.6	625.1	430.9	299.9	229.2	195.6	179.8	173.6	172.9
92.5°	1003.2	826.2	619.7	431.6	305.4	236.1	203.1	188.0	181.8	181.8
95°	981.3	811.1	613.5	433.0	310.9	243.6	212.0	196.3	190.1	189.4
97.5°	959.3	797.4	608.7	435.1	317.0	252.5	220.3	205.2	199.0	197.6
100°	934.6	783.0	603.9	437.8	324.6	260.8	229.2	214.1	207.9	207.2
102.5°	910.6	767.2	598.4	441.2	332.1	270.4	238.8	223.0	216.8	216.2
105°	884.5	750.7	592.2	444.0	339.7	279.3	247.7	231.3	224.4	224.4
107.5°	859.1	733.6	586.0	447.4	347.2	288.2	256.0	239.5	231.9	231.3

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

Scaled Data Report

REPORT NUMBER: P1223925
CATALOG NUMBER: FFX-CLB-80-722-U-VM9-T4-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	830.3	715.0	578.5	449.5	354.1	295.8	263.5	245.7	238.1	237.4
112.5°	804.2	695.1	570.2	450.2	360.3	302.6	269.7	251.2	243.6	242.2
115°	771.3	674.5	559.3	448.8	363.7	308.1	273.8	254.6	246.4	245.0
117.5°	739.7	651.2	547.6	445.4	365.8	310.9	276.5	256.6	247.7	246.4
120°	707.5	625.1	531.1	439.2	363.7	310.9	276.5	255.3	246.4	245.7
122.5°	671.1	597.7	514.0	430.3	360.3	308.1	273.8	253.2	243.6	242.9
125°	633.4	568.2	493.4	417.9	353.4	304.0	269.7	249.1	239.5	238.8
127.5°	597.0	538.0	472.1	403.5	343.8	297.1	264.2	242.9	233.3	231.9
130°	561.3	506.4	448.1	386.3	332.1	288.2	256.6	236.7	227.1	225.8
132.5°	524.3	476.2	424.1	369.9	319.8	278.6	248.4	229.2	220.3	218.9
135°	489.3	444.7	398.0	350.0	305.4	267.6	239.5	221.6	212.7	212.0
137.5°	455.6	415.2	374.0	330.8	291.0	256.6	230.6	214.1	205.9	204.5
140°	421.3	386.3	349.3	312.2	275.2	245.0	221.6	205.9	198.3	196.9
142.5°	391.8	358.9	326.0	291.6	260.1	232.6	212.0	197.6	191.5	190.8
145°	360.9	332.1	302.6	273.1	245.7	221.6	203.1	190.8	184.6	183.9
147.5°	333.5	306.1	280.7	255.3	231.3	210.0	194.2	183.9	179.1	178.4
150°	305.4	283.4	261.4	238.1	217.5	199.7	186.7	177.7	172.9	172.2
152.5°	280.7	262.1	242.2	224.4	205.2	190.8	179.8	171.6	168.1	167.4
155°	259.4	243.6	227.1	210.7	195.6	183.9	174.3	167.4	164.7	164.7
157.5°	240.9	227.1	213.4	199.7	187.3	177.0	169.5	164.7	161.9	161.3
160°	223.0	212.0	199.7	189.4	179.8	172.2	166.1	161.9	159.9	159.2
162.5°	208.6	199.0	190.8	181.8	174.3	168.1	163.3	159.9	158.5	158.5
165°	196.3	189.4	181.8	175.7	169.5	164.7	161.3	159.2	157.8	157.8
167.5°	186.7	180.5	175.7	170.2	166.1	162.6	159.9	158.5	157.8	157.1
170°	178.4	174.3	170.2	166.8	163.3	161.3	159.2	158.5	157.8	157.8
172.5°	172.2	169.5	166.8	164.0	161.9	159.9	159.2	158.5	158.5	158.5
175°	167.4	166.1	164.0	162.6	161.3	160.6	159.9	159.9	159.9	159.9
177.5°	165.4	164.0	163.3	162.6	161.9	161.9	161.9	162.6	162.6	162.6
180°	165.4	165.4	165.4	165.4	165.4	165.4	165.4	165.4	165.4	165.4

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

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2501-332-2

Test Date: 03/20/2025

Luminaire Tested: FFX-CLB-100-722-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-722-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

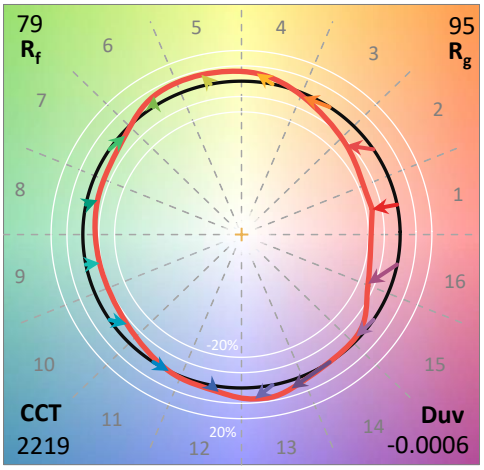
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-2
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-100-722-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	2219
CIE u':	0.2889
CIE v':	0.5348
Duv:	-0.0006
CIE x:	0.5023
CIE y:	0.4133
CIE z:	0.0844
Peak Wavelength (nm):	606
Dominant Wavelength (nm):	587
Purity:	74.84521
Rf:	78.8
Rg:	94.5

CRI (Ra):	73.3
R1:	71.2
R2:	89.1
R3:	88.3
R4:	68.0
R5:	71.8
R6:	89.6
R7:	71.4
R8:	37.3
R9:	-25.6
R10:	78.7
R11:	66.6
R12:	77.1
R13:	75.0
R14:	93.9
R15:	61.0



Test Conditions

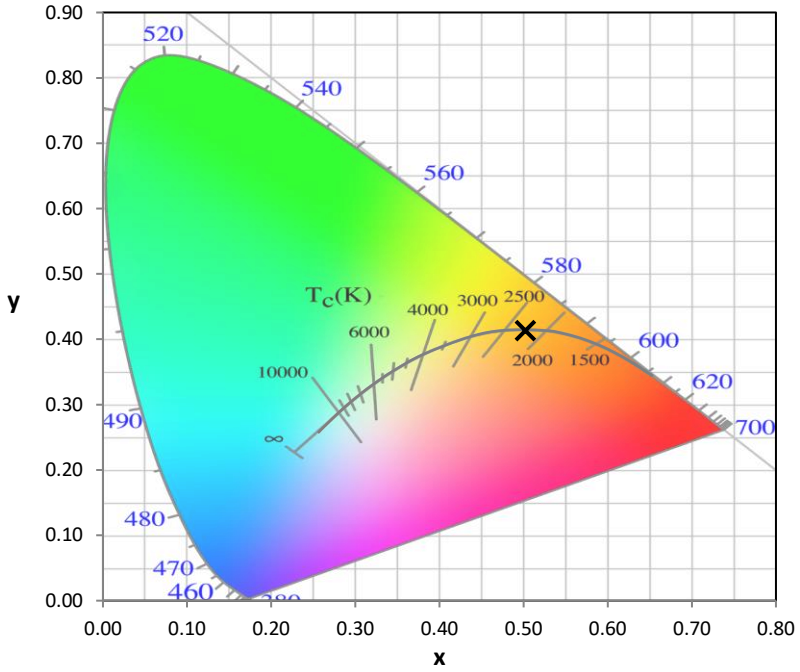
Stabilization Time:	61M
Operation Time:	2H 1M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-2

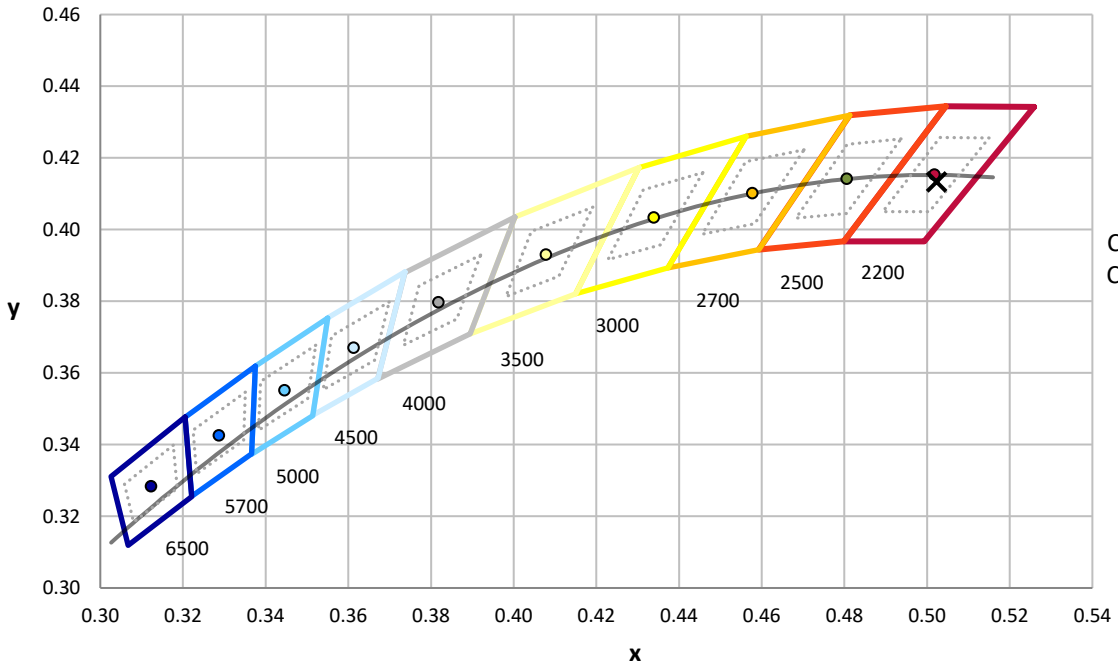
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-2

CIE 1931 Chromaticity Diagram



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

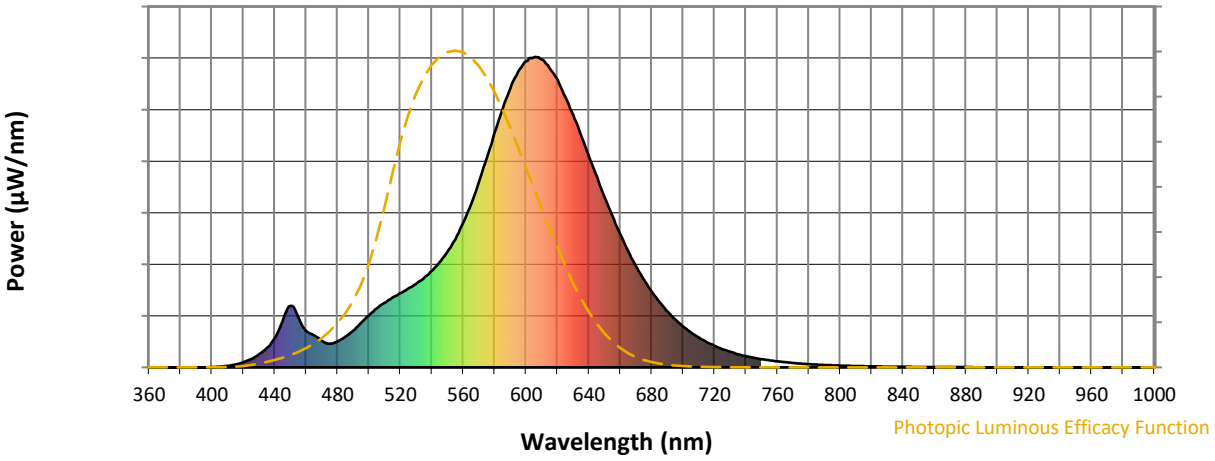


CCT = 2219K
CIE x = 0.5023
CIE y = 0.4133
Duv = -0.0006

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-2

Photopic Flux vs. Wavelength

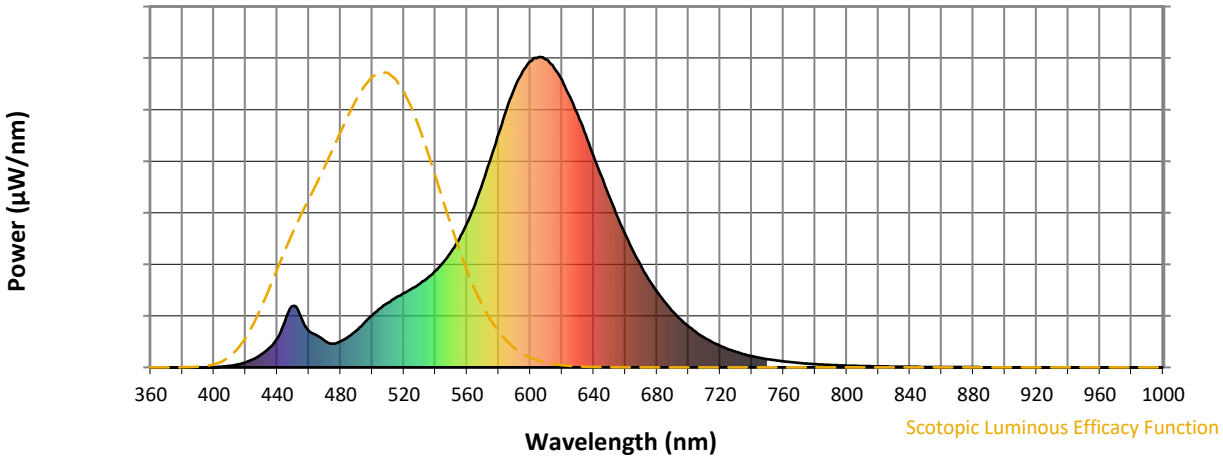


Photopic Lumens: NR

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-2

Scotopic Flux vs. Wavelength

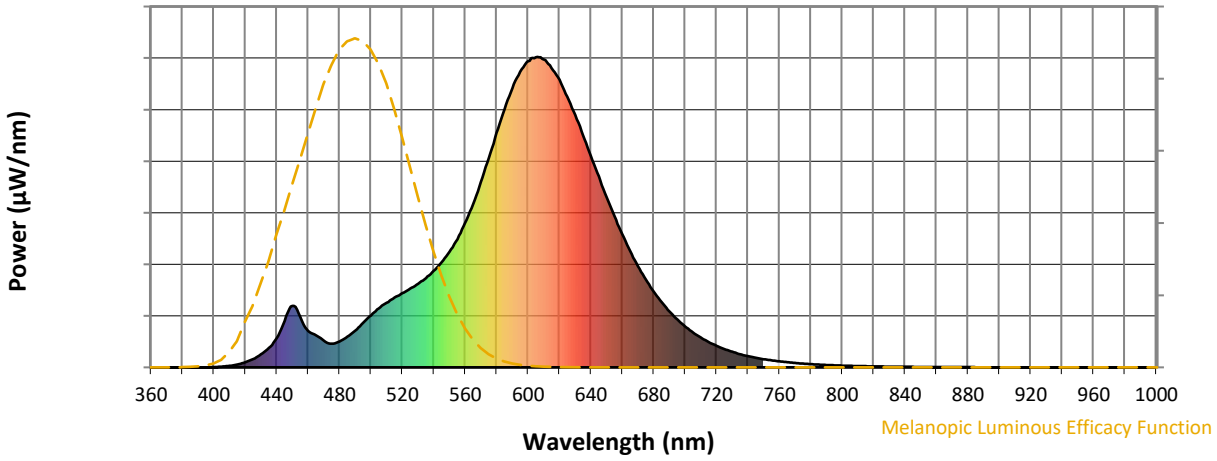


Scotopic Lumens: NR **S/P: 0.94**

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.65**

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

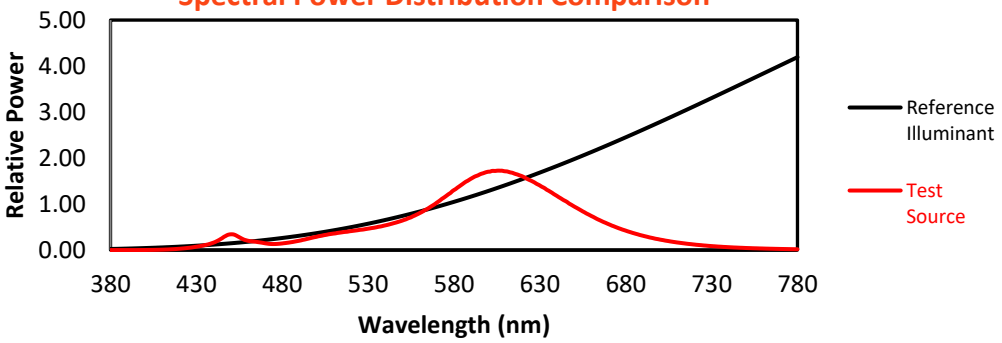
REPORT NUMBER: SP1-2501-332-2

TM-30-18

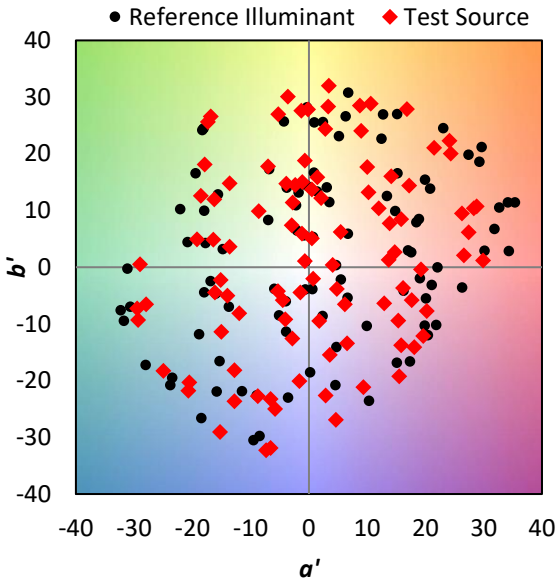
Summary

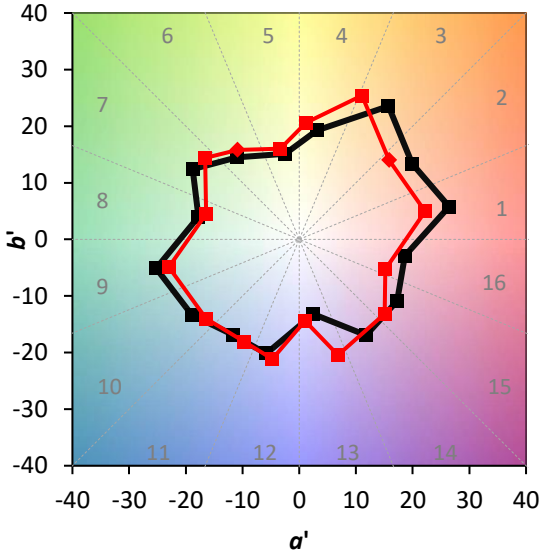
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R_g = 94.5
CIE R_a = 73.3
R_9 = -25.6

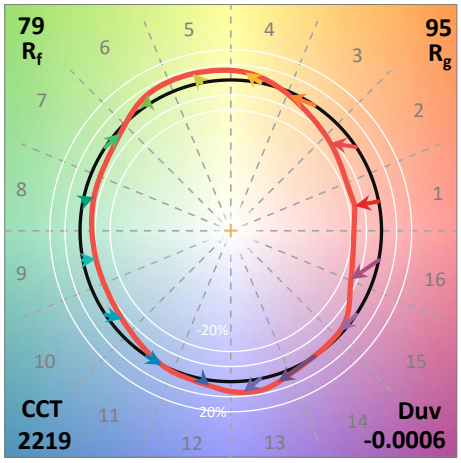
Spectral Power Distribution Comparison

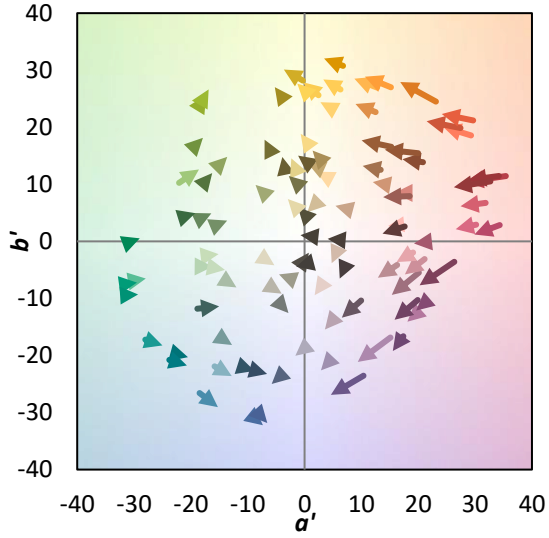


Color Vector Graphics







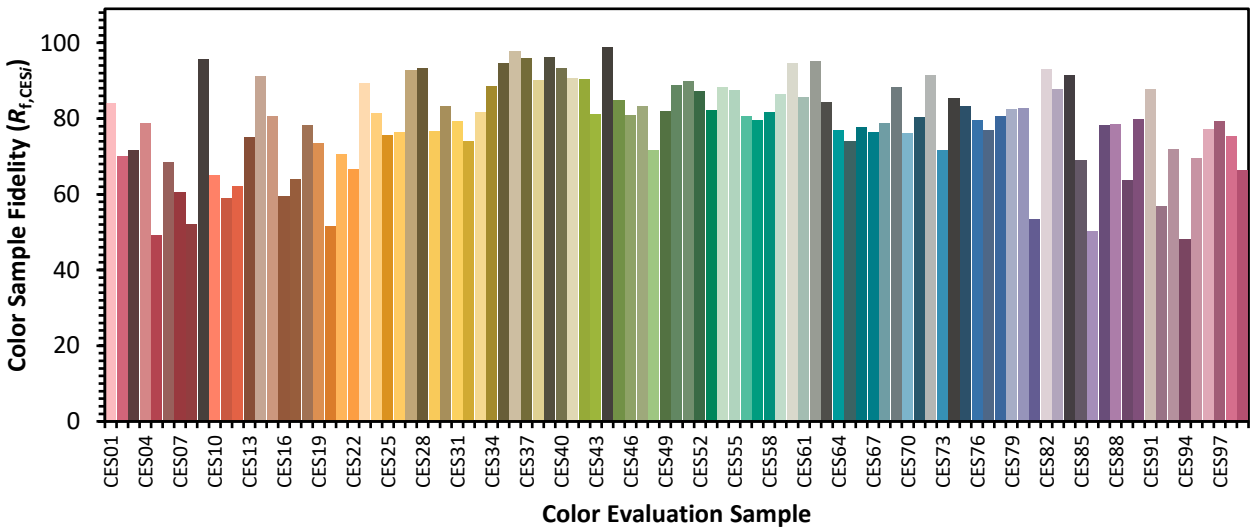


REPORT NUMBER: SP1-2501-332-2

TM-30-18

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

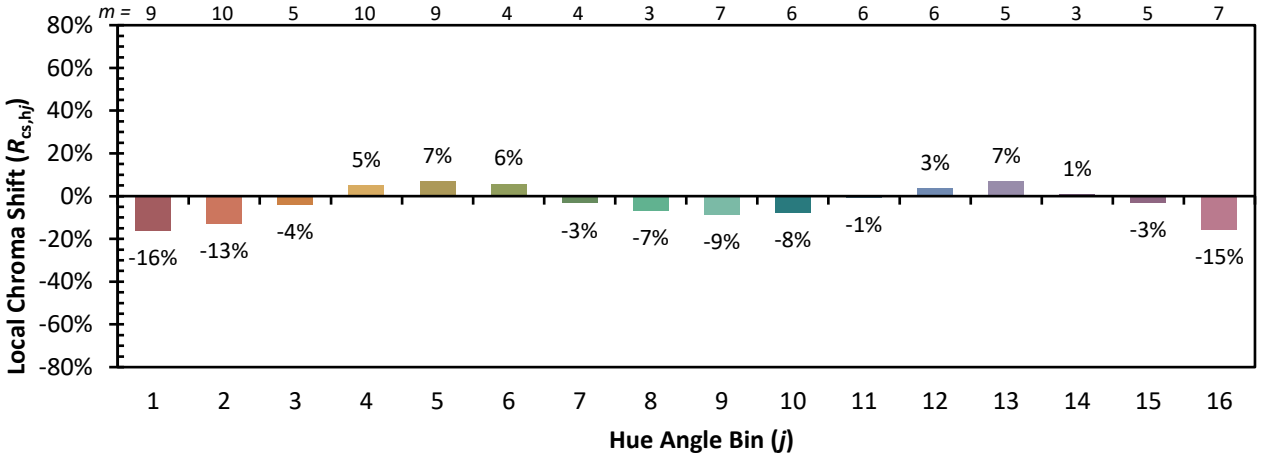
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CES02 = 65	CES27 = 93	CES52 = 87	CES77 = 77
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 81
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 83
CES05 = 52	CES30 = 83	CES55 = 88	CES80 = 83
CES06 = 52	CES31 = 79	CES56 = 81	CES81 = 53
CES07 = 44	CES32 = 74	CES57 = 80	CES82 = 93
CES08 = 42	CES33 = 82	CES58 = 82	CES83 = 88
CES09 = 29	CES34 = 89	CES59 = 87	CES84 = 91
CES10 = 79	CES35 = 95	CES60 = 95	CES85 = 69
CES11 = 62	CES36 = 98	CES61 = 86	CES86 = 50
CES12 = 68	CES37 = 96	CES62 = 95	CES87 = 78
CES13 = 45	CES38 = 90	CES63 = 84	CES88 = 79
CES14 = 75	CES39 = 96	CES64 = 77	CES89 = 64
CES15 = 72	CES40 = 93	CES65 = 74	CES90 = 80
CES16 = 49	CES41 = 91	CES66 = 78	CES91 = 88
CES17 = 51	CES42 = 90	CES67 = 77	CES92 = 57
CES18 = 57	CES43 = 81	CES68 = 79	CES93 = 72
CES19 = 74	CES44 = 99	CES69 = 88	CES94 = 48
CES20 = 68	CES45 = 85	CES70 = 76	CES95 = 70
CES21 = 88	CES46 = 81	CES71 = 80	CES96 = 77
CES22 = 81	CES47 = 83	CES72 = 91	CES97 = 79
CES23 = 92	CES48 = 72	CES73 = 72	CES98 = 75
CES24 = 92	CES49 = 82	CES74 = 85	CES99 = 66
CES25 = 73	CES50 = 89	CES75 = 83	

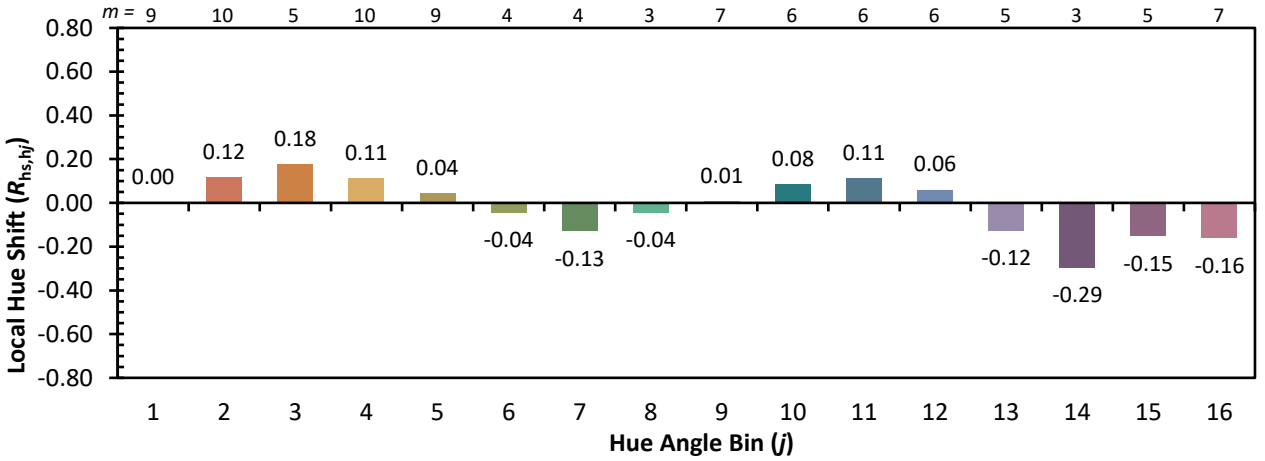


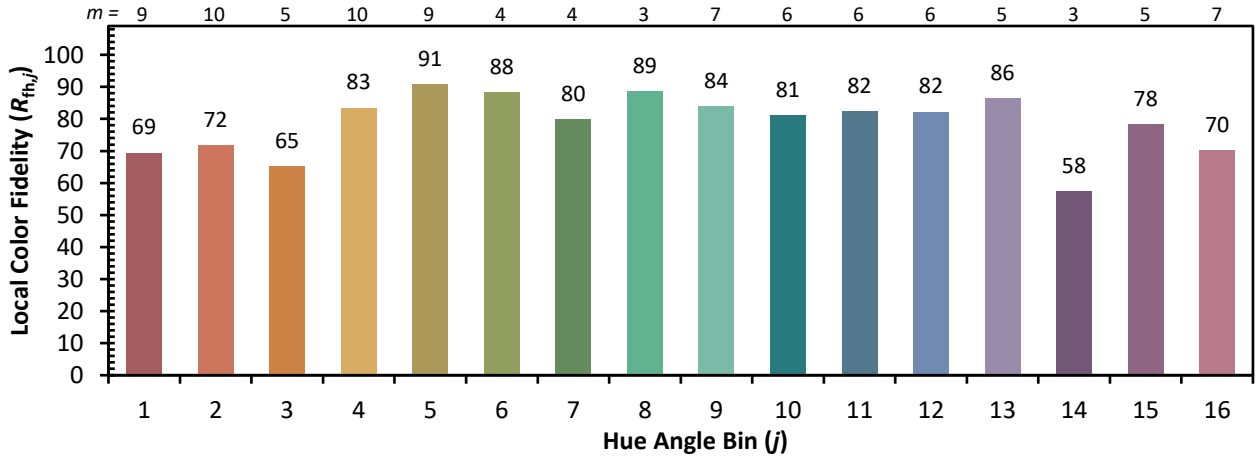
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Color Rendition by Hue-Angle Bin



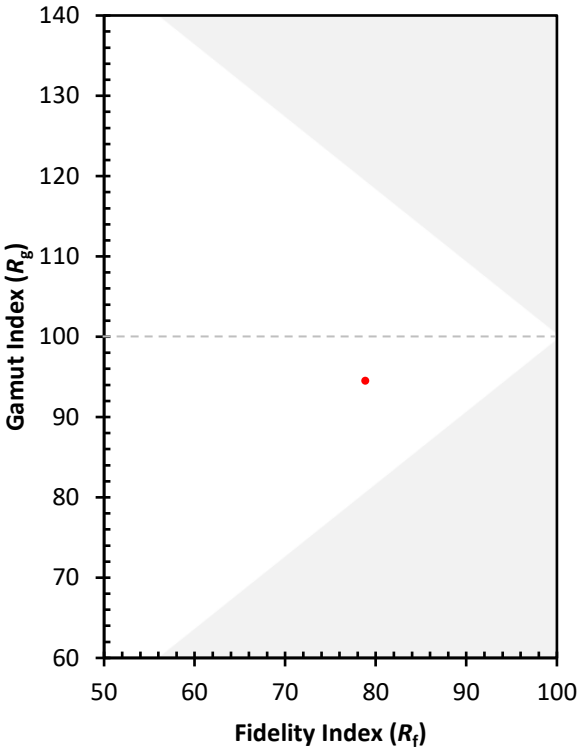


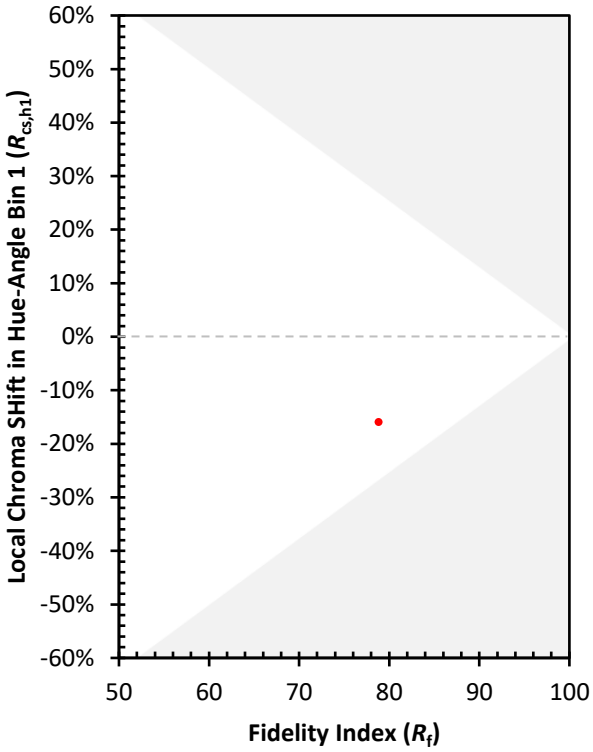


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Measure Comparisons





(END OF REPORT)