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: P1223980

Luminaire Tested: **FFX-CLB-70-727-U-VM8-T4**

Issue Date: 01/27/2026

Report Generated By 670245763

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1223980
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-70-727-U-VM8-T4
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 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:	10062.1 lumens
Efficiency:	N/A
Efficacy:	141.3 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):	71.2
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.93%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

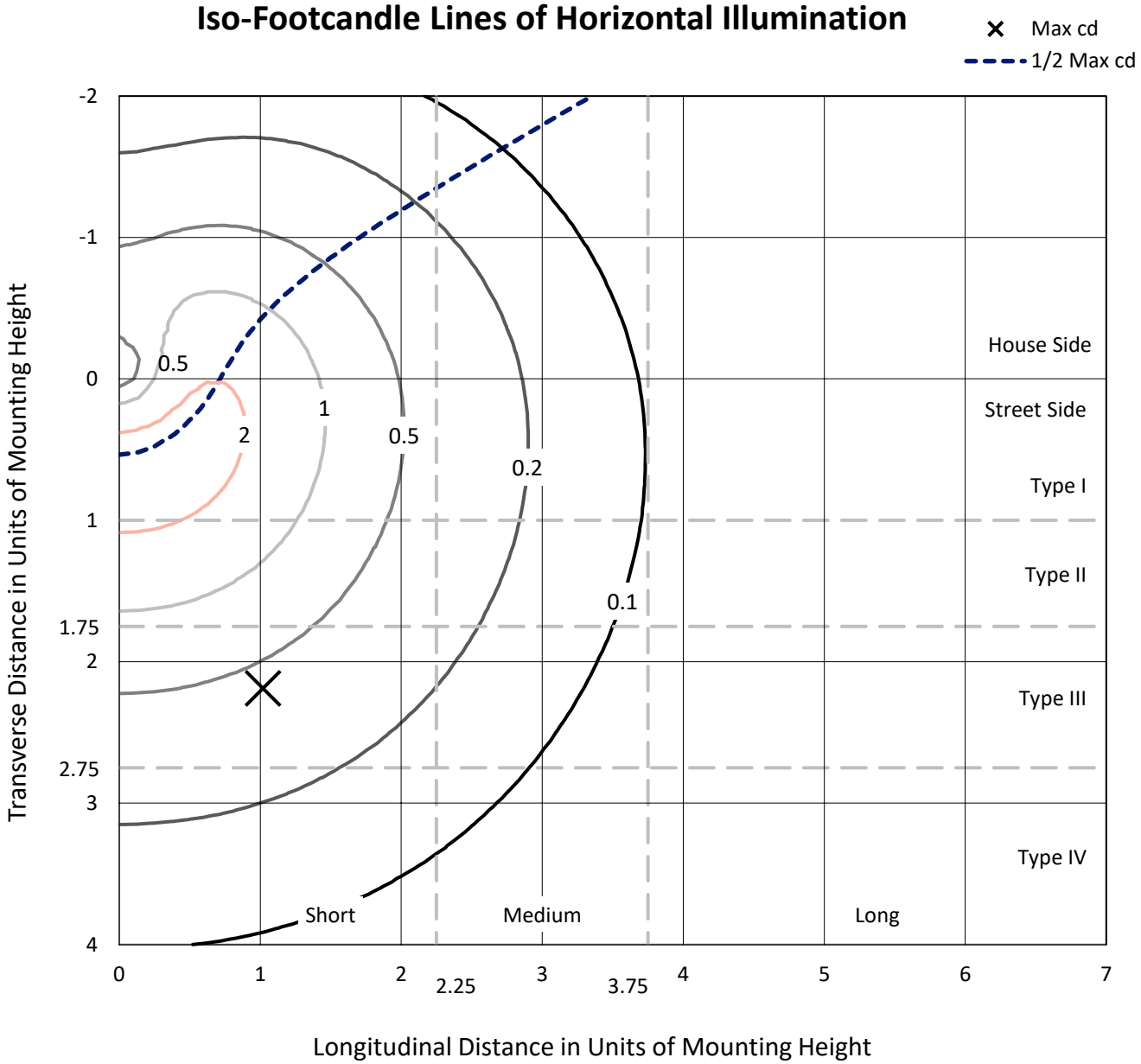


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Iso-Footcandle Lines of Horizontal Illumination



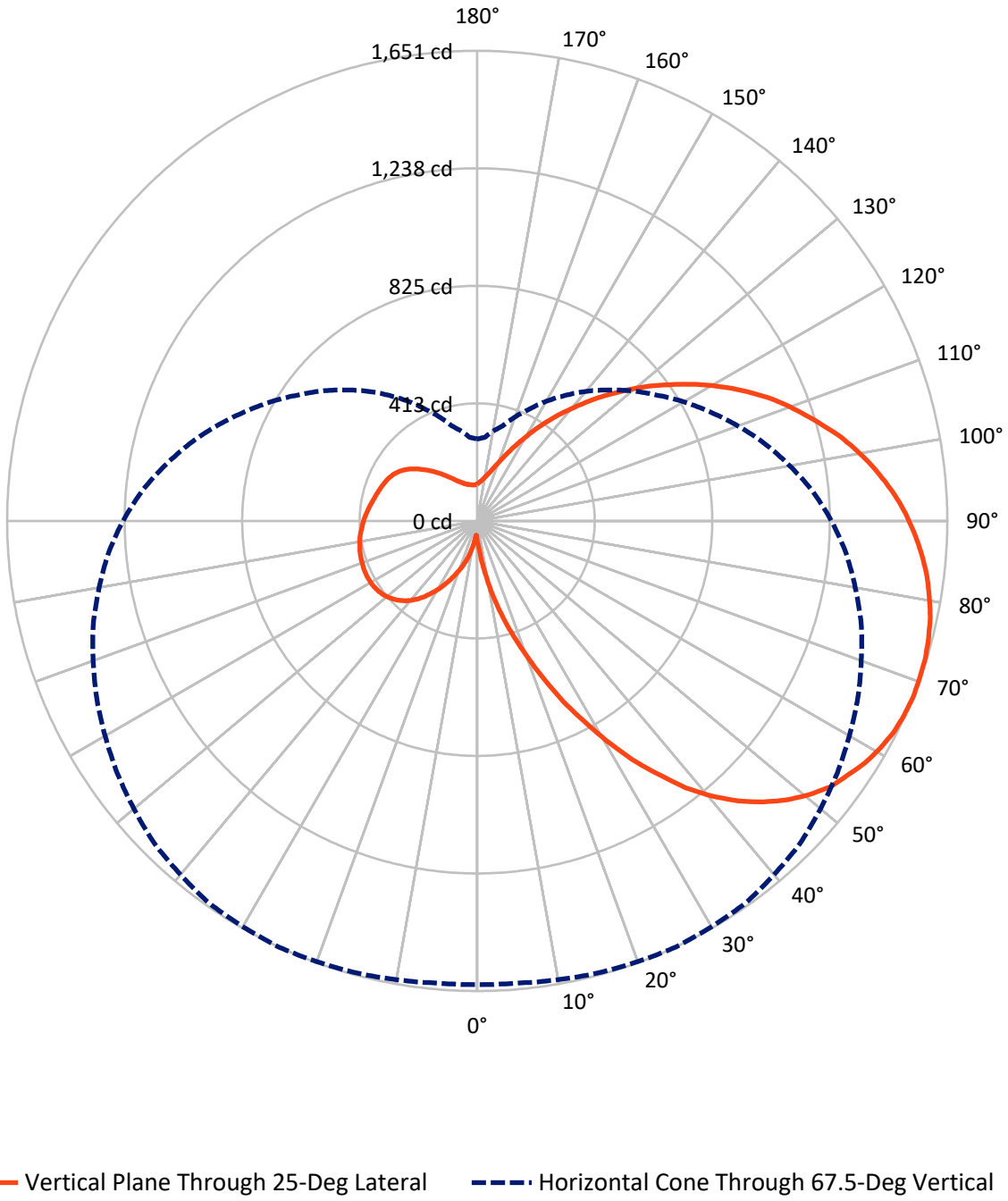
Based on 15 foot mounting height. Maximum calculated value = 2.7 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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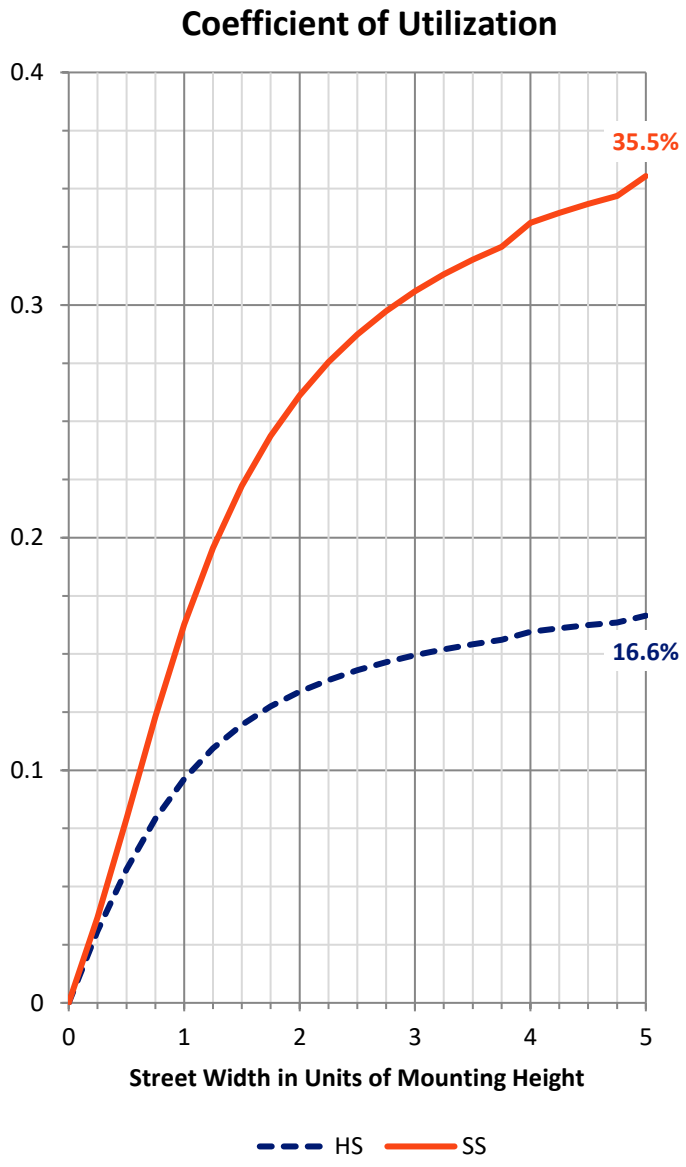
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1842.8	1408.6	3251.3
	% Fixture	18.3	14.0	32.3
Street Side	Lumens	4071.8	2739.0	6810.8
	% Fixture	40.5	27.2	67.7
Total	Lumens	5914.5	4147.6	10062.1
	% Fixture	58.8	41.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.0	0.1
10°-20°	76.6	0.8
20°-30°	229.2	2.3
30°-40°	471.7	4.7
40°-50°	736.5	7.3
50°-60°	953.9	9.5
60°-70°	1100.0	10.9
70°-80°	1170.3	11.6
80°-90°	1165.2	11.6
90°-100°	1087.1	10.8
100°-110°	950.2	9.4
110°-120°	778.2	7.7
120°-130°	578.7	5.8
130°-140°	376.4	3.7
140°-150°	213.2	2.1
150°-160°	105.1	1.0
160°-170°	45.9	0.5
170°-180°	12.9	0.1
0°-90°	5914.5	58.8
0°-180°	10062.1	100.0



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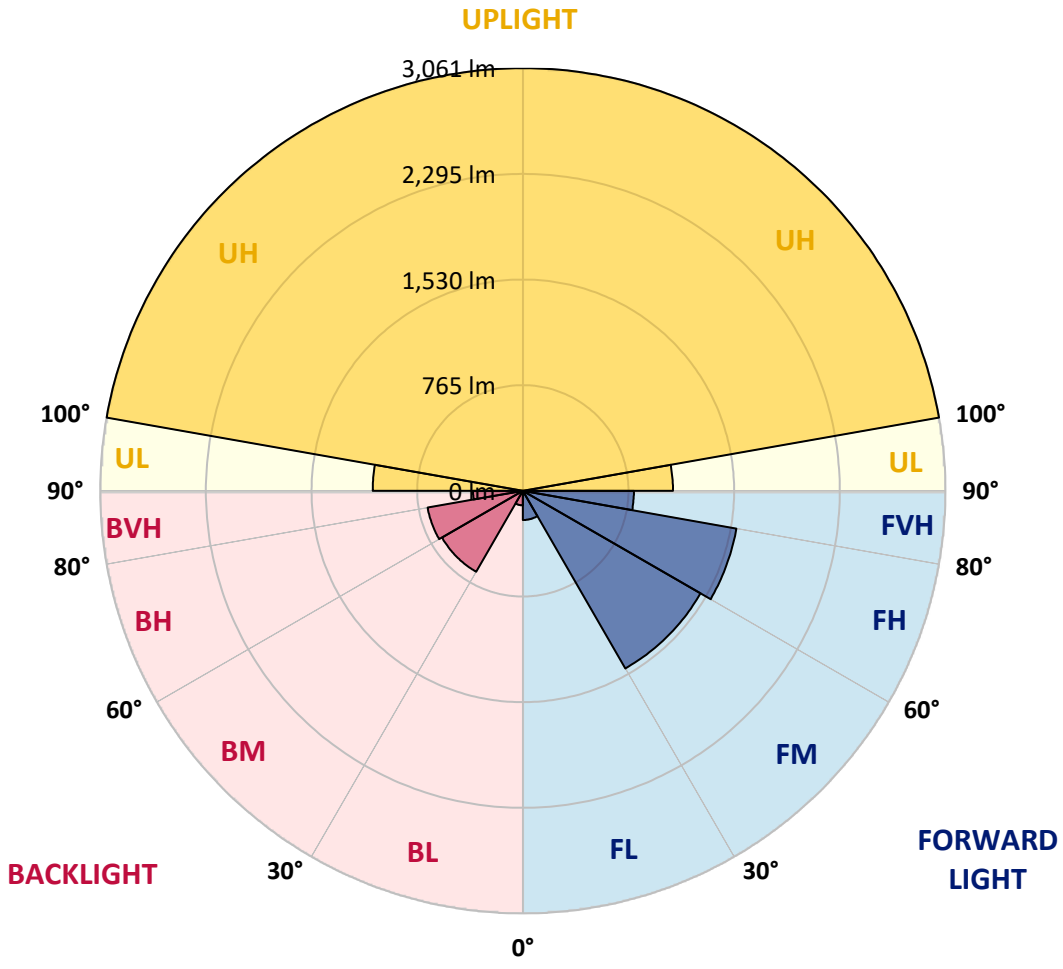
Scaled Data Report

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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°)	211.4	2.1			
FM	(30°-60°)	1485.7	14.8			
FH	(60°-80°)	1570.4	15.6			G1/1800
FVH	(80°-90°)	804.3	8.0			G5
BL	(0°-30°)	105.4	1.0	B0/110		
BM	(30°-60°)	676.5	6.7	B1/1000		
BH	(60°-80°)	699.9	7.0	B2/1000		G2/1000
BVH	(80°-90°)	360.9	3.6			G3/500
UL	(90°-100°)	1087.1	10.8		U5	
UH	(100°-180°)	3060.5	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°	72.8	72.8	72.8	*72.8*	72.8	72.8	72.8	72.8	72.8	72.8	72.8
2.5°	86.9	86.9	87.5	*87.5*	86.2	86.9	85.6	83.7	82.4	79.2	77.9
5°	126.5	124.6	125.2	*123.9*	121.4	120.1	115.0	111.1	104.8	97.7	94.5
7.5°	175.7	176.3	173.7	*170.5*	169.9	162.9	161.6	149.5	144.4	132.2	129.0
10°	236.3	235.1	232.5	*231.9*	226.1	219.1	208.2	201.8	185.2	176.3	169.3
12.5°	302.8	303.4	298.9	*294.5*	289.3	279.8	265.1	254.9	241.4	222.9	214.0
15°	374.3	371.7	371.7	*366.6*	359.0	348.1	336.6	321.9	302.8	283.0	270.2
17.5°	440.7	445.8	443.9	*437.5*	430.5	417.1	405.0	384.5	363.4	341.7	325.8
20°	523.8	525.0	521.9	*516.1*	509.7	494.4	479.7	459.3	433.1	399.2	385.8
22.5°	607.4	610.0	610.0	*606.8*	597.9	584.4	560.8	538.5	505.9	472.0	449.7
25°	703.9	702.0	703.9	*702.0*	687.3	675.1	650.9	624.0	588.9	547.4	520.6
27.5°	801.0	803.5	798.4	*794.0*	788.2	769.0	742.9	709.0	664.9	621.5	592.8
30°	895.5	901.3	901.3	*896.2*	887.2	868.0	838.7	802.3	753.7	698.8	664.9
32.5°	994.5	996.4	999.0	*998.4*	988.1	969.6	937.0	887.8	833.6	772.9	739.7
35°	1099.3	1093.5	1094.8	*1091.0*	1086.5	1063.5	1025.8	978.5	919.8	852.1	811.8
37.5°	1186.1	1183.6	1185.5	*1188.7*	1176.6	1152.9	1109.5	1054.6	990.0	919.1	878.9
40°	1268.5	1266.6	1269.8	*1270.5*	1258.3	1230.9	1184.9	1131.8	1062.2	980.5	942.8
42.5°	1337.5	1337.5	1340.7	*1344.5*	1331.8	1302.4	1255.8	1192.5	1121.0	1038.6	992.6
45°	1401.4	1399.5	1405.9	*1407.8*	1395.0	1365.6	1313.2	1249.4	1172.7	1089.1	1041.1
47.5°	1452.5	1453.1	1459.5	*1463.4*	1451.9	1418.6	1365.6	1297.9	1218.1	1130.6	1081.4
50°	1494.7	1500.4	1506.1	*1510.6*	1498.5	1465.3	1410.3	1336.9	1257.0	1168.9	1117.8
52.5°	1536.8	1536.8	1545.8	*1551.5*	1538.1	1503.6	1446.1	1374.6	1292.8	1199.6	1149.7
55°	1563.6	1564.3	1575.1	*1577.0*	1568.7	1533.0	1474.2	1402.7	1320.9	1227.0	1174.0
57.5°	1587.3	1587.9	1600.0	*1604.5*	1593.0	1558.5	1498.5	1424.4	1344.5	1248.7	1195.1
60°	1607.7	1607.1	1617.3	*1623.7*	1612.2	1575.8	1517.0	1444.8	1363.1	1268.5	1213.0
62.5°	1620.5	1620.5	1632.6	*1639.0*	1626.9	1591.1	1531.1	1459.5	1377.8	1282.0	1227.0
65°	1626.2	1627.5	1639.0	*1646.7*	1635.2	1598.8	1538.7	1468.5	1388.0	1292.8	1237.2
67.5°	*1628.1*	*1628.8*	*1642.8*	*1650.5*	*1639.6*	*1602.6*	*1543.2*	*1474.2*	*1395.6*	*1299.8*	*1243.6*
70°	1629.4	1630.1	1640.9	*1648.6*	1639.0	1602.0	1544.5	1476.8	1400.1	1303.7	1247.5
72.5°	1622.4	1624.3	1636.5	*1645.4*	1633.9	1597.5	1541.3	1476.8	1399.5	1306.2	1248.7
75°	1613.5	1617.9	1628.8	*1636.5*	1626.2	1591.1	1536.2	1474.2	1398.8	1304.9	1248.7
77.5°	1604.5	1605.2	1619.2	*1626.2*	1615.4	1579.6	1527.2	1467.8	1395.0	1301.1	1244.3
80°	1586.6	1590.5	1602.6	*1609.0*	1599.4	1565.6	1514.5	1458.9	1388.0	1294.7	1237.2
82.5°	1573.9	1572.6	1584.7	*1590.5*	1580.9	1545.8	1499.8	1444.8	1377.8	1283.9	1227.7
85°	1549.6	1552.1	1561.7	*1566.8*	1556.0	1524.0	1480.0	1430.8	1363.7	1271.7	1214.9
87.5°	1526.6	1527.9	1534.3	*1540.0*	1529.1	1498.5	1457.6	1411.0	1346.5	1256.4	1200.8
90°	1497.8	1498.5	1505.5	*1510.0*	1500.4	1471.7	1434.0	1388.6	1327.9	1239.2	1183.6
92.5°	1471.0	1469.7	1474.9	*1476.8*	1468.5	1440.4	1406.5	1364.3	1305.6	1218.1	1164.4
95°	1435.9	1435.2	1439.7	*1438.4*	1429.5	1405.2	1374.6	1337.5	1279.4	1195.7	1142.7
97.5°	1396.9	1397.6	1400.1	*1398.8*	1389.3	1366.9	1343.3	1306.2	1252.6	1169.5	1118.4
100°	1353.5	1355.4	1359.2	*1355.4*	1347.1	1330.5	1305.6	1274.9	1221.9	1143.3	1092.9
102.5°	1317.1	1312.0	1310.7	*1310.1*	1301.8	1287.1	1267.9	1241.1	1191.9	1114.6	1066.1
105°	1269.2	1266.0	1265.3	*1258.3*	1255.1	1243.0	1227.0	1202.7	1158.7	1085.9	1038.6
107.5°	1218.7	1219.4	1216.8	*1208.5*	1204.0	1195.7	1186.8	1165.1	1122.9	1053.9	1010.5
110°	1173.4	1170.2	1163.1	*1159.3*	1156.1	1149.1	1143.3	1126.7	1087.8	1023.3	979.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1117.2	1119.1	1110.8	*1108.2*	1103.1	1102.5	1098.6	1085.2	1050.7	990.7	949.8
115°	1066.7	1065.4	1057.1	*1052.0*	1050.1	1051.4	1053.9	1044.3	1012.4	955.6	917.9
117.5°	1011.1	1007.3	1001.5	*996.4*	993.9	999.0	1004.7	1000.3	973.4	919.8	884.0
120°	951.7	952.4	944.1	*938.9*	939.6	947.9	955.6	953.0	927.5	879.5	847.6
122.5°	896.2	893.0	885.9	*880.8*	885.3	894.2	903.2	902.5	880.2	833.6	804.8
125°	835.5	834.8	827.8	*822.7*	826.5	836.7	847.6	848.9	827.8	788.8	760.1
127.5°	778.0	776.1	774.8	*769.0*	771.6	785.7	793.3	792.7	774.2	738.4	713.5
130°	723.1	722.4	714.8	*712.2*	715.4	726.9	734.6	733.3	718.6	687.3	664.9
132.5°	667.5	664.9	661.7	*657.9*	660.5	670.0	680.3	679.0	661.7	631.7	613.8
135°	612.6	610.6	608.1	*605.5*	607.4	617.0	626.0	623.4	608.7	581.9	564.0
137.5°	562.1	560.2	557.0	*553.8*	556.3	564.0	569.8	567.8	555.7	530.2	512.9
140°	509.7	511.0	507.2	*504.6*	505.9	513.5	518.0	515.5	502.0	481.0	466.9
142.5°	461.8	461.8	459.9	*459.3*	461.2	465.0	468.8	463.7	454.8	433.1	421.6
145°	415.8	416.5	415.8	*414.5*	415.2	419.7	420.3	418.4	408.2	392.2	379.4
147.5°	372.4	374.3	373.0	*373.0*	373.7	375.6	378.1	373.7	364.7	350.7	341.7
150°	332.1	333.4	333.4	*332.1*	332.1	334.7	334.7	331.5	324.5	313.0	304.7
152.5°	297.0	297.7	297.7	*296.4*	297.0	297.7	296.4	292.5	286.8	277.9	271.5
155°	265.1	266.4	264.4	*265.1*	263.2	263.8	263.2	260.6	254.2	246.6	242.7
157.5°	236.3	238.3	237.0	*237.0*	235.7	235.1	234.4	231.9	227.4	221.0	216.5
160°	213.3	214.6	212.7	*212.7*	211.4	211.4	208.9	207.6	203.1	197.4	194.8
162.5°	193.5	193.5	192.9	*193.5*	192.9	191.0	189.7	187.2	183.3	178.8	176.9
165°	177.6	176.9	176.9	*176.3*	175.7	174.4	172.5	171.2	167.3	163.5	162.2
167.5°	165.4	164.8	164.2	*163.5*	162.2	161.6	159.7	158.4	155.2	152.0	150.7
170°	155.2	155.2	153.9	*153.3*	152.7	151.4	149.5	147.5	145.0	143.1	141.8
172.5°	146.3	146.3	145.6	*145.0*	144.4	143.1	141.2	139.9	138.0	136.1	134.8
175°	139.9	139.9	139.2	*138.0*	137.3	136.1	134.8	133.5	131.6	130.3	129.7
177.5°	134.8	134.8	134.8	*133.5*	132.9	131.6	130.3	129.0	128.4	127.1	127.1
180°	128.4	128.4	128.4	*128.4*	128.4	128.4	128.4	128.4	128.4	128.4	128.4

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
2.5°	76.0	72.2	69.0	63.9	59.4	55.6	53.0	51.1	49.8	48.5
5°	90.7	83.7	76.6	69.0	62.0	55.6	50.5	46.6	44.7	44.7
7.5°	123.9	113.1	100.9	90.1	81.8	73.5	65.8	61.3	58.8	57.5
10°	162.2	146.3	134.1	120.7	106.0	95.8	86.9	81.1	77.9	78.6
12.5°	208.2	188.4	173.1	153.3	137.3	121.4	111.8	103.5	99.6	99.0
15°	259.3	236.3	214.0	190.3	169.3	150.7	136.7	125.8	119.4	118.8
17.5°	313.0	284.2	254.2	227.4	199.9	176.9	157.8	145.0	138.0	138.0
20°	367.3	334.7	299.6	264.4	231.2	203.1	180.8	164.2	155.2	153.9
22.5°	429.9	388.4	346.2	303.4	265.7	230.6	201.8	182.0	172.5	170.5
25°	498.2	449.0	398.6	348.1	301.5	259.3	226.1	203.8	190.3	188.4
27.5°	569.1	509.7	450.3	391.5	337.3	290.6	250.4	221.6	208.2	206.3
30°	638.7	573.6	504.6	435.6	374.3	320.6	274.7	241.4	224.8	222.3
32.5°	707.1	633.0	557.0	480.3	413.3	350.7	297.0	261.2	240.8	238.3
35°	772.2	695.6	606.8	524.4	447.8	380.7	320.6	279.1	256.1	253.6
37.5°	836.1	749.2	656.0	565.3	482.2	406.2	342.4	295.7	270.2	267.6
40°	896.8	800.3	698.8	603.0	512.3	431.8	360.9	310.4	281.7	278.5
42.5°	943.4	844.4	738.4	634.9	538.5	451.0	377.5	321.9	290.6	286.2
45°	990.0	884.0	772.2	663.0	561.5	469.5	390.9	332.1	298.9	293.8
47.5°	1028.4	917.9	799.7	686.0	580.6	485.4	402.4	339.2	304.0	298.9
50°	1064.8	947.9	825.3	707.1	597.9	499.5	412.0	344.9	307.2	302.1
52.5°	1092.9	972.8	845.7	723.7	611.9	509.7	419.7	348.8	309.2	303.4
55°	1116.5	993.2	862.3	736.5	622.8	518.7	425.4	350.7	309.2	303.4
57.5°	1136.3	1009.2	875.7	748.0	631.1	524.4	429.2	351.3	307.2	301.5
60°	1153.6	1023.9	886.6	756.9	638.7	530.2	431.8	351.3	305.3	298.9
62.5°	1167.6	1034.1	894.9	763.9	644.5	534.6	433.1	350.0	301.5	295.1
65°	1175.9	1041.1	900.0	767.8	647.7	535.9	433.1	348.1	297.7	291.3
67.5°	*1182.9*	*1045.6*	*903.2*	*769.7*	*649.6*	*537.2*	*432.4*	*344.9*	*293.8*	*287.4*
70°	1186.1	1047.5	904.5	771.0	650.9	536.5	430.5	342.4	290.0	282.3
72.5°	1186.8	1048.2	903.8	771.0	650.9	536.5	428.6	338.5	285.5	278.5
75°	1185.5	1046.3	901.9	770.3	650.2	534.6	426.7	335.3	281.7	274.0
77.5°	1181.7	1042.4	898.7	767.8	647.0	532.7	422.8	331.5	277.2	270.2
80°	1175.3	1036.0	893.6	763.3	643.2	528.9	419.7	327.7	273.4	266.4
82.5°	1165.7	1027.7	887.2	757.5	639.4	524.4	415.8	323.8	269.5	262.5
85°	1154.2	1017.5	877.6	750.5	633.6	519.3	410.7	319.4	265.7	258.7
87.5°	1138.2	1004.7	867.4	742.2	626.0	512.9	405.0	315.5	262.5	255.5
90°	1122.9	990.7	856.6	733.3	618.9	507.2	399.9	311.1	260.0	252.9
92.5°	1105.0	974.1	843.1	723.1	609.4	499.5	394.7	307.2	257.4	251.0
95°	1084.6	956.2	829.1	710.9	600.4	491.8	388.4	303.4	254.9	249.1
97.5°	1061.6	937.0	813.8	698.1	589.6	483.5	382.6	300.2	253.6	247.2
100°	1038.0	915.3	797.1	685.4	578.7	474.6	376.9	297.0	252.9	247.2
102.5°	1011.1	895.5	780.5	672.6	567.8	466.3	371.1	295.1	252.9	247.2
105°	985.6	872.5	762.7	658.5	557.0	458.0	366.0	293.8	253.6	248.5
107.5°	958.1	850.8	744.8	643.8	544.8	449.7	361.5	292.5	254.9	249.7
110°	932.6	829.7	728.2	629.8	534.0	442.0	357.1	291.9	256.1	251.7

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

Scaled Data Report

REPORT NUMBER: P1223980
CATALOG NUMBER: FFX-CLB-70-727-U-VM8-T4

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	904.5	806.7	709.6	614.5	522.5	433.1	352.6	290.6	257.4	253.6
115°	875.1	782.5	691.1	599.1	509.1	424.8	348.1	290.0	258.7	254.9
117.5°	843.1	756.3	668.8	581.3	495.0	414.5	341.7	287.4	258.7	254.9
120°	808.6	728.8	644.5	562.1	479.1	402.4	335.3	284.2	257.4	254.2
122.5°	771.0	696.2	616.4	537.8	461.2	388.4	325.8	278.5	254.2	251.0
125°	729.4	659.8	587.6	511.6	438.8	372.4	314.3	272.1	249.1	246.6
127.5°	686.0	622.1	553.1	484.2	417.7	355.1	302.1	262.5	242.1	239.5
130°	637.5	580.0	517.4	453.5	392.8	335.3	287.4	251.7	233.1	230.6
132.5°	590.8	538.5	482.2	425.4	366.6	316.2	271.5	239.5	223.6	221.0
135°	542.3	496.3	445.8	392.2	342.4	295.1	255.5	227.4	212.7	210.8
137.5°	495.0	456.1	408.8	361.5	317.5	274.7	240.2	215.9	202.5	201.2
140°	451.0	414.5	374.9	333.4	292.5	255.5	225.5	203.1	192.3	190.3
142.5°	408.2	376.9	341.1	306.0	268.3	237.0	210.8	191.0	182.0	180.8
145°	367.9	341.7	310.4	278.5	246.6	219.1	196.7	180.1	172.5	171.8
147.5°	330.2	308.5	281.0	254.2	227.4	204.4	184.0	171.2	164.2	163.5
150°	295.7	275.9	254.2	231.2	208.9	188.4	173.1	161.6	155.9	155.2
152.5°	263.2	247.8	229.9	211.4	192.3	176.3	162.2	153.9	149.5	148.8
155°	235.1	222.9	208.2	192.3	177.6	164.8	153.9	147.5	143.7	143.7
157.5°	211.4	201.2	190.3	177.6	165.4	155.2	147.5	141.8	138.6	138.6
160°	191.0	182.0	173.7	164.2	155.9	147.5	141.8	137.3	134.8	134.8
162.5°	173.7	167.3	161.0	153.9	146.9	141.8	136.7	133.5	132.2	131.6
165°	159.7	155.9	150.7	145.6	141.2	136.7	133.5	131.6	130.3	130.3
167.5°	148.8	146.3	142.4	139.2	136.1	132.9	130.9	129.7	129.0	129.0
170°	140.5	138.6	136.1	134.1	132.2	130.3	129.0	128.4	127.7	127.7
172.5°	134.1	132.2	130.9	130.3	129.0	128.4	127.7	127.1	127.1	127.1
175°	129.7	128.4	128.4	127.7	127.1	127.1	126.5	126.5	126.5	127.1
177.5°	126.5	126.5	126.5	126.5	126.5	127.1	127.1	127.1	127.7	127.7
180°	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4

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: SP1-2501-332-3

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

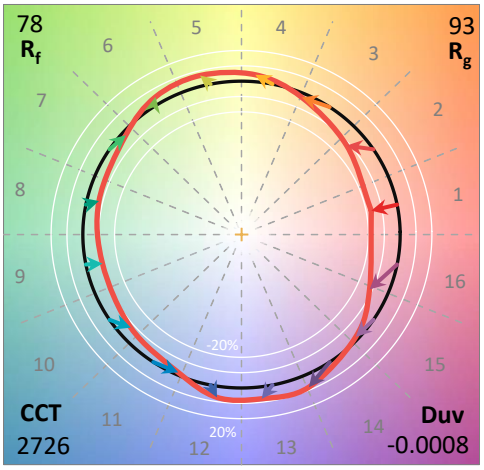
Test Information

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

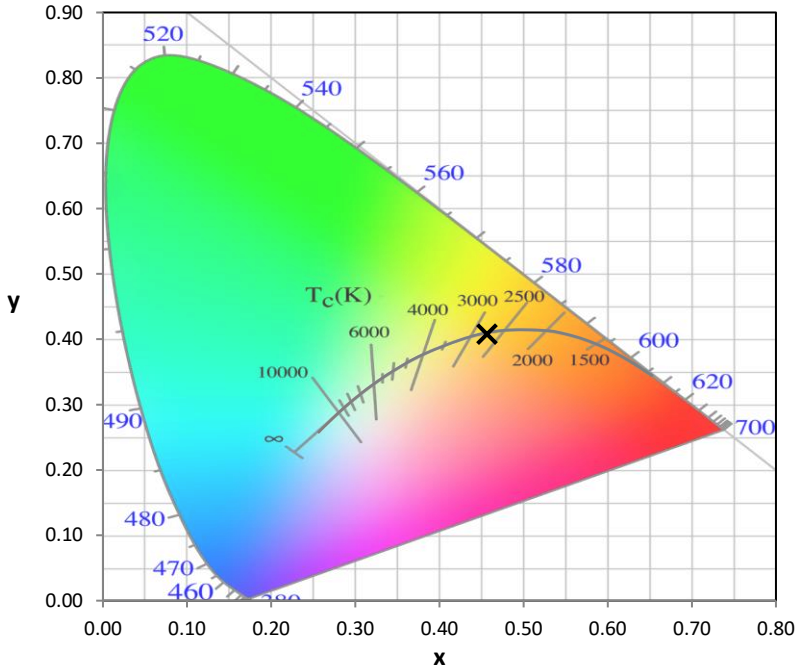
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

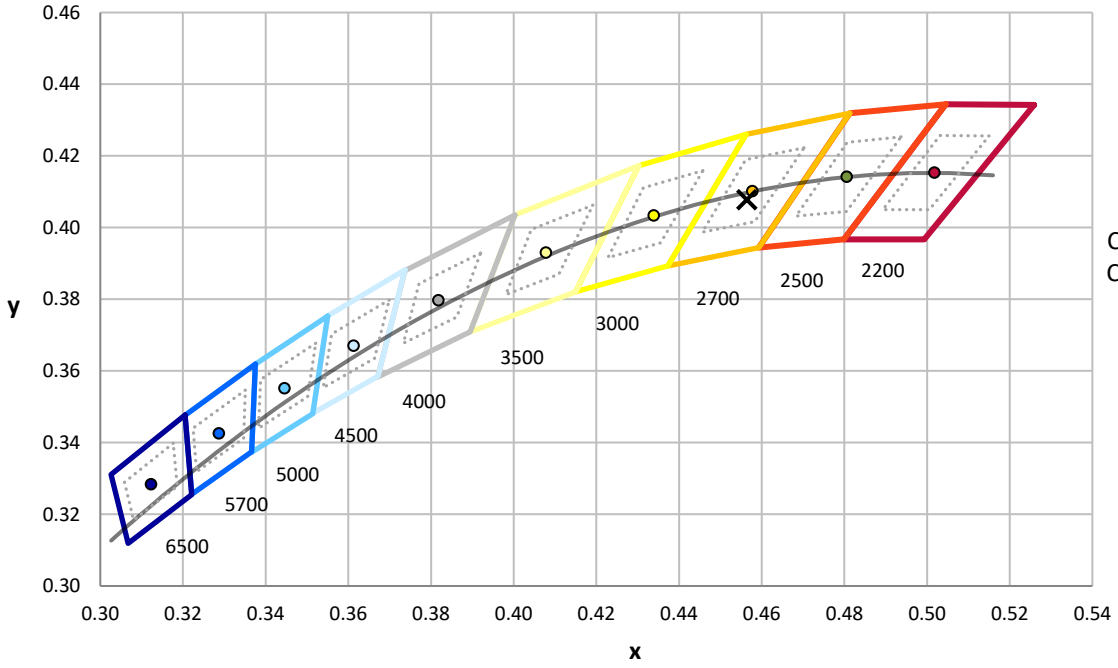
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

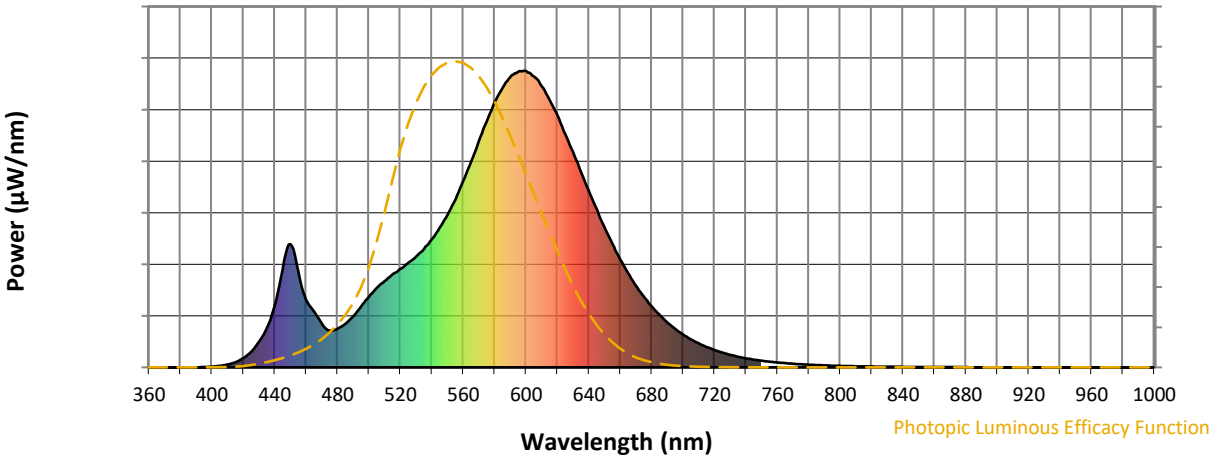


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

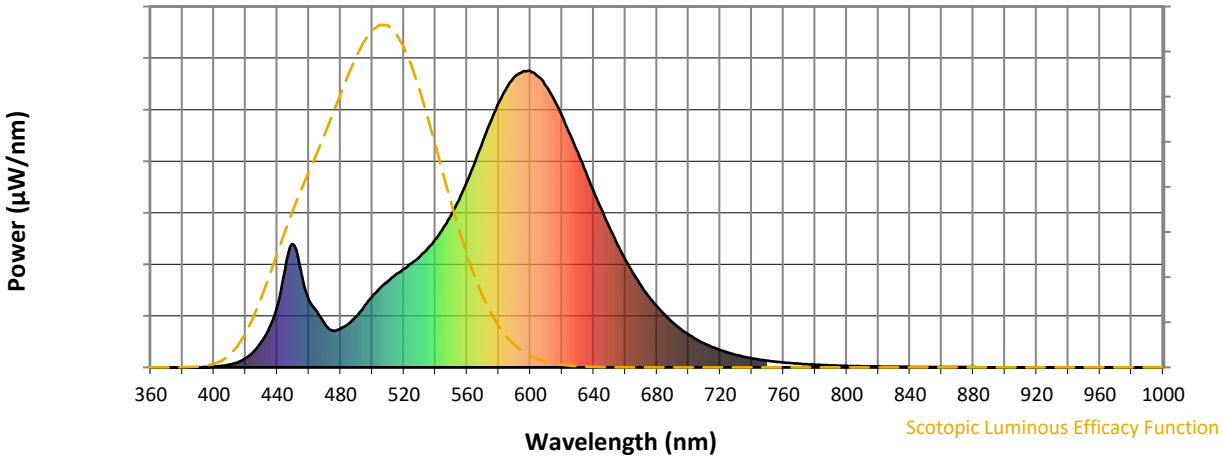


Photopic Lumens: NR

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

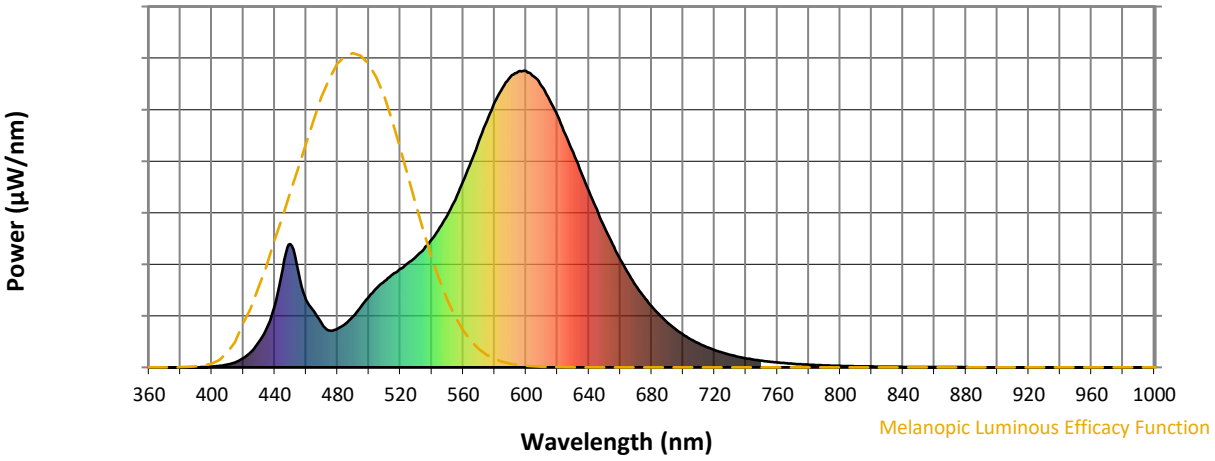


Scotopic Lumens: NR **S/P: 1.16**

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			

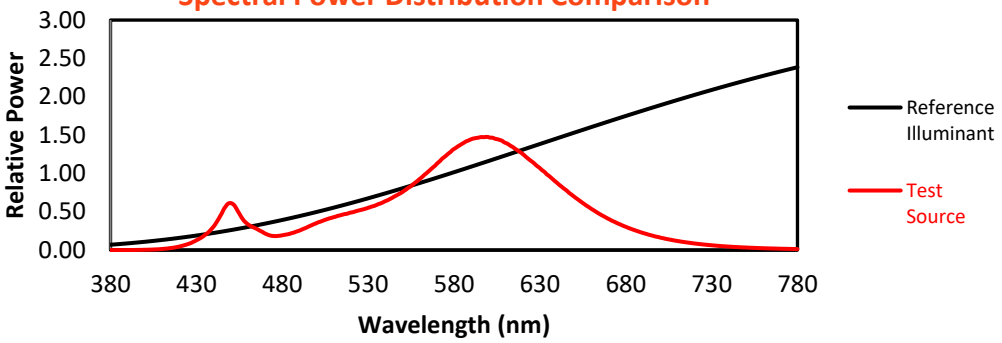
REPORT NUMBER: SP1-2501-332-3

TM-30-18

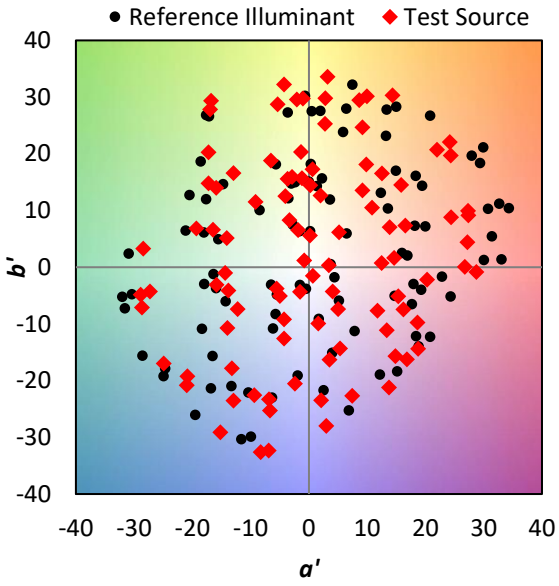
Summary

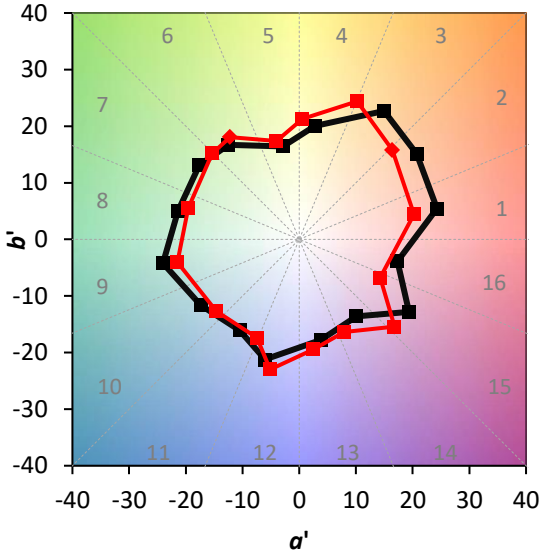
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

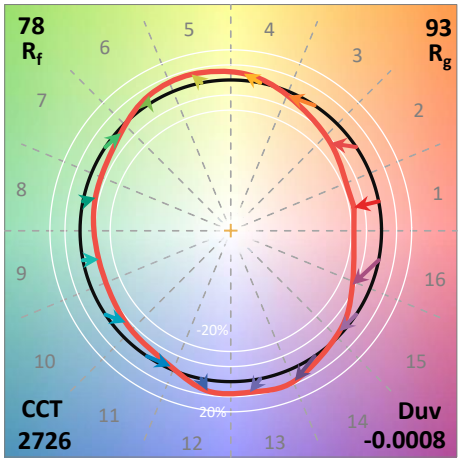
Spectral Power Distribution Comparison

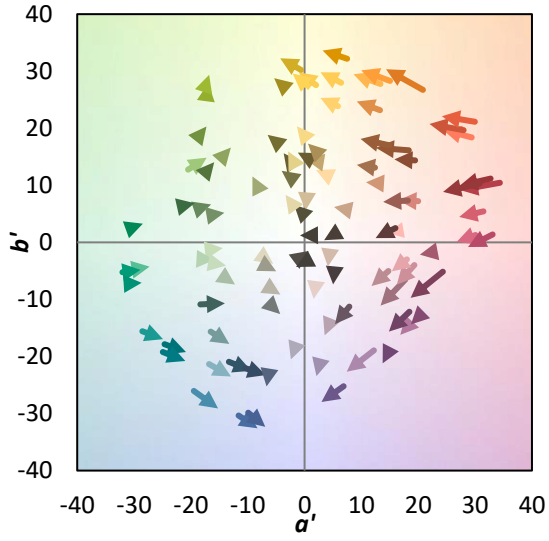


Color Vector Graphics







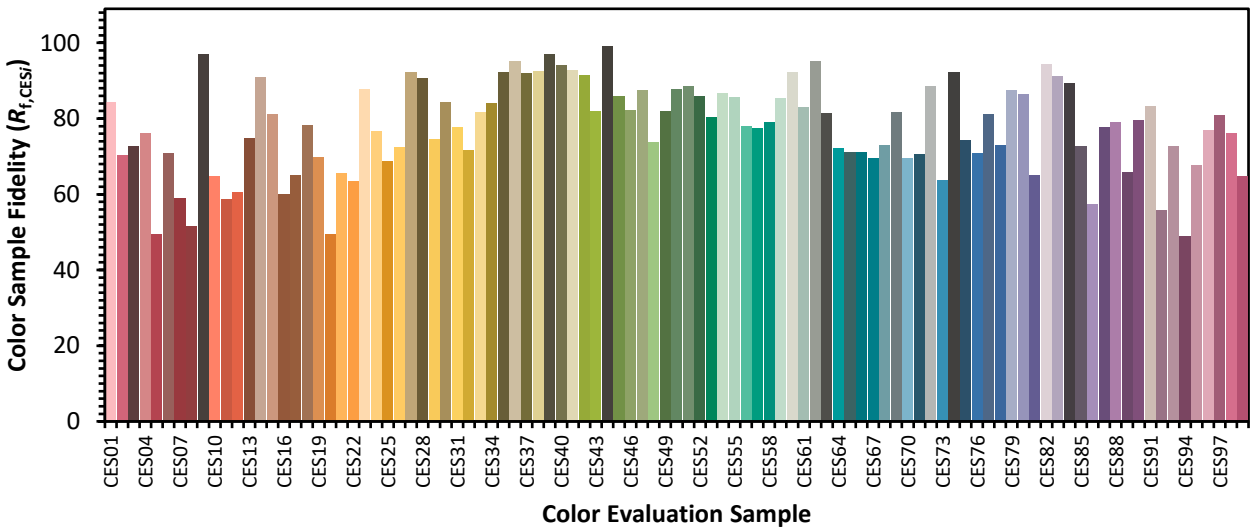


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

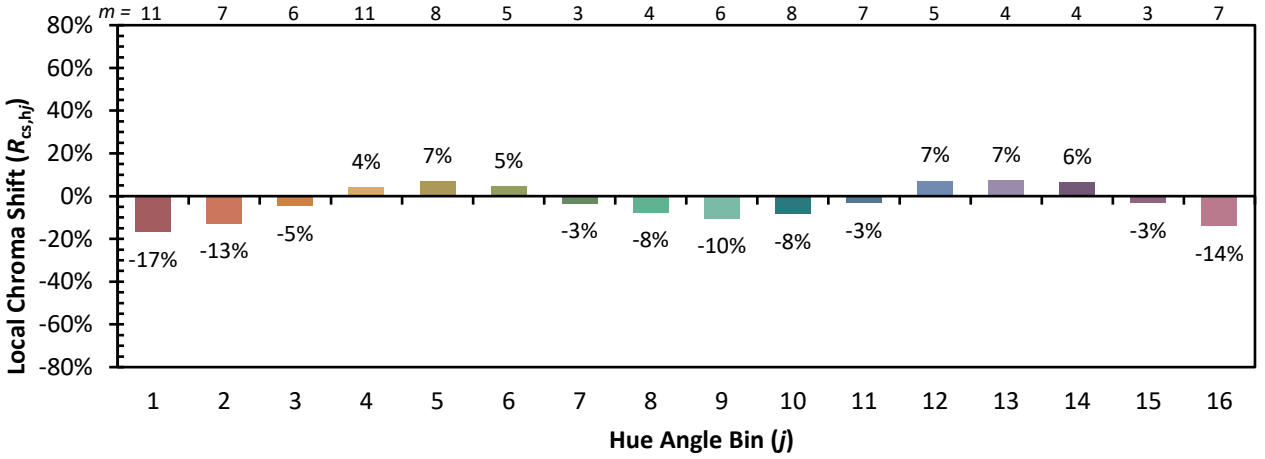
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57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

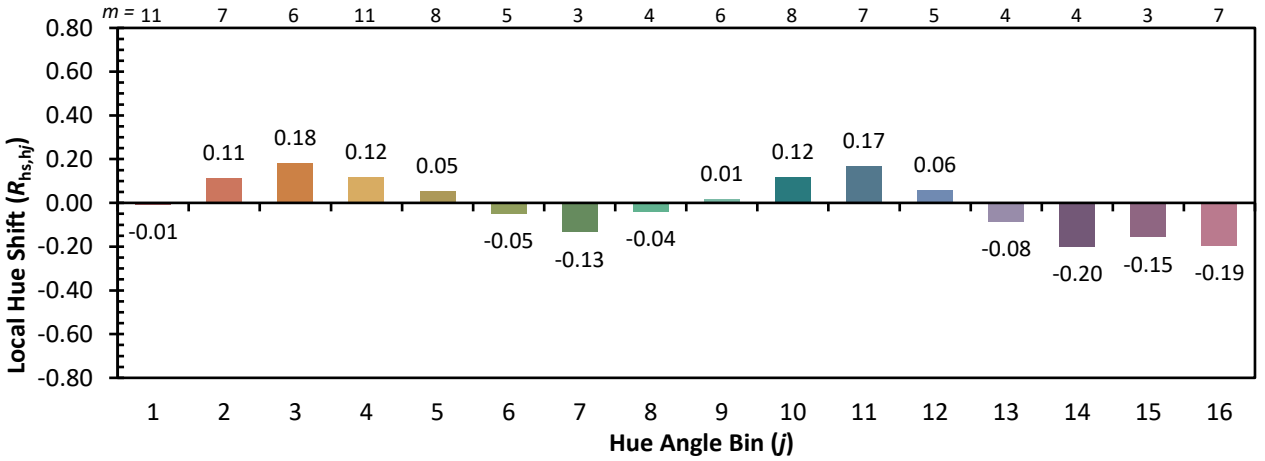


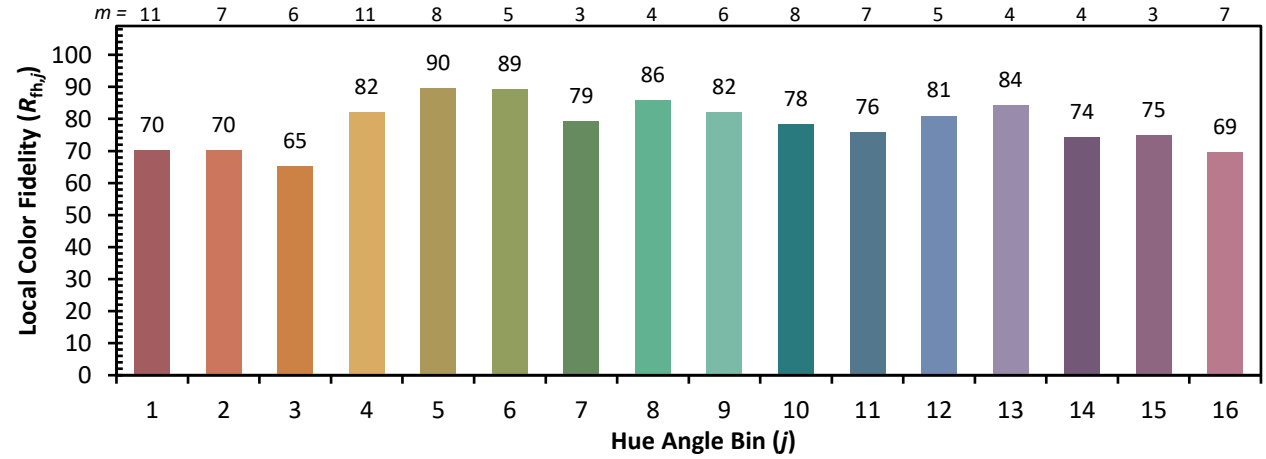
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Color Rendition by Hue-Angle Bin



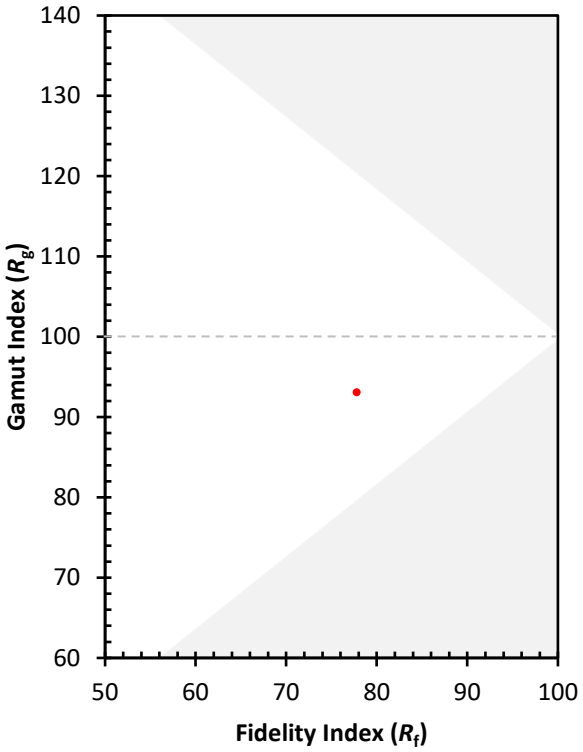


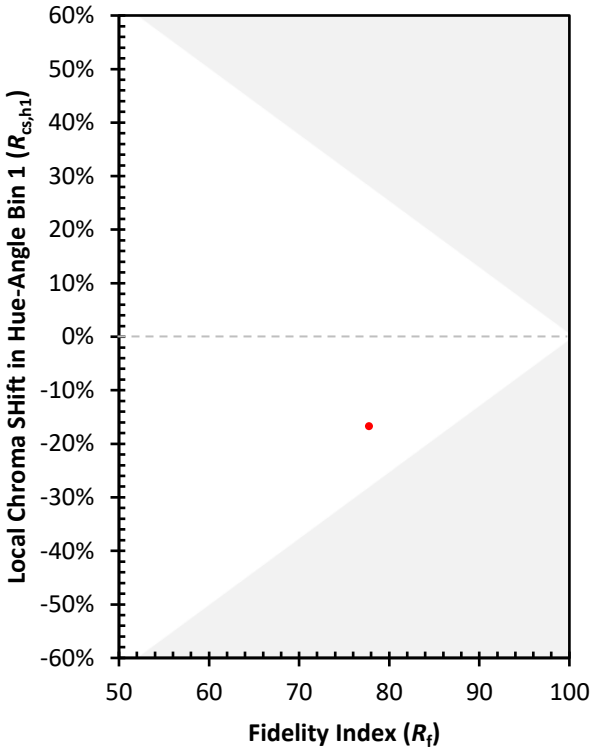


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Measure Comparisons





(END OF REPORT)