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: P1223934

Luminaire Tested: **FFX-CLB-80-727-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:	P1223934
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-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK TYPE 4 DISTRIBUTION AND HOUSE SIDE SHIELD
Light Source:	(6) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10528.2 lumens
Efficiency:	N/A
Efficacy:	128.7 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

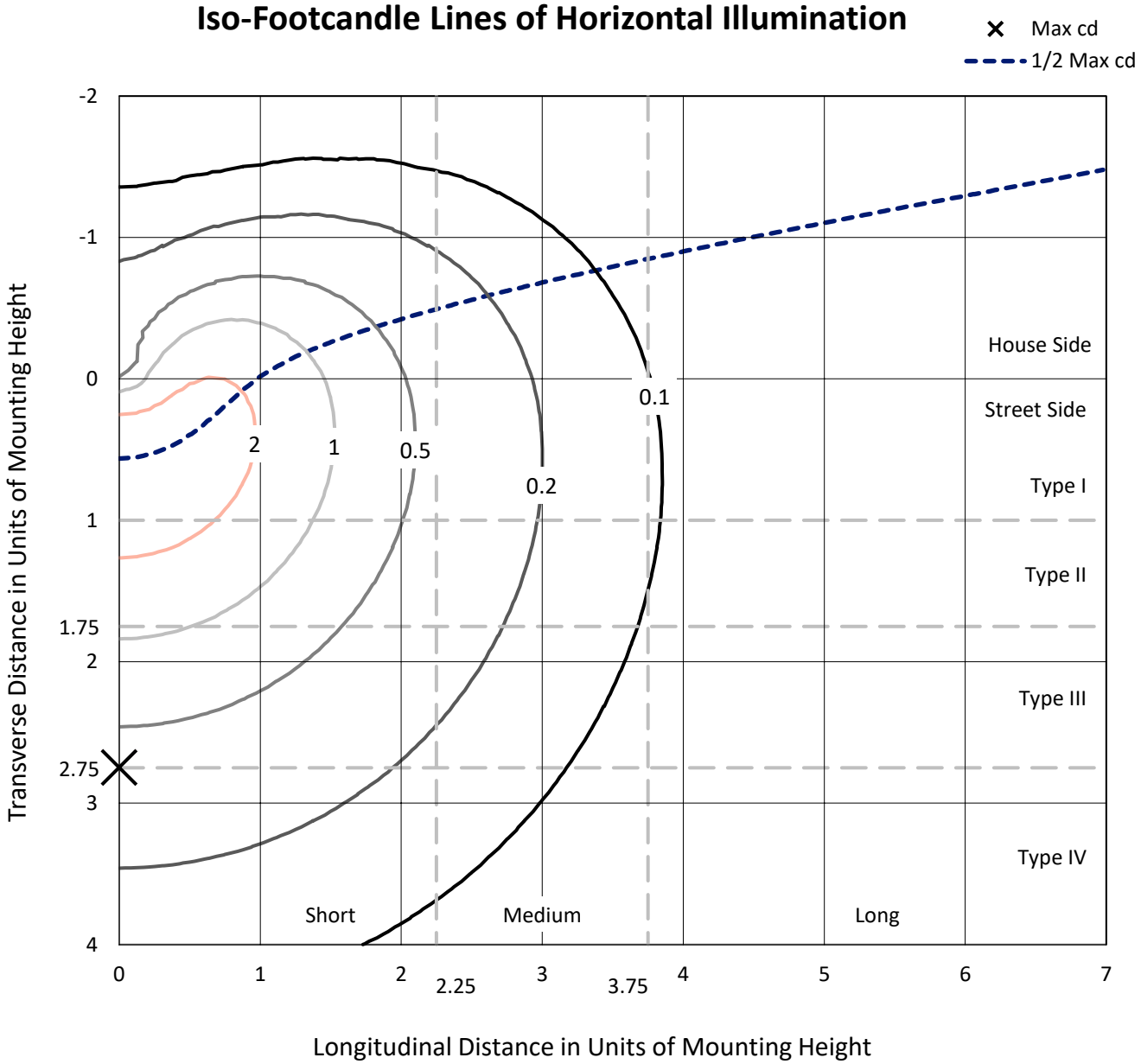


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Iso-Footcandle Lines of Horizontal Illumination



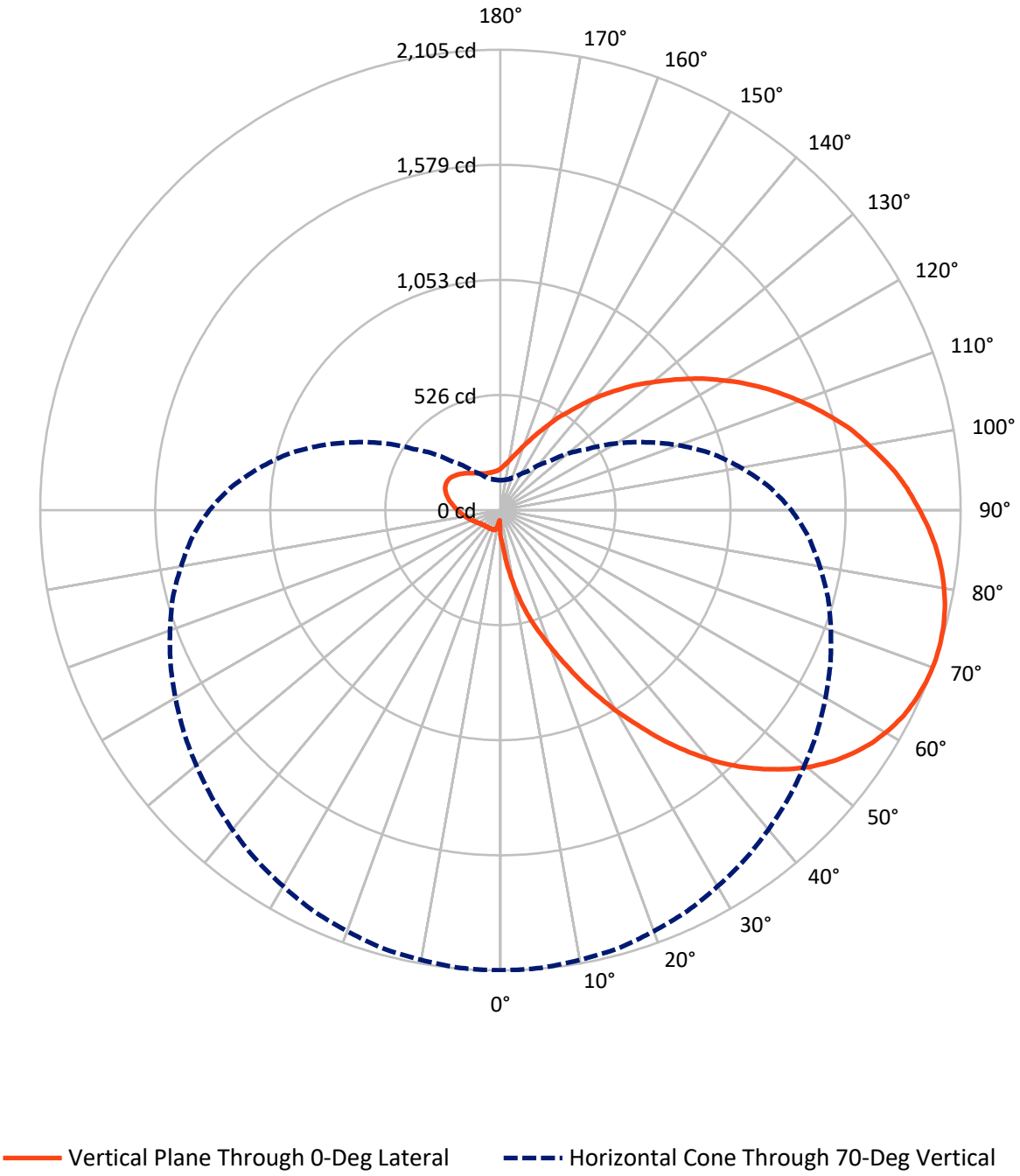
Based on 15 foot mounting height. Maximum calculated value = 3.2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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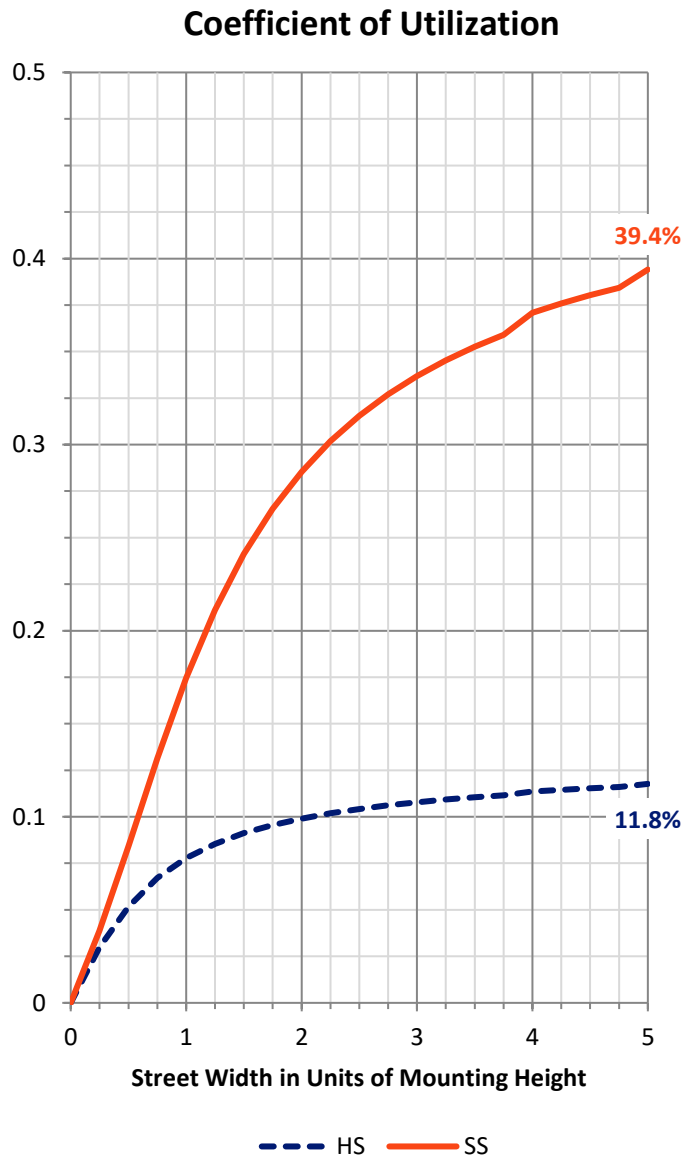
REPORT NUMBER: P1223934
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1350.0	1302.5	2652.5
	% Fixture	12.8	12.4	25.2
Street Side	Lumens	4742.1	3133.7	7875.7
	% Fixture	45.0	29.8	74.8
Total	Lumens	6092.0	4436.2	10528.2
	% Fixture	57.9	42.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.8	0.2
10°-20°	92.0	0.9
20°-30°	242.1	2.3
30°-40°	470.4	4.5
40°-50°	733.0	7.0
50°-60°	967.0	9.2
60°-70°	1135.5	10.8
70°-80°	1221.6	11.6
80°-90°	1214.6	11.5
90°-100°	1129.3	10.7
100°-110°	991.5	9.4
110°-120°	815.5	7.7
120°-130°	613.9	5.8
130°-140°	416.0	4.0
140°-150°	251.9	2.4
150°-160°	135.6	1.3
160°-170°	63.8	0.6
170°-180°	18.5	0.2
0°-90°	6092.0	57.9
0°-180°	10528.2	100.0



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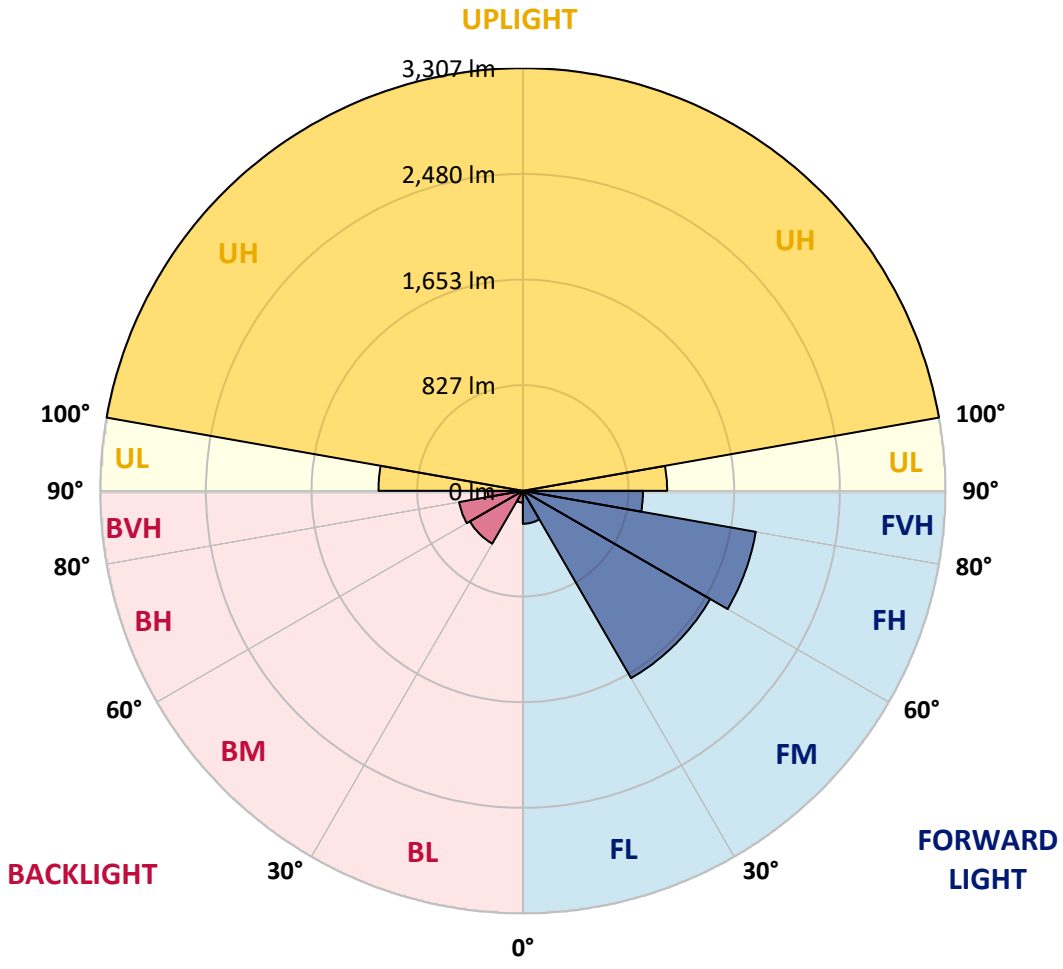
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	257.9	2.4			
FM	(30°-60°)	1692.6	16.1			
FH	(60°-80°)	1851.2	17.6			G2/5000
FVH	(80°-90°)	940.4	8.9			G5
BL	(0°-30°)	92.1	0.9	B0/110		
BM	(30°-60°)	477.7	4.5	B1/1000		
BH	(60°-80°)	505.9	4.8	B2/1000		G2/1000
BVH	(80°-90°)	274.2	2.6			G3/500
UL	(90°-100°)	1129.3	10.7		U5	
UH	(100°-180°)	3306.9	31.4		U5	

BUG Rating: B2-U5-G5
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	*120.4*	120.4	120.4	120.4	120.4	120.4	120.4	120.4	120.4	120.4	120.4
2.5°	*146.7*	147.5	146.7	146.7	148.2	146.7	145.1	139.7	133.6	125.8	122.0
5°	*205.3*	205.3	209.2	209.2	205.3	196.9	186.8	172.9	160.6	147.5	138.2
7.5°	*280.2*	281.8	278.7	271.0	266.3	249.4	239.3	221.6	206.1	188.4	179.9
10°	*358.2*	359.0	355.1	348.2	333.5	316.5	301.8	281.0	260.9	237.8	225.4
12.5°	*441.6*	440.0	433.1	417.6	409.2	389.9	370.6	348.9	321.9	293.4	278.7
15°	*521.1*	518.0	514.9	498.7	487.1	467.8	445.4	416.1	384.5	352.8	331.2
17.5°	*597.5*	590.6	585.9	578.2	560.5	543.5	514.9	480.2	446.2	404.5	382.1
20°	*679.4*	680.9	673.2	662.4	643.1	618.4	590.6	553.5	511.1	461.7	434.6
22.5°	*771.2*	771.2	766.6	752.7	732.6	701.0	668.5	629.9	577.4	525.7	492.5
25°	*873.1*	867.7	861.5	843.8	826.8	792.8	754.2	712.5	657.7	595.2	558.1
27.5°	*974.3*	971.9	965.8	946.5	924.8	889.3	850.7	796.7	737.3	663.9	625.3
30°	*1081.6*	1079.2	1073.1	1054.5	1022.9	988.1	941.8	883.9	819.1	736.5	694.0
32.5°	*1185.0*	1185.0	1177.3	1158.0	1124.8	1083.1	1033.7	968.8	897.1	812.1	761.2
35°	*1300.0*	1299.3	1285.4	1262.2	1222.1	1185.8	1130.2	1062.3	981.2	883.9	829.9
37.5°	*1405.8*	1401.9	1388.0	1363.3	1326.3	1279.2	1216.7	1141.8	1058.4	955.0	894.0
40°	*1510.0*	1505.4	1493.0	1465.2	1420.5	1367.2	1303.1	1222.8	1128.7	1021.3	958.0
42.5°	*1604.2*	1602.7	1584.9	1551.7	1506.9	1446.7	1378.0	1293.1	1198.9	1083.1	1015.9
45°	*1689.9*	1689.9	1672.1	1635.9	1584.9	1523.9	1448.3	1361.0	1260.7	1139.5	1068.4
47.5°	*1770.9*	1770.9	1754.0	1712.3	1655.9	1588.8	1511.6	1421.2	1314.7	1190.4	1114.8
50°	*1844.3*	1841.2	1821.9	1775.6	1718.5	1648.2	1567.1	1472.2	1364.9	1236.0	1159.5
52.5°	*1907.6*	1903.7	1881.3	1838.1	1774.0	1699.2	1614.2	1517.7	1405.8	1275.3	1197.4
55°	*1960.9*	1958.5	1936.9	1887.5	1820.4	1745.5	1655.1	1554.8	1444.4	1308.5	1229.8
57.5°	*2007.2*	2003.3	1977.8	1927.7	1860.5	1778.7	1687.6	1588.0	1473.7	1338.6	1256.8
60°	*2041.9*	2038.1	2011.8	1961.6	1893.7	1807.2	1716.1	1615.0	1499.2	1362.6	1279.2
62.5°	*2070.5*	2065.8	2040.4	1987.1	1916.1	1831.2	1737.8	1635.1	1519.3	1381.9	1298.5
65°	*2088.2*	2084.4	2059.7	2006.4	1933.1	1847.4	1754.0	1650.5	1535.5	1396.5	1313.2
67.5°	*2099.8*	2096.7	2071.3	2019.5	1946.2	1859.0	1764.0	1660.6	1546.3	1407.3	1324.0
70°	*2105.2*	*2102.1*	*2075.9*	*2023.4*	*1950.8*	*1863.6*	*1768.6*	*1665.2*	*1551.7*	*1415.1*	*1330.9*
71°	*2105.2*	2102.1	2076.7	2024.2	1951.6	1864.4	1769.4	1666.0	1552.5	1415.8	1331.7
72.5°	*2102.9*	2100.6	2075.1	2021.8	1949.3	1862.8	1767.1	1665.2	1552.5	1416.6	1333.2
75°	*2094.4*	2089.8	2065.1	2013.4	1941.6	1855.1	1760.1	1658.2	1547.8	1414.3	1331.7
77.5°	*2079.0*	2075.1	2049.6	1999.5	1927.7	1840.4	1746.2	1646.7	1538.6	1406.6	1325.5
80°	*2056.6*	2052.7	2028.0	1976.3	1905.3	1821.1	1726.9	1628.9	1522.4	1394.2	1314.7
82.5°	*2028.0*	2024.9	2001.0	1949.3	1879.0	1795.7	1701.5	1605.7	1504.6	1377.2	1299.3
85°	*1994.1*	1990.2	1963.9	1913.0	1845.8	1762.5	1670.6	1578.0	1479.1	1356.4	1280.7
87.5°	*1953.1*	1950.8	1924.6	1875.9	1808.8	1726.2	1638.2	1547.8	1450.6	1333.2	1259.9
90°	*1908.4*	1907.6	1879.8	1831.2	1764.8	1686.8	1599.6	1511.6	1417.4	1305.4	1234.4
92.5°	*1863.6*	1863.6	1835.8	1785.6	1720.0	1642.8	1560.2	1475.3	1385.7	1277.6	1209.7
95°	*1814.2*	1808.8	1782.5	1737.8	1672.1	1598.0	1518.5	1435.1	1348.7	1246.0	1181.9
97.5°	*1756.3*	1754.7	1729.3	1681.4	1621.2	1550.2	1473.0	1395.8	1312.4	1213.6	1152.6
100°	*1699.9*	1696.8	1672.9	1628.9	1567.1	1499.2	1426.6	1352.5	1273.8	1180.4	1121.7
102.5°	*1644.3*	1636.6	1611.9	1567.1	1513.1	1446.7	1378.8	1310.8	1233.6	1144.9	1090.1
105°	*1577.2*	1576.4	1550.9	1508.5	1453.7	1395.0	1330.9	1264.5	1194.3	1108.6	1057.6
107.5°	*1511.6*	1511.6	1487.6	1445.9	1394.2	1337.9	1280.7	1218.2	1153.4	1070.8	1024.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	*1444.4*	1443.6	1422.0	1385.0	1335.5	1281.5	1229.0	1171.9	1107.0	1034.5	988.9
112.5°	*1378.0*	1376.5	1355.6	1317.8	1272.2	1228.2	1175.7	1123.2	1063.8	996.6	953.4
115°	*1310.8*	1309.3	1286.9	1253.7	1212.0	1166.5	1122.5	1072.3	1020.6	953.4	915.6
117.5°	*1241.4*	1239.8	1221.3	1188.9	1149.5	1113.2	1069.2	1026.0	973.5	912.5	874.7
120°	*1170.3*	1171.1	1152.6	1123.2	1087.0	1053.0	1014.4	975.0	926.4	868.5	832.2
122.5°	*1103.2*	1097.8	1085.4	1059.2	1026.7	995.1	962.7	922.5	877.0	822.2	790.5
125°	*1031.4*	1029.8	1017.5	991.2	963.4	938.7	908.6	872.4	830.7	775.1	746.5
127.5°	*961.9*	964.2	950.3	931.0	904.0	883.2	852.3	820.6	780.5	730.3	703.3
130°	*897.1*	895.5	887.8	867.7	845.3	823.7	800.6	772.0	734.2	684.0	659.3
132.5°	*836.8*	829.9	822.9	806.0	787.4	769.7	749.6	721.0	682.4	638.4	616.8
135°	*771.2*	771.2	760.4	745.7	732.6	715.6	695.6	669.3	636.1	597.5	572.8
137.5°	*711.0*	707.9	701.0	689.4	677.0	664.7	647.7	621.5	592.1	555.1	533.4
140°	*653.9*	651.6	645.4	635.3	625.3	613.7	598.3	575.9	548.9	513.4	494.8
142.5°	*594.4*	596.0	590.6	583.6	572.0	564.3	550.4	530.4	506.4	475.5	457.8
145°	*541.2*	541.9	539.6	532.7	524.2	516.5	501.8	487.1	464.0	436.2	423.1
147.5°	*497.2*	494.1	489.4	485.6	477.9	471.7	460.1	446.2	424.6	400.7	388.3
150°	*447.8*	450.1	445.4	440.8	436.2	427.7	419.2	407.6	387.5	368.2	355.1
152.5°	*406.1*	407.6	403.8	401.4	396.8	389.9	381.4	370.6	355.1	338.1	325.8
155°	*369.0*	369.0	369.0	365.9	360.5	355.9	347.4	337.4	324.2	308.8	300.3
157.5°	*335.0*	335.8	335.8	332.0	328.1	324.2	317.3	308.8	297.2	284.1	277.9
160°	*308.0*	306.5	305.7	302.6	299.5	296.4	290.3	283.3	273.3	262.5	257.1
162.5°	*281.0*	281.0	279.5	277.1	274.8	270.2	266.3	259.4	252.4	244.7	238.5
165°	*260.2*	259.4	259.4	256.3	254.0	250.1	246.3	241.6	235.5	228.5	223.9
167.5°	*242.4*	240.9	240.1	238.5	235.5	233.1	229.3	225.4	220.8	216.2	212.3
170°	*225.4*	226.2	224.6	223.1	221.6	219.2	216.2	213.1	209.2	204.6	203.0
172.5°	*213.8*	213.1	212.3	210.8	209.2	206.9	205.3	202.3	199.9	196.9	195.3
175°	*203.0*	203.0	202.3	200.7	199.2	197.6	196.1	194.5	193.0	190.7	189.9
177.5°	*194.5*	194.5	194.5	193.0	192.2	191.5	189.9	189.1	188.4	186.8	186.8
180°	*186.0*	186.0	186.0	186.0	186.0	186.0	186.0	186.0	186.0	186.0	186.0

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	120.4	120.4	120.4	120.4	120.4	120.4	120.4	120.4	120.4	120.4
2.5°	118.1	108.1	99.6	91.9	85.7	80.3	77.2	71.8	67.9	65.6
5°	132.8	118.1	105.8	93.4	84.1	74.1	64.1	54.0	47.9	47.1
7.5°	168.3	152.1	133.6	117.3	98.8	83.4	70.3	60.2	56.4	55.6
10°	213.1	189.1	164.4	140.5	116.6	97.3	83.4	74.1	69.5	68.7
12.5°	262.5	230.1	198.4	167.5	139.0	117.3	100.4	89.6	84.1	84.1
15°	313.4	273.3	233.1	195.3	162.1	135.1	114.3	100.4	94.2	93.4
17.5°	358.2	312.7	264.8	220.0	179.9	145.9	121.2	104.2	96.5	95.7
20°	409.2	351.3	296.4	240.9	193.8	154.4	125.1	105.8	95.7	95.0
22.5°	463.2	397.6	329.6	264.8	208.4	162.9	128.9	107.3	96.5	95.0
25°	524.2	445.4	363.6	288.7	223.1	170.6	132.8	108.9	97.3	95.7
27.5°	582.1	494.8	399.9	311.1	236.2	177.6	135.9	110.4	98.0	96.5
30°	643.8	543.5	435.4	335.0	250.1	184.5	139.0	111.2	98.0	96.5
32.5°	706.4	590.6	472.5	356.7	261.7	189.1	140.5	111.9	98.8	97.3
35°	772.8	641.5	507.2	379.0	272.5	193.8	142.0	112.7	98.8	97.3
37.5°	833.8	690.2	541.2	398.3	281.8	197.6	143.6	112.7	99.6	98.0
40°	888.6	734.2	571.3	415.3	289.5	199.9	144.4	113.5	100.4	98.8
42.5°	942.6	777.4	598.3	429.2	295.7	201.5	145.1	114.3	101.1	99.6
45°	990.5	813.7	623.0	442.4	300.3	203.0	145.9	115.0	101.9	100.4
47.5°	1032.9	847.6	646.2	453.2	303.4	203.8	146.7	115.8	103.4	101.9
50°	1073.8	880.1	663.9	461.7	306.5	204.6	146.7	117.3	105.8	104.2
52.5°	1108.6	906.3	680.1	468.6	308.0	205.3	148.2	118.9	107.3	106.5
55°	1138.7	929.5	694.8	474.0	309.6	205.3	149.8	121.2	110.4	108.9
57.5°	1163.4	948.0	704.8	477.1	309.6	206.1	150.5	124.3	113.5	111.9
60°	1185.0	964.2	714.1	481.0	310.3	206.9	152.9	127.4	117.3	116.6
62.5°	1202.8	976.6	721.0	483.3	311.1	209.2	155.9	131.2	121.2	120.4
65°	1216.7	987.4	726.4	484.8	311.9	210.8	159.0	135.1	126.6	125.8
67.5°	1225.9	995.1	730.3	485.6	312.7	213.1	162.9	140.5	132.0	130.5
70°	*1232.9*	*999.7*	*732.6*	*486.4*	*314.2*	*215.4*	*167.5*	*145.1*	*137.4*	*136.6*
71°	1234.4	1000.5	733.4	486.4	315.0	216.9	169.1	147.5	139.7	139.0
72.5°	1235.2	1001.3	733.4	486.4	315.7	219.2	172.2	151.3	143.6	142.8
75°	1234.4	1000.5	732.6	486.4	317.3	223.1	177.6	156.7	149.8	149.0
77.5°	1229.0	997.4	730.3	486.4	319.6	227.7	183.7	164.4	156.7	155.9
80°	1219.7	991.2	726.4	485.6	321.9	233.1	189.9	171.4	163.7	162.9
82.5°	1207.4	982.0	721.0	485.6	325.0	237.8	196.1	177.6	171.4	170.6
85°	1191.2	971.2	715.6	484.8	328.9	243.9	203.8	186.0	179.9	178.3
87.5°	1171.9	958.0	709.5	484.8	332.7	250.9	211.5	193.8	187.6	186.0
90°	1150.3	943.4	703.3	484.8	337.4	257.8	220.0	202.3	195.3	194.5
92.5°	1128.7	929.5	697.1	485.6	343.5	265.6	228.5	211.5	204.6	204.6
95°	1103.9	912.5	690.2	487.1	349.7	274.1	238.5	220.8	213.8	213.1
97.5°	1079.2	897.1	684.8	489.4	356.7	284.1	247.8	230.8	223.9	222.3
100°	1051.5	880.8	679.4	492.5	365.2	293.4	257.8	240.9	233.9	233.1
102.5°	1024.4	863.1	673.2	496.4	373.6	304.2	268.7	250.9	243.9	243.2
105°	995.1	844.6	666.2	499.5	382.1	314.2	278.7	260.2	252.4	252.4
107.5°	966.5	825.3	659.3	503.3	390.6	324.2	288.0	269.4	260.9	260.2

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

Scaled Data Report

REPORT NUMBER: P1223934
CATALOG NUMBER: FFX-CLB-80-727-U-VM9-T4-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	934.1	804.4	650.8	505.7	398.3	332.7	296.4	276.4	267.9	267.1
112.5°	904.8	782.0	641.5	506.4	405.3	340.4	303.4	282.5	274.1	272.5
115°	867.7	758.9	629.2	504.9	409.2	346.6	308.0	286.4	277.1	275.6
117.5°	832.2	732.6	616.0	501.0	411.5	349.7	311.1	288.7	278.7	277.1
120°	795.9	703.3	597.5	494.1	409.2	349.7	311.1	287.2	277.1	276.4
122.5°	755.0	672.4	578.2	484.0	405.3	346.6	308.0	284.9	274.1	273.3
125°	712.5	639.2	555.1	470.1	397.6	342.0	303.4	280.2	269.4	268.7
127.5°	671.6	605.2	531.1	453.9	386.8	334.3	297.2	273.3	262.5	260.9
130°	631.5	569.7	504.1	434.6	373.6	324.2	288.7	266.3	255.5	254.0
132.5°	589.8	535.8	477.1	416.1	359.7	313.4	279.5	257.8	247.8	246.3
135°	550.4	500.3	447.8	393.7	343.5	301.1	269.4	249.4	239.3	238.5
137.5°	512.6	467.1	420.7	372.1	327.3	288.7	259.4	240.9	231.6	230.1
140°	474.0	434.6	392.9	351.3	309.6	275.6	249.4	231.6	223.1	221.6
142.5°	440.8	403.8	366.7	328.1	292.6	261.7	238.5	222.3	215.4	214.6
145°	406.1	373.6	340.4	307.3	276.4	249.4	228.5	214.6	207.7	206.9
147.5°	375.2	344.3	315.7	287.2	260.2	236.2	218.5	206.9	201.5	200.7
150°	343.5	318.8	294.1	267.9	244.7	224.6	210.0	199.9	194.5	193.8
152.5°	315.7	294.9	272.5	252.4	230.8	214.6	202.3	193.0	189.1	188.4
155°	291.8	274.1	255.5	237.0	220.0	206.9	196.1	188.4	185.3	185.3
157.5°	271.0	255.5	240.1	224.6	210.8	199.2	190.7	185.3	182.2	181.4
160°	250.9	238.5	224.6	213.1	202.3	193.8	186.8	182.2	179.9	179.1
162.5°	234.7	223.9	214.6	204.6	196.1	189.1	183.7	179.9	178.3	178.3
165°	220.8	213.1	204.6	197.6	190.7	185.3	181.4	179.1	177.6	177.6
167.5°	210.0	203.0	197.6	191.5	186.8	183.0	179.9	178.3	177.6	176.8
170°	200.7	196.1	191.5	187.6	183.7	181.4	179.1	178.3	177.6	177.6
172.5°	193.8	190.7	187.6	184.5	182.2	179.9	179.1	178.3	178.3	178.3
175°	188.4	186.8	184.5	183.0	181.4	180.6	179.9	179.9	179.9	179.9
177.5°	186.0	184.5	183.7	183.0	182.2	182.2	182.2	183.0	183.0	183.0
180°	186.0	186.0	186.0	186.0	186.0	186.0	186.0	186.0	186.0	186.0

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

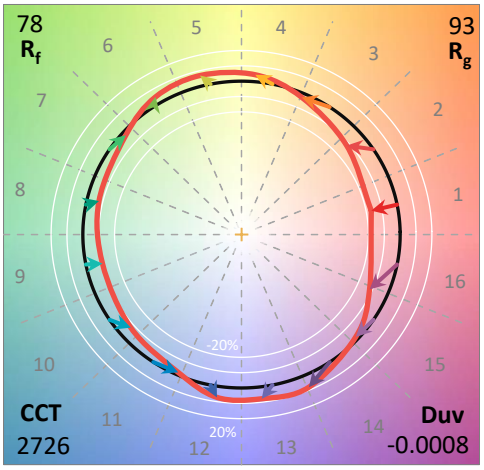
Test Information

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

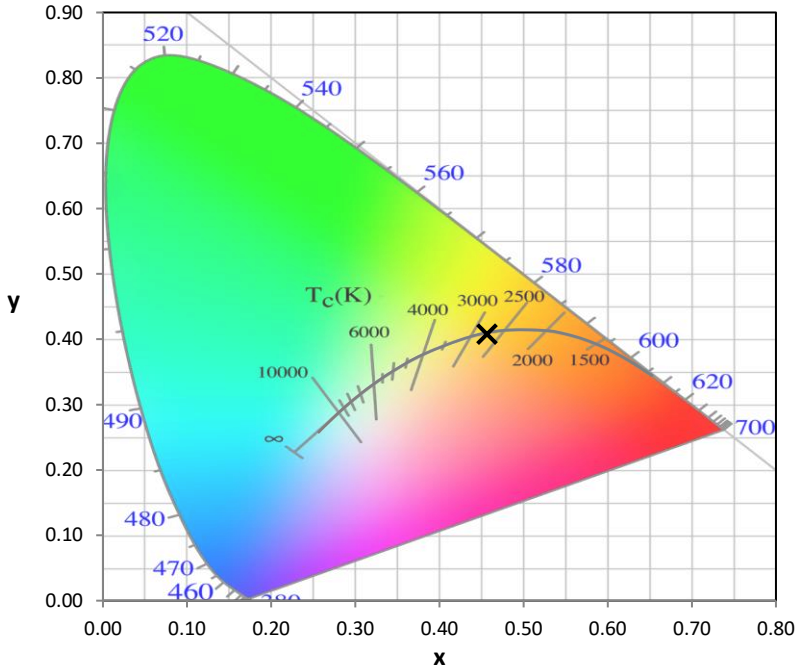
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

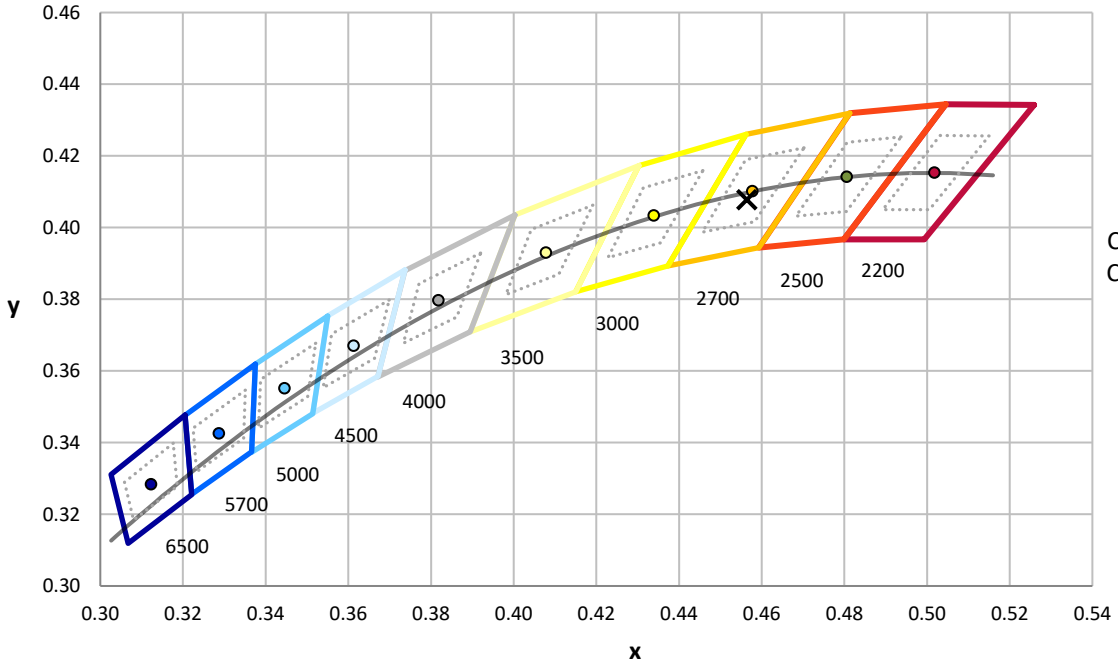
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

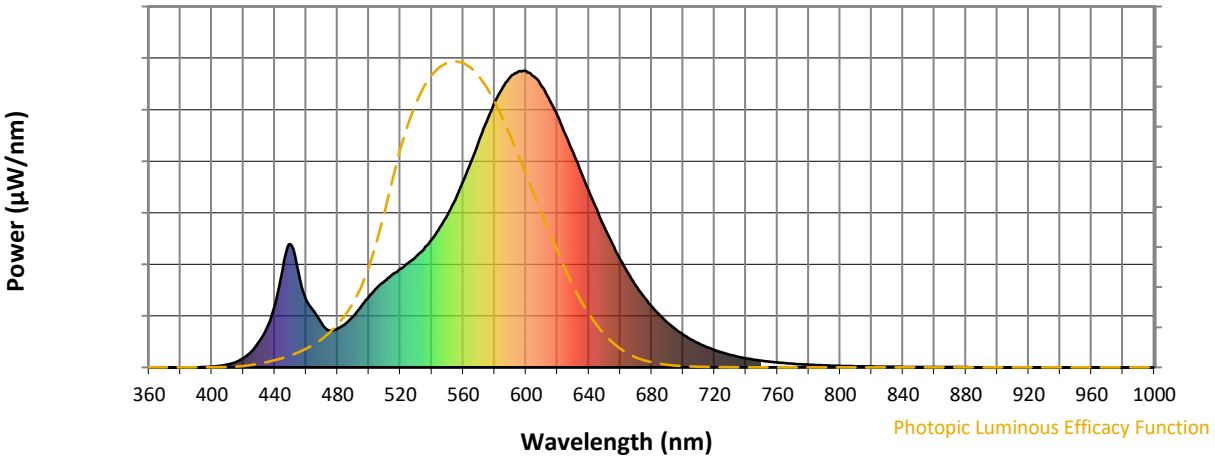


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

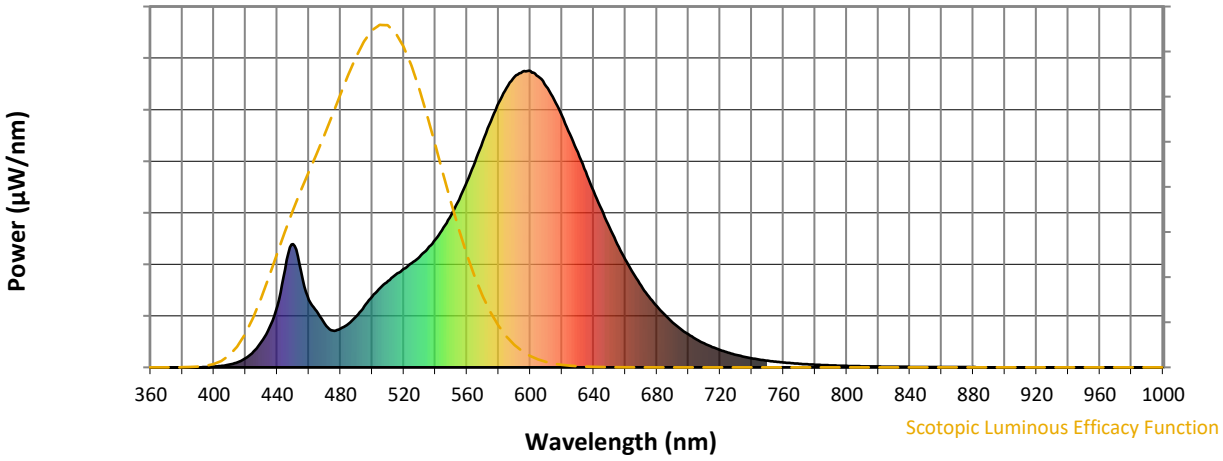


Photopic Lumens: NR

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

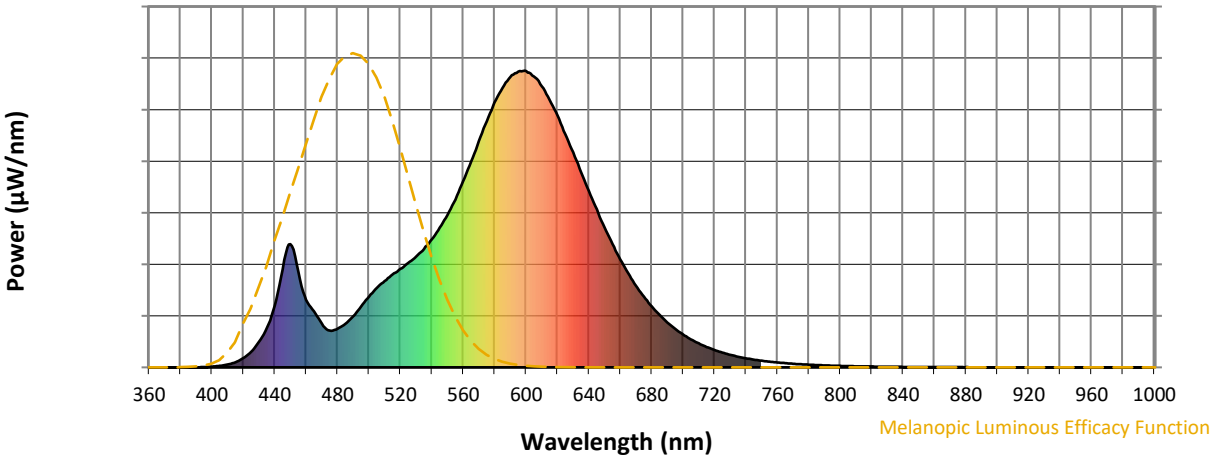


Scotopic Lumens: NR **S/P: 1.16**

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			

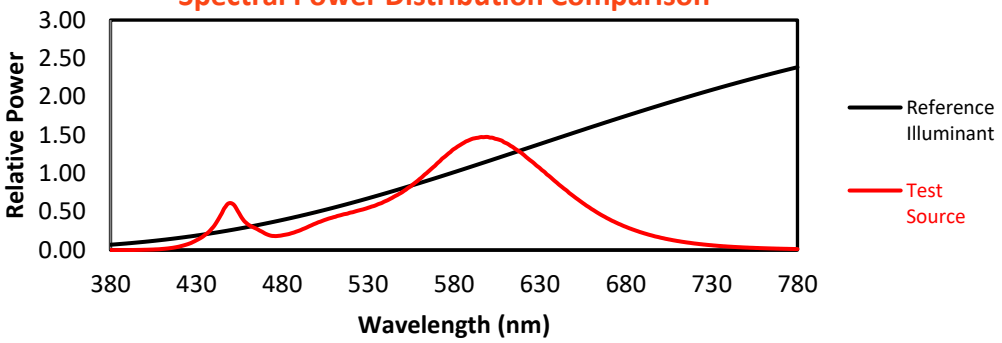
REPORT NUMBER: SP1-2501-332-3

TM-30-18

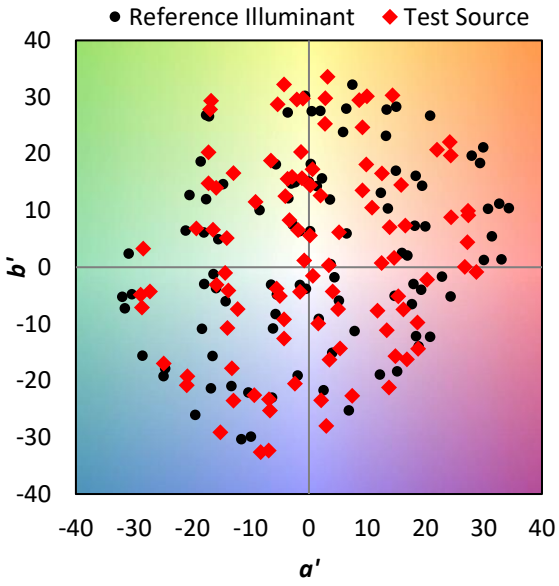
Summary

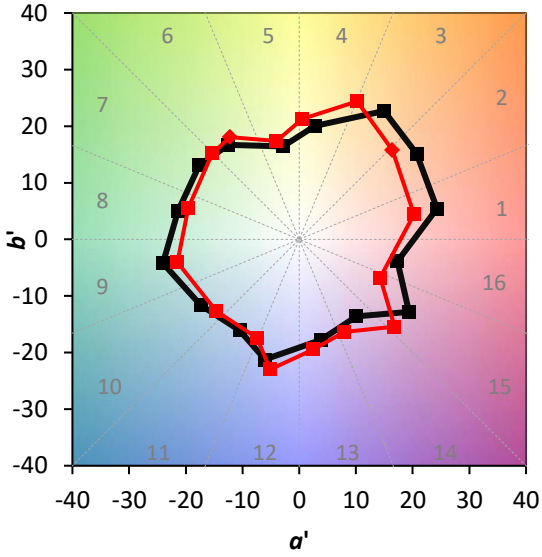
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

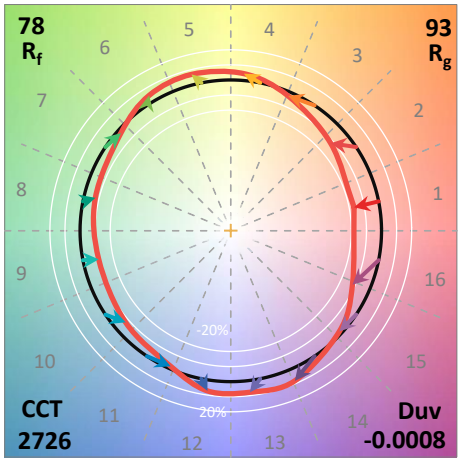
Spectral Power Distribution Comparison

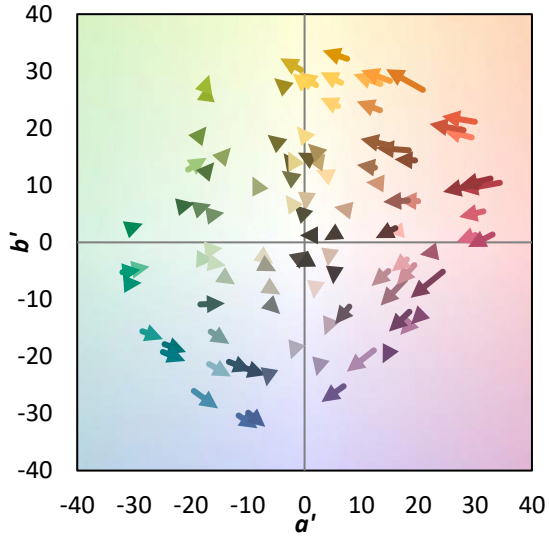


Color Vector Graphics







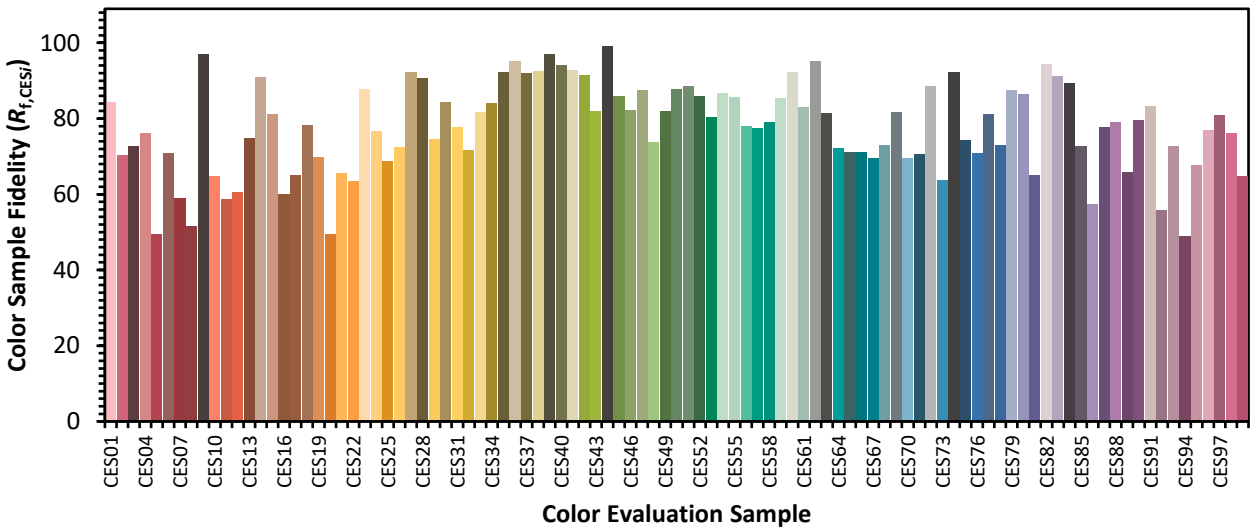


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

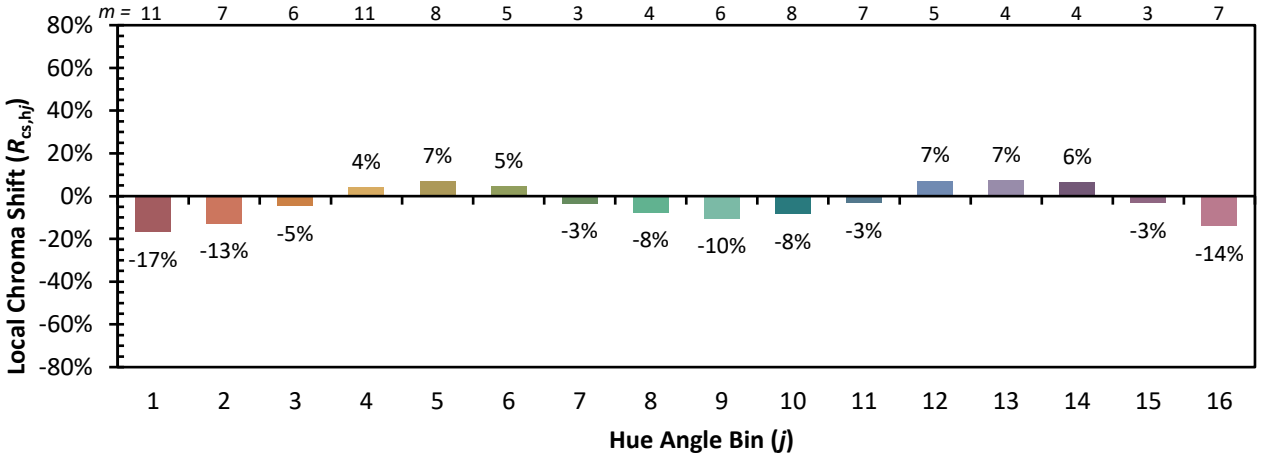
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57 = 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
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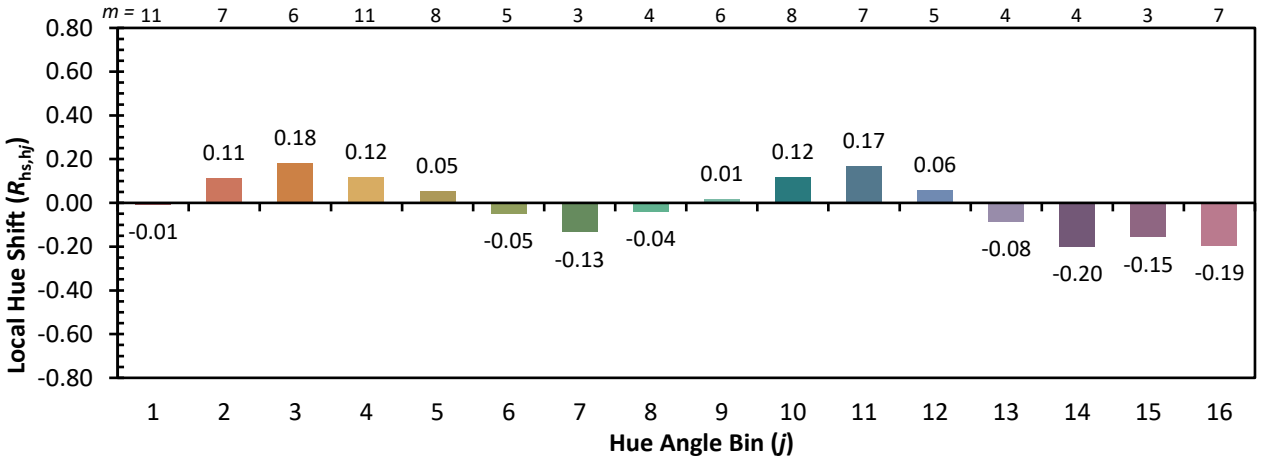


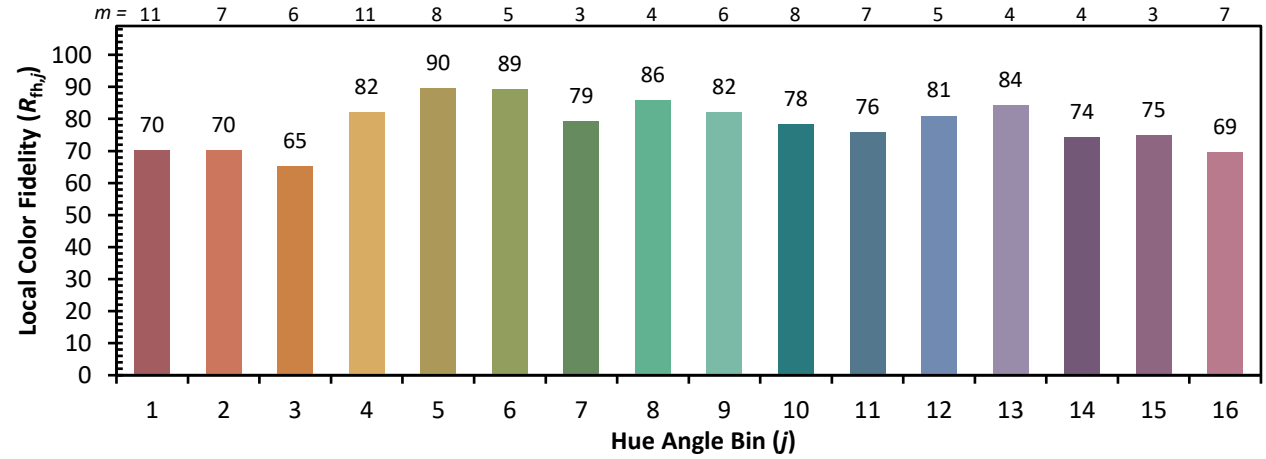
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Color Rendition by Hue-Angle Bin



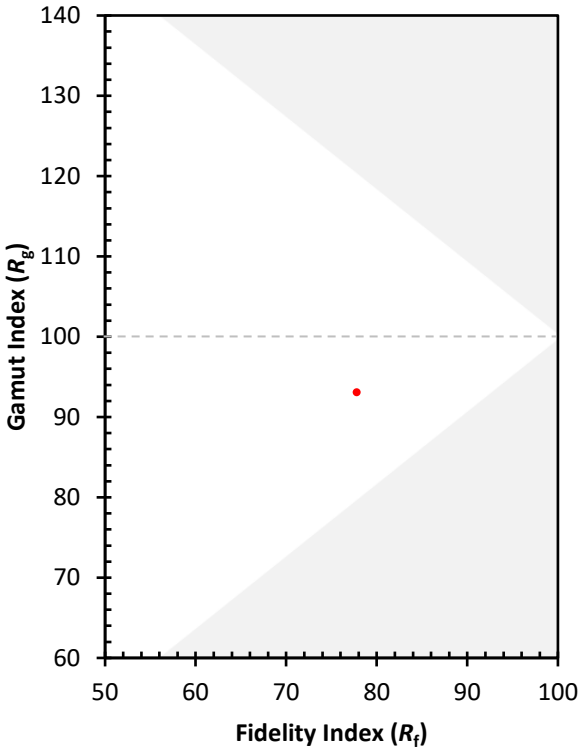


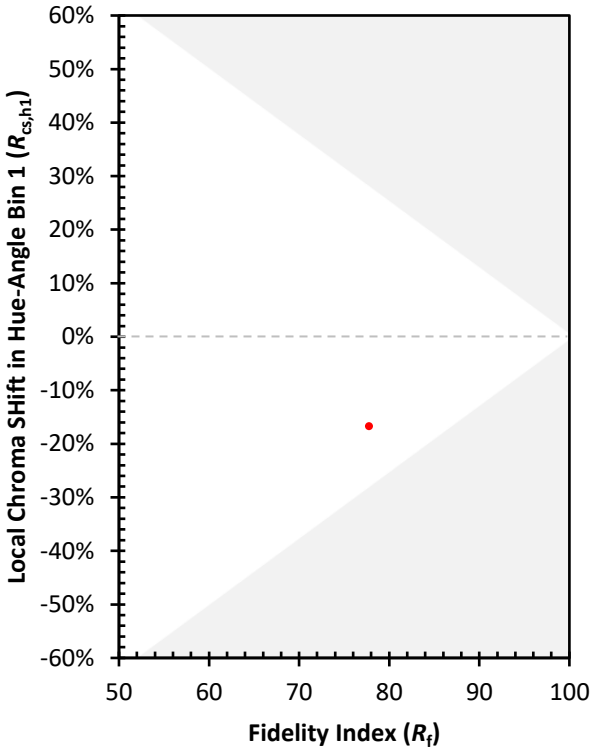


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Measure Comparisons





(END OF REPORT)