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: P1223889

Luminaire Tested: **FFX-CLB-80-727-U-VM9-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:	P1223889
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-80-727-U-VM9-T4
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK TYPE 4 DISTRIBUTION
Light Source:	(6) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11443.1 lumens
Efficiency:	N/A
Efficacy:	139.9 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

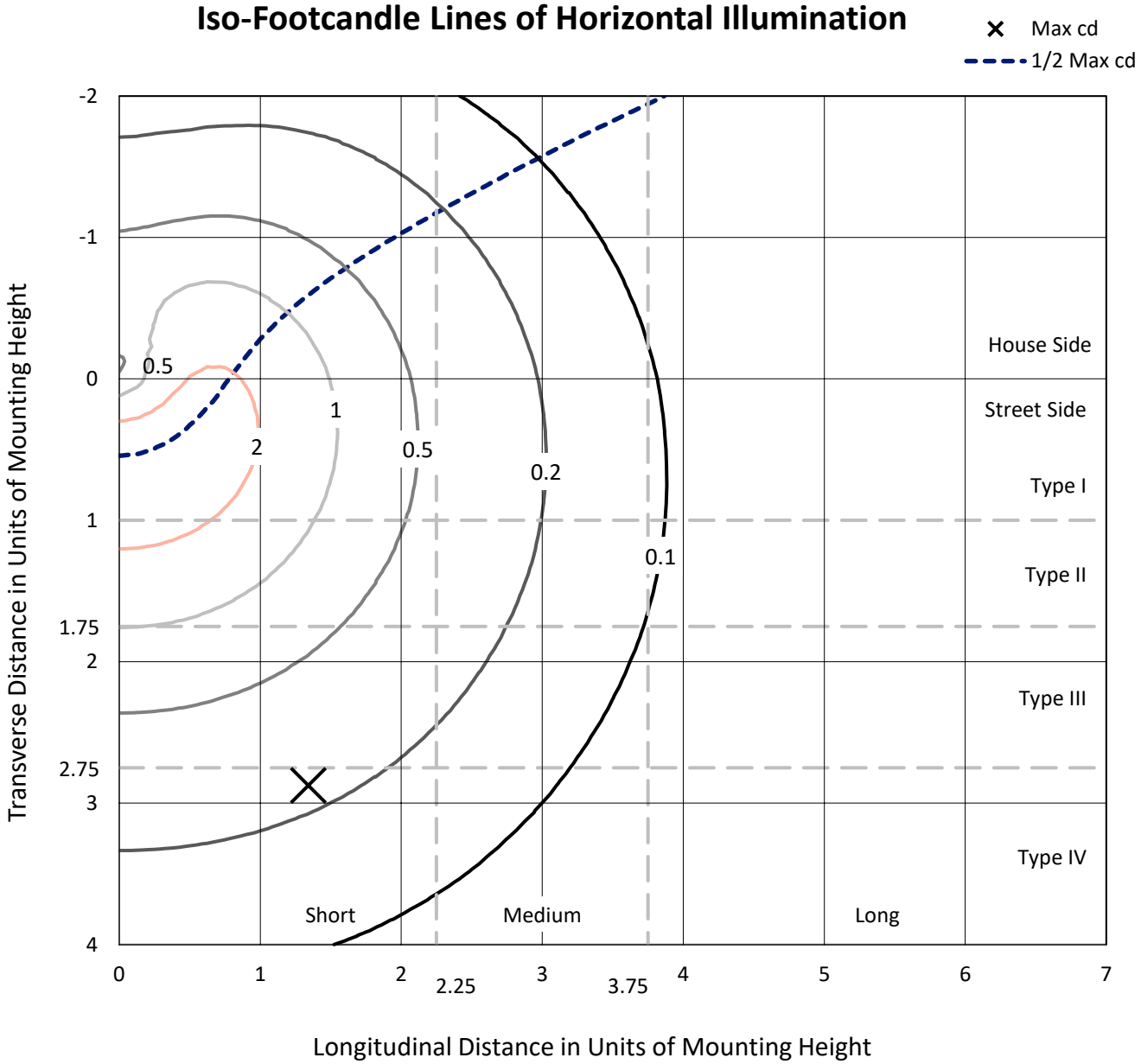


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Iso-Footcandle Lines of Horizontal Illumination



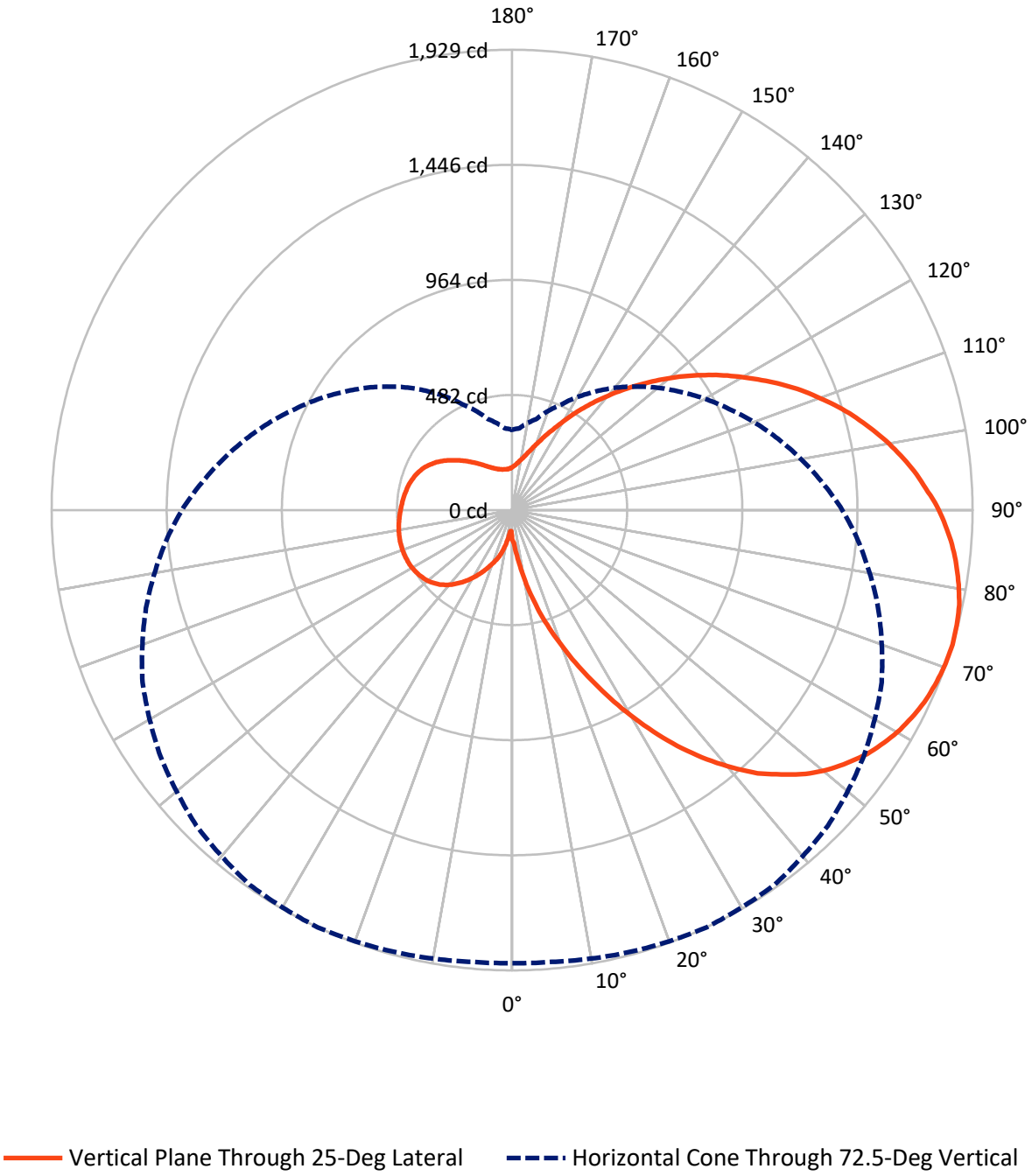
Based on 15 foot mounting height. Maximum calculated value = 3 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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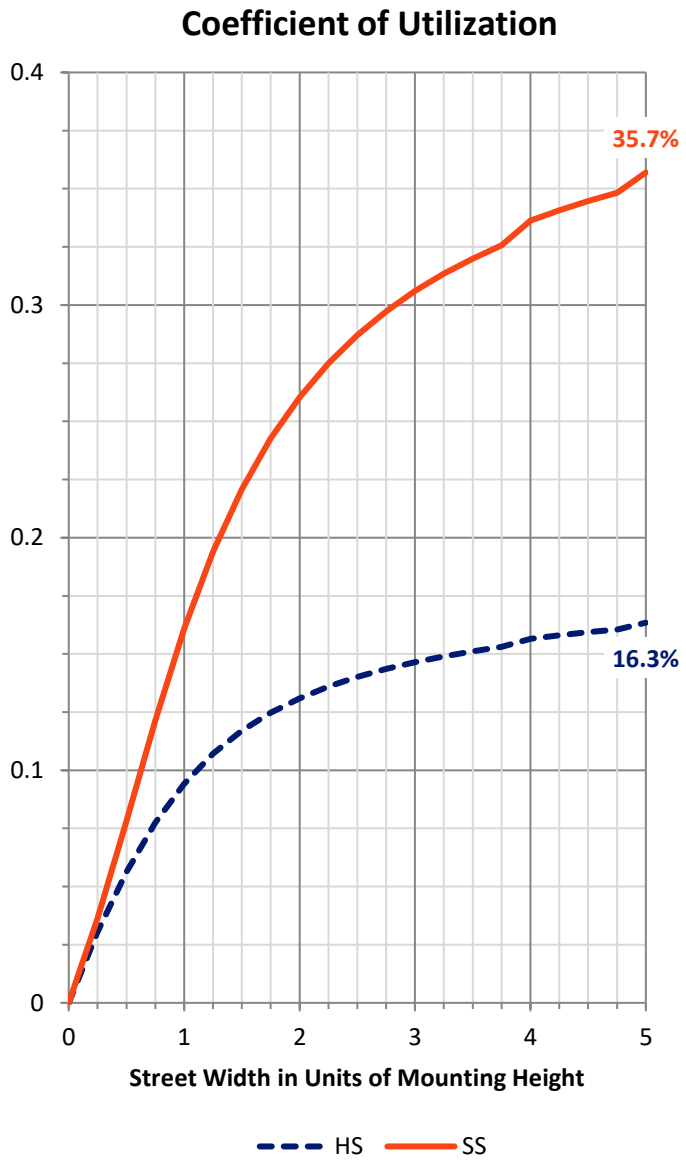
REPORT NUMBER: P1223889
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2061.7	1577.7	3639.5
	% Fixture	18.0	13.8	31.8
Street Side	Lumens	4663.0	3140.7	7803.6
	% Fixture	40.7	27.4	68.2
Total	Lumens	6724.7	4718.4	11443.1
	% Fixture	58.8	41.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.2	0.1
10°-20°	97.1	0.8
20°-30°	264.7	2.3
30°-40°	524.4	4.6
40°-50°	818.7	7.2
50°-60°	1073.1	9.4
60°-70°	1252.2	10.9
70°-80°	1343.6	11.7
80°-90°	1334.7	11.7
90°-100°	1238.3	10.8
100°-110°	1078.3	9.4
110°-120°	872.5	7.6
120°-130°	642.3	5.6
130°-140°	424.8	3.7
140°-150°	251.3	2.2
150°-160°	132.1	1.2
160°-170°	61.2	0.5
170°-180°	17.6	0.2
0°-90°	6724.7	58.8
0°-180°	11443.1	100.0



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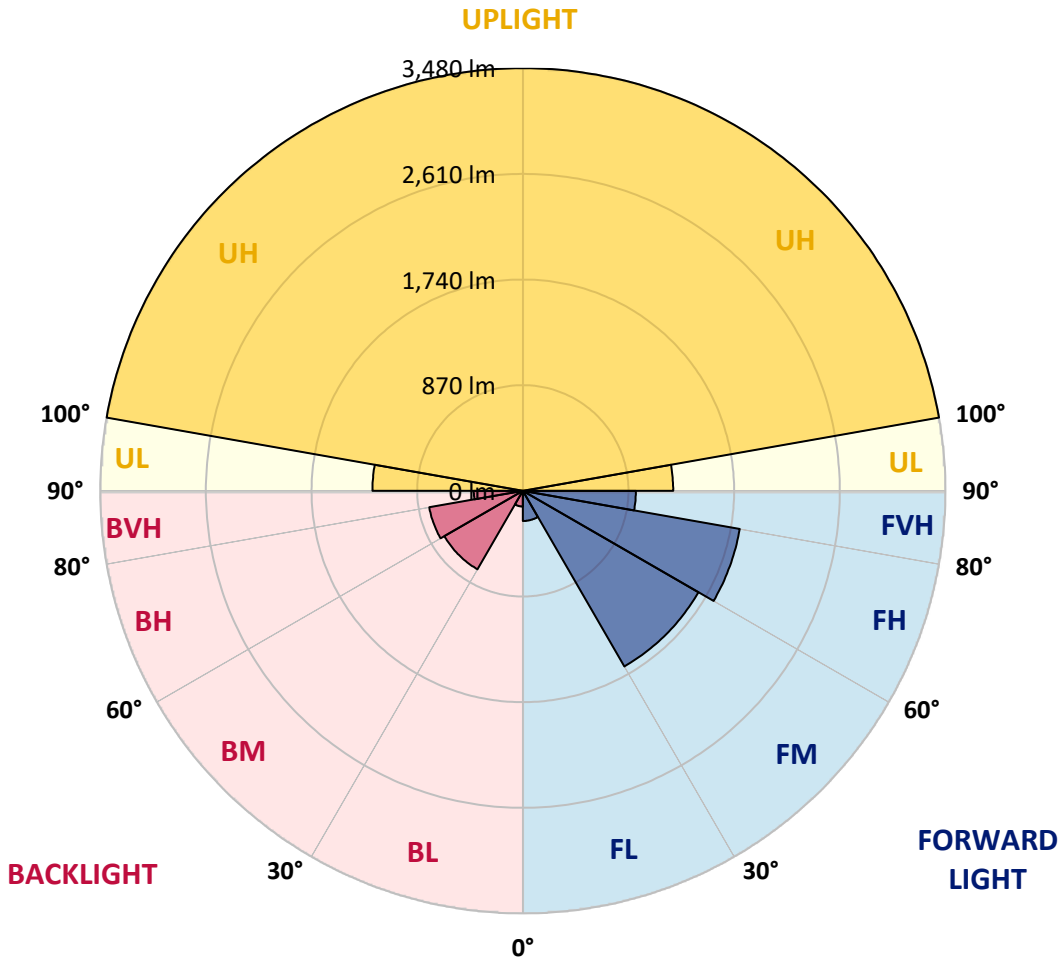
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	248.5	2.2			
FM	(30°-60°)	1670.1	14.6			
FH	(60°-80°)	1813.8	15.9			G2/5000
FVH	(80°-90°)	930.5	8.1			G5
BL	(0°-30°)	129.5	1.1	B1/500		
BM	(30°-60°)	746.1	6.5	B1/1000		
BH	(60°-80°)	782.0	6.8	B2/1000		G2/1000
BVH	(80°-90°)	404.2	3.5			G3/500
UL	(90°-100°)	1238.3	10.8		U5	
UH	(100°-180°)	3480.1	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°	124.3	124.3	124.3	*124.3*	124.3	124.3	124.3	124.3	124.3	124.3	124.3
2.5°	133.6	133.6	135.9	*136.7*	137.4	137.4	138.2	137.4	134.3	130.5	128.2
5°	182.2	180.7	179.9	*180.7*	180.7	177.6	172.9	164.5	158.3	148.2	144.4
7.5°	244.0	242.4	240.1	*237.8*	237.8	230.1	222.4	215.4	204.6	190.7	186.1
10°	315.8	312.7	309.6	*305.0*	299.6	292.6	282.6	271.0	256.3	241.7	232.4
12.5°	386.0	385.3	383.7	*376.8*	366.7	360.6	349.7	333.5	315.0	294.9	287.2
15°	467.1	463.2	460.9	*455.5*	449.3	437.0	419.2	403.8	382.2	354.4	345.1
17.5°	542.0	540.5	535.8	*534.3*	524.2	511.1	491.0	467.9	441.6	416.1	402.3
20°	623.8	627.7	622.3	*617.7*	599.9	586.8	568.2	545.9	514.2	477.9	463.2
22.5°	714.9	718.8	710.3	*710.3*	695.6	674.0	647.8	621.5	582.1	544.3	525.8
25°	820.7	822.3	809.1	*803.7*	792.9	771.3	739.6	708.8	663.2	615.3	593.7
27.5°	921.1	924.2	916.5	*909.5*	891.7	870.9	836.2	799.9	748.1	691.0	667.1
30°	1034.6	1028.4	1025.3	*1013.0*	994.4	972.8	934.2	894.1	834.6	767.4	738.1
32.5°	1134.9	1130.3	1132.6	*1122.6*	1095.6	1071.6	1035.4	986.7	917.2	847.0	813.8
35°	1238.4	1240.7	1237.6	*1226.8*	1210.6	1179.0	1129.5	1074.7	1005.2	922.6	887.1
37.5°	1344.2	1338.8	1334.9	*1325.7*	1309.4	1273.9	1225.3	1163.5	1083.2	996.0	956.6
40°	1435.3	1439.1	1434.5	*1419.1*	1404.4	1365.0	1311.8	1241.5	1158.9	1065.5	1019.9
42.5°	1521.8	1520.2	1516.4	*1507.9*	1487.8	1446.1	1393.6	1321.8	1228.4	1124.9	1077.0
45°	1591.2	1592.8	1592.8	*1580.4*	1561.9	1524.1	1463.9	1390.5	1290.9	1182.0	1131.9
47.5°	1657.6	1660.0	1658.4	*1653.0*	1632.9	1588.2	1527.2	1451.5	1345.7	1233.8	1177.4
50°	1716.3	1716.3	1715.5	*1710.9*	1691.6	1648.4	1585.8	1504.8	1395.1	1277.0	1221.4
52.5°	1765.0	1764.2	1765.0	*1759.6*	1739.5	1700.1	1635.3	1548.8	1439.1	1313.3	1259.3
55°	1803.6	1801.2	1806.7	*1804.3*	1786.6	1742.6	1673.9	1589.7	1476.2	1348.0	1290.9
57.5°	1834.4	1833.7	1840.6	*1838.3*	1820.6	1776.5	1708.6	1622.9	1507.1	1376.6	1314.1
60°	1859.9	1858.4	1867.6	*1867.6*	1849.9	1805.9	1738.7	1648.4	1531.8	1399.0	1335.7
62.5°	1877.7	1878.5	1887.0	*1890.0*	1874.6	1829.8	1759.6	1670.8	1551.9	1416.8	1352.7
65°	1890.0	1891.6	1901.6	*1907.8*	1892.4	1848.3	1775.8	1687.0	1568.1	1431.4	1365.8
67.5°	1897.8	1898.5	1912.4	*1918.6*	1906.3	1859.9	1789.7	1698.6	1578.9	1440.7	1375.8
70°	1900.8	1901.6	1917.1	*1926.3*	1914.0	1866.9	1795.8	1704.7	1585.8	1446.9	1381.2
72.5°	*1898.5*	*1900.1*	*1916.3*	*1928.6*	*1916.3*	*1870.0*	*1798.2*	*1707.8*	*1587.4*	*1453.8*	*1382.8*
75°	1890.8	1892.4	1910.9	*1923.2*	1914.0	1866.1	1794.3	1704.7	1585.1	1447.6	1380.5
77.5°	1877.7	1880.0	1899.3	*1914.7*	1903.9	1858.4	1786.6	1696.2	1576.6	1439.9	1372.0
80°	1858.4	1859.2	1880.8	*1896.2*	1888.5	1842.9	1771.1	1681.6	1562.7	1426.8	1360.4
82.5°	1833.7	1836.8	1857.6	*1874.6*	1867.6	1820.6	1751.1	1663.0	1544.9	1410.6	1343.4
85°	1807.4	1810.5	1829.8	*1848.3*	1839.9	1795.8	1726.4	1639.1	1521.0	1388.2	1324.1
87.5°	1775.8	1778.1	1796.6	*1815.9*	1808.2	1764.2	1697.0	1611.3	1496.3	1367.3	1301.7
90°	1741.0	1743.3	1761.1	*1779.6*	1769.6	1727.9	1662.3	1578.1	1466.2	1339.5	1276.2
92.5°	1704.0	1704.7	1724.8	*1734.9*	1729.4	1692.4	1627.5	1546.5	1434.5	1311.0	1251.5
95°	1662.3	1662.3	1681.6	*1692.4*	1683.1	1648.4	1587.4	1506.3	1397.5	1281.6	1220.6
97.5°	1616.7	1618.3	1632.9	*1643.7*	1640.7	1604.4	1546.5	1469.3	1365.0	1250.0	1192.1
100°	1569.6	1569.6	1582.8	*1592.0*	1585.1	1555.7	1500.9	1429.9	1324.1	1216.0	1159.7
102.5°	1520.2	1519.4	1530.3	*1537.2*	1532.6	1505.5	1454.6	1384.3	1285.5	1180.5	1127.2
105°	1465.4	1463.1	1473.9	*1481.6*	1477.0	1453.0	1409.8	1341.9	1246.1	1145.8	1094.8
107.5°	1406.7	1410.6	1416.8	*1421.4*	1417.5	1396.7	1355.8	1295.5	1205.2	1109.5	1060.1
110°	1351.1	1353.4	1354.2	*1359.6*	1358.9	1341.9	1307.1	1246.9	1161.2	1070.9	1023.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1294.8	1294.0	1294.8	*1298.6*	1298.6	1281.6	1248.4	1195.9	1118.0	1029.9	985.9
115°	1233.8	1230.7	1231.5	*1232.2*	1235.3	1222.2	1193.6	1144.2	1067.8	989.8	946.6
117.5°	1170.5	1169.7	1168.1	*1165.8*	1165.8	1160.4	1135.7	1091.7	1019.1	941.9	905.6
120°	1110.2	1107.2	1103.3	*1101.0*	1102.5	1096.3	1076.3	1032.3	968.2	898.7	862.4
122.5°	1040.8	1043.1	1040.8	*1037.7*	1038.4	1032.3	1015.3	978.2	914.1	847.7	815.3
125°	981.3	980.5	977.4	*972.8*	972.8	970.5	952.0	919.5	862.4	799.1	769.0
127.5°	914.9	915.7	912.6	*910.3*	911.8	907.2	894.8	857.8	807.6	751.2	721.9
130°	852.4	851.6	850.8	*846.2*	850.1	841.6	830.8	799.9	752.0	704.1	677.1
132.5°	793.7	789.1	786.0	*785.2*	784.4	783.7	770.5	743.5	703.4	655.5	629.2
135°	735.0	731.2	727.3	*725.8*	727.3	723.4	711.9	689.5	652.4	606.1	586.0
137.5°	674.8	673.2	673.2	*669.4*	669.4	666.3	656.3	637.7	603.0	562.8	542.8
140°	620.7	617.7	616.1	*613.8*	616.1	613.0	602.2	584.5	555.1	520.4	501.1
142.5°	565.2	562.1	564.4	*562.1*	559.8	558.2	548.9	535.0	509.6	477.9	461.7
145°	513.4	513.4	511.9	*512.7*	511.1	509.6	500.3	487.2	465.6	436.2	424.6
147.5°	464.8	466.3	464.8	*466.3*	466.3	460.2	454.0	443.2	423.1	399.9	387.6
150°	419.2	421.6	420.0	*419.2*	420.0	416.9	408.4	402.3	384.5	364.4	352.1
152.5°	380.6	382.2	382.2	*380.6*	379.9	378.3	369.8	361.3	347.4	332.0	323.5
155°	344.3	344.3	345.1	*345.9*	343.6	338.9	335.9	328.9	316.6	302.7	294.2
157.5°	314.2	313.5	314.2	*313.5*	312.7	308.1	303.4	298.0	288.0	275.6	271.0
160°	285.7	285.7	286.4	*285.7*	282.6	280.3	276.4	271.8	263.3	254.8	248.6
162.5°	262.5	262.5	262.5	*261.7*	258.6	257.9	253.2	248.6	241.7	234.7	230.1
165°	242.4	242.4	241.7	*241.7*	240.1	237.8	233.9	230.1	223.9	218.5	215.4
167.5°	226.2	225.4	224.7	*223.9*	223.1	220.8	217.0	214.6	210.0	205.4	203.1
170°	212.3	212.3	211.5	*211.5*	210.0	207.7	205.4	202.3	199.2	194.6	193.0
172.5°	200.0	200.0	200.0	*200.0*	197.7	196.9	194.6	192.2	189.9	186.8	185.3
175°	190.7	190.7	190.7	*190.7*	189.2	187.6	186.8	184.5	183.0	180.7	179.9
177.5°	183.8	183.8	183.8	*183.8*	183.0	181.4	180.7	179.1	177.6	176.8	176.0
180°	177.6	177.6	177.6	*177.6*	177.6	177.6	177.6	177.6	177.6	177.6	177.6

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3
2.5°	125.8	121.2	115.0	108.1	102.7	95.7	88.8	84.9	82.6	81.1
5°	140.5	130.5	121.2	111.2	103.5	96.5	88.8	82.6	79.5	78.8
7.5°	179.1	165.2	151.3	139.0	128.2	117.4	109.6	103.5	99.6	99.6
10°	225.4	206.1	189.9	173.7	159.0	145.9	135.1	128.9	124.3	122.8
12.5°	277.9	254.8	232.4	213.9	192.2	177.6	164.5	156.0	150.6	149.8
15°	332.8	308.8	280.3	254.8	230.9	207.7	192.2	179.9	175.3	175.3
17.5°	385.3	354.4	322.7	291.8	262.5	235.5	213.9	200.0	193.0	191.5
20°	441.6	404.6	363.6	327.4	291.1	259.4	233.9	216.2	206.9	206.1
22.5°	499.5	456.3	412.3	364.4	322.7	284.9	254.8	233.9	222.4	220.8
25°	565.9	513.4	460.9	408.4	358.2	313.5	277.9	252.5	239.3	237.8
27.5°	639.3	573.7	511.1	450.9	392.2	342.8	300.3	271.0	254.8	254.0
30°	706.4	633.9	562.8	493.4	429.3	369.8	322.7	288.8	271.0	268.7
32.5°	773.6	693.3	613.0	536.6	462.5	398.4	345.1	305.7	284.9	283.4
35°	843.1	752.0	664.8	576.7	499.5	427.0	366.0	322.7	300.3	297.2
37.5°	908.0	809.9	714.2	620.7	532.0	453.2	386.0	338.9	313.5	309.6
40°	967.4	861.6	758.9	658.6	562.8	477.9	405.3	352.8	324.3	321.2
42.5°	1022.2	910.3	799.9	691.8	591.4	499.5	421.6	364.4	332.8	329.7
45°	1074.0	955.8	837.7	722.7	616.1	519.6	437.0	375.2	341.3	336.6
47.5°	1118.0	994.4	867.8	748.9	638.5	536.6	448.6	382.9	347.4	342.8
50°	1157.3	1026.9	896.4	774.4	657.8	552.0	459.4	389.1	350.5	345.9
52.5°	1189.0	1057.0	921.1	794.5	675.6	564.4	467.1	394.5	353.6	349.0
55°	1219.9	1081.7	942.7	812.2	688.7	576.0	473.3	397.6	355.2	349.7
57.5°	1245.4	1102.5	960.5	826.1	701.8	583.7	478.7	399.2	355.2	349.0
60°	1263.9	1118.7	974.4	837.7	710.3	590.6	482.5	399.9	354.4	348.2
62.5°	1280.1	1131.9	984.4	847.7	718.8	596.0	486.4	400.7	352.8	346.7
65°	1292.5	1142.7	992.9	853.9	724.2	600.7	487.2	399.9	350.5	344.3
67.5°	1302.5	1149.6	998.3	859.3	728.1	603.0	488.7	399.2	349.0	342.0
70°	1306.4	1152.7	1001.4	861.6	730.4	604.5	488.7	397.6	345.9	338.9
72.5°	*1305.6*	*1152.7*	*1002.2*	*862.4*	*731.2*	*605.3*	*488.0*	*395.3*	*343.6*	*336.6*
75°	1303.3	1150.4	1000.6	861.6	730.4	604.5	487.2	393.8	341.3	335.1
77.5°	1297.1	1144.2	995.2	858.5	728.8	602.2	484.9	392.2	339.7	332.0
80°	1286.3	1134.9	987.5	851.6	723.4	599.9	482.5	389.1	336.6	330.4
82.5°	1270.8	1123.4	978.2	845.4	718.8	595.3	479.5	387.6	335.1	328.9
85°	1253.1	1108.7	965.9	836.2	711.9	590.6	475.6	384.5	333.5	327.4
87.5°	1231.5	1089.4	953.5	825.3	703.4	584.5	471.7	382.2	332.8	326.6
90°	1209.1	1071.6	938.1	815.3	696.4	578.3	467.9	380.6	332.0	326.6
92.5°	1184.4	1052.3	923.4	802.2	687.1	572.1	464.0	379.1	332.0	326.6
95°	1159.7	1032.3	908.7	790.6	677.9	565.9	460.2	378.3	333.5	328.1
97.5°	1130.3	1009.1	891.0	778.3	667.1	559.0	457.1	377.5	334.3	329.7
100°	1102.5	985.9	872.4	764.4	657.0	551.3	452.4	376.8	335.9	330.4
102.5°	1072.4	963.5	853.9	749.7	646.2	542.8	448.6	376.0	337.4	332.8
105°	1042.3	936.5	833.8	732.7	633.1	534.3	443.9	375.2	338.2	333.5
107.5°	1009.1	911.0	811.5	716.5	620.0	525.0	437.8	373.7	338.9	334.3
110°	975.1	880.9	788.3	698.0	604.5	513.4	431.6	369.8	338.2	334.3

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

Scaled Data Report

REPORT NUMBER: P1223889
CATALOG NUMBER: FFX-CLB-80-727-U-VM9-T4

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	942.7	852.4	762.8	677.1	588.3	501.8	423.1	366.0	335.9	332.8
115°	902.6	819.9	735.8	654.7	569.8	487.2	413.8	360.6	332.8	328.9
117.5°	865.5	786.0	707.2	630.8	550.5	472.5	403.0	353.6	327.4	324.3
120°	823.8	749.7	676.3	603.8	528.9	455.5	389.9	345.1	320.4	318.1
122.5°	782.9	714.2	644.7	576.0	505.7	436.2	376.8	334.3	312.7	310.4
125°	739.6	676.3	611.5	546.6	480.2	416.1	361.3	322.0	302.7	300.3
127.5°	695.6	637.0	576.0	515.7	455.5	396.1	345.1	309.6	291.1	290.3
130°	649.3	596.8	541.2	485.6	430.0	375.2	328.1	296.5	279.5	277.9
132.5°	607.6	559.0	507.3	454.8	402.3	354.4	311.9	282.6	267.9	266.4
135°	566.7	518.1	473.3	427.0	378.3	333.5	295.7	269.5	256.3	254.8
137.5°	525.0	482.5	440.9	397.6	353.6	313.5	280.3	257.1	245.5	244.0
140°	483.3	447.8	410.0	369.1	331.2	294.9	264.8	245.5	234.7	233.2
142.5°	445.5	411.5	377.5	342.0	308.1	277.2	250.9	232.4	223.1	222.4
145°	408.4	379.1	348.2	316.6	287.2	261.7	237.8	222.4	214.6	213.9
147.5°	375.2	349.0	321.2	294.2	268.7	244.7	225.4	212.3	204.6	203.8
150°	342.0	318.9	295.7	272.5	250.9	230.9	213.9	203.1	197.7	196.1
152.5°	312.7	294.2	273.3	254.0	234.7	217.7	204.6	194.6	189.9	189.2
155°	286.4	271.0	254.0	237.0	221.6	207.7	196.1	188.4	184.5	184.5
157.5°	264.0	250.9	237.0	223.1	210.8	199.2	189.9	183.8	180.7	179.9
160°	244.0	232.4	221.6	211.5	200.0	191.5	184.5	179.1	176.8	176.0
162.5°	225.4	217.7	209.2	200.7	192.2	185.3	179.9	176.0	174.5	174.5
165°	212.3	205.4	198.4	192.2	186.1	181.4	176.8	174.5	172.9	172.2
167.5°	200.7	195.3	190.7	186.1	181.4	177.6	174.5	172.9	171.4	171.4
170°	191.5	187.6	184.5	181.4	178.3	175.3	173.7	172.2	171.4	171.4
172.5°	183.8	181.4	179.1	177.6	175.3	173.7	172.2	171.4	171.4	171.4
175°	179.1	177.6	176.0	175.3	174.5	173.7	172.9	172.2	172.2	172.2
177.5°	176.0	175.3	175.3	174.5	174.5	174.5	174.5	174.5	174.5	174.5
180°	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6	177.6

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: SP1-2501-332-3

Test Date: 03/21/2025

Luminaire Tested: FFX-CLB-100-727-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-727-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

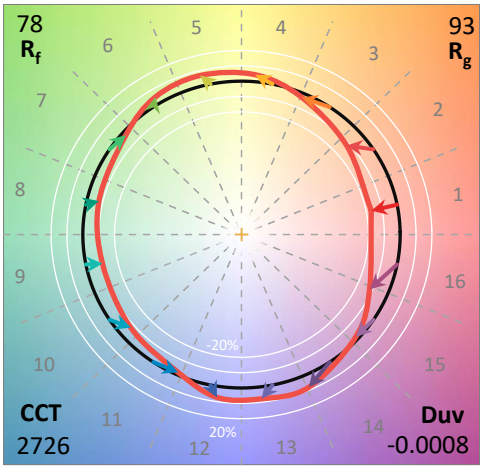
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-3
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-100-727-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	2726
CIE u':	0.2616
CIE v':	0.5257
Duv:	-0.0008
CIE x:	0.4564
CIE y:	0.4077
CIE z:	0.1358
Peak Wavelength (nm):	599
Dominant Wavelength (nm):	584
Purity:	59.39437
Rf:	77.8
Rg:	93.1

CRI (Ra):	72.7
R1:	69.3
R2:	86.2
R3:	92.5
R4:	67.2
R5:	69.7
R6:	82.9
R7:	74.2
R8:	39.5
R9:	-32.4
R10:	70.6
R11:	63.6
R12:	64.8
R13:	72.8
R14:	96.1
R15:	60.3



Test Conditions

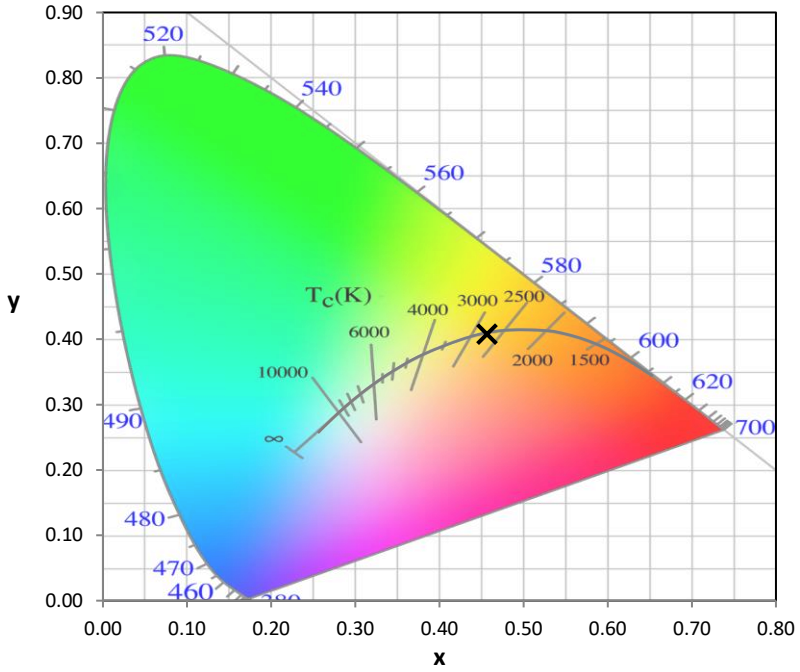
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

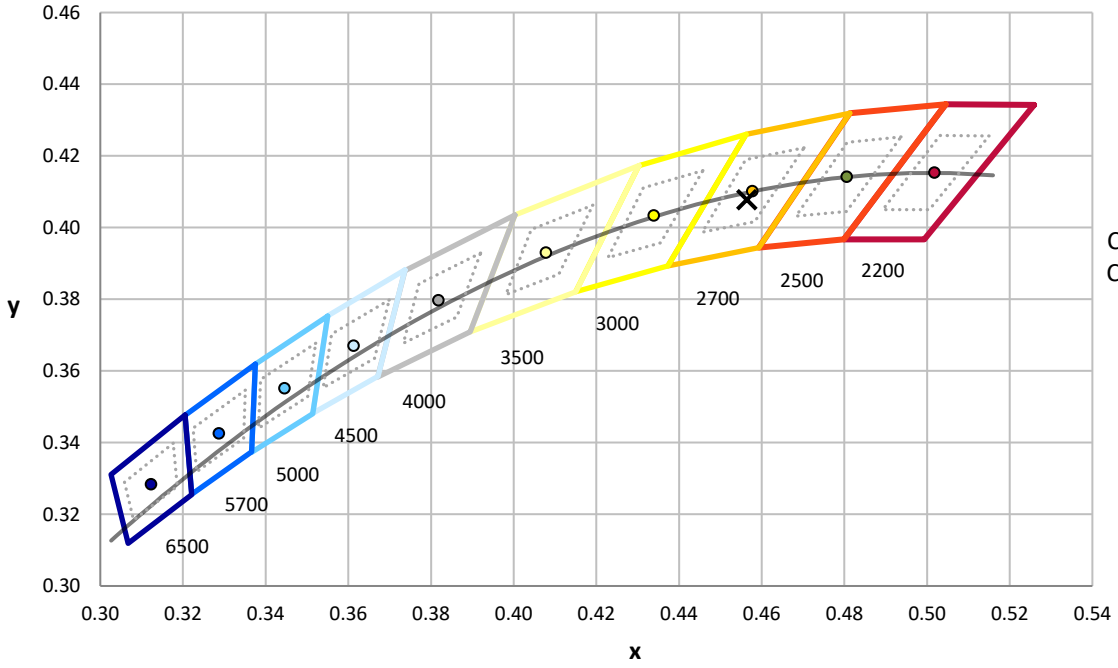
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-3

CIE 1931 Chromaticity Diagram



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

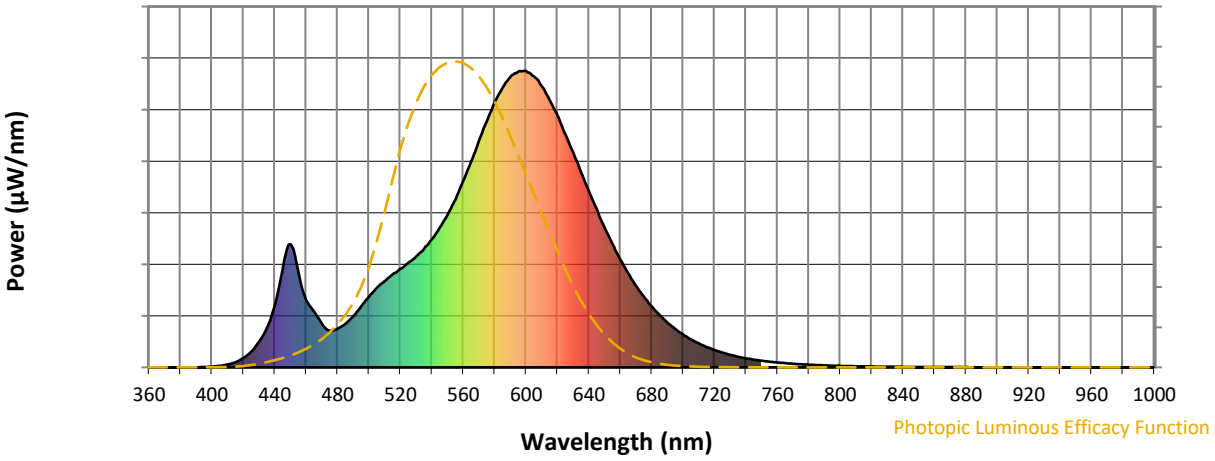


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

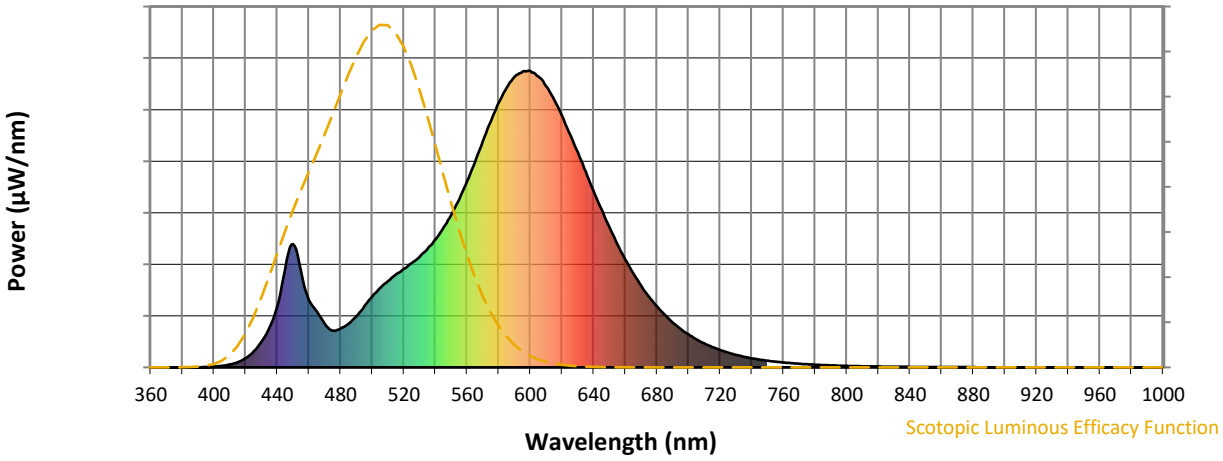


Photopic Lumens: NR

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-3

Scotopic Flux vs. Wavelength

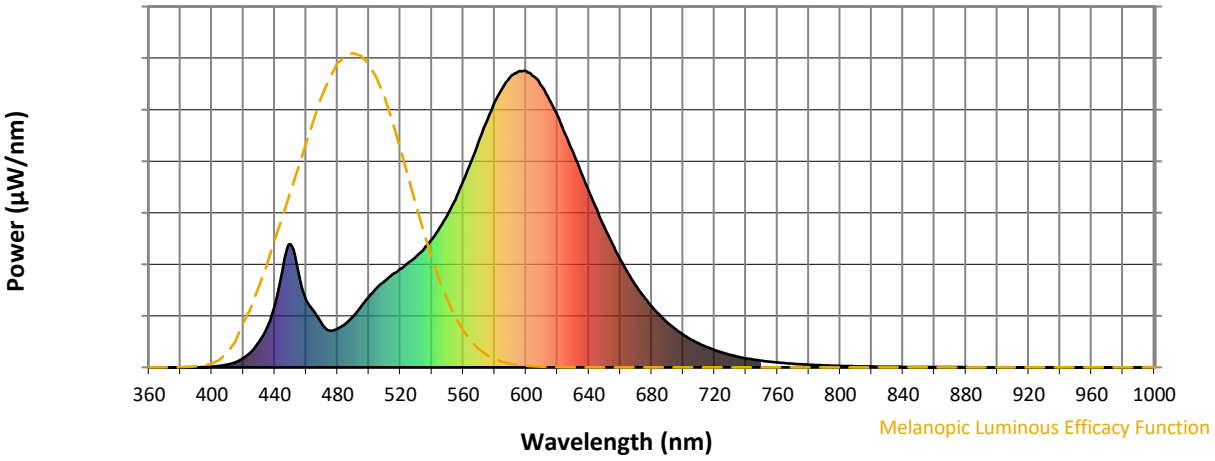


Scotopic Lumens: NR **S/P: 1.16**

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.15**

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

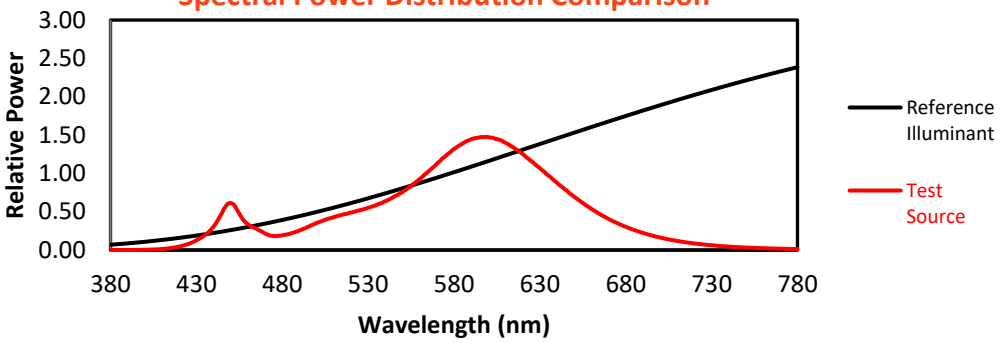
REPORT NUMBER: SP1-2501-332-3

TM-30-18

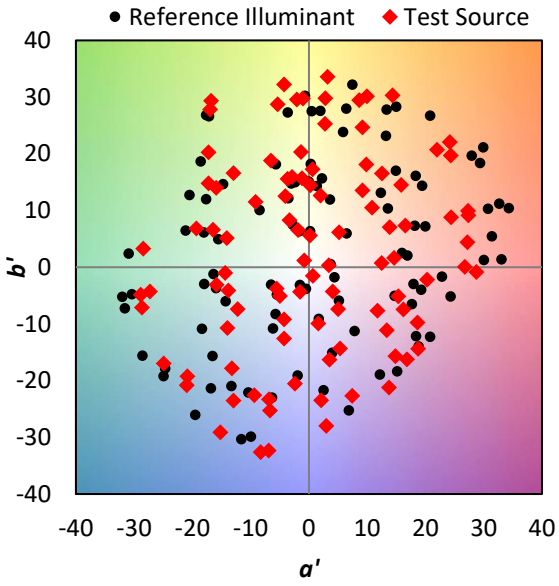
Summary

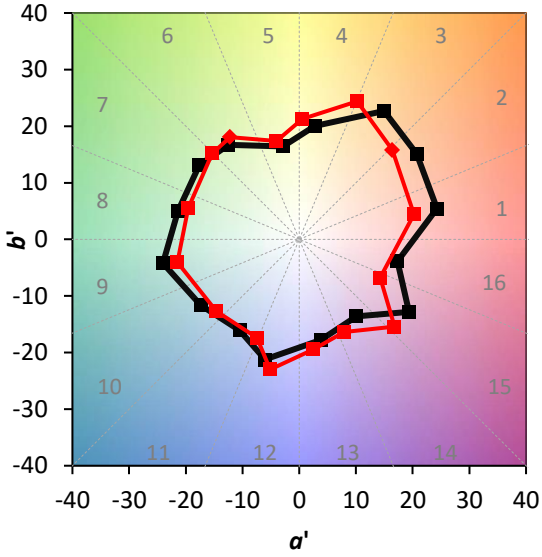
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

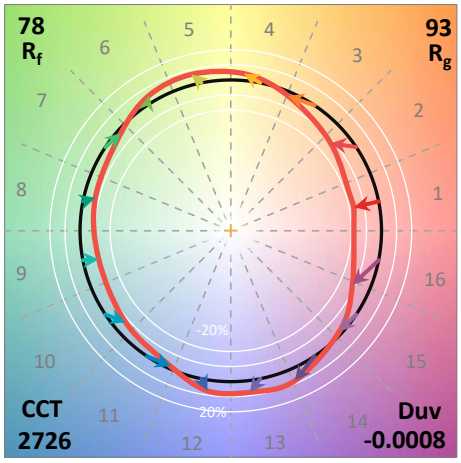
Spectral Power Distribution Comparison

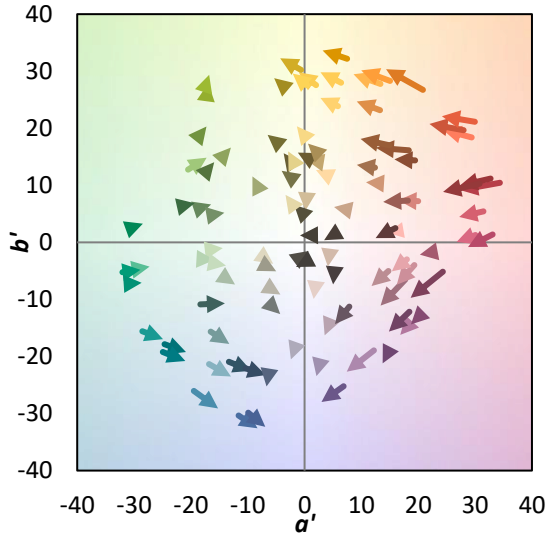


Color Vector Graphics







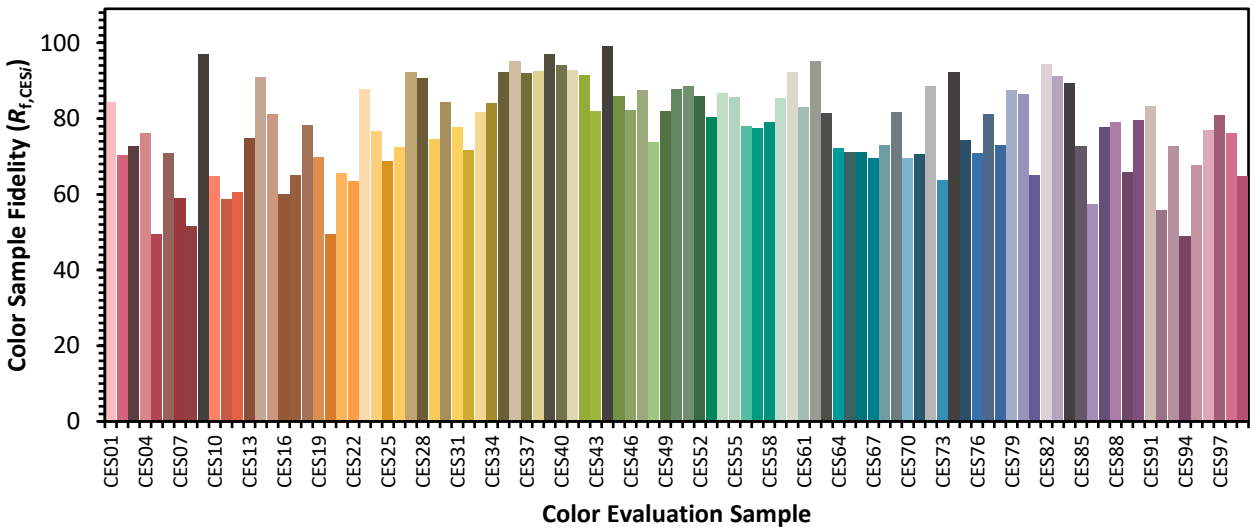


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

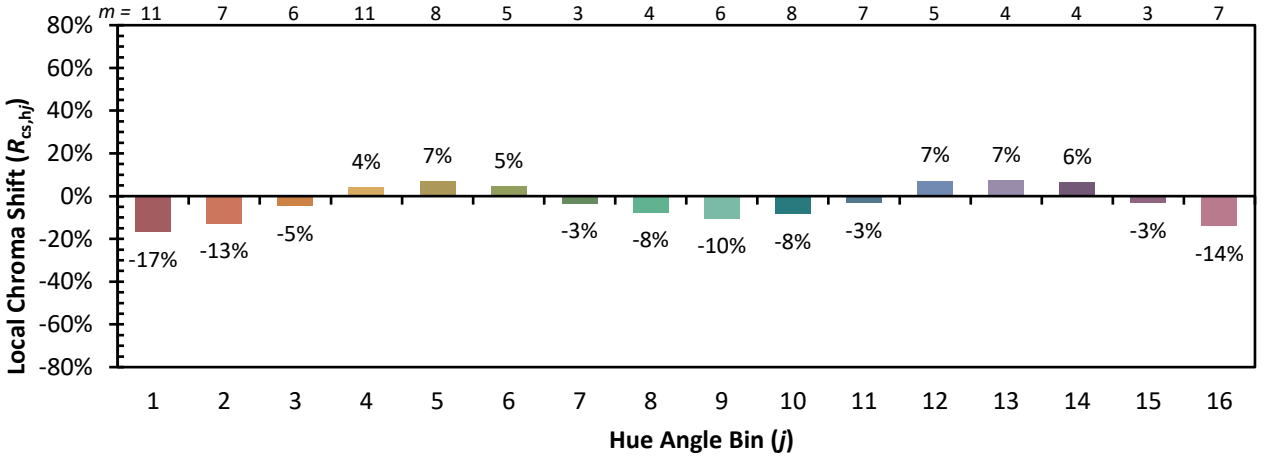
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57 = 77	CES82 = 94
CES08 = 41	CES33 = 82	CES58 = 79	CES83 = 91
CES09 = 29	CES34 = 84	CES59 = 85	CES84 = 89
CES10 = 77	CES35 = 92	CES60 = 92	CES85 = 73
CES11 = 60	CES36 = 95	CES61 = 83	CES86 = 57
CES12 = 66	CES37 = 92	CES62 = 95	CES87 = 78
CES13 = 44	CES38 = 93	CES63 = 82	CES88 = 79
CES14 = 74	CES39 = 97	CES64 = 72	CES89 = 66
CES15 = 72	CES40 = 94	CES65 = 71	CES90 = 80
CES16 = 48	CES41 = 93	CES66 = 71	CES91 = 83
CES17 = 51	CES42 = 92	CES67 = 69	CES92 = 56
CES18 = 57	CES43 = 82	CES68 = 73	CES93 = 73
CES19 = 73	CES44 = 99	CES69 = 82	CES94 = 49
CES20 = 67	CES45 = 86	CES70 = 70	CES95 = 68
CES21 = 87	CES46 = 82	CES71 = 71	CES96 = 77
CES22 = 80	CES47 = 88	CES72 = 89	CES97 = 81
CES23 = 92	CES48 = 74	CES73 = 64	CES98 = 76
CES24 = 91	CES49 = 82	CES74 = 92	CES99 = 65
CES25 = 73	CES50 = 88	CES75 = 74	

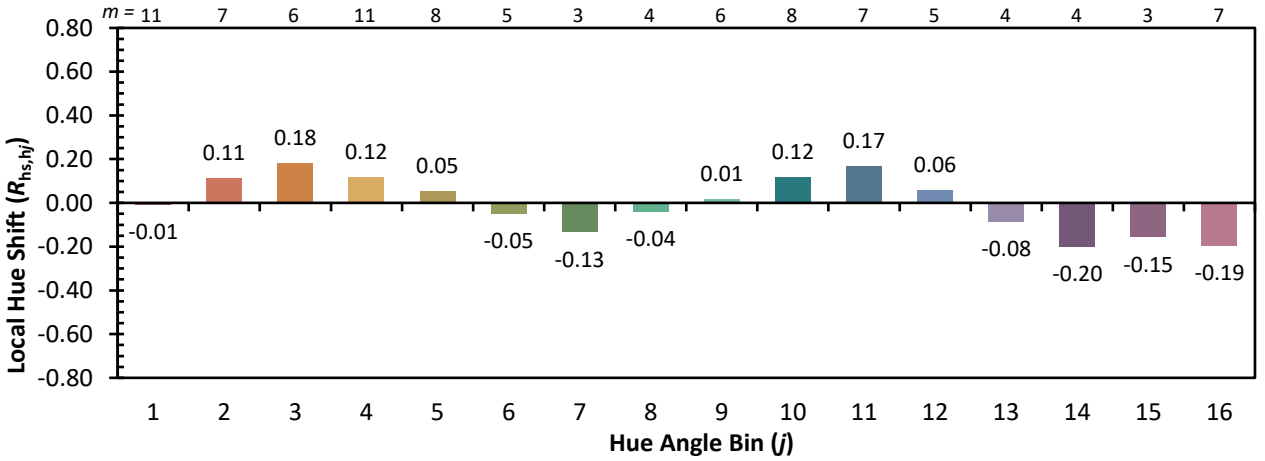


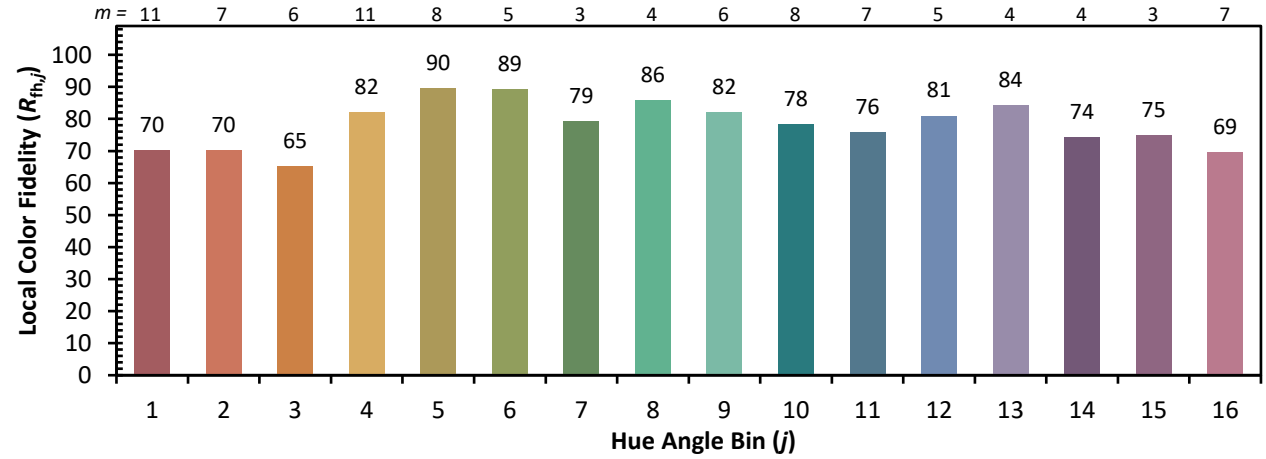
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Color Rendition by Hue-Angle Bin



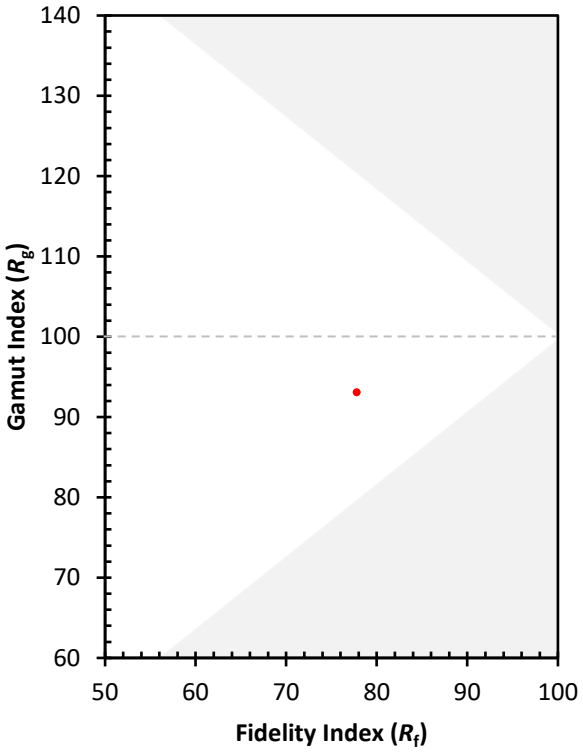


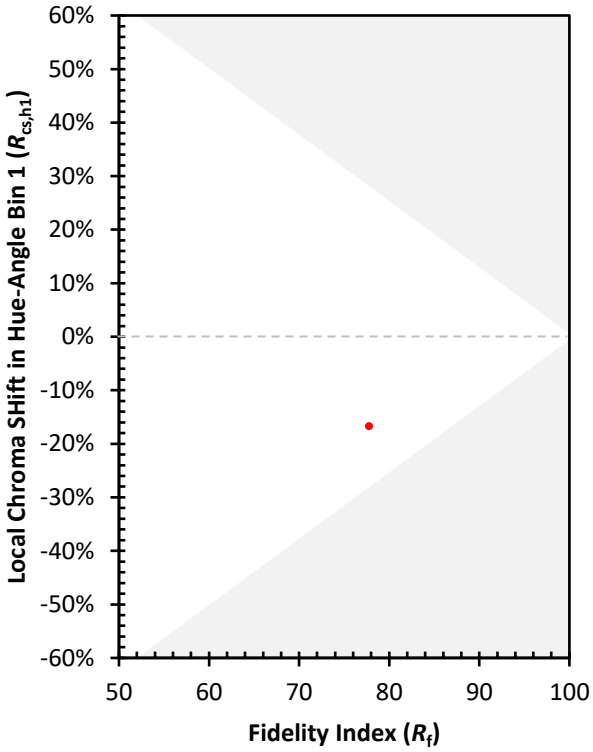


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Measure Comparisons





(END OF REPORT)