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: P1223890

Luminaire Tested: **FFX-CLB-70-727-U-VM9-T4**

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:	P1223890
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-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:	10062.2 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

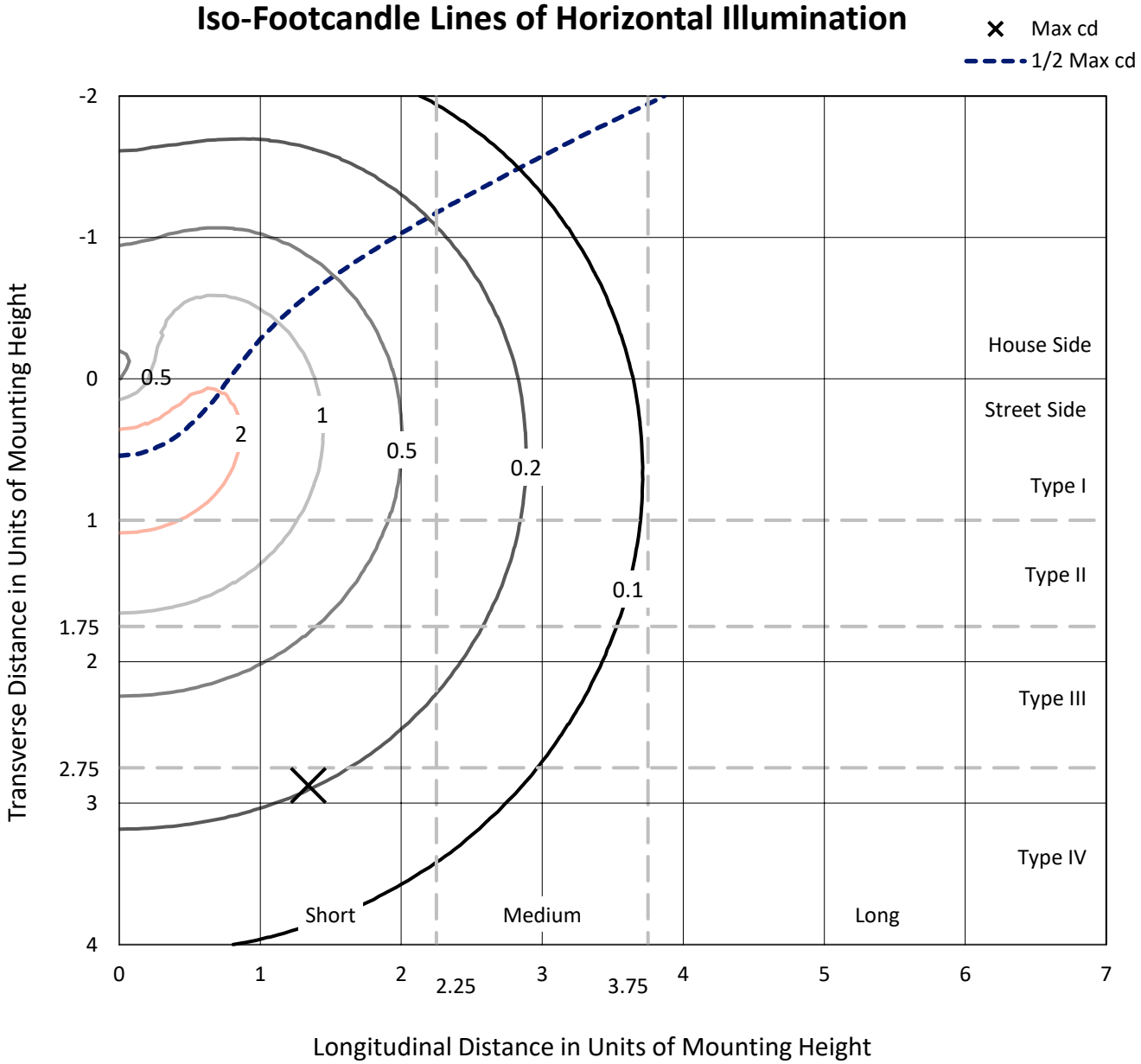


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Iso-Footcandle Lines of Horizontal Illumination



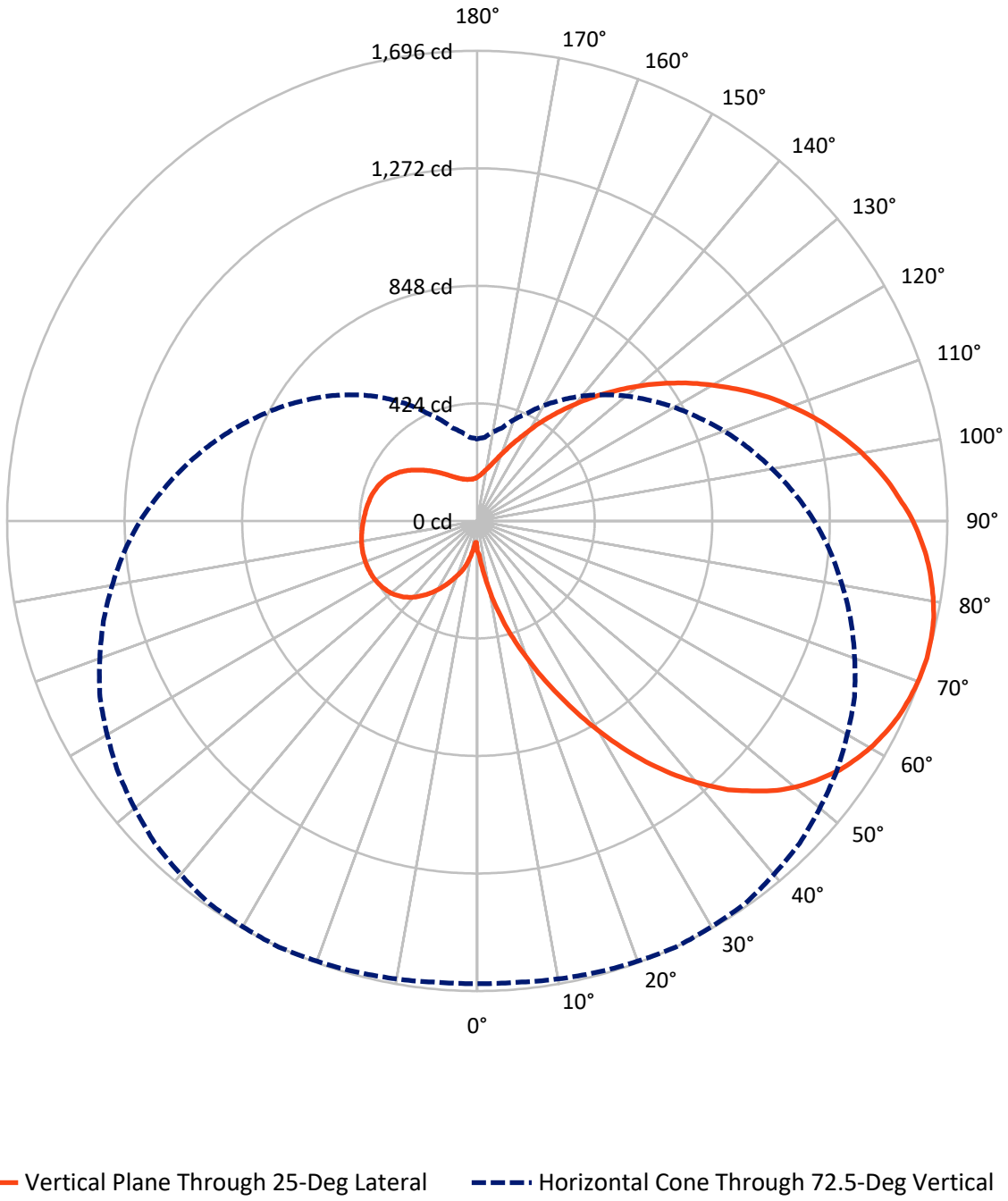
Based on 15 foot mounting height. Maximum calculated value = 2.7 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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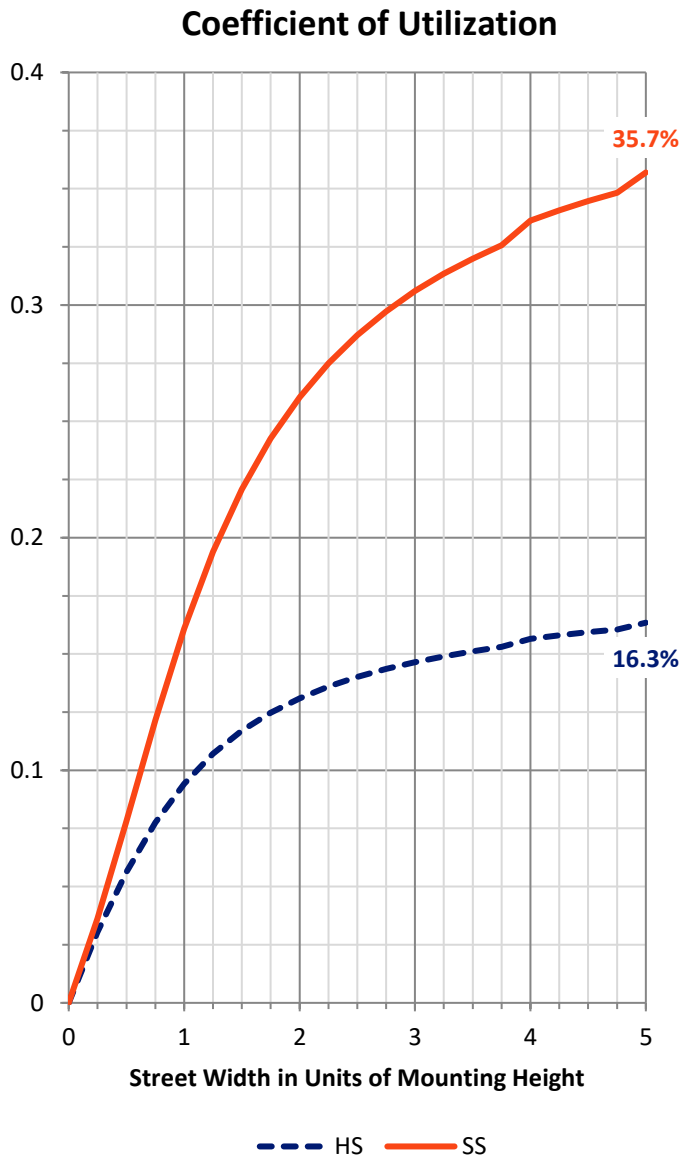
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1812.9	1387.3	3200.3
	% Fixture	18.0	13.8	31.8
Street Side	Lumens	4100.3	2761.7	6862.0
	% Fixture	40.7	27.4	68.2
Total	Lumens	5913.2	4149.0	10062.2
	% Fixture	58.8	41.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.2	0.1
10°-20°	85.4	0.8
20°-30°	232.7	2.3
30°-40°	461.1	4.6
40°-50°	719.9	7.2
50°-60°	943.6	9.4
60°-70°	1101.1	10.9
70°-80°	1181.5	11.7
80°-90°	1173.7	11.7
90°-100°	1088.9	10.8
100°-110°	948.2	9.4
110°-120°	767.2	7.6
120°-130°	564.8	5.6
130°-140°	373.5	3.7
140°-150°	221.0	2.2
150°-160°	116.2	1.2
160°-170°	53.8	0.5
170°-180°	15.5	0.2
0°-90°	5913.2	58.8
0°-180°	10062.2	100.0



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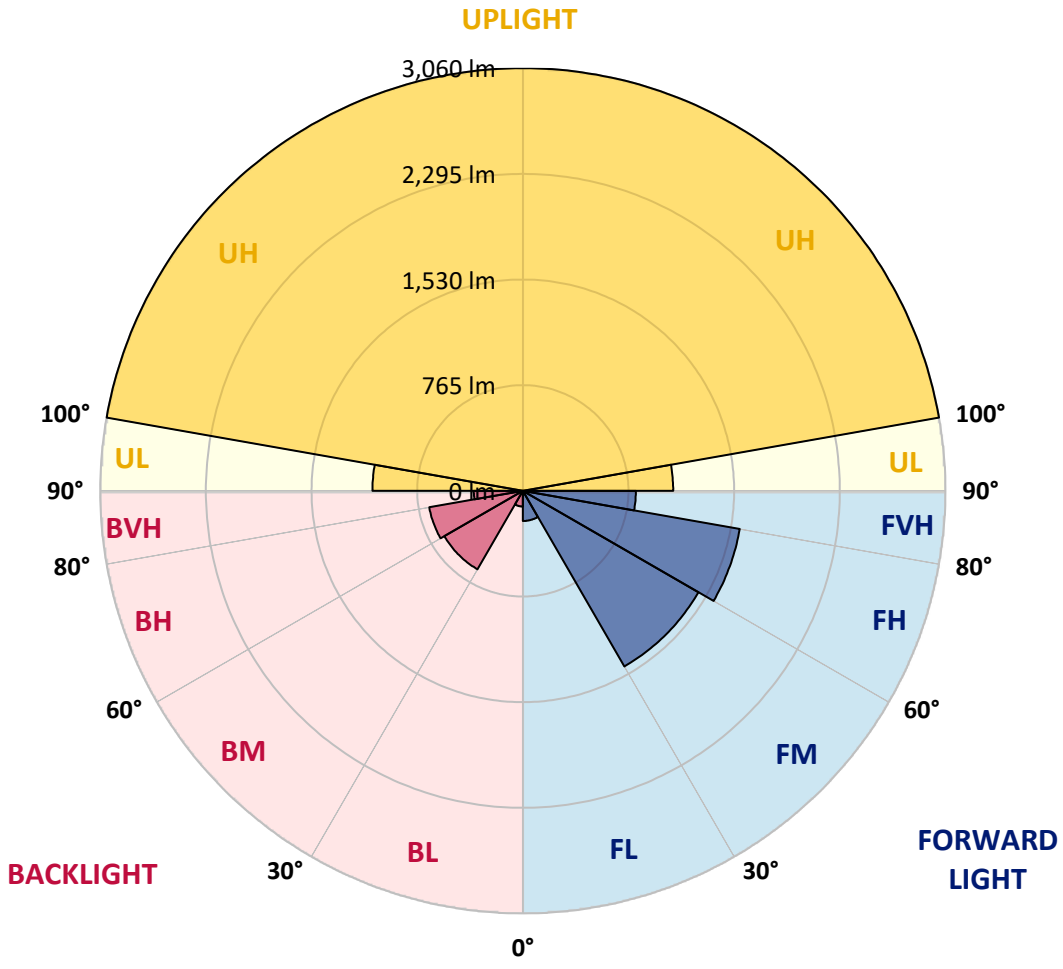
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	218.5	2.2			
FM	(30°-60°)	1468.6	14.6			
FH	(60°-80°)	1594.9	15.9			G1/1800
FVH	(80°-90°)	818.2	8.1			G5
BL	(0°-30°)	113.8	1.1	B1/500		
BM	(30°-60°)	656.1	6.5	B1/1000		
BH	(60°-80°)	687.6	6.8	B2/1000		G2/1000
BVH	(80°-90°)	355.4	3.5			G3/500
UL	(90°-100°)	1088.9	10.8		U5	
UH	(100°-180°)	3060.1	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°	109.3	109.3	109.3	*109.3*	109.3	109.3	109.3	109.3	109.3	109.3	109.3
2.5°	117.5	117.5	119.5	*120.2*	120.8	120.8	121.5	120.8	118.1	114.7	112.7
5°	160.2	158.9	158.2	*158.9*	158.9	156.1	152.1	144.6	139.2	130.4	127.0
7.5°	214.5	213.2	211.1	*209.1*	209.1	202.3	195.5	189.4	179.9	167.7	163.6
10°	277.7	275.0	272.2	*268.2*	263.4	257.3	248.5	238.3	225.4	212.5	204.4
12.5°	339.5	338.8	337.4	*331.3*	322.5	317.0	307.5	293.3	277.0	259.3	252.6
15°	410.7	407.3	405.3	*400.6*	395.1	384.3	368.6	355.1	336.1	311.6	303.5
17.5°	476.6	475.2	471.2	*469.8*	461.0	449.4	431.8	411.4	388.3	365.9	353.7
20°	548.6	552.0	547.2	*543.1*	527.5	516.0	499.7	480.0	452.2	420.2	407.3
22.5°	628.7	632.1	624.6	*624.6*	611.7	592.7	569.6	546.5	511.9	478.6	462.3
25°	721.7	723.0	711.5	*706.7*	697.2	678.2	650.4	623.2	583.2	541.1	522.1
27.5°	809.9	812.7	805.9	*799.8*	784.1	765.8	735.3	703.3	657.9	607.6	586.6
30°	909.7	904.3	901.6	*890.7*	874.4	855.4	821.5	786.2	733.9	674.8	649.0
32.5°	998.0	993.9	996.0	*987.1*	963.4	942.3	910.4	867.6	806.5	744.8	715.6
35°	1089.0	1091.0	1088.3	*1078.8*	1064.5	1036.7	993.2	945.0	883.9	811.3	780.1
37.5°	1182.0	1177.2	1173.8	*1165.7*	1151.4	1120.2	1077.4	1023.1	952.5	875.8	841.2
40°	1262.1	1265.5	1261.4	*1247.8*	1234.9	1200.3	1153.5	1091.7	1019.0	936.9	896.8
42.5°	1338.1	1336.8	1333.4	*1325.9*	1308.3	1271.6	1225.4	1162.3	1080.1	989.2	947.1
45°	1399.2	1400.6	1400.6	*1389.7*	1373.4	1340.2	1287.2	1222.7	1135.1	1039.4	995.3
47.5°	1457.6	1459.6	1458.3	*1453.5*	1435.9	1396.5	1342.9	1276.3	1183.3	1084.9	1035.3
50°	1509.2	1509.2	1508.5	*1504.5*	1487.5	1449.5	1394.5	1323.2	1226.8	1122.9	1074.0
52.5°	1552.0	1551.3	1552.0	*1547.2*	1529.6	1495.0	1437.9	1361.9	1265.5	1154.8	1107.3
55°	1585.9	1583.9	1588.6	*1586.6*	1571.0	1532.3	1471.9	1397.9	1298.1	1185.4	1135.1
57.5°	1613.1	1612.4	1618.5	*1616.5*	1600.9	1562.2	1502.4	1427.1	1325.2	1210.5	1155.5
60°	1635.5	1634.1	1642.3	*1642.3*	1626.7	1588.0	1528.9	1449.5	1347.0	1230.2	1174.5
62.5°	1651.1	1651.8	1659.2	*1662.0*	1648.4	1609.0	1547.2	1469.2	1364.6	1245.8	1189.4
65°	1662.0	1663.3	1672.1	*1677.6*	1664.0	1625.3	1561.5	1483.4	1378.9	1258.7	1201.0
67.5°	1668.8	1669.4	1681.7	*1687.1*	1676.2	1635.5	1573.7	1493.6	1388.4	1266.8	1209.8
70°	1671.5	1672.1	1685.7	*1693.9*	1683.0	1641.6	1579.1	1499.0	1394.5	1272.3	1214.6
72.5°	*1669.4*	*1670.8*	*1685.0*	*1695.9*	*1685.0*	*1644.3*	*1581.2*	*1501.7*	*1395.8*	*1278.4*	*1215.9*
75°	1662.6	1664.0	1680.3	*1691.2*	1683.0	1640.9	1577.8	1499.0	1393.8	1272.9	1213.9
77.5°	1651.1	1653.1	1670.1	*1683.7*	1674.2	1634.1	1571.0	1491.6	1386.3	1266.2	1206.4
80°	1634.1	1634.8	1653.8	*1667.4*	1660.6	1620.5	1557.4	1478.7	1374.1	1254.6	1196.2
82.5°	1612.4	1615.1	1633.4	*1648.4*	1642.3	1600.9	1539.8	1462.4	1358.5	1240.4	1181.3
85°	1589.3	1592.0	1609.0	*1625.3*	1617.8	1579.1	1518.0	1441.3	1337.4	1220.7	1164.3
87.5°	1561.5	1563.5	1579.8	*1596.8*	1590.0	1551.3	1492.2	1416.9	1315.7	1202.3	1144.6
90°	1530.9	1533.0	1548.6	*1564.9*	1556.1	1519.4	1461.7	1387.7	1289.2	1177.9	1122.2
92.5°	1498.3	1499.0	1516.7	*1525.5*	1520.8	1488.2	1431.1	1359.8	1261.4	1152.8	1100.5
95°	1461.7	1461.7	1478.7	*1488.2*	1480.0	1449.5	1395.8	1324.5	1228.8	1127.0	1073.4
97.5°	1421.6	1423.0	1435.9	*1445.4*	1442.7	1410.8	1359.8	1292.0	1200.3	1099.1	1048.2
100°	1380.2	1380.2	1391.8	*1399.9*	1393.8	1368.0	1319.8	1257.3	1164.3	1069.3	1019.7
102.5°	1336.8	1336.1	1345.6	*1351.7*	1347.6	1323.9	1279.1	1217.3	1130.4	1038.0	991.2
105°	1288.6	1286.5	1296.0	*1302.8*	1298.7	1277.7	1239.7	1179.9	1095.8	1007.5	962.7
107.5°	1237.0	1240.4	1245.8	*1249.9*	1246.5	1228.1	1192.2	1139.2	1059.8	975.6	932.1
110°	1188.1	1190.1	1190.8	*1195.6*	1194.9	1179.9	1149.4	1096.4	1021.1	941.6	899.6

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REPORT NUMBER: P1223890
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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1138.5	1137.8	1138.5	*1141.9*	1141.9	1127.0	1097.8	1051.6	983.1	905.7	867.0
115°	1084.9	1082.2	1082.9	*1083.5*	1086.3	1074.7	1049.6	1006.1	938.9	870.4	832.3
117.5°	1029.2	1028.5	1027.2	*1025.1*	1025.1	1020.4	998.7	960.0	896.2	828.3	796.4
120°	976.3	973.6	970.2	*968.1*	969.5	964.0	946.4	907.7	851.3	790.2	758.3
122.5°	915.2	917.2	915.2	*912.5*	913.1	907.7	892.8	860.2	803.8	745.4	716.9
125°	862.9	862.2	859.5	*855.4*	855.4	853.4	837.1	808.6	758.3	702.7	676.2
127.5°	804.5	805.2	802.5	*800.4*	801.8	797.7	786.9	754.3	710.1	660.6	634.8
130°	749.5	748.8	748.2	*744.1*	747.5	740.0	730.5	703.3	661.3	619.2	595.4
132.5°	697.9	693.8	691.1	*690.4*	689.8	689.1	677.5	653.8	618.5	576.4	553.3
135°	646.3	642.9	639.5	*638.2*	639.5	636.1	626.0	606.3	573.7	532.9	515.3
137.5°	593.4	592.0	592.0	*588.6*	588.6	585.9	577.1	560.8	530.2	494.9	477.3
140°	545.8	543.1	541.8	*539.7*	541.8	539.1	529.5	513.9	488.1	457.6	440.6
142.5°	497.0	494.2	496.3	*494.2*	492.2	490.8	482.7	470.5	448.1	420.2	406.0
145°	451.5	451.5	450.1	*450.8*	449.4	448.1	439.9	428.4	409.4	383.6	373.4
147.5°	408.7	410.1	408.7	*410.1*	410.1	404.6	399.2	389.7	372.0	351.7	340.8
150°	368.6	370.7	369.3	*368.6*	369.3	366.6	359.1	353.7	338.1	320.4	309.6
152.5°	334.7	336.1	336.1	*334.7*	334.0	332.7	325.2	317.7	305.5	291.9	284.5
155°	302.8	302.8	303.5	*304.2*	302.1	298.0	295.3	289.2	278.4	266.1	258.7
157.5°	276.3	275.6	276.3	*275.6*	275.0	270.9	266.8	262.1	253.2	242.4	238.3
160°	251.2	251.2	251.9	*251.2*	248.5	246.4	243.0	239.0	231.5	224.0	218.6
162.5°	230.8	230.8	230.8	*230.1*	227.4	226.8	222.7	218.6	212.5	206.4	202.3
165°	213.2	213.2	212.5	*212.5*	211.1	209.1	205.7	202.3	196.9	192.1	189.4
167.5°	198.9	198.2	197.6	*196.9*	196.2	194.2	190.8	188.7	184.7	180.6	178.6
170°	186.7	186.7	186.0	*186.0*	184.7	182.6	180.6	177.9	175.2	171.1	169.7
172.5°	175.8	175.8	175.8	*175.8*	173.8	173.1	171.1	169.0	167.0	164.3	162.9
175°	167.7	167.7	167.7	*167.7*	166.3	165.0	164.3	162.3	160.9	158.9	158.2
177.5°	161.6	161.6	161.6	*161.6*	160.9	159.5	158.9	157.5	156.1	155.5	154.8
180°	156.1	156.1	156.1	*156.1*	156.1	156.1	156.1	156.1	156.1	156.1	156.1

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	109.3	109.3	109.3	109.3	109.3	109.3	109.3	109.3	109.3	109.3
2.5°	110.7	106.6	101.2	95.0	90.3	84.2	78.1	74.7	72.6	71.3
5°	123.6	114.7	106.6	97.8	91.0	84.9	78.1	72.6	69.9	69.2
7.5°	157.5	145.3	133.1	122.2	112.7	103.2	96.4	91.0	87.6	87.6
10°	198.2	181.3	167.0	152.8	139.9	128.3	118.8	113.4	109.3	107.9
12.5°	244.4	224.0	204.4	188.1	169.0	156.1	144.6	137.1	132.4	131.7
15°	292.6	271.6	246.4	224.0	203.0	182.6	169.0	158.2	154.1	154.1
17.5°	338.8	311.6	283.8	256.6	230.8	207.1	188.1	175.8	169.7	168.4
20°	388.3	355.7	319.8	287.9	255.9	228.1	205.7	190.1	181.9	181.3
22.5°	439.3	401.2	362.5	320.4	283.8	250.5	224.0	205.7	195.5	194.2
25°	497.6	451.5	405.3	359.1	315.0	275.6	244.4	222.0	210.5	209.1
27.5°	562.1	504.4	449.4	396.5	344.9	301.4	264.1	238.3	224.0	223.4
30°	621.2	557.4	494.9	433.8	377.5	325.2	283.8	253.9	238.3	236.3
32.5°	680.3	609.7	539.1	471.8	406.7	350.3	303.5	268.8	250.5	249.2
35°	741.4	661.3	584.5	507.1	439.3	375.4	321.8	283.8	264.1	261.4
37.5°	798.4	712.2	628.0	545.8	467.8	398.5	339.5	298.0	275.6	272.2
40°	850.7	757.7	667.4	579.1	494.9	420.2	356.4	310.3	285.1	282.4
42.5°	898.9	800.4	703.3	608.3	520.0	439.3	370.7	320.4	292.6	289.9
45°	944.4	840.5	736.6	635.5	541.8	456.9	384.3	329.9	300.1	296.0
47.5°	983.1	874.4	763.1	658.5	561.5	471.8	394.4	336.7	305.5	301.4
50°	1017.7	902.9	788.2	680.9	578.4	485.4	403.9	342.2	308.2	304.2
52.5°	1045.5	929.4	809.9	698.6	594.0	496.3	410.7	346.9	310.9	306.9
55°	1072.7	951.1	828.9	714.2	605.6	506.5	416.2	349.6	312.3	307.5
57.5°	1095.1	969.5	844.6	726.4	617.1	513.3	420.9	351.0	312.3	306.9
60°	1111.4	983.7	856.8	736.6	624.6	519.4	424.3	351.7	311.6	306.2
62.5°	1125.6	995.3	865.6	745.4	632.1	524.1	427.7	352.4	310.3	304.8
65°	1136.5	1004.8	873.1	750.9	636.8	528.2	428.4	351.7	308.2	302.8
67.5°	1145.3	1010.9	877.8	755.6	640.2	530.2	429.7	351.0	306.9	300.8
70°	1148.7	1013.6	880.5	757.7	642.2	531.6	429.7	349.6	304.2	298.0
72.5°	*1148.0*	*1013.6*	*881.2*	*758.3*	*642.9*	*532.3*	*429.1*	*347.6*	*302.1*	*296.0*
75°	1146.0	1011.6	879.9	757.7	642.2	531.6	428.4	346.2	300.1	294.6
77.5°	1140.6	1006.1	875.1	754.9	640.9	529.5	426.4	344.9	298.7	291.9
80°	1131.1	998.0	868.3	748.8	636.1	527.5	424.3	342.2	296.0	290.6
82.5°	1117.5	987.8	860.2	743.4	632.1	523.4	421.6	340.8	294.6	289.2
85°	1101.9	974.9	849.3	735.3	626.0	519.4	418.2	338.1	293.3	287.9
87.5°	1082.9	957.9	838.4	725.8	618.5	513.9	414.8	336.1	292.6	287.2
90°	1063.2	942.3	824.9	716.9	612.4	508.5	411.4	334.7	291.9	287.2
92.5°	1041.4	925.3	812.0	705.4	604.2	503.1	408.0	333.3	291.9	287.2
95°	1019.7	907.7	799.1	695.2	596.1	497.6	404.6	332.7	293.3	288.5
97.5°	993.9	887.3	783.5	684.3	586.6	491.5	401.9	332.0	294.0	289.9
100°	969.5	867.0	767.2	672.1	577.7	484.7	397.8	331.3	295.3	290.6
102.5°	943.0	847.3	750.9	659.2	568.2	477.3	394.4	330.6	296.7	292.6
105°	916.5	823.5	733.2	644.3	556.7	469.8	390.4	329.9	297.4	293.3
107.5°	887.3	801.1	713.5	630.0	545.2	461.7	384.9	328.6	298.0	294.0
110°	857.5	774.6	693.2	613.7	531.6	451.5	379.5	325.2	297.4	294.0

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

Scaled Data Report

REPORT NUMBER: P1223890
CATALOG NUMBER: FFX-CLB-70-727-U-VM9-T4

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	828.9	749.5	670.8	595.4	517.3	441.3	372.0	321.8	295.3	292.6
115°	793.6	721.0	647.0	575.7	501.0	428.4	363.9	317.0	292.6	289.2
117.5°	761.1	691.1	621.9	554.7	484.1	415.5	354.4	310.9	287.9	285.1
120°	724.4	659.2	594.7	530.9	465.1	400.6	342.8	303.5	281.7	279.7
122.5°	688.4	628.0	566.9	506.5	444.7	383.6	331.3	294.0	275.0	272.9
125°	650.4	594.7	537.7	480.7	422.3	365.9	317.7	283.1	266.1	264.1
127.5°	611.7	560.1	506.5	453.5	400.6	348.3	303.5	272.2	255.9	255.3
130°	571.0	524.8	475.9	427.0	378.2	329.9	288.5	260.7	245.8	244.4
132.5°	534.3	491.5	446.0	399.9	353.7	311.6	274.3	248.5	235.6	234.2
135°	498.3	455.5	416.2	375.4	332.7	293.3	260.0	236.9	225.4	224.0
137.5°	461.7	424.3	387.7	349.6	310.9	275.6	246.4	226.1	215.9	214.5
140°	425.0	393.8	360.5	324.5	291.3	259.3	232.9	215.9	206.4	205.0
142.5°	391.7	361.9	332.0	300.8	270.9	243.7	220.6	204.4	196.2	195.5
145°	359.1	333.3	306.2	278.4	252.6	230.1	209.1	195.5	188.7	188.1
147.5°	329.9	306.9	282.4	258.7	236.3	215.2	198.2	186.7	179.9	179.2
150°	300.8	280.4	260.0	239.7	220.6	203.0	188.1	178.6	173.8	172.4
152.5°	275.0	258.7	240.3	223.4	206.4	191.5	179.9	171.1	167.0	166.3
155°	251.9	238.3	223.4	208.4	194.8	182.6	172.4	165.7	162.3	162.3
157.5°	232.2	220.6	208.4	196.2	185.3	175.2	167.0	161.6	158.9	158.2
160°	214.5	204.4	194.8	186.0	175.8	168.4	162.3	157.5	155.5	154.8
162.5°	198.2	191.5	184.0	176.5	169.0	162.9	158.2	154.8	153.4	153.4
165°	186.7	180.6	174.5	169.0	163.6	159.5	155.5	153.4	152.1	151.4
167.5°	176.5	171.8	167.7	163.6	159.5	156.1	153.4	152.1	150.7	150.7
170°	168.4	165.0	162.3	159.5	156.8	154.1	152.8	151.4	150.7	150.7
172.5°	161.6	159.5	157.5	156.1	154.1	152.8	151.4	150.7	150.7	150.7
175°	157.5	156.1	154.8	154.1	153.4	152.8	152.1	151.4	151.4	151.4
177.5°	154.8	154.1	154.1	153.4	153.4	153.4	153.4	153.4	153.4	153.4
180°	156.1	156.1	156.1	156.1	156.1	156.1	156.1	156.1	156.1	156.1

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

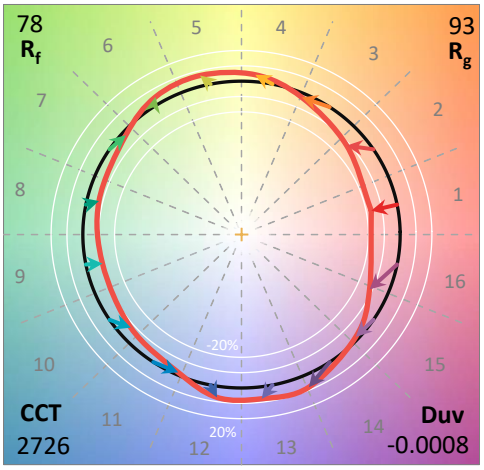
Test Information

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

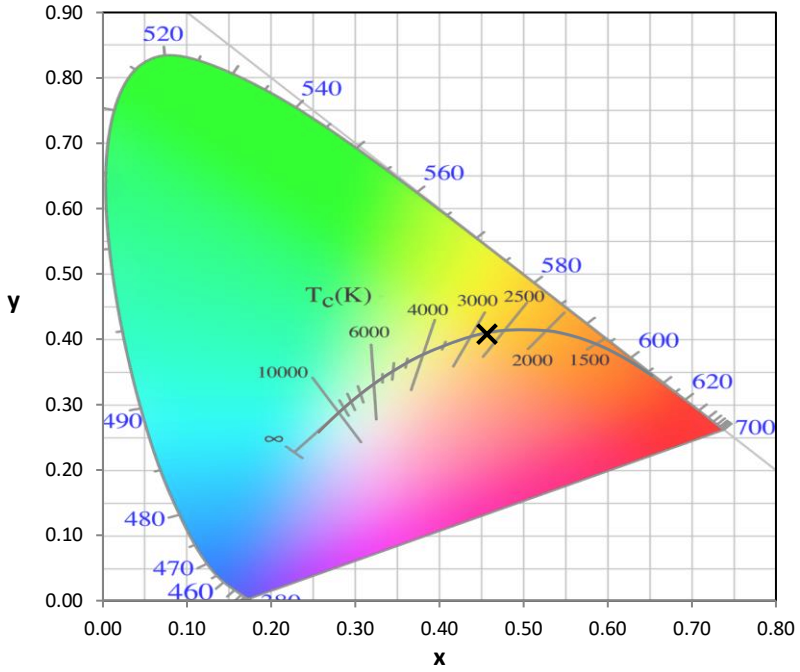
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

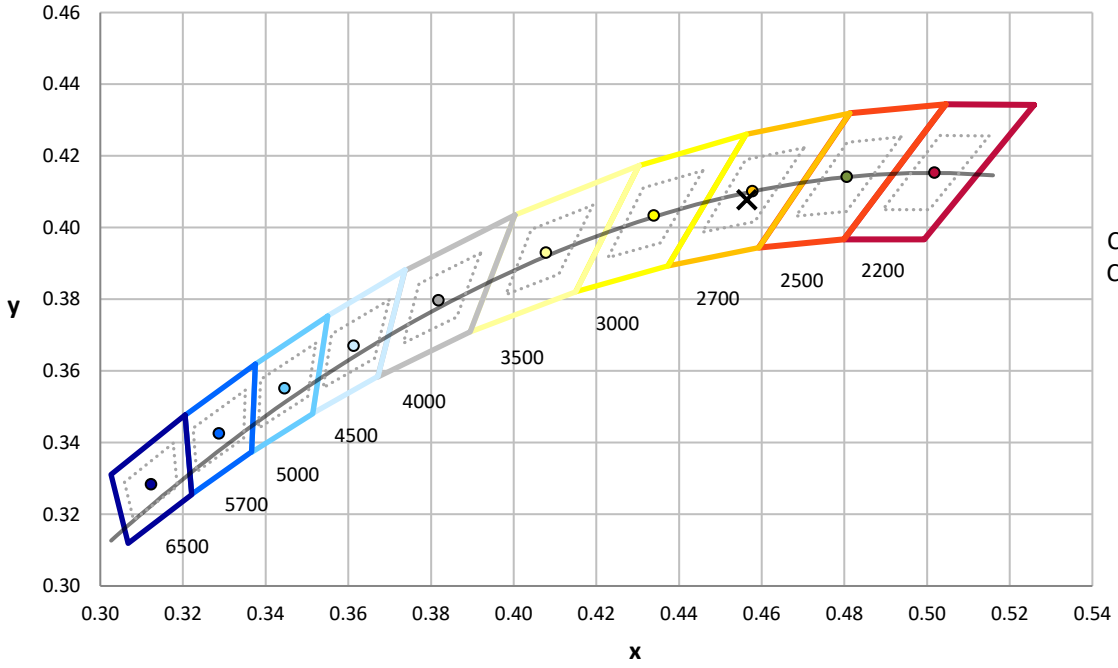
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

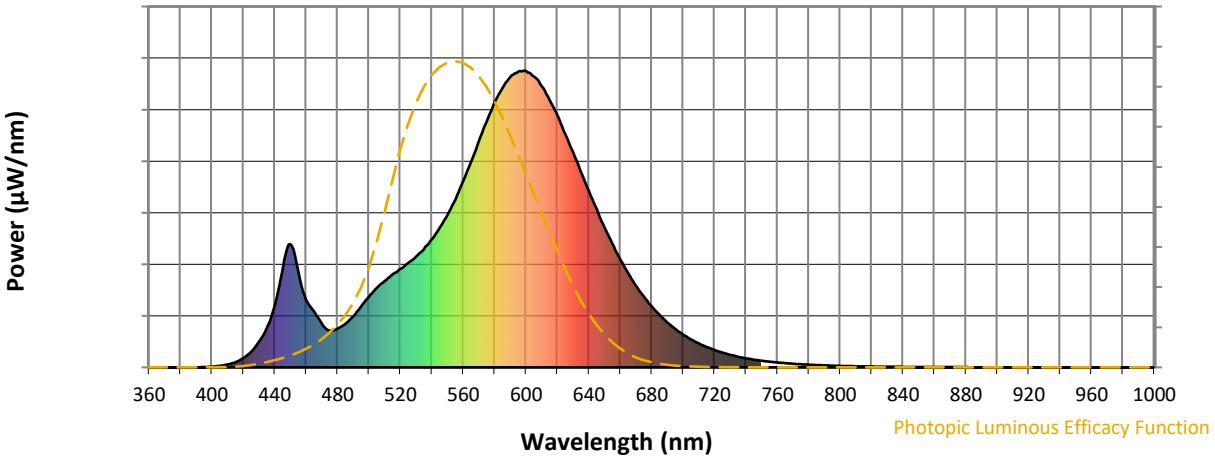


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

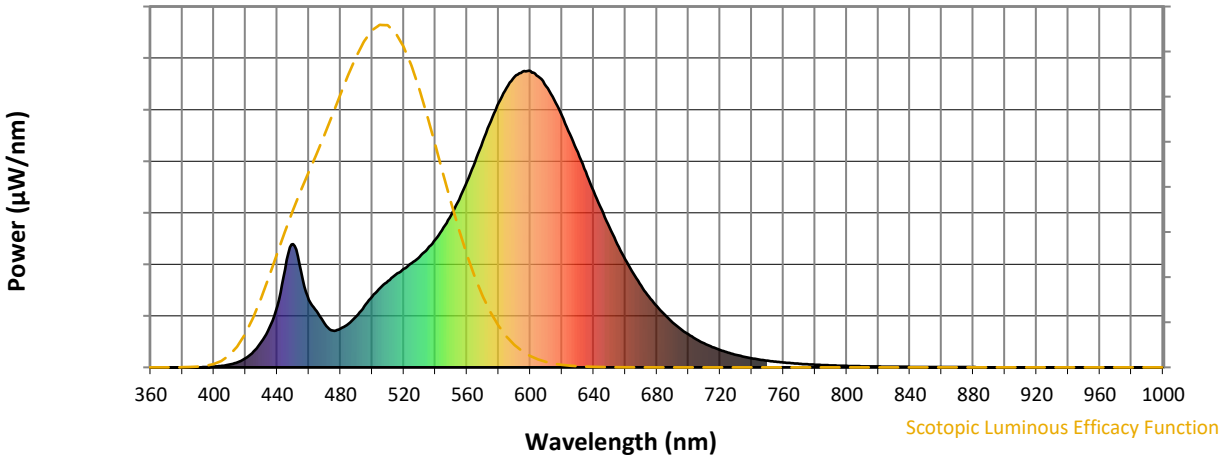


Photopic Lumens: NR

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

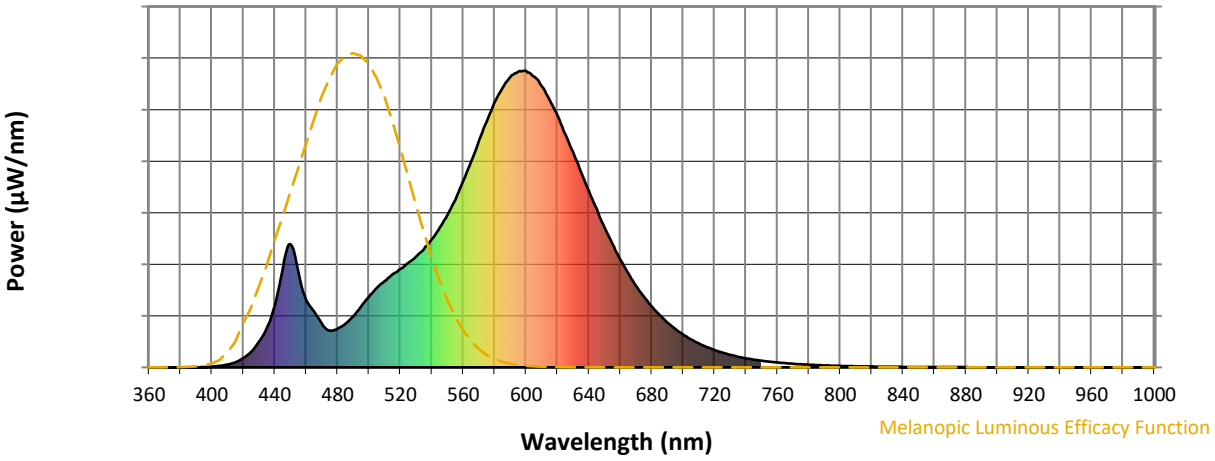


Scotopic Lumens: NR **S/P: 1.16**

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			

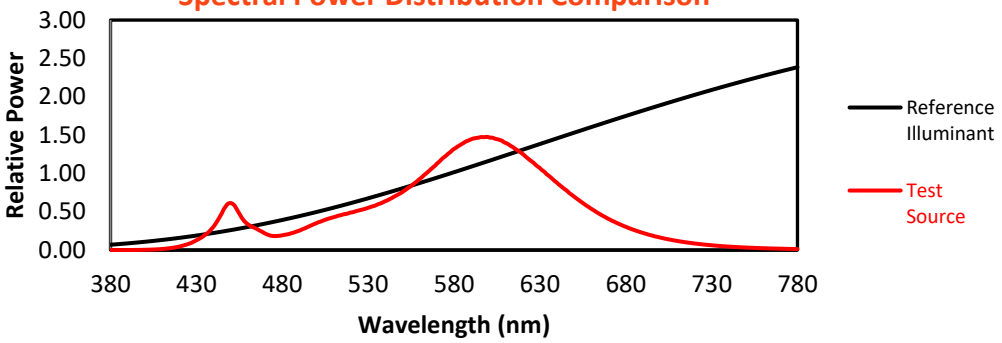
REPORT NUMBER: SP1-2501-332-3

TM-30-18

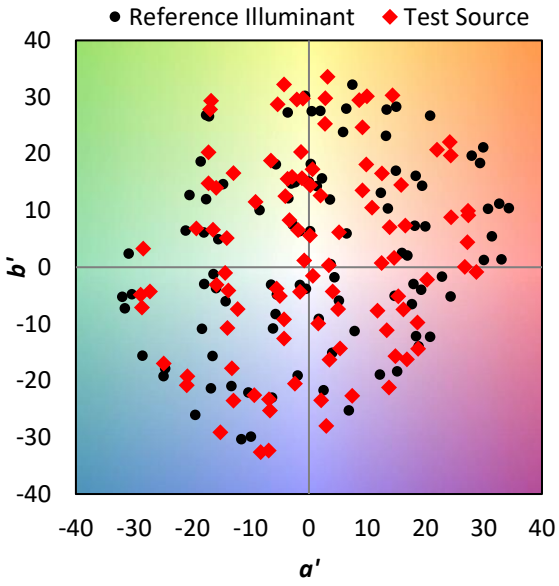
Summary

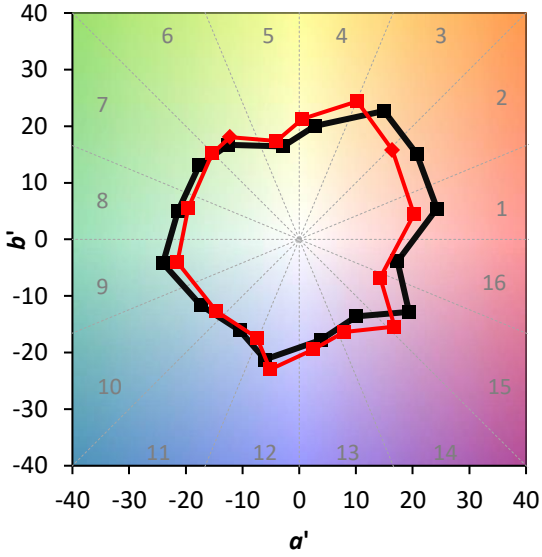
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R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

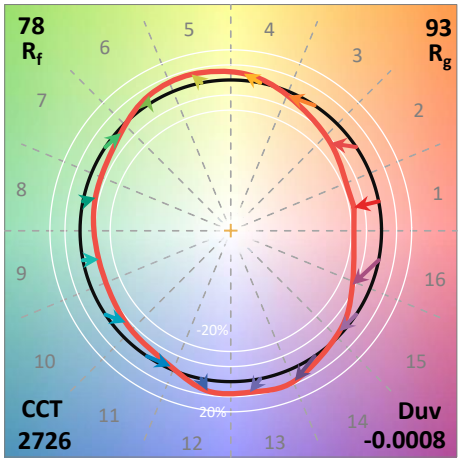
Spectral Power Distribution Comparison

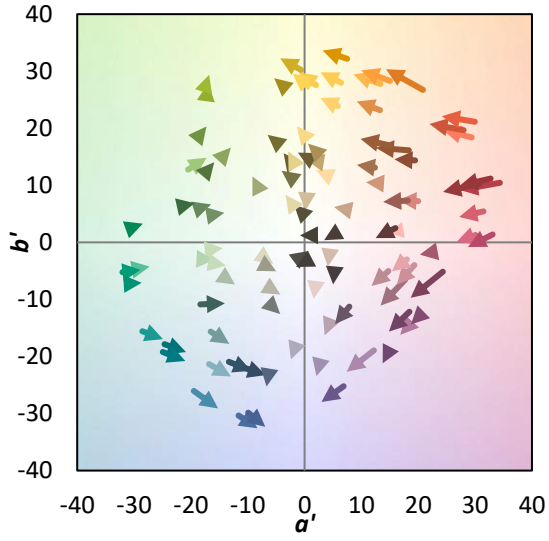


Color Vector Graphics







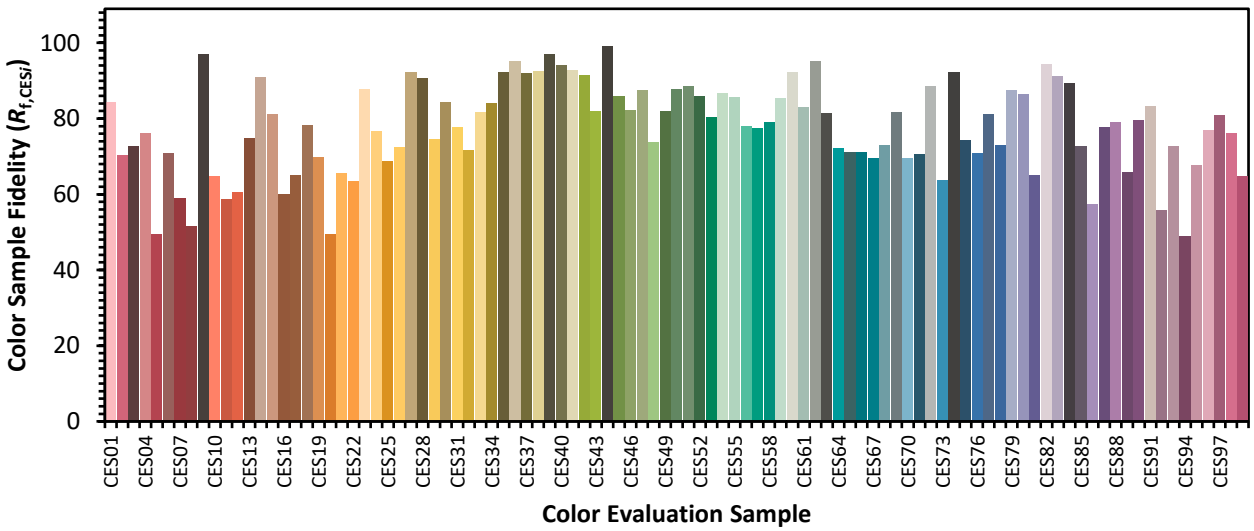


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

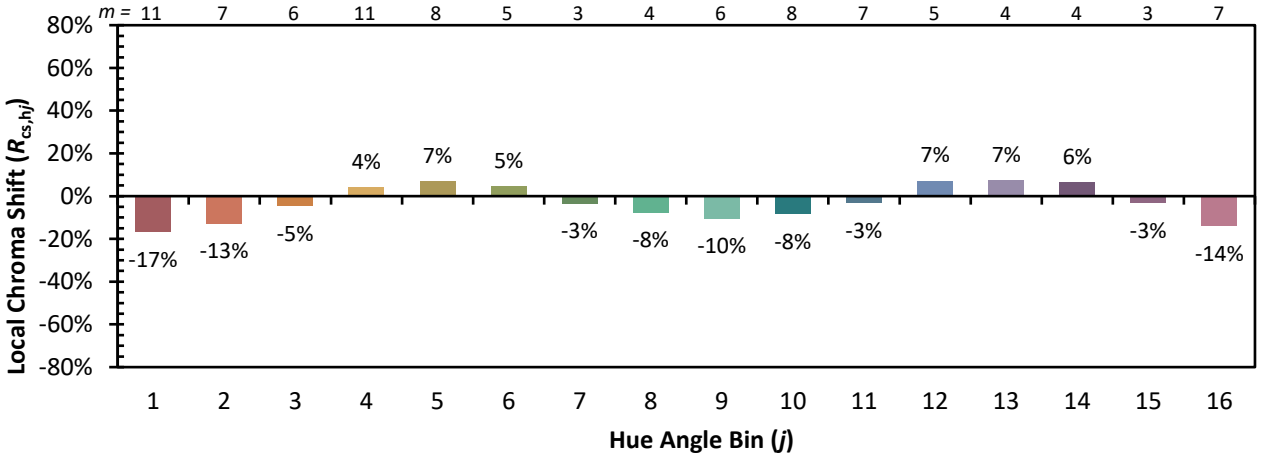
CES01 = 86	CES26 = 72	CES51 = 88	CES76 = 71
CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57 = 77	CES82 = 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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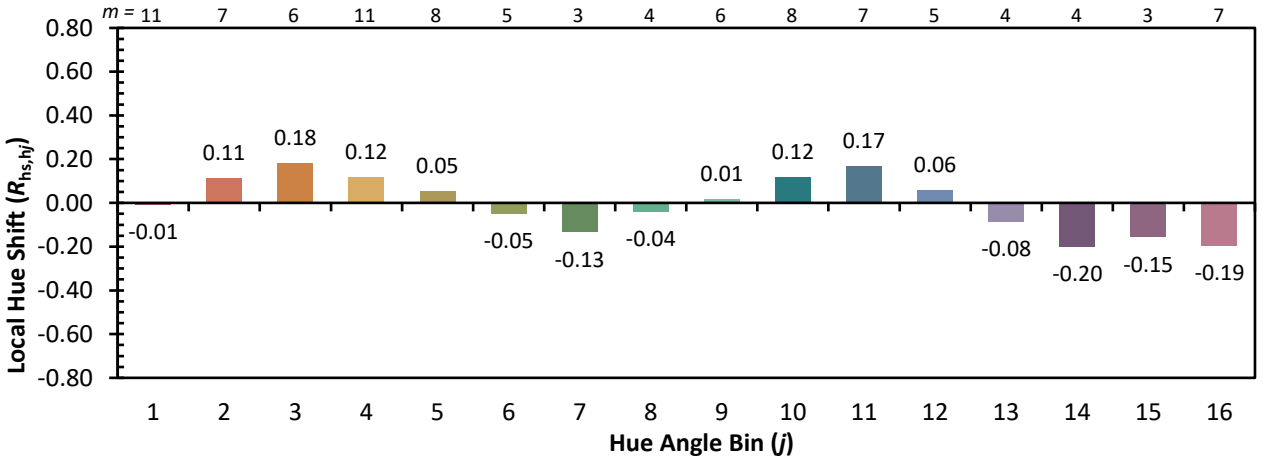


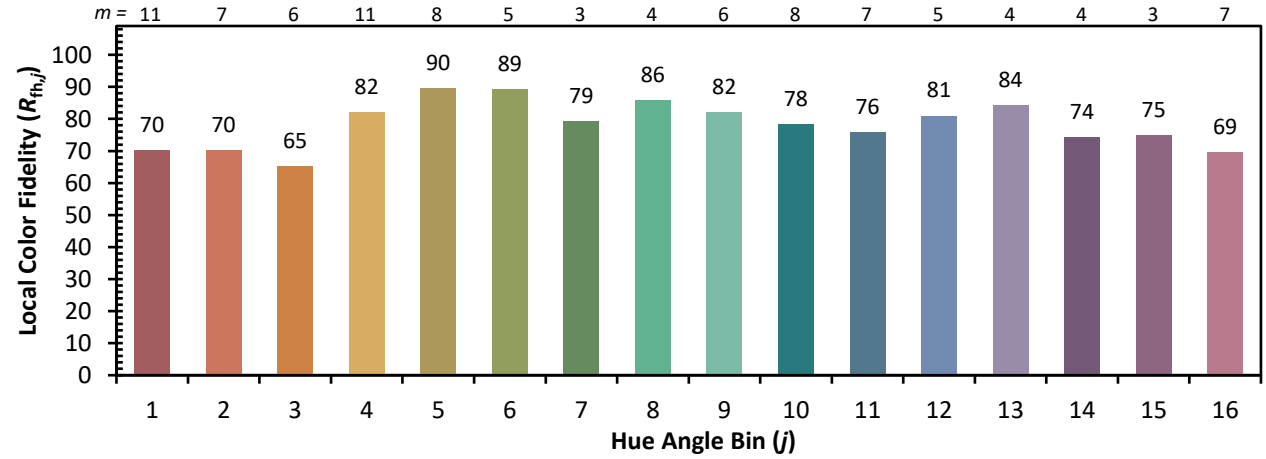
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Color Rendition by Hue-Angle Bin



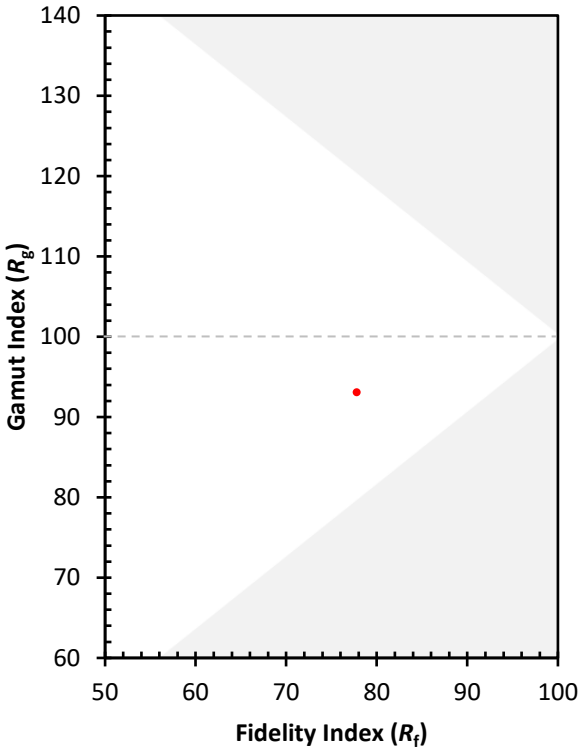


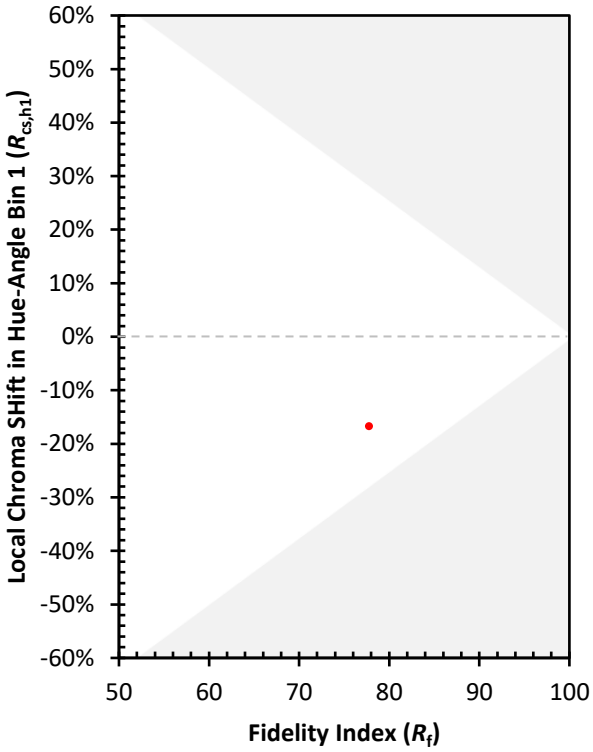


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Measure Comparisons





(END OF REPORT)