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: P1224035

Luminaire Tested: **FFX-CLB-60-730-U-VM8-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:	P1224035
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-60-730-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) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8358 lumens
Efficiency:	N/A
Efficacy:	137.9 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):	60.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	8.53%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

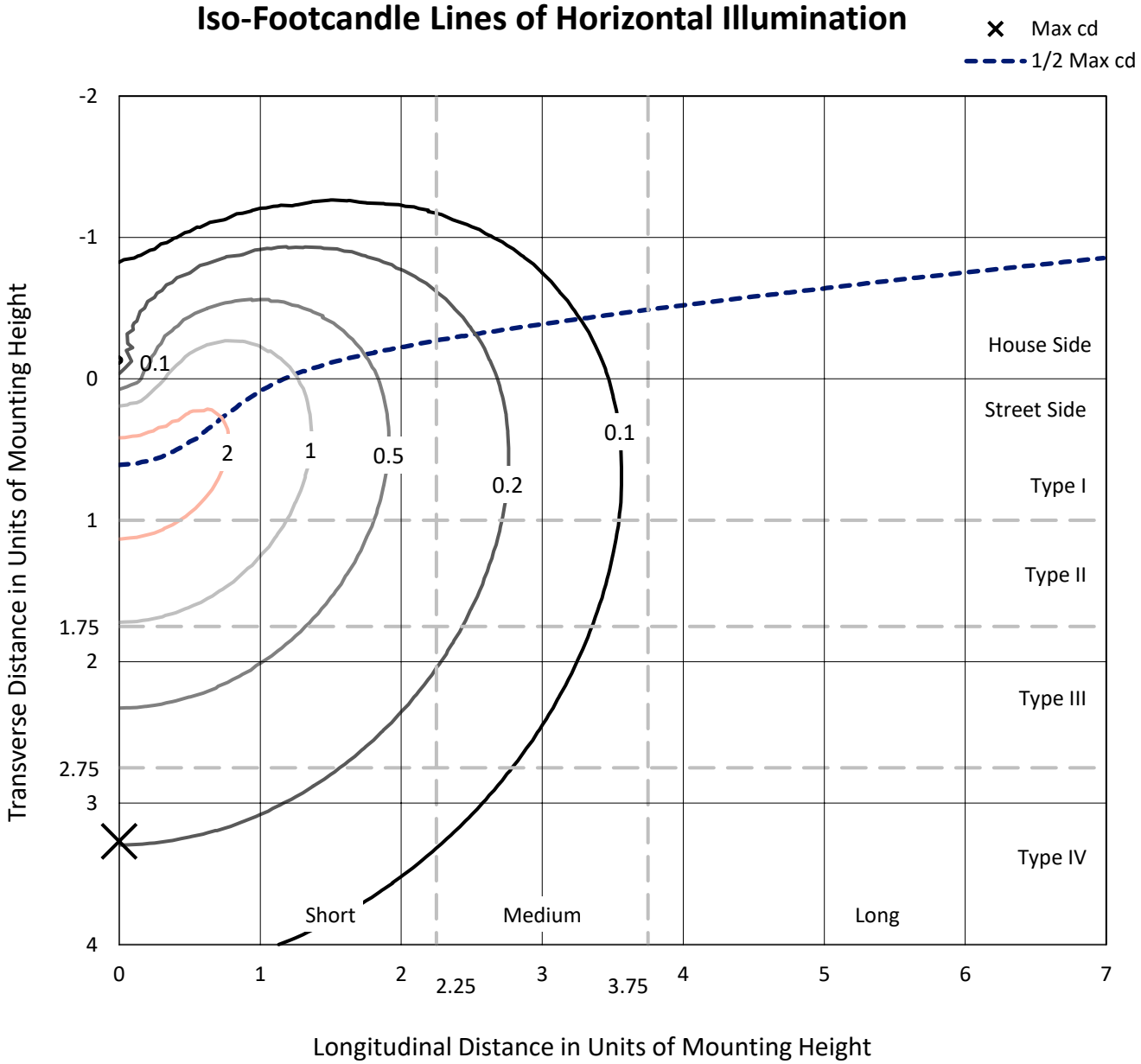


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Iso-Footcandle Lines of Horizontal Illumination



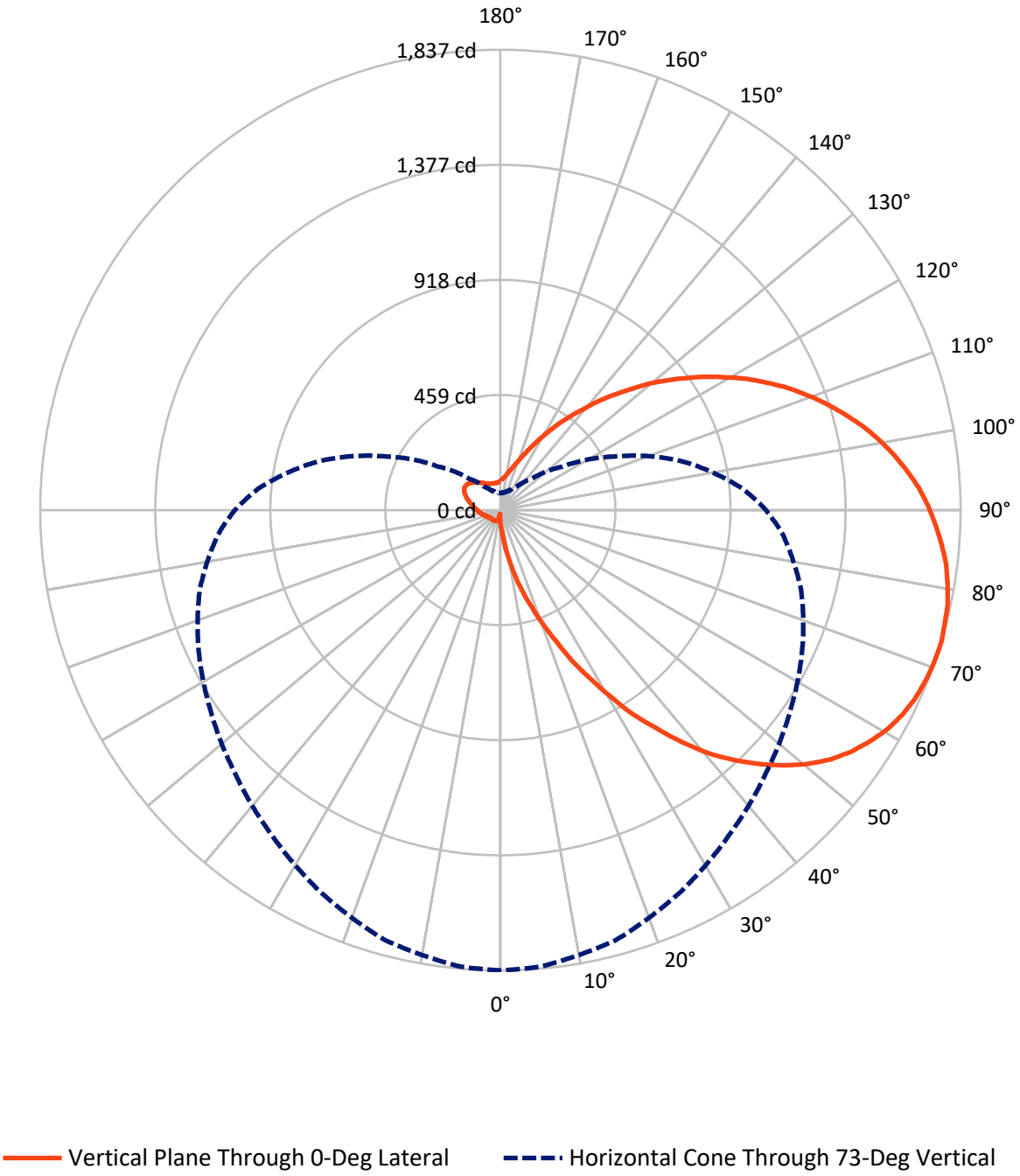
Based on 15 foot mounting height. Maximum calculated value = 2.6 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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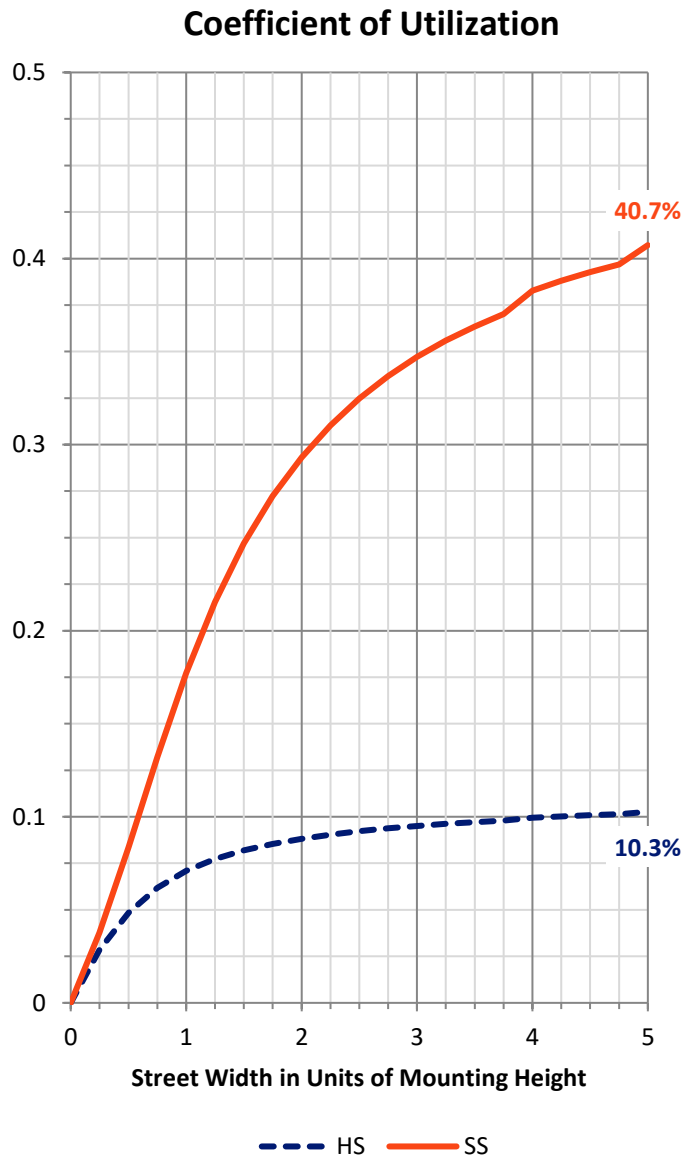
REPORT NUMBER: P1224035
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	925.8	909.7	1835.4
	% Fixture	11.1	10.9	22.0
Street Side	Lumens	3903.2	2619.4	6522.6
	% Fixture	46.7	31.3	78.0
Total	Lumens	4829.0	3529.0	8358.0
	% Fixture	57.8	42.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.5	0.1
10°-20°	59.3	0.7
20°-30°	178.9	2.1
30°-40°	372.7	4.5
40°-50°	590.7	7.1
50°-60°	775.9	9.3
60°-70°	904.1	10.8
70°-80°	969.0	11.6
80°-90°	969.8	11.6
90°-100°	909.4	10.9
100°-110°	800.0	9.6
110°-120°	660.6	7.9
120°-130°	497.3	5.9
130°-140°	328.1	3.9
140°-150°	188.2	2.3
150°-160°	93.3	1.1
160°-170°	40.7	0.5
170°-180°	11.4	0.1
0°-90°	4829.0	57.8
0°-180°	8358.0	100.0



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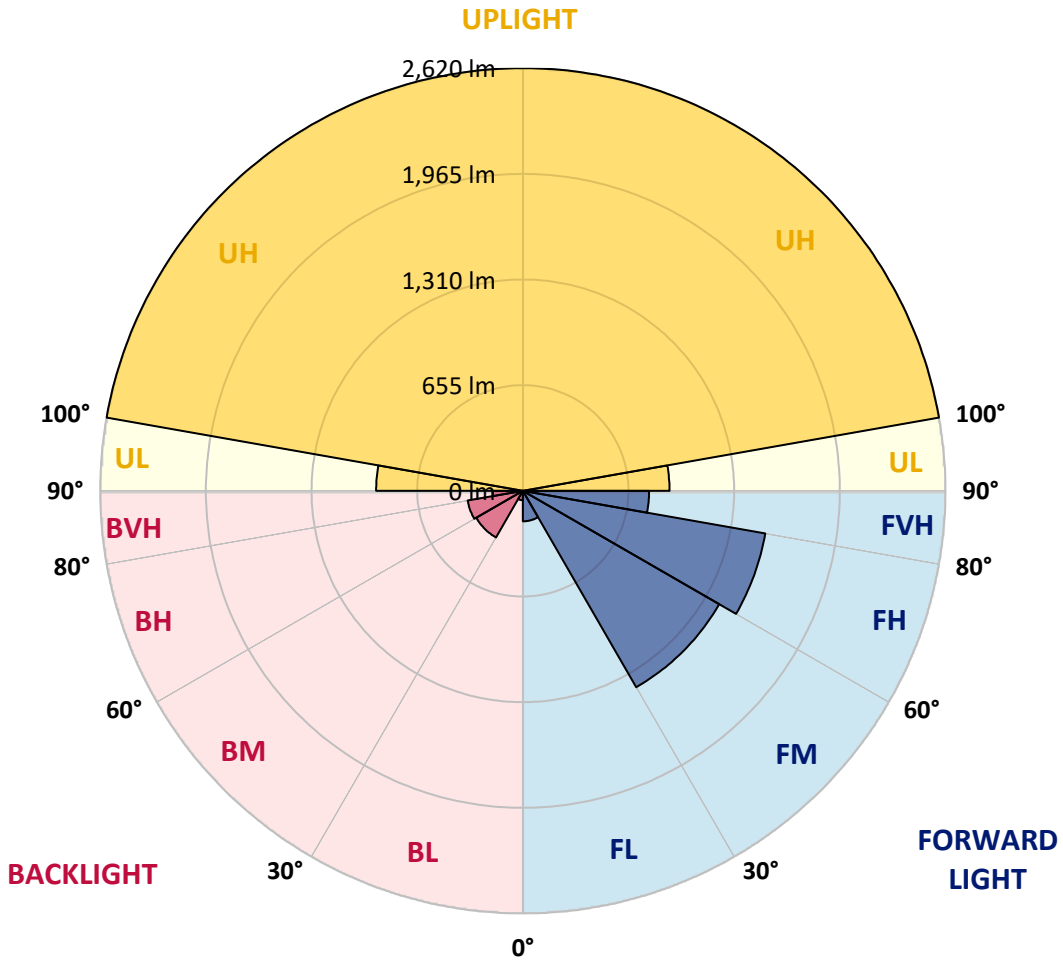
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	189.0	2.3			
FM	(30°-60°)	1405.8	16.8			
FH	(60°-80°)	1525.9	18.3			G1/1800
FVH	(80°-90°)	782.6	9.4			G5
BL	(0°-30°)	57.8	0.7	B0/110		
BM	(30°-60°)	333.6	4.0	B1/1000		
BH	(60°-80°)	347.2	4.2	B1/500		G1/500
BVH	(80°-90°)	187.2	2.2			G2/225
UL	(90°-100°)	909.4	10.9		U4/1000	
UH	(100°-180°)	2619.7	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°	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
2.5°	75.4	76.0	75.4	76.5	73.7	73.7	71.4	69.1	66.3	62.8	60.6
5°	112.0	111.4	111.4	112.0	110.2	105.1	99.4	91.4	84.5	77.1	73.1
7.5°	161.1	158.8	156.5	155.9	150.2	142.8	134.8	125.7	116.0	105.7	98.3
10°	212.5	214.2	211.9	205.6	198.8	190.2	179.9	167.4	154.8	140.5	132.0
12.5°	278.8	274.2	268.5	262.2	255.3	247.3	230.8	216.5	198.8	181.1	169.7
15°	343.3	339.3	339.3	331.3	320.5	308.5	293.0	275.3	250.8	222.8	212.5
17.5°	409.6	410.2	404.4	395.3	385.6	370.2	353.6	328.5	303.3	274.2	256.5
20°	487.3	485.0	481.0	474.1	457.0	443.3	422.7	394.7	360.5	325.0	303.3
22.5°	567.8	569.0	569.0	558.1	542.1	523.3	499.8	467.8	427.3	381.6	355.3
25°	668.4	667.8	656.9	644.4	631.8	612.4	582.7	543.8	499.3	444.4	413.6
27.5°	759.7	759.2	756.9	745.5	726.6	701.5	666.6	624.4	573.5	507.8	471.3
30°	861.4	863.7	857.4	847.7	823.2	797.5	756.9	707.2	647.2	576.4	535.3
32.5°	971.7	967.1	962.0	949.4	922.6	886.6	840.9	789.5	723.8	642.6	597.5
35°	1067.1	1075.6	1067.6	1048.2	1015.1	976.8	926.6	868.9	797.5	710.6	659.2
37.5°	1174.5	1172.8	1160.8	1141.9	1109.9	1061.4	1008.2	941.4	861.4	771.2	714.1
40°	1274.4	1267.6	1260.7	1232.7	1192.2	1143.6	1077.9	1010.0	927.7	826.0	768.3
42.5°	1363.0	1362.4	1344.1	1316.1	1265.3	1211.6	1143.6	1067.6	982.0	876.9	811.7
45°	1444.7	1443.0	1425.2	1383.5	1335.6	1271.0	1200.2	1121.3	1031.1	920.3	858.0
47.5°	1521.8	1517.2	1492.7	1450.4	1389.8	1321.9	1248.7	1165.9	1072.8	959.1	894.0
50°	1592.0	1588.0	1559.5	1505.8	1441.2	1368.7	1288.7	1203.0	1112.2	998.0	927.7
52.5°	1652.0	1645.2	1612.0	1554.3	1480.7	1404.1	1320.7	1235.0	1143.1	1025.4	957.4
55°	1700.0	1692.6	1657.2	1592.6	1515.5	1432.7	1348.1	1263.0	1167.0	1049.9	980.2
57.5°	1740.0	1734.3	1695.4	1624.6	1542.3	1457.2	1371.5	1284.7	1189.3	1072.8	1000.2
60°	1774.8	1768.0	1724.0	1650.9	1564.1	1476.1	1388.7	1301.9	1208.2	1090.5	1018.5
62.5°	1799.4	1794.3	1748.0	1669.7	1579.5	1490.4	1400.1	1316.1	1222.5	1106.5	1032.2
65°	1817.1	1810.8	1764.0	1681.2	1589.2	1497.2	1408.7	1322.4	1231.6	1116.2	1042.5
67.5°	1827.4	1822.8	1773.7	1689.2	1593.2	1500.6	1412.7	1328.7	1239.0	1124.2	1050.5
70°	1834.3	1827.4	1777.7	1690.9	1592.0	1500.1	1412.7	1329.3	1243.0	1129.9	1055.1
72.5°	1836.0	1828.5	1777.1	1688.0	1588.6	1494.4	1409.8	1329.8	1244.2	1132.8	1059.7
73°	1836.5	1828.5	1776.6	1686.9	1586.9	1493.8	1409.3	1328.7	1243.0	1132.2	1059.7
75°	1830.3	1825.1	1772.0	1680.0	1581.2	1488.1	1405.3	1325.8	1243.0	1132.8	1059.1
77.5°	1824.0	1816.0	1760.6	1670.3	1568.1	1477.8	1396.7	1320.1	1239.0	1131.6	1058.5
80°	1809.1	1801.1	1745.7	1652.0	1551.5	1462.9	1384.7	1311.0	1231.6	1125.3	1053.9
82.5°	1792.0	1782.8	1725.1	1630.9	1531.5	1444.1	1369.3	1299.0	1221.9	1117.9	1047.1
85°	1766.8	1760.0	1701.2	1605.2	1508.6	1424.7	1351.6	1284.7	1209.3	1106.5	1036.8
87.5°	1737.7	1732.0	1670.9	1576.1	1479.5	1399.5	1331.0	1265.9	1195.0	1093.9	1025.4
90°	1707.4	1700.6	1639.5	1542.9	1451.0	1372.1	1307.0	1245.9	1177.3	1078.5	1010.5
92.5°	1672.6	1664.6	1602.9	1509.2	1419.5	1344.1	1283.6	1223.6	1157.3	1060.8	995.1
95°	1630.3	1622.9	1561.8	1468.1	1380.1	1311.6	1252.7	1197.3	1133.9	1039.7	976.3
97.5°	1585.2	1578.3	1516.6	1427.0	1341.8	1274.4	1219.6	1169.3	1108.8	1019.1	955.1
100°	1536.6	1527.5	1466.4	1380.1	1296.1	1235.0	1185.9	1140.8	1081.4	993.4	932.3
102.5°	1485.2	1476.7	1418.4	1333.8	1255.0	1195.6	1151.0	1107.1	1052.8	970.0	910.0
105°	1427.0	1422.4	1363.6	1281.9	1208.2	1153.3	1111.6	1073.4	1021.9	941.4	886.6
107.5°	1369.3	1360.1	1305.3	1227.0	1157.9	1108.2	1072.2	1036.8	990.0	912.8	860.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	*1308.1*	1299.0	1249.9	1175.0	1111.1	1063.6	1030.5	999.1	956.8	884.9	835.7
112.5°	*1246.4*	1236.2	1187.6	1119.1	1056.8	1018.0	987.7	961.4	923.1	856.9	808.3
115°	*1179.6*	1175.6	1128.2	1062.5	1007.7	971.1	944.8	920.8	884.9	826.6	782.0
117.5°	*1113.9*	1106.5	1065.4	1004.8	954.0	919.7	899.7	878.6	846.0	791.2	752.3
120°	*1043.1*	1041.4	1002.0	945.4	898.0	871.1	851.7	834.0	805.4	755.8	719.2
122.5°	*976.3*	972.8	935.1	884.3	844.9	819.7	804.3	788.9	764.3	718.0	683.8
125°	*905.4*	901.4	871.7	830.0	792.3	768.3	753.5	741.5	719.2	677.5	645.5
127.5°	*839.7*	835.7	808.9	768.9	739.2	717.5	703.8	692.9	670.6	634.6	606.7
130°	*774.6*	767.7	744.3	712.3	682.6	667.8	654.1	646.1	623.2	589.5	565.0
132.5°	*704.9*	701.5	684.9	655.2	631.2	615.8	603.8	593.5	575.8	545.0	522.7
135°	*643.2*	639.8	624.4	599.2	582.7	568.4	557.5	546.7	528.4	498.7	479.8
137.5°	*584.4*	581.5	567.8	550.7	529.5	521.0	513.5	500.4	484.4	457.6	440.4
140°	*522.7*	523.8	513.0	497.6	484.4	474.1	466.7	455.8	439.9	417.0	399.9
142.5°	*471.8*	473.6	460.4	449.6	437.6	429.6	422.1	413.0	397.6	377.0	363.9
145°	*423.9*	419.9	414.7	404.4	393.0	387.9	380.4	372.4	360.5	339.9	329.0
147.5°	*375.3*	374.2	369.0	362.2	353.0	345.0	339.3	334.7	322.8	305.6	295.9
150°	*331.3*	330.2	327.3	322.2	314.2	309.0	304.5	298.2	286.8	273.6	265.1
152.5°	*292.5*	292.5	290.8	283.9	280.5	274.8	269.1	265.6	254.2	243.3	235.9
155°	*258.8*	258.8	256.5	253.1	246.8	243.3	239.9	234.8	226.8	218.2	211.4
157.5°	*229.6*	230.2	227.4	224.5	219.9	217.1	213.6	208.5	203.4	195.4	190.2
160°	*203.9*	204.5	203.4	201.1	196.5	193.7	190.8	186.8	182.2	175.9	171.4
162.5°	*183.4*	182.8	181.7	179.4	176.5	174.8	171.4	168.5	164.5	159.9	155.9
165°	*167.4*	165.7	165.1	163.4	160.5	158.8	155.9	153.7	150.8	146.2	144.5
167.5°	*153.1*	153.1	151.9	150.8	148.5	146.2	144.0	142.2	140.0	137.1	134.8
170°	*141.7*	141.7	140.5	139.4	137.1	136.0	134.2	132.5	130.8	128.5	127.4
172.5°	*132.5*	132.5	132.0	130.2	129.1	127.4	126.8	125.1	123.4	122.2	121.1
175°	*125.7*	125.7	124.5	123.4	122.2	121.1	120.0	119.4	118.8	117.7	117.1
177.5°	*120.5*	120.0	119.4	118.2	117.1	116.5	116.0	115.4	115.4	114.8	114.2
180°	*113.7*	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
2.5°	58.3	53.1	47.4	42.3	39.4	35.4	33.1	32.0	33.1	31.4
5°	69.1	60.0	50.8	44.0	36.6	30.8	25.7	20.6	17.1	16.6
7.5°	92.0	81.7	69.1	57.7	47.4	38.3	30.3	24.0	19.4	18.9
10°	121.7	106.3	90.3	74.3	59.4	47.4	37.7	30.8	28.6	28.0
12.5°	158.8	136.5	114.2	93.1	74.8	58.8	48.0	40.6	37.1	36.6
15°	197.6	169.7	141.1	113.7	89.1	69.7	56.0	48.0	44.0	43.4
17.5°	239.3	202.8	163.9	132.0	102.8	79.4	62.3	51.4	46.8	45.7
20°	281.6	235.9	191.4	149.7	114.2	85.7	65.7	53.1	47.4	46.3
22.5°	329.0	274.2	218.8	166.8	124.5	92.0	68.5	54.3	48.0	46.8
25°	382.7	313.0	247.3	186.8	136.0	97.7	71.4	56.0	48.6	47.4
27.5°	437.6	356.5	276.5	204.5	145.7	101.7	73.7	56.6	49.1	48.0
30°	493.0	399.9	306.2	221.6	154.2	106.3	74.8	57.1	49.1	48.6
32.5°	550.7	440.4	334.7	237.6	161.7	109.1	76.0	57.7	49.7	48.6
35°	602.7	483.3	361.6	253.1	168.5	111.4	76.5	57.7	49.7	48.6
37.5°	652.4	519.8	386.2	265.6	173.7	113.1	77.1	57.7	49.7	48.6
40°	704.3	558.7	408.4	277.1	177.7	114.2	77.1	57.7	49.7	49.1
42.5°	746.6	591.2	427.3	285.0	180.5	114.2	77.1	57.7	50.3	49.1
45°	784.9	618.1	445.6	292.5	182.2	114.2	76.5	58.3	50.3	49.7
47.5°	818.0	644.9	459.3	297.6	182.8	114.2	76.5	58.3	50.8	50.3
50°	848.9	666.6	471.3	301.6	183.4	113.7	76.5	58.8	51.4	50.3
52.5°	875.1	684.3	481.0	303.9	182.2	112.5	76.5	59.4	52.6	51.4
55°	897.4	700.9	487.8	305.0	181.1	112.0	76.5	60.0	53.1	52.6
57.5°	915.7	714.1	494.1	305.6	179.9	111.4	77.1	61.1	54.8	54.3
60°	932.3	724.9	498.7	305.6	178.8	110.8	77.7	62.3	56.0	55.4
62.5°	945.4	733.5	502.1	305.0	178.2	110.8	78.8	64.0	57.7	57.1
65°	954.5	739.8	503.8	303.9	177.1	111.4	80.0	65.7	60.0	59.4
67.5°	963.1	745.5	505.0	303.3	176.5	112.0	81.7	68.0	62.3	61.7
70°	968.3	748.9	505.5	302.8	175.9	113.1	83.4	70.3	65.1	64.6
72.5°	970.5	751.2	506.1	301.6	176.5	114.2	85.7	72.5	68.0	67.4
73°	*971.1*	*751.2*	*505.5*	*301.6*	*176.5*	*114.8*	*86.3*	*73.7*	*68.5*	*68.0*
75°	972.3	751.2	505.0	301.0	177.1	116.0	88.0	76.0	70.8	70.8
77.5°	970.5	750.0	503.8	300.5	177.7	118.2	90.8	78.8	74.3	73.7
80°	967.1	747.2	502.1	300.5	178.8	120.5	94.3	82.3	77.7	77.1
82.5°	959.7	742.0	499.8	299.9	180.5	123.4	97.7	85.7	81.7	81.1
85°	952.3	735.8	496.4	299.9	182.8	126.8	101.1	89.7	85.7	85.1
87.5°	940.8	728.3	493.0	299.3	185.1	129.7	104.5	93.7	89.1	89.1
90°	927.7	720.3	489.6	299.9	187.4	133.7	109.1	98.3	93.7	93.1
92.5°	914.6	711.2	485.6	301.0	191.4	137.7	113.7	102.8	98.3	97.1
95°	896.8	698.6	481.0	301.6	194.8	142.2	118.2	107.4	102.8	102.8
97.5°	878.6	687.2	475.8	303.3	199.4	148.0	124.5	113.1	108.5	108.5
100°	859.1	675.2	472.4	305.0	203.9	154.2	130.2	118.8	114.2	114.2
102.5°	838.6	662.1	469.0	308.5	210.8	160.5	137.1	125.7	120.5	120.5
105°	817.4	649.5	465.6	312.5	217.6	168.5	144.5	133.1	128.0	128.0
107.5°	796.9	637.5	462.7	317.6	225.1	176.5	151.9	140.5	135.4	134.2

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

Scaled Data Report

REPORT NUMBER: P1224035
CATALOG NUMBER: FFX-CLB-60-730-U-VM8-T4-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	775.2	624.9	460.4	322.8	233.6	185.7	161.1	148.0	142.2	142.2
112.5°	751.8	611.8	458.7	327.9	242.8	194.8	169.1	155.9	150.2	149.1
115°	727.2	598.7	455.3	333.6	250.8	203.9	177.7	162.8	156.5	155.9
117.5°	703.2	583.2	451.3	337.6	258.2	211.4	184.5	169.7	162.8	162.2
120°	675.2	566.1	444.4	338.7	263.9	217.1	190.2	174.2	167.4	166.2
122.5°	644.4	543.8	434.7	337.6	266.8	221.1	193.7	177.7	169.7	169.1
125°	609.5	519.3	422.1	333.6	267.3	222.8	194.8	178.2	170.8	169.7
127.5°	573.0	494.7	405.6	325.6	263.9	221.6	193.7	177.1	169.1	168.5
130°	535.3	465.6	386.2	315.3	258.2	217.6	190.8	174.2	166.2	165.7
132.5°	497.6	434.7	365.0	301.6	250.2	211.4	185.7	169.7	162.2	161.1
135°	457.0	404.4	343.3	287.3	239.3	204.5	179.4	163.9	156.5	155.9
137.5°	419.9	373.0	321.0	271.3	229.1	195.4	172.5	158.2	151.9	150.8
140°	383.3	342.7	297.0	254.2	215.9	186.2	164.5	151.9	145.7	145.1
142.5°	349.6	314.8	275.9	237.6	203.9	177.1	157.7	145.7	140.5	139.4
145°	314.8	285.6	253.6	220.5	190.8	167.4	150.2	139.4	134.8	133.7
147.5°	284.5	258.8	231.4	203.4	178.8	157.7	142.8	133.7	129.7	129.1
150°	255.9	234.2	210.2	187.4	165.7	148.5	136.0	128.0	124.5	124.0
152.5°	230.2	211.4	191.9	172.5	154.2	140.5	129.7	122.8	120.0	120.0
155°	206.2	190.8	175.4	159.4	145.1	133.7	125.1	119.4	117.1	116.5
157.5°	185.7	173.7	161.1	148.0	137.1	127.4	120.5	116.5	114.2	114.2
160°	167.9	158.8	148.5	138.8	130.2	122.2	117.1	113.7	112.0	112.0
162.5°	153.7	146.2	138.2	130.8	123.4	118.2	114.2	112.0	110.8	110.8
165°	141.7	136.5	130.8	124.5	119.4	115.4	112.5	110.8	110.2	110.2
167.5°	133.1	128.5	124.0	120.0	116.5	113.1	111.4	110.2	110.2	109.7
170°	125.7	122.8	118.8	116.0	113.1	111.4	110.2	109.7	109.7	109.1
172.5°	120.0	117.7	115.4	113.1	111.4	110.2	109.7	109.7	109.7	109.7
175°	116.5	114.8	113.1	112.0	110.8	109.7	109.7	110.2	110.2	110.2
177.5°	113.7	113.1	112.0	111.4	110.8	110.8	110.8	111.4	112.0	112.0
180°	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7

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: SP1-2501-332-4

Test Date: 03/21/2025

Luminaire Tested: FFX-CLB-100-730-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-730-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

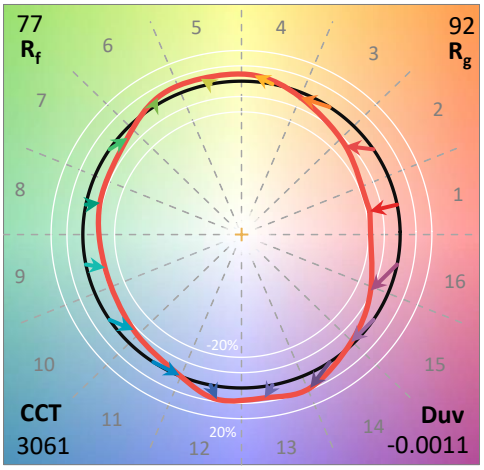
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-4
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-100-730-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	3061
CIE u':	0.2489
CIE v':	0.5187
Duv:	-0.0011
CIE x:	0.4312
CIE y:	0.3995
CIE z:	0.1693
Peak Wavelength (nm):	592
Dominant Wavelength (nm):	582
Purity:	49.32381
Rf:	76.8
Rg:	92.2

CRI (Ra):	71.7
R1:	67.8
R2:	85.0
R3:	92.9
R4:	66.0
R5:	68.5
R6:	80.2
R7:	74.5
R8:	39.0
R9:	-40.3
R10:	67.2
R11:	61.6
R12:	59.9
R13:	71.4
R14:	96.3
R15:	58.8



Test Conditions

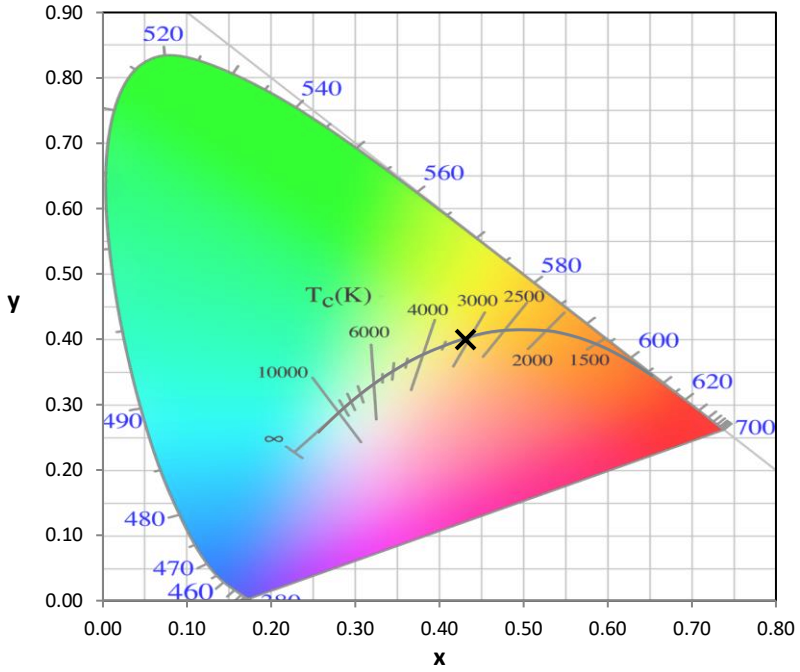
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

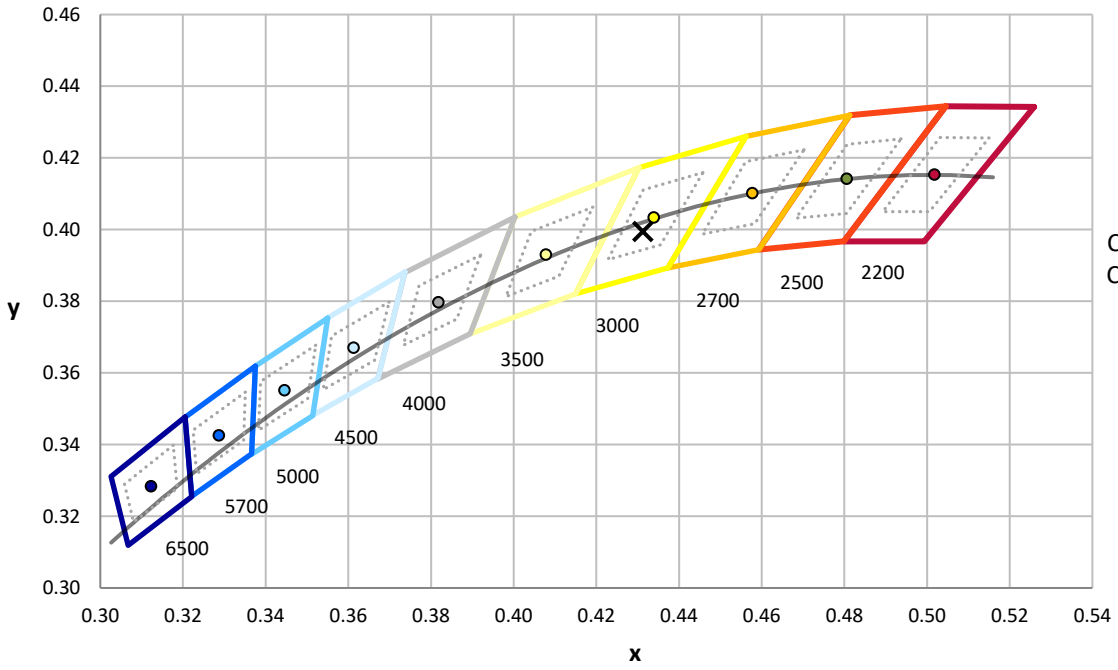
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-4

CIE 1931 Chromaticity Diagram



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

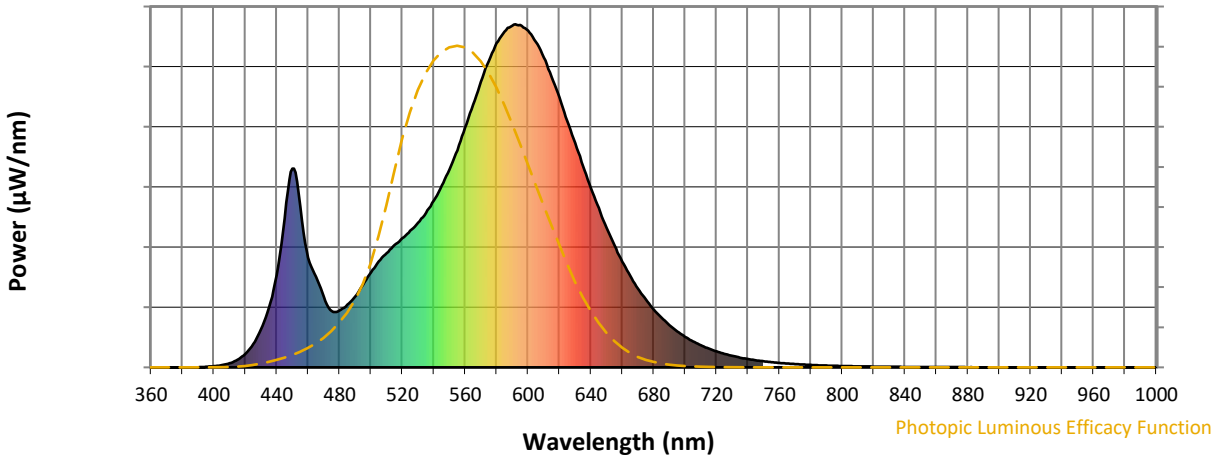


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

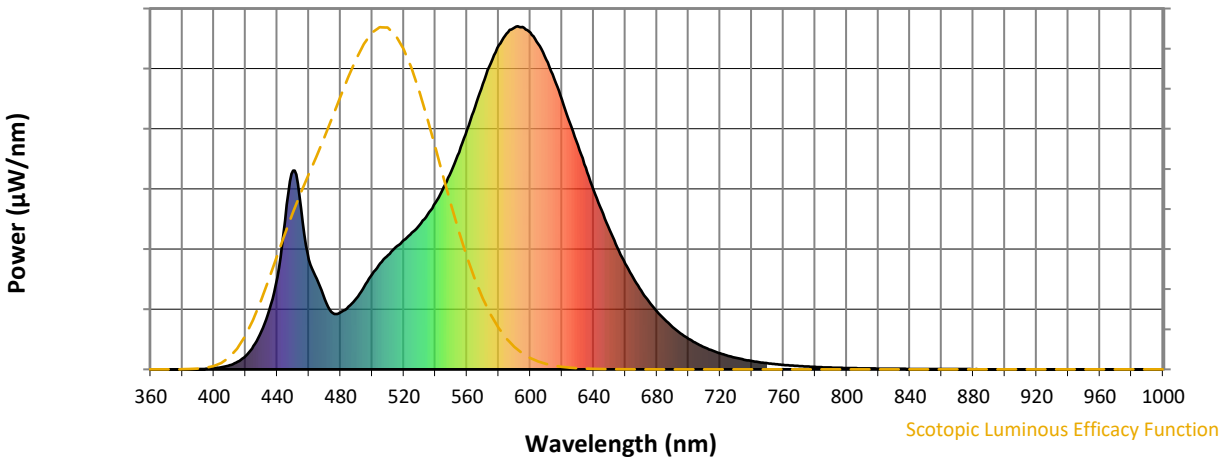


Photopic Lumens: NR

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-4

Scotopic Flux vs. Wavelength

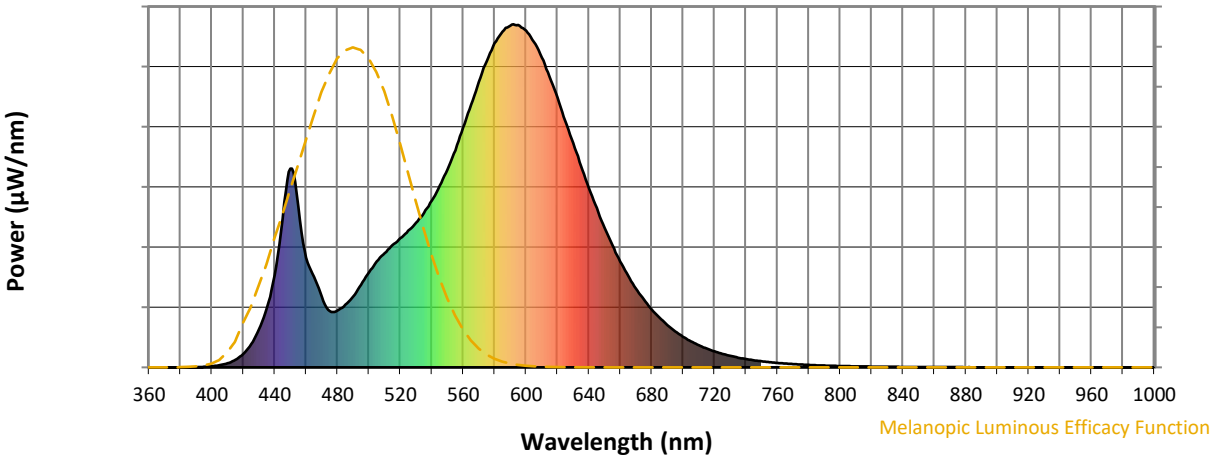


Scotopic Lumens: NR **S/P: 1.29**

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.47**

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

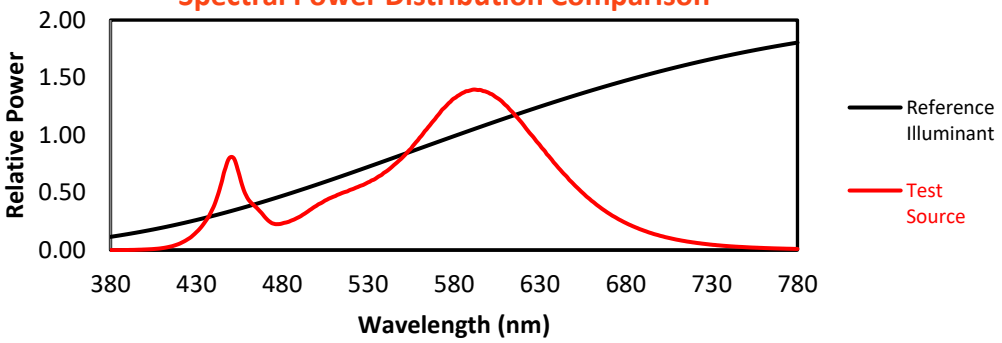
REPORT NUMBER: SP1-2501-332-4

TM-30-18

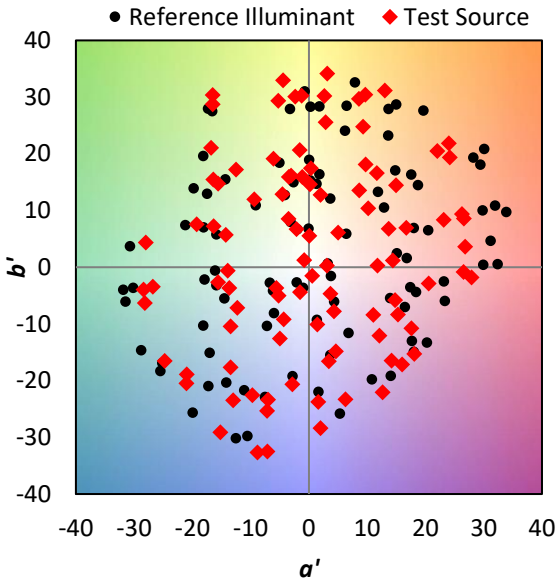
Summary

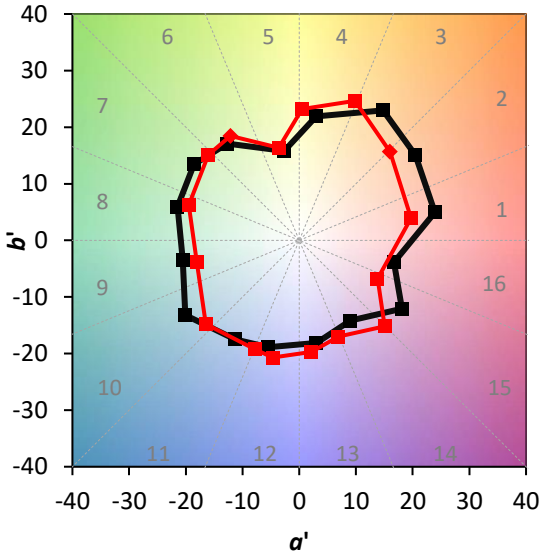
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

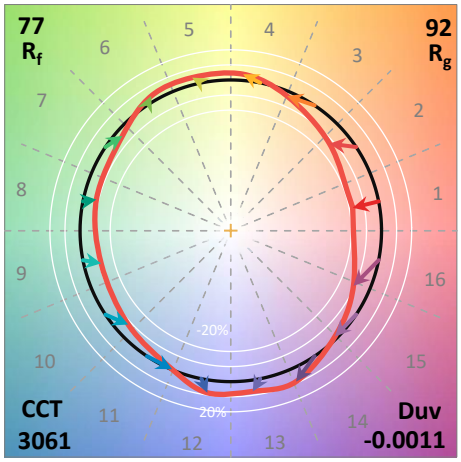
Spectral Power Distribution Comparison

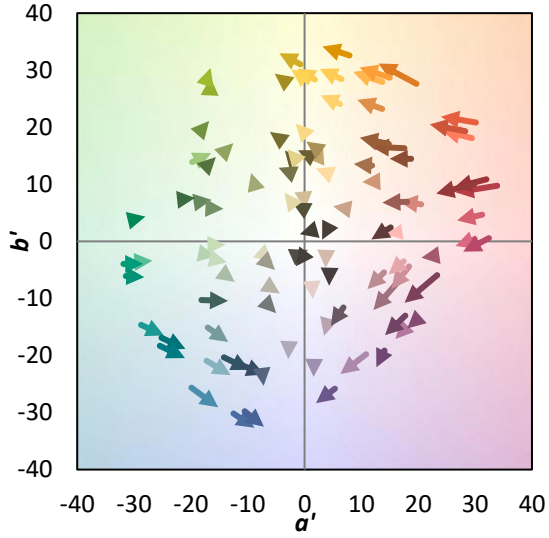


Color Vector Graphics







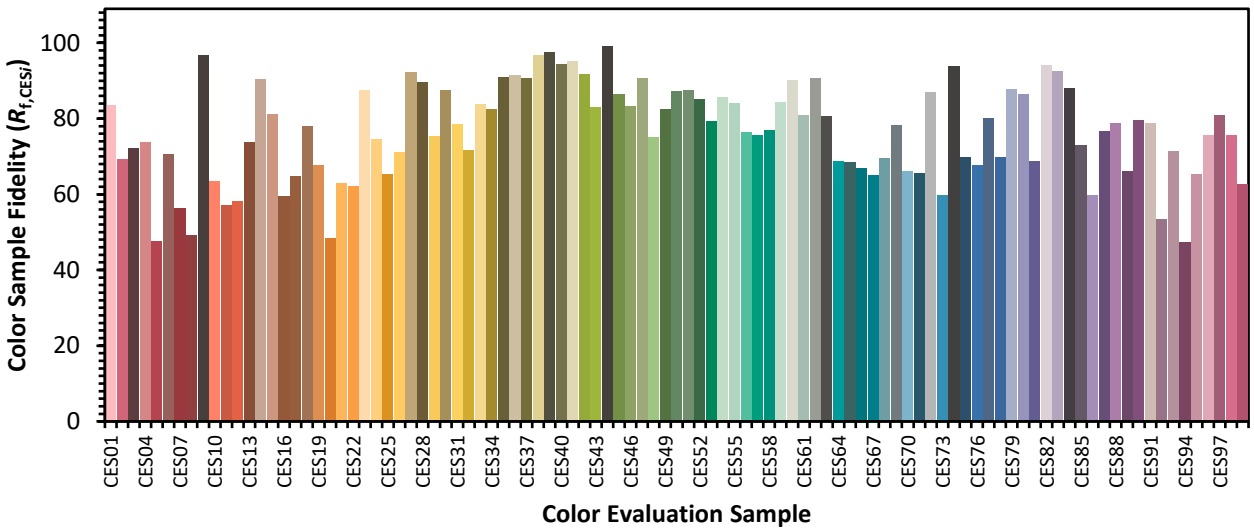


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

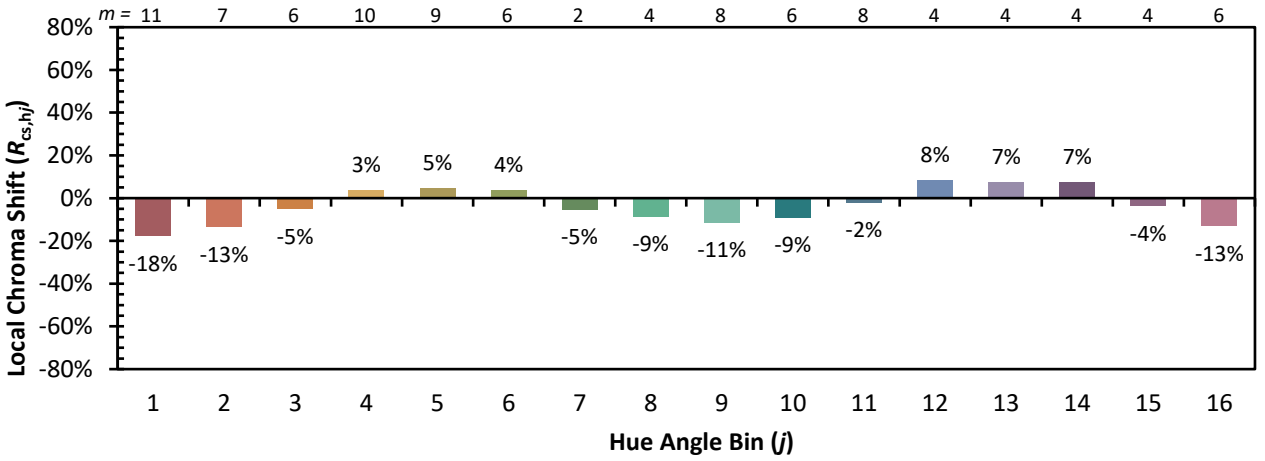
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57 = 76	CES82 = 94
CES08 = 40	CES33 = 84	CES58 = 77	CES83 = 92
CES09 = 29	CES34 = 83	CES59 = 84	CES84 = 88
CES10 = 76	CES35 = 91	CES60 = 90	CES85 = 73
CES11 = 59	CES36 = 92	CES61 = 81	CES86 = 60
CES12 = 65	CES37 = 91	CES62 = 91	CES87 = 77
CES13 = 43	CES38 = 97	CES63 = 81	CES88 = 79
CES14 = 74	CES39 = 98	CES64 = 69	CES89 = 66
CES15 = 71	CES40 = 94	CES65 = 69	CES90 = 80
CES16 = 47	CES41 = 95	CES66 = 67	CES91 = 79
CES17 = 50	CES42 = 92	CES67 = 65	CES92 = 53
CES18 = 56	CES43 = 83	CES68 = 70	CES93 = 71
CES19 = 73	CES44 = 99	CES69 = 78	CES94 = 47
CES20 = 66	CES45 = 87	CES70 = 66	CES95 = 65
CES21 = 87	CES46 = 83	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 91	CES72 = 87	CES97 = 81
CES23 = 92	CES48 = 75	CES73 = 60	CES98 = 76
CES24 = 91	CES49 = 83	CES74 = 94	CES99 = 63
CES25 = 73	CES50 = 87	CES75 = 70	

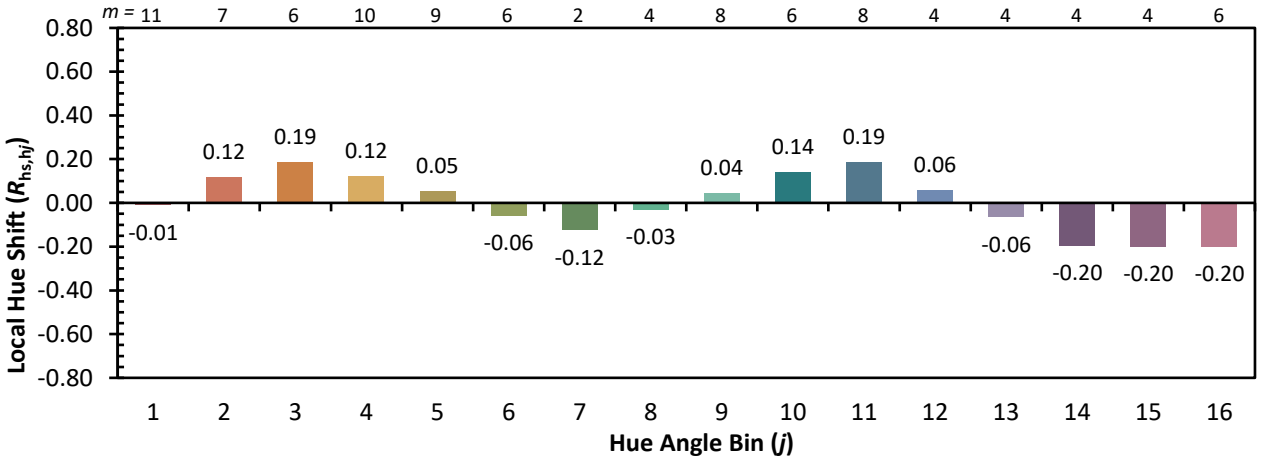


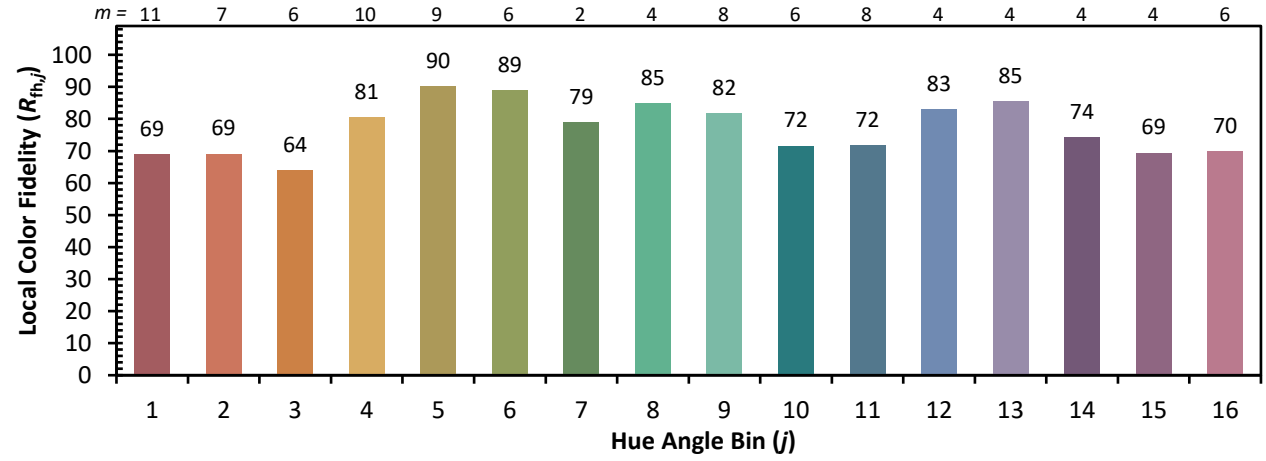
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Color Rendition by Hue-Angle Bin



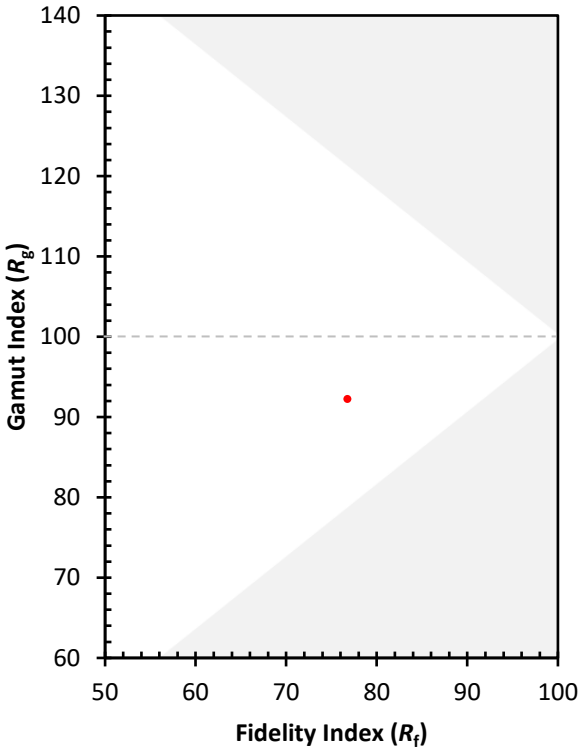


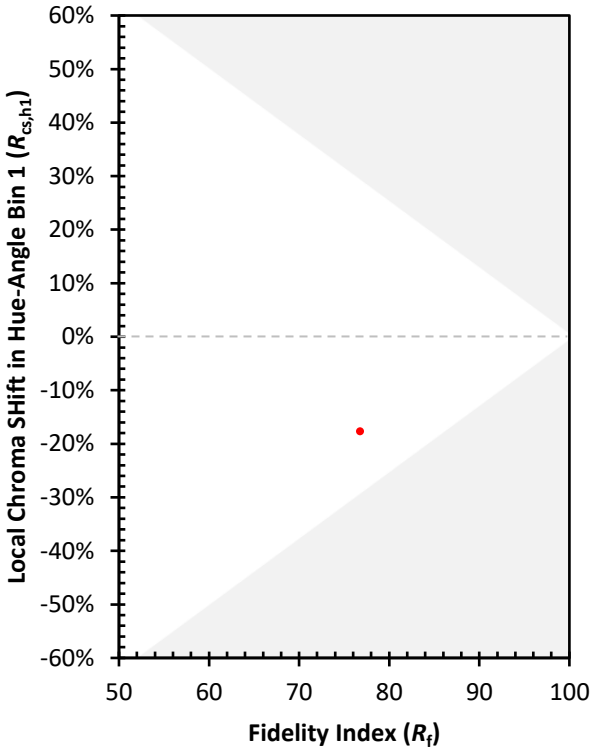


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Measure Comparisons





(END OF REPORT)